284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# DATA PACKAGE

## METALS

**PROJECT NAME : RAYMARK SUPERFUND SITE**

**NOBIS GROUP**

**585 Middlesex Street**

**Lowell, MA - 01851**

**Phone No: 978-683-0891**

**ORDER ID : Q1984**

**ATTENTION : Adam Roy**

**Laboratory Certification ID # 20012**

Table Of Contents for Q1984


1) METALS DATA 2

2) Signature Page 4

3) Case Narrative 5

4) Qualifier Page 7

5) Conformance/Non Conformance 8

6) QA Checklist 10

7) Chronicle 11

8) Hit Summary 13

9) Sample Data 16

- 9.1) OU4-PCS-TC-33-050725 17
- 9.2) OU4-PCS-TC-34-050725 18
- 9.3) OU4-PCS-TC-35-050725 19
- 9.4) OU4-TS-24-050725 20
- 9.5) OU4-TS-25-050725 21
- 9.6) OU4-TS-26-050725 22
- 9.7) OU4-TS-27-050725 23
- 9.8) OU4-TS-28-050725 24

10) METALS CALIBRATION DATA 25

- 10.1) Initial and Continuing Calibration Verification 26
- 10.2) CRDL Standard For AA & ICP 35
- 10.3) Initial and Continuing Calibration Blank Summary 36
- 10.4) Preparation Blank Summary 43
- 10.5) Interference Check Sample 45

11) METALS QC DATA 47

- 11.1) Matrix Spike Summary 48
- 11.2) Post Digest Spike Summary 50
- 11.3) Duplicate Sample Summary 51
- 11.4) Laboratory Control Sample Summary 53
- 11.5) Internal Standard Relative Intensity Summary8A 55
- 11.6) Internal Standard Relative Intensity Summary8B 61
- 11.7) ICP Serial Dilutions 67

12) METALS PREPARATION & INSTRUMENT DATA 68

13) PREPARATION & ANALYTICAL SUMMARY 69

- 13.1) Sample Preparation Summary 70
- 13.2) Analysis Run Log 72

14) METALS RAW DATA 75
14.1) METALS RAW DATA - ANALYTICAL 76
14.2) LB135763 76
14.3) LB135886 78
14.4) LB135893 430
14.5) METALS RAW DATA - PREP 620
14.5.1) PB167978 620
14.5.2) PB167960 623
15) Analytical Runlogs 626
16) Extraction Logs 636
16.1) PB167933.pdf 636
17) Standard Prep Logs 640
18) Shipping Document 783
18.1) Chain Of Custody 784
18.2) Lab Certificate 785
18.3) Internal COC 786

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# Cover Page

**Order ID :** Q1984

**Project ID :** Raymark Superfund Site

**Client :** Nobis Group

| Lab Sample Number | Client Sample Number |
|---|---|
| Q1984-01 | OU4-PCS-TC-33-050725 |
| Q1984-02 | OU4-PCS-TC-33-050725 |
| Q1984-03 | OU4-PCS-TC-34-050725 |
| Q1984-04 | OU4-PCS-TC-34-050725 |
| Q1984-05 | OU4-PCS-TC-35-050725 |
| Q1984-06 | OU4-PCS-TC-35-050725 |
| Q1984-07 | OU4-TS-24-050725 |
| Q1984-08 | OU4-TS-24-050725 |
| Q1984-09 | OU4-TS-25-050725 |
| Q1984-10 | OU4-TS-25-050725 |
| Q1984-11 | OU4-TS-26-050725 |
| Q1984-12 | OU4-TS-26-050725 |
| Q1984-13 | OU4-TS-27-050725 |
| Q1984-14 | OU4-TS-27-050725 |
| Q1984-15 | OU4-TS-28-050725 |
| Q1984-16 | OU4-TS-28-050725 |
| Q1984-19 | OU4-TB01-050725 |

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: 5/23/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**Nobis Group**
**Project Name: Raymark Superfund Site**
**Project # N/A**
**Order ID # Q1984**
**Test Name: SPLP Mercury,SPLP MetalGroup3**

**A. Number of Samples and Date of Receipt:**
17 Solid samples were received on 05/08/2025.

**B. Parameters:**
According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3, VOCMS Group1 and VOCMS Group3. This data package contains results for SPLP Mercury, SPLP MetalGroup3.

**C. Analytical Techniques:**
The analysis of SPLP MetalGroup3 was based on method 6020B, digestion based on method 3010 (Water). The analysis of SPLP Mercury was based on method 7470A and digestion was based on method 7470 (Water).

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (OU4-TS-28-050725MS) analysis met criteria for all samples except for Arsenic and Silver due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (OU4-TS-28-050725MSD) analysis met criteria for all samples except for Mercury due to sample matrix interference. The Matrix Spike Duplicate(OU4-TS-28-050725MSD) analysis met criteria for all samples except for Arsenic and Silver due to Chemical Interference during Digestion Process.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

**E. Additional Comments:**
The Post Digest Spike (OU4-TS-28-050725A) analysis met criteria for all samples except for Arsenic and Silver due to unknown chemical interferences of matrix with the addition of spike amount after digestion and before analysis, matrix has suppression effect during addition of spike.
Q1984 SPLP all samples diluted 5X Straight due to SPLP fluid which cannot be injected as is without dilution to avoid damage to detector of instrument.

Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.

---

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

Alliance TECHNICAL GROUP
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Tel. 908-789-8900 Fax: 908-789-8922

# 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<br>**"P"** for ICP instrument<br>**"PM"** for ICP when Microwave Digestion is used<br>**"CV"** for Manual Cold Vapor AA<br>**"AV"** for automated Cold Vapor AA<br>**"CA"** for MIDI-Distillation Spectrophotometric<br>**"AS"** for Semi –Automated Spectrophotometric<br>**"C"** for Manual Spectrophotometric<br>**"T"** for Titrimetric<br>**"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 |

## METALS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q1984 MATRIX: Water

METHOD: 6020B,7470A

| | | NA | NO | YES |
|---|---|---|---|---|
| 1. | Calibration Summary met criteria. | | | ✓ |
| 2. | ICP Interference Check Sample Results Summary Submitted. | | | ✓ |
| 3. | Serial Dilution Summary (if applicable) Submitted. | | | ✓ |
| 4. | Laboratory Control Sample Summary (if applicable) Submitted. | | | ✓ |
| 5. | Blank Contamination - If yes, list compounds and concentrations in each blank: | | ✓ | |
| 6. | Matrix Spike/Matrix Spike Duplicate Recoveries Met Criteria | | ✓ | |
| | If not met, list those compounds and their recoveries which fall outside the acceptable range. | | | |
| | The Matrix Spike (OU4-TS-28-050725MS) analysis met criteria for all samples except for Arsenic and Silver due to Chemical Interference during Digestion Process. The Matrix Spike Duplicate (OU4-TS-28-050725MSD) analysis met criteria for all samples except for Mercury due to sample matrix interference. The Matrix Spike Duplicate(OU4-TS-28-050725MSD) analysis met criteria for all samples except for Arsenic and Silver due to Chemical Interference during Digestion Process. | | | |
| 7. | Sample Duplicate Analysis Met QC Criteria | | | ✓ |
| | If not met, list those compounds and their recoveries which fall outside the acceptable range. | | | |
| 8. | Digestion Holding Time Met | | | ✓ |
| | If not met, list number of days exceeded for each sample: | | | |
| 9. | Analysis Holding Time Met | | | ✓ |
| | If not met, list those compounds and their recoveries which fall outside the acceptable range. | | | |

ADDITIONAL COMMENTS:

The Post Digest Spike (OU4-TS-28-050725A) analysis met criteria for all samples except for Arsenic and Silver due to unknown chemical interferences of matrix with the addition of spike amount after digestion and before analysis, matrix has suppression effect during addition of spike.

Q1984 - SPLP all samples diluted 5X Straight due to SPLP fluid which cannot be injected as is without dilution to avoid damage to detector of instrument.

**METALS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)**

NA NO YES

Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.

_____ _____

QA REVIEW Date

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## APPENDIX A

## QA REVIEW GENERAL DOCUMENTATION

**Project #:** Q1984

| | 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:** SOHIL JODHANI **Date:** 05/23/2025

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q1984 | **OrderDate:** | 5/8/2025 10:48:00 AM |
| **Client:** | Nobis Group | **Project:** | Raymark Superfund Site |
| **Contact:** | Adam Roy | **Location:** | L41,VOA Ref. #2 Soil,VOA Ref. #3 Water |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q1984-01** | **OU4-PCS-TC-33-050725** | **SOIL** | | | **05/07/25** | | | **05/08/25** |
| | | | Mercury | 7471B | | 05/09/25 | 05/12/25 | |
| | | | Metals ICP-TAL | 6010D | | 05/09/25 | 05/20/25 | |
| **Q1984-02** | **OU4-PCS-TC-33-050725** | **Water** | | | **05/07/25** | | | **05/08/25** |
| | | | SPLP Mercury | 7470A | | 05/13/25 | 05/14/25 | |
| | | | SPLP MetalGroup3 | 6020B | | 05/12/25 | 05/21/25 | |
| **Q1984-03** | **OU4-PCS-TC-34-050725** | **SOIL** | | | **05/07/25** | | | **05/08/25** |
| | | | Mercury | 7471B | | 05/09/25 | 05/12/25 | |
| | | | Metals ICP-TAL | 6010D | | 05/09/25 | 05/20/25 | |
| **Q1984-04** | **OU4-PCS-TC-34-050725** | **Water** | | | **05/07/25** | | | **05/08/25** |
| | | | SPLP Mercury | 7470A | | 05/13/25 | 05/14/25 | |
| | | | SPLP MetalGroup3 | 6020B | | 05/12/25 | 05/21/25 | |
| **Q1984-05** | **OU4-PCS-TC-35-050725** | **SOIL** | | | **05/07/25** | | | **05/08/25** |
| | | | Mercury | 7471B | | 05/09/25 | 05/12/25 | |
| | | | Metals ICP-TAL | 6010D | | 05/09/25 | 05/21/25 | |
| **Q1984-06** | **OU4-PCS-TC-35-050725** | **Water** | | | **05/07/25** | | | **05/08/25** |
| | | | SPLP Mercury | 7470A | | 05/13/25 | 05/14/25 | |
| | | | SPLP MetalGroup3 | 6020B | | 05/12/25 | 05/21/25 | |
| **Q1984-07** | **OU4-TS-24-050725** | **SOIL** | | | **05/07/25** | | | **05/08/25** |
| | | | Mercury | 7471B | | 05/09/25 | 05/12/25 | |
| | | | Metals ICP-TAL | 6010D | | 05/09/25 | 05/21/25 | |

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# LAB CHRONICLE

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Q1984-08** | **OU4-TS-24-050725** | **Water** | | | **05/07/25** | | | **05/08/25** |
| | | | SPLP Mercury | 7470A | | 05/13/25 | 05/14/25 | |
| | | | SPLP MetalGroup3 | 6020B | | 05/12/25 | 05/21/25 | |
| **Q1984-09** | **OU4-TS-25-050725** | **SOIL** | | | **05/07/25** | | | **05/08/25** |
| | | | Mercury | 7471B | | 05/09/25 | 05/12/25 | |
| | | | Metals ICP-TAL | 6010D | | 05/09/25 | 05/21/25 | |
| **Q1984-10** | **OU4-TS-25-050725** | **Water** | | | **05/07/25** | | | **05/08/25** |
| | | | SPLP Mercury | 7470A | | 05/13/25 | 05/14/25 | |
| | | | SPLP MetalGroup3 | 6020B | | 05/12/25 | 05/21/25 | |
| **Q1984-11** | **OU4-TS-26-050725** | **SOIL** | | | **05/07/25** | | | **05/08/25** |
| | | | Mercury | 7471B | | 05/09/25 | 05/12/25 | |
| | | | Metals ICP-TAL | 6010D | | 05/09/25 | 05/21/25 | |
| **Q1984-12** | **OU4-TS-26-050725** | **Water** | | | **05/07/25** | | | **05/08/25** |
| | | | SPLP Mercury | 7470A | | 05/13/25 | 05/14/25 | |
| | | | SPLP MetalGroup3 | 6020B | | 05/12/25 | 05/21/25 | |
| **Q1984-13** | **OU4-TS-27-050725** | **SOIL** | | | **05/07/25** | | | **05/08/25** |
| | | | Mercury | 7471B | | 05/09/25 | 05/12/25 | |
| | | | Metals ICP-TAL | 6010D | | 05/09/25 | 05/21/25 | |
| **Q1984-14** | **OU4-TS-27-050725** | **Water** | | | **05/07/25** | | | **05/08/25** |
| | | | SPLP Mercury | 7470A | | 05/13/25 | 05/14/25 | |
| | | | SPLP MetalGroup3 | 6020B | | 05/12/25 | 05/21/25 | |
| **Q1984-15** | **OU4-TS-28-050725** | **SOIL** | | | **05/07/25** | | | **05/08/25** |
| | | | Mercury | 7471B | | 05/09/25 | 05/12/25 | |
| | | | Metals ICP-TAL | 6010D | | 05/09/25 | 05/21/25 | |
| **Q1984-16** | **OU4-TS-28-050725** | **Water** | | | **05/07/25** | | | **05/08/25** |
| | | | SPLP Mercury | 7470A | | 05/13/25 | 05/14/25 | |
| | | | SPLP MetalGroup3 | 6020B | | 05/12/25 | 05/22/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1984 **Order ID:** Q1984

**Client:** Nobis Group **Project ID:** Raymark Superfund Site

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID : OU4-PCS-TC-33-050725** | | | | | | | | | |
| Q1984-02 | OU4-PCS-TC-33-050725 | Water | Arsenic | 2.55 | JD | 0.45 | 1.25 | 5.00 | ug/L |
| Q1984-02 | OU4-PCS-TC-33-050725 | Water | Barium | 93.4 | D | 1.05 | 6.25 | 50.0 | ug/L |
| Q1984-02 | OU4-PCS-TC-33-050725 | Water | Chromium | 2.95 | JD | 1.05 | 3.75 | 10.0 | ug/L |
| Q1984-02 | OU4-PCS-TC-33-050725 | Water | Copper | 15.6 | D | 1.50 | 7.50 | 10.0 | ug/L |
| Q1984-02 | OU4-PCS-TC-33-050725 | Water | Nickel | 81.0 | D | 1.35 | 3.75 | 5.00 | ug/L |
| Q1984-02 | OU4-PCS-TC-33-050725 | Water | Mercury | 0.27 | | 0.076 | 0.16 | 0.20 | ug/L |
| Q1984-02 | OU4-PCS-TC-33-050725 | Water | Vanadium | 270 | D | 0.39 | 1.25 | 25.0 | ug/L |
| Q1984-02 | OU4-PCS-TC-33-050725 | Water | Zinc | 546 | D | 6.25 | 7.50 | 25.0 | ug/L |
| **Client ID : OU4-PCS-TC-34-050725** | | | | | | | | | |
| Q1984-04 | OU4-PCS-TC-34-050725 | Water | Arsenic | 1.90 | JD | 0.45 | 1.25 | 5.00 | ug/L |
| Q1984-04 | OU4-PCS-TC-34-050725 | Water | Barium | 100 | D | 1.05 | 6.25 | 50.0 | ug/L |
| Q1984-04 | OU4-PCS-TC-34-050725 | Water | Chromium | 2.40 | JD | 1.05 | 3.75 | 10.0 | ug/L |
| Q1984-04 | OU4-PCS-TC-34-050725 | Water | Copper | 16.4 | D | 1.50 | 7.50 | 10.0 | ug/L |
| Q1984-04 | OU4-PCS-TC-34-050725 | Water | Nickel | 75.9 | D | 1.35 | 3.75 | 5.00 | ug/L |
| Q1984-04 | OU4-PCS-TC-34-050725 | Water | Vanadium | 184 | D | 0.39 | 1.25 | 25.0 | ug/L |
| Q1984-04 | OU4-PCS-TC-34-050725 | Water | Zinc | 543 | D | 6.25 | 7.50 | 25.0 | ug/L |
| **Client ID : OU4-PCS-TC-35-050725** | | | | | | | | | |
| Q1984-06 | OU4-PCS-TC-35-050725 | Water | Arsenic | 1.80 | JD | 0.45 | 1.25 | 5.00 | ug/L |
| Q1984-06 | OU4-PCS-TC-35-050725 | Water | Barium | 99.6 | D | 1.05 | 6.25 | 50.0 | ug/L |
| Q1984-06 | OU4-PCS-TC-35-050725 | Water | Chromium | 2.30 | JD | 1.05 | 3.75 | 10.0 | ug/L |
| Q1984-06 | OU4-PCS-TC-35-050725 | Water | Copper | 17.3 | D | 1.50 | 7.50 | 10.0 | ug/L |
| Q1984-06 | OU4-PCS-TC-35-050725 | Water | Nickel | 77.6 | D | 1.35 | 3.75 | 5.00 | ug/L |
| Q1984-06 | OU4-PCS-TC-35-050725 | Water | Vanadium | 136 | D | 0.39 | 1.25 | 25.0 | ug/L |
| Q1984-06 | OU4-PCS-TC-35-050725 | Water | Zinc | 532 | D | 6.25 | 7.50 | 25.0 | ug/L |
| **Client ID : OU4-TS-24-050725** | | | | | | | | | |
| Q1984-08 | OU4-TS-24-050725 | Water | Arsenic | 25.3 | D | 0.45 | 1.25 | 5.00 | ug/L |
| Q1984-08 | OU4-TS-24-050725 | Water | Barium | 120 | D | 1.05 | 6.25 | 50.0 | ug/L |
| Q1984-08 | OU4-TS-24-050725 | Water | Beryllium | 12.4 | D | 1.60 | 3.75 | 5.00 | ug/L |
| Q1984-08 | OU4-TS-24-050725 | Water | Cadmium | 9.35 | D | 1.70 | 2.50 | 5.00 | ug/L |
| Q1984-08 | OU4-TS-24-050725 | Water | Chromium | 37.3 | D | 1.05 | 3.75 | 10.0 | ug/L |
| Q1984-08 | OU4-TS-24-050725 | Water | Copper | 171 | D | 1.50 | 7.50 | 10.0 | ug/L |
| Q1984-08 | OU4-TS-24-050725 | Water | Lead | 31.3 | D | 1.05 | 3.75 | 5.00 | ug/L |
| Q1984-08 | OU4-TS-24-050725 | Water | Nickel | 203 | D | 1.35 | 3.75 | 5.00 | ug/L |
| Q1984-08 | OU4-TS-24-050725 | Water | Thallium | 0.80 | JD | 0.30 | 2.50 | 5.00 | ug/L |
| Q1984-08 | OU4-TS-24-050725 | Water | Vanadium | 59.8 | D | 0.39 | 1.25 | 25.0 | ug/L |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1984 **Order ID:** Q1984

**Client:** Nobis Group **Project ID:** Raymark Superfund Site

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| Q1984-08 | OU4-TS-24-050725 | Water | Zinc | 2040 | D | 6.25 | 7.50 | 25.0 | ug/L |
| **Client ID :** | **OU4-TS-25-050725** | | | | | | | | |
| Q1984-10 | OU4-TS-25-050725 | Water | Arsenic | 26.3 | D | 0.45 | 1.25 | 5.00 | ug/L |
| Q1984-10 | OU4-TS-25-050725 | Water | Barium | 118 | D | 1.05 | 6.25 | 50.0 | ug/L |
| Q1984-10 | OU4-TS-25-050725 | Water | Beryllium | 8.85 | D | 1.60 | 3.75 | 5.00 | ug/L |
| Q1984-10 | OU4-TS-25-050725 | Water | Cadmium | 7.05 | D | 1.70 | 2.50 | 5.00 | ug/L |
| Q1984-10 | OU4-TS-25-050725 | Water | Chromium | 21.4 | D | 1.05 | 3.75 | 10.0 | ug/L |
| Q1984-10 | OU4-TS-25-050725 | Water | Copper | 78.1 | D | 1.50 | 7.50 | 10.0 | ug/L |
| Q1984-10 | OU4-TS-25-050725 | Water | Lead | 21.3 | D | 1.05 | 3.75 | 5.00 | ug/L |
| Q1984-10 | OU4-TS-25-050725 | Water | Nickel | 136 | D | 1.35 | 3.75 | 5.00 | ug/L |
| Q1984-10 | OU4-TS-25-050725 | Water | Thallium | 0.60 | JD | 0.30 | 2.50 | 5.00 | ug/L |
| Q1984-10 | OU4-TS-25-050725 | Water | Vanadium | 43.5 | D | 0.39 | 1.25 | 25.0 | ug/L |
| Q1984-10 | OU4-TS-25-050725 | Water | Zinc | 1850 | D | 6.25 | 7.50 | 25.0 | ug/L |
| **Client ID :** | **OU4-TS-26-050725** | | | | | | | | |
| Q1984-12 | OU4-TS-26-050725 | Water | Arsenic | 17.2 | D | 0.45 | 1.25 | 5.00 | ug/L |
| Q1984-12 | OU4-TS-26-050725 | Water | Barium | 114 | D | 1.05 | 6.25 | 50.0 | ug/L |
| Q1984-12 | OU4-TS-26-050725 | Water | Beryllium | 9.80 | D | 1.60 | 3.75 | 5.00 | ug/L |
| Q1984-12 | OU4-TS-26-050725 | Water | Cadmium | 8.00 | D | 1.70 | 2.50 | 5.00 | ug/L |
| Q1984-12 | OU4-TS-26-050725 | Water | Chromium | 15.8 | D | 1.05 | 3.75 | 10.0 | ug/L |
| Q1984-12 | OU4-TS-26-050725 | Water | Copper | 79.5 | D | 1.50 | 7.50 | 10.0 | ug/L |
| Q1984-12 | OU4-TS-26-050725 | Water | Lead | 17.7 | D | 1.05 | 3.75 | 5.00 | ug/L |
| Q1984-12 | OU4-TS-26-050725 | Water | Nickel | 149 | D | 1.35 | 3.75 | 5.00 | ug/L |
| Q1984-12 | OU4-TS-26-050725 | Water | Thallium | 0.70 | JD | 0.30 | 2.50 | 5.00 | ug/L |
| Q1984-12 | OU4-TS-26-050725 | Water | Vanadium | 24.6 | JD | 0.39 | 1.25 | 25.0 | ug/L |
| Q1984-12 | OU4-TS-26-050725 | Water | Zinc | 2430 | D | 6.25 | 7.50 | 25.0 | ug/L |
| **Client ID :** | **OU4-TS-27-050725** | | | | | | | | |
| Q1984-14 | OU4-TS-27-050725 | Water | Arsenic | 21.2 | D | 0.45 | 1.25 | 5.00 | ug/L |
| Q1984-14 | OU4-TS-27-050725 | Water | Barium | 124 | D | 1.05 | 6.25 | 50.0 | ug/L |
| Q1984-14 | OU4-TS-27-050725 | Water | Beryllium | 8.70 | D | 1.60 | 3.75 | 5.00 | ug/L |
| Q1984-14 | OU4-TS-27-050725 | Water | Cadmium | 8.20 | D | 1.70 | 2.50 | 5.00 | ug/L |
| Q1984-14 | OU4-TS-27-050725 | Water | Chromium | 14.8 | D | 1.05 | 3.75 | 10.0 | ug/L |
| Q1984-14 | OU4-TS-27-050725 | Water | Copper | 63.8 | D | 1.50 | 7.50 | 10.0 | ug/L |
| Q1984-14 | OU4-TS-27-050725 | Water | Lead | 18.2 | D | 1.05 | 3.75 | 5.00 | ug/L |
| Q1984-14 | OU4-TS-27-050725 | Water | Nickel | 147 | D | 1.35 | 3.75 | 5.00 | ug/L |
| Q1984-14 | OU4-TS-27-050725 | Water | Thallium | 0.75 | JD | 0.30 | 2.50 | 5.00 | ug/L |
| Q1984-14 | OU4-TS-27-050725 | Water | Vanadium | 27.1 | D | 0.39 | 1.25 | 25.0 | ug/L |
| Q1984-14 | OU4-TS-27-050725 | Water | Zinc | 1990 | D | 6.25 | 7.50 | 25.0 | ug/L |
| **Client ID :** | **OU4-TS-28-050725** | | | | | | | | |

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1984 **Order ID:** Q1984

**Client:** Nobis Group **Project ID:** Raymark Superfund Site

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| Q1984-16 | OU4-TS-28-050725 | Water | Arsenic | 24.5 | D | 0.45 | 1.25 | 5.00 | ug/L |
| Q1984-16 | OU4-TS-28-050725 | Water | Barium | 114 | D | 1.05 | 6.25 | 50.0 | ug/L |
| Q1984-16 | OU4-TS-28-050725 | Water | Beryllium | 13.6 | D | 1.60 | 3.75 | 5.00 | ug/L |
| Q1984-16 | OU4-TS-28-050725 | Water | Cadmium | 9.85 | D | 1.70 | 2.50 | 5.00 | ug/L |
| Q1984-16 | OU4-TS-28-050725 | Water | Chromium | 41.9 | D | 1.05 | 3.75 | 10.0 | ug/L |
| Q1984-16 | OU4-TS-28-050725 | Water | Copper | 298 | D | 1.50 | 7.50 | 10.0 | ug/L |
| Q1984-16 | OU4-TS-28-050725 | Water | Lead | 35.6 | D | 1.05 | 3.75 | 5.00 | ug/L |
| Q1984-16 | OU4-TS-28-050725 | Water | Nickel | 234 | D | 1.35 | 3.75 | 5.00 | ug/L |
| Q1984-16 | OU4-TS-28-050725 | Water | Thallium | 0.85 | JD | 0.30 | 2.50 | 5.00 | ug/L |
| Q1984-16 | OU4-TS-28-050725 | Water | Vanadium | 69.1 | D | 0.39 | 1.25 | 25.0 | ug/L |
| Q1984-16 | OU4-TS-28-050725 | Water | Zinc | 1810 | D | 6.25 | 7.50 | 25.0 | ug/L |

# SAMPLE DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 05/07/25 |
| Project: | Raymark Superfund Site | Date Received: | 05/08/25 |
| Client Sample ID: | OU4-PCS-TC-33-050725 | SDG No.: | Q1984 |
| Lab Sample ID: | Q1984-02 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 1.25 | UD | 5 | 0.55 | 1.25 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:40 | 6020B | 3010A |
| 7440-38-2 | Arsenic | 2.55 | JDN | 5 | 0.45 | 1.25 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:40 | 6020B | 3010A |
| 7440-39-3 | Barium | 93.4 | D | 5 | 1.05 | 6.25 | 50.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:40 | 6020B | 3010A |
| 7440-41-7 | Beryllium | 3.75 | UD | 5 | 1.60 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:40 | 6020B | 3010A |
| 7440-43-9 | Cadmium | 2.50 | UD | 5 | 1.70 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:40 | 6020B | 3010A |
| 7440-47-3 | Chromium | 2.95 | JD | 5 | 1.05 | 3.75 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:40 | 6020B | 3010A |
| 7440-50-8 | Copper | 15.6 | D | 5 | 1.50 | 7.50 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:40 | 6020B | 3010A |
| 7439-92-1 | Lead | 3.75 | UD | 5 | 1.05 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:40 | 6020B | 3010A |
| 7439-97-6 | Mercury | 0.27 | N | 1 | 0.076 | 0.16 | 0.20 | ug/L | 05/13/25 14:20 | 05/14/25 12:08 | 7470A | |
| 7440-02-0 | Nickel | 81.0 | D | 5 | 1.35 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:40 | 6020B | 3010A |
| 7782-49-2 | Selenium | 22.5 | UD | 5 | 14.5 | 22.5 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:40 | 6020B | 3010A |
| 7440-22-4 | Silver | 2.50 | UDN | 5 | 0.30 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:40 | 6020B | 3010A |
| 7440-28-0 | Thallium | 2.50 | UD | 5 | 0.30 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:40 | 6020B | 3010A |
| 7440-62-2 | Vanadium | 270 | D | 5 | 0.39 | 1.25 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:40 | 6020B | 3010A |
| 7440-66-6 | Zinc | 546 | D | 5 | 6.25 | 7.50 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:40 | 6020B | 3010A |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | SPLP Mercury | | | | |

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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 05/07/25 |
| Project: | Raymark Superfund Site | Date Received: | 05/08/25 |
| Client Sample ID: | OU4-PCS-TC-34-050725 | SDG No.: | Q1984 |
| Lab Sample ID: | Q1984-04 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 1.25 | UD | 5 | 0.55 | 1.25 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:43 | 6020B | 3010A |
| 7440-38-2 | Arsenic | 1.90 | JDN | 5 | 0.45 | 1.25 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:43 | 6020B | 3010A |
| 7440-39-3 | Barium | 100 | D | 5 | 1.05 | 6.25 | 50.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:43 | 6020B | 3010A |
| 7440-41-7 | Beryllium | 3.75 | UD | 5 | 1.60 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:43 | 6020B | 3010A |
| 7440-43-9 | Cadmium | 2.50 | UD | 5 | 1.70 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:43 | 6020B | 3010A |
| 7440-47-3 | Chromium | 2.40 | JD | 5 | 1.05 | 3.75 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:43 | 6020B | 3010A |
| 7440-50-8 | Copper | 16.4 | D | 5 | 1.50 | 7.50 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:43 | 6020B | 3010A |
| 7439-92-1 | Lead | 3.75 | UD | 5 | 1.05 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:43 | 6020B | 3010A |
| 7439-97-6 | Mercury | 0.16 | UN | 1 | 0.076 | 0.16 | 0.20 | ug/L | 05/13/25 14:20 | 05/14/25 12:10 | 7470A | |
| 7440-02-0 | Nickel | 75.9 | D | 5 | 1.35 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:43 | 6020B | 3010A |
| 7782-49-2 | Selenium | 22.5 | UD | 5 | 14.5 | 22.5 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:43 | 6020B | 3010A |
| 7440-22-4 | Silver | 2.50 | UDN | 5 | 0.30 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:43 | 6020B | 3010A |
| 7440-28-0 | Thallium | 2.50 | UD | 5 | 0.30 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:43 | 6020B | 3010A |
| 7440-62-2 | Vanadium | 184 | D | 5 | 0.39 | 1.25 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:43 | 6020B | 3010A |
| 7440-66-6 | Zinc | 543 | D | 5 | 6.25 | 7.50 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:43 | 6020B | 3010A |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | SPLP Mercury | | | | |

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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 05/07/25 |
| Project: | Raymark Superfund Site | Date Received: | 05/08/25 |
| Client Sample ID: | OU4-PCS-TC-35-050725 | SDG No.: | Q1984 |
| Lab Sample ID: | Q1984-06 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 1.25 | UD | 5 | 0.55 | 1.25 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:46 | 6020B | 3010A |
| 7440-38-2 | Arsenic | 1.80 | JDN | 5 | 0.45 | 1.25 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:46 | 6020B | 3010A |
| 7440-39-3 | Barium | 99.6 | D | 5 | 1.05 | 6.25 | 50.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:46 | 6020B | 3010A |
| 7440-41-7 | Beryllium | 3.75 | UD | 5 | 1.60 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:46 | 6020B | 3010A |
| 7440-43-9 | Cadmium | 2.50 | UD | 5 | 1.70 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:46 | 6020B | 3010A |
| 7440-47-3 | Chromium | 2.30 | JD | 5 | 1.05 | 3.75 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:46 | 6020B | 3010A |
| 7440-50-8 | Copper | 17.3 | D | 5 | 1.50 | 7.50 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:46 | 6020B | 3010A |
| 7439-92-1 | Lead | 3.75 | UD | 5 | 1.05 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:46 | 6020B | 3010A |
| 7439-97-6 | Mercury | 0.16 | UN | 1 | 0.076 | 0.16 | 0.20 | ug/L | 05/13/25 14:20 | 05/14/25 12:12 | 7470A | |
| 7440-02-0 | Nickel | 77.6 | D | 5 | 1.35 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:46 | 6020B | 3010A |
| 7782-49-2 | Selenium | 22.5 | UD | 5 | 14.5 | 22.5 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:46 | 6020B | 3010A |
| 7440-22-4 | Silver | 2.50 | UDN | 5 | 0.30 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:46 | 6020B | 3010A |
| 7440-28-0 | Thallium | 2.50 | UD | 5 | 0.30 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:46 | 6020B | 3010A |
| 7440-62-2 | Vanadium | 136 | D | 5 | 0.39 | 1.25 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:46 | 6020B | 3010A |
| 7440-66-6 | Zinc | 532 | D | 5 | 6.25 | 7.50 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:46 | 6020B | 3010A |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | SPLP Mercury | | | | |

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

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 05/07/25 |
| Project: | Raymark Superfund Site | Date Received: | 05/08/25 |
| Client Sample ID: | OU4-TS-24-050725 | SDG No.: | Q1984 |
| Lab Sample ID: | Q1984-08 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 1.25 | UD | 5 | 0.55 | 1.25 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:50 | 6020B | 3010A |
| 7440-38-2 | Arsenic | 25.3 | DN | 5 | 0.45 | 1.25 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:50 | 6020B | 3010A |
| 7440-39-3 | Barium | 120 | D | 5 | 1.05 | 6.25 | 50.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:50 | 6020B | 3010A |
| 7440-41-7 | Beryllium | 12.4 | D | 5 | 1.60 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:50 | 6020B | 3010A |
| 7440-43-9 | Cadmium | 9.35 | D | 5 | 1.70 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:50 | 6020B | 3010A |
| 7440-47-3 | Chromium | 37.3 | D | 5 | 1.05 | 3.75 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:50 | 6020B | 3010A |
| 7440-50-8 | Copper | 171 | D | 5 | 1.50 | 7.50 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:50 | 6020B | 3010A |
| 7439-92-1 | Lead | 31.3 | D | 5 | 1.05 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:50 | 6020B | 3010A |
| 7439-97-6 | Mercury | 0.16 | UN | 1 | 0.076 | 0.16 | 0.20 | ug/L | 05/13/25 14:20 | 05/14/25 12:15 | 7470A | |
| 7440-02-0 | Nickel | 203 | D | 5 | 1.35 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:50 | 6020B | 3010A |
| 7782-49-2 | Selenium | 22.5 | UD | 5 | 14.5 | 22.5 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:50 | 6020B | 3010A |
| 7440-22-4 | Silver | 2.50 | UDN | 5 | 0.30 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:50 | 6020B | 3010A |
| 7440-28-0 | Thallium | 0.80 | JD | 5 | 0.30 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:50 | 6020B | 3010A |
| 7440-62-2 | Vanadium | 59.8 | D | 5 | 0.39 | 1.25 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:50 | 6020B | 3010A |
| 7440-66-6 | Zinc | 2040 | D | 5 | 6.25 | 7.50 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:50 | 6020B | 3010A |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | SPLP Mercury | | | | |

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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 05/07/25 |
| Project: | Raymark Superfund Site | Date Received: | 05/08/25 |
| Client Sample ID: | OU4-TS-25-050725 | SDG No.: | Q1984 |
| Lab Sample ID: | Q1984-10 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 1.25 | UD | 5 | 0.55 | 1.25 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:53 | 6020B | 3010A |
| 7440-38-2 | Arsenic | 26.3 | DN | 5 | 0.45 | 1.25 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:53 | 6020B | 3010A |
| 7440-39-3 | Barium | 118 | D | 5 | 1.05 | 6.25 | 50.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:53 | 6020B | 3010A |
| 7440-41-7 | Beryllium | 8.85 | D | 5 | 1.60 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:53 | 6020B | 3010A |
| 7440-43-9 | Cadmium | 7.05 | D | 5 | 1.70 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:53 | 6020B | 3010A |
| 7440-47-3 | Chromium | 21.4 | D | 5 | 1.05 | 3.75 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:53 | 6020B | 3010A |
| 7440-50-8 | Copper | 78.1 | D | 5 | 1.50 | 7.50 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:53 | 6020B | 3010A |
| 7439-92-1 | Lead | 21.3 | D | 5 | 1.05 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:53 | 6020B | 3010A |
| 7439-97-6 | Mercury | 0.16 | UN | 1 | 0.076 | 0.16 | 0.20 | ug/L | 05/13/25 14:20 | 05/14/25 12:17 | 7470A | |
| 7440-02-0 | Nickel | 136 | D | 5 | 1.35 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:53 | 6020B | 3010A |
| 7782-49-2 | Selenium | 22.5 | UD | 5 | 14.5 | 22.5 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:53 | 6020B | 3010A |
| 7440-22-4 | Silver | 2.50 | UDN | 5 | 0.30 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:53 | 6020B | 3010A |
| 7440-28-0 | Thallium | 0.60 | JD | 5 | 0.30 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:53 | 6020B | 3010A |
| 7440-62-2 | Vanadium | 43.5 | D | 5 | 0.39 | 1.25 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:53 | 6020B | 3010A |
| 7440-66-6 | Zinc | 1850 | D | 5 | 6.25 | 7.50 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:53 | 6020B | 3010A |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | SPLP Mercury | | | | |

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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 05/07/25 |
| Project: | Raymark Superfund Site | Date Received: | 05/08/25 |
| Client Sample ID: | OU4-TS-26-050725 | SDG No.: | Q1984 |
| Lab Sample ID: | Q1984-12 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 1.25 | UD | 5 | 0.55 | 1.25 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:56 | 6020B | 3010A |
| 7440-38-2 | Arsenic | 17.2 | DN | 5 | 0.45 | 1.25 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:56 | 6020B | 3010A |
| 7440-39-3 | Barium | 114 | D | 5 | 1.05 | 6.25 | 50.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:56 | 6020B | 3010A |
| 7440-41-7 | Beryllium | 9.80 | D | 5 | 1.60 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:56 | 6020B | 3010A |
| 7440-43-9 | Cadmium | 8.00 | D | 5 | 1.70 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:56 | 6020B | 3010A |
| 7440-47-3 | Chromium | 15.8 | D | 5 | 1.05 | 3.75 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:56 | 6020B | 3010A |
| 7440-50-8 | Copper | 79.5 | D | 5 | 1.50 | 7.50 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:56 | 6020B | 3010A |
| 7439-92-1 | Lead | 17.7 | D | 5 | 1.05 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:56 | 6020B | 3010A |
| 7439-97-6 | Mercury | 0.16 | UN | 1 | 0.076 | 0.16 | 0.20 | ug/L | 05/13/25 14:20 | 05/14/25 12:29 | 7470A | |
| 7440-02-0 | Nickel | 149 | D | 5 | 1.35 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:56 | 6020B | 3010A |
| 7782-49-2 | Selenium | 22.5 | UD | 5 | 14.5 | 22.5 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:56 | 6020B | 3010A |
| 7440-22-4 | Silver | 2.50 | UDN | 5 | 0.30 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:56 | 6020B | 3010A |
| 7440-28-0 | Thallium | 0.70 | JD | 5 | 0.30 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 15:56 | 6020B | 3010A |
| 7440-62-2 | Vanadium | 24.6 | JD | 5 | 0.39 | 1.25 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:56 | 6020B | 3010A |
| 7440-66-6 | Zinc | 2430 | D | 5 | 6.25 | 7.50 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 15:56 | 6020B | 3010A |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | SPLP Mercury | | | | |

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

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 05/07/25 |
| Project: | Raymark Superfund Site | Date Received: | 05/08/25 |
| Client Sample ID: | OU4-TS-27-050725 | SDG No.: | Q1984 |
| Lab Sample ID: | Q1984-14 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 1.25 | UD | 5 | 0.55 | 1.25 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 16:09 | 6020B | 3010A |
| 7440-38-2 | Arsenic | 21.2 | DN | 5 | 0.45 | 1.25 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 16:09 | 6020B | 3010A |
| 7440-39-3 | Barium | 124 | D | 5 | 1.05 | 6.25 | 50.0 | ug/L | 05/12/25 12:05 | 05/21/25 16:09 | 6020B | 3010A |
| 7440-41-7 | Beryllium | 8.70 | D | 5 | 1.60 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 16:09 | 6020B | 3010A |
| 7440-43-9 | Cadmium | 8.20 | D | 5 | 1.70 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 16:09 | 6020B | 3010A |
| 7440-47-3 | Chromium | 14.8 | D | 5 | 1.05 | 3.75 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 16:09 | 6020B | 3010A |
| 7440-50-8 | Copper | 63.8 | D | 5 | 1.50 | 7.50 | 10.0 | ug/L | 05/12/25 12:05 | 05/21/25 16:09 | 6020B | 3010A |
| 7439-92-1 | Lead | 18.2 | D | 5 | 1.05 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 16:09 | 6020B | 3010A |
| 7439-97-6 | Mercury | 0.16 | UN | 1 | 0.076 | 0.16 | 0.20 | ug/L | 05/13/25 14:20 | 05/14/25 12:31 | 7470A | |
| 7440-02-0 | Nickel | 147 | D | 5 | 1.35 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 16:09 | 6020B | 3010A |
| 7782-49-2 | Selenium | 22.5 | UD | 5 | 14.5 | 22.5 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 16:09 | 6020B | 3010A |
| 7440-22-4 | Silver | 2.50 | UDN | 5 | 0.30 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 16:09 | 6020B | 3010A |
| 7440-28-0 | Thallium | 0.75 | JD | 5 | 0.30 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/21/25 16:09 | 6020B | 3010A |
| 7440-62-2 | Vanadium | 27.1 | D | 5 | 0.39 | 1.25 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 16:09 | 6020B | 3010A |
| 7440-66-6 | Zinc | 1990 | D | 5 | 6.25 | 7.50 | 25.0 | ug/L | 05/12/25 12:05 | 05/21/25 16:09 | 6020B | 3010A |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | SPLP Mercury | | | | |

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MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 05/07/25 |
| Project: | Raymark Superfund Site | Date Received: | 05/08/25 |
| Client Sample ID: | OU4-TS-28-050725 | SDG No.: | Q1984 |
| Lab Sample ID: | Q1984-16 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 1.25 | UD | 5 | 0.55 | 1.25 | 10.0 | ug/L | 05/12/25 12:05 | 05/22/25 14:05 | 6020B | 3010A |
| 7440-38-2 | Arsenic | 24.5 | DN | 5 | 0.45 | 1.25 | 5.00 | ug/L | 05/12/25 12:05 | 05/22/25 14:05 | 6020B | 3010A |
| 7440-39-3 | Barium | 114 | D | 5 | 1.05 | 6.25 | 50.0 | ug/L | 05/12/25 12:05 | 05/22/25 14:05 | 6020B | 3010A |
| 7440-41-7 | Beryllium | 13.6 | D | 5 | 1.60 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/22/25 14:05 | 6020B | 3010A |
| 7440-43-9 | Cadmium | 9.85 | D | 5 | 1.70 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/22/25 14:05 | 6020B | 3010A |
| 7440-47-3 | Chromium | 41.9 | D | 5 | 1.05 | 3.75 | 10.0 | ug/L | 05/12/25 12:05 | 05/22/25 14:05 | 6020B | 3010A |
| 7440-50-8 | Copper | 298 | D | 5 | 1.50 | 7.50 | 10.0 | ug/L | 05/12/25 12:05 | 05/22/25 14:05 | 6020B | 3010A |
| 7439-92-1 | Lead | 35.6 | D | 5 | 1.05 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/22/25 14:05 | 6020B | 3010A |
| 7439-97-6 | Mercury | 0.16 | UN | 1 | 0.076 | 0.16 | 0.20 | ug/L | 05/13/25 14:20 | 05/14/25 12:33 | 7470A | |
| 7440-02-0 | Nickel | 234 | D | 5 | 1.35 | 3.75 | 5.00 | ug/L | 05/12/25 12:05 | 05/22/25 14:05 | 6020B | 3010A |
| 7782-49-2 | Selenium | 22.5 | UD | 5 | 14.5 | 22.5 | 25.0 | ug/L | 05/12/25 12:05 | 05/22/25 14:05 | 6020B | 3010A |
| 7440-22-4 | Silver | 2.50 | UDN | 5 | 0.30 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/22/25 14:05 | 6020B | 3010A |
| 7440-28-0 | Thallium | 0.85 | JD | 5 | 0.30 | 2.50 | 5.00 | ug/L | 05/12/25 12:05 | 05/22/25 14:05 | 6020B | 3010A |
| 7440-62-2 | Vanadium | 69.1 | D | 5 | 0.39 | 1.25 | 25.0 | ug/L | 05/12/25 12:05 | 05/22/25 14:05 | 6020B | 3010A |
| 7440-66-6 | Zinc | 1810 | D | 5 | 6.25 | 7.50 | 25.0 | ug/L | 05/12/25 12:05 | 05/22/25 14:05 | 6020B | 3010A |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | SPLP Mercury | | | | |

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# METAL CALIBRATION DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

**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 |
|---|---|---|---|---|---|---|---|---|---|
| ICV08 | Mercury | 3.70 | 4.0 | 93 | 90 - 110 | CV | 05/14/2025 | 11:42 | LB135763 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

**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 |
|---|---|---|---|---|---|---|---|---|---|
| CCV22 | Mercury | 4.97 | 5.0 | 100 | 90 - 110 | CV | 05/14/2025 | 11:46 | LB135763 |
| CCV23 | Mercury | 5.44 | 5.0 | 109 | 90 - 110 | CV | 05/14/2025 | 12:24 | LB135763 |
| CCV24 | Mercury | 5.50 | 5.0 | 110 | 90 - 110 | CV | 05/14/2025 | 12:51 | LB135763 |
| CCV25 | Mercury | 4.82 | 5.0 | 96 | 90 - 110 | CV | 05/14/2025 | 13:28 | LB135763 |
| CCV26 | Mercury | 5.14 | 5.0 | 103 | 90 - 110 | CV | 05/14/2025 | 13:55 | LB135763 |
| CCV27 | Mercury | 4.71 | 5.0 | 94 | 90 - 110 | CV | 05/14/2025 | 14:23 | LB135763 |
| CCV28 | Mercury | 4.80 | 5.0 | 96 | 90 - 110 | CV | 05/14/2025 | 14:39 | LB135763 |
| CCV29 | Mercury | 5.15 | 5.0 | 103 | 90 - 110 | CV | 05/14/2025 | 14:57 | LB135763 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

**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 | 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 |
| | Chromium | 101 | 100 | 100 | 90 - 110 | P | 05/21/2025 | 14:30 | LB135886 |
| | Copper | 108 | 100 | 108 | 90 - 110 | P | 05/21/2025 | 14:30 | LB135886 |
| | Lead | 203 | 200 | 102 | 90 - 110 | P | 05/21/2025 | 14:30 | LB135886 |
| | Nickel | 111 | 110 | 101 | 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 |
| | 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 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

**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 | 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 |
| | Chromium | 1.99 | 2.0 | 100 | 80 - 120 | P | 05/21/2025 | 14:33 | LB135886 |
| | Copper | 2.14 | 2.0 | 107 | 80 - 120 | P | 05/21/2025 | 14:33 | LB135886 |
| | Lead | 0.83 | 1.0 | 83 | 80 - 120 | P | 05/21/2025 | 14:33 | LB135886 |
| | Nickel | 0.93 | 1.0 | 93 | 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 |
| | 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 |

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# Metals

## - 2a -
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

**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 | 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 |
| | Chromium | 523 | 500 | 105 | 90 - 110 | P | 05/21/2025 | 14:51 | LB135886 |
| | Copper | 5060 | 5000 | 101 | 90 - 110 | P | 05/21/2025 | 14:51 | LB135886 |
| | Lead | 2600 | 2500 | 104 | 90 - 110 | P | 05/21/2025 | 14:51 | LB135886 |
| | Nickel | 473 | 500 | 95 | 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 |
| | 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 | 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 |
| | Chromium | 523 | 500 | 105 | 90 - 110 | P | 05/21/2025 | 15:59 | LB135886 |
| | Copper | 5080 | 5000 | 102 | 90 - 110 | P | 05/21/2025 | 15:59 | LB135886 |
| | Lead | 2590 | 2500 | 104 | 90 - 110 | P | 05/21/2025 | 15:59 | LB135886 |
| | Nickel | 471 | 500 | 94 | 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 |
| | 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 | 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 |
| | Chromium | 503 | 500 | 101 | 90 - 110 | P | 05/21/2025 | 16:57 | LB135886 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

**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 |
|---|---|---|---|---|---|---|---|---|---|
| CCV03 | Copper | 4870 | 5000 | 98 | 90 - 110 | P | 05/21/2025 | 16:57 | LB135886 |
| | Lead | 2530 | 2500 | 101 | 90 - 110 | P | 05/21/2025 | 16:57 | LB135886 |
| | Nickel | 451 | 500 | 90 | 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 |
| | 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 | Antimony | 505 | 500 | 101 | 90 - 110 | P | 05/21/2025 | 18:04 | LB135886 |
| | 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 |
| | Chromium | 537 | 500 | 108 | 90 - 110 | P | 05/21/2025 | 18:04 | LB135886 |
| | Copper | 5030 | 5000 | 101 | 90 - 110 | P | 05/21/2025 | 18:04 | LB135886 |
| | Lead | 2590 | 2500 | 103 | 90 - 110 | P | 05/21/2025 | 18:04 | LB135886 |
| | Nickel | 476 | 500 | 95 | 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 |
| | 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 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

**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 | Antimony | 196 | 200 | 98 | 90 - 110 | P | 05/22/2025 | 13:26 | LB135893 |
| | Arsenic | 192 | 200 | 96 | 90 - 110 | P | 05/22/2025 | 13:26 | LB135893 |
| | Barium | 97.9 | 100 | 98 | 90 - 110 | P | 05/22/2025 | 13:26 | LB135893 |
| | Beryllium | 106 | 100 | 106 | 90 - 110 | P | 05/22/2025 | 13:26 | LB135893 |
| | Cadmium | 98.0 | 100 | 98 | 90 - 110 | P | 05/22/2025 | 13:26 | LB135893 |
| | Chromium | 95.9 | 100 | 96 | 90 - 110 | P | 05/22/2025 | 13:26 | LB135893 |
| | Copper | 101 | 100 | 101 | 90 - 110 | P | 05/22/2025 | 13:26 | LB135893 |
| | Lead | 200 | 200 | 100 | 90 - 110 | P | 05/22/2025 | 13:26 | LB135893 |
| | Nickel | 110 | 110 | 100 | 90 - 110 | P | 05/22/2025 | 13:26 | LB135893 |
| | Selenium | 204 | 200 | 102 | 90 - 110 | P | 05/22/2025 | 13:26 | LB135893 |
| | Silver | 46.6 | 50.0 | 93 | 90 - 110 | P | 05/22/2025 | 13:26 | LB135893 |
| | Thallium | 203 | 210 | 97 | 90 - 110 | P | 05/22/2025 | 13:26 | LB135893 |
| | Vanadium | 95.4 | 100 | 95 | 90 - 110 | P | 05/22/2025 | 13:26 | LB135893 |
| | Zinc | 201 | 200 | 100 | 90 - 110 | P | 05/22/2025 | 13:26 | LB135893 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

**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 | Antimony | 2.08 | 2.0 | 104 | 80 - 120 | P | 05/22/2025 | 13:33 | LB135893 |
| | Arsenic | 1.05 | 1.0 | 105 | 80 - 120 | P | 05/22/2025 | 13:33 | LB135893 |
| | Barium | 10.4 | 10.0 | 104 | 80 - 120 | P | 05/22/2025 | 13:33 | LB135893 |
| | Beryllium | 1.19 | 1.0 | 119 | 80 - 120 | P | 05/22/2025 | 13:33 | LB135893 |
| | Cadmium | 0.89 | 1.0 | 89 | 80 - 120 | P | 05/22/2025 | 13:33 | LB135893 |
| | Chromium | 2.01 | 2.0 | 100 | 80 - 120 | P | 05/22/2025 | 13:33 | LB135893 |
| | Copper | 2.04 | 2.0 | 102 | 80 - 120 | P | 05/22/2025 | 13:33 | LB135893 |
| | Lead | 0.88 | 1.0 | 88 | 80 - 120 | P | 05/22/2025 | 13:33 | LB135893 |
| | Nickel | 0.94 | 1.0 | 94 | 80 - 120 | P | 05/22/2025 | 13:33 | LB135893 |
| | Selenium | 5.54 | 5.0 | 111 | 80 - 120 | P | 05/22/2025 | 13:33 | LB135893 |
| | Silver | 1.12 | 1.0 | 112 | 80 - 120 | P | 05/22/2025 | 13:33 | LB135893 |
| | Thallium | 1.01 | 1.0 | 101 | 80 - 120 | P | 05/22/2025 | 13:33 | LB135893 |
| | Vanadium | 5.19 | 5.0 | 104 | 80 - 120 | P | 05/22/2025 | 13:33 | LB135893 |
| | Zinc | 5.44 | 5.0 | 109 | 80 - 120 | P | 05/22/2025 | 13:33 | LB135893 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

**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 | Antimony | 500 | 500 | 100 | 90 - 110 | P | 05/22/2025 | 13:50 | LB135893 |
| | Arsenic | 505 | 500 | 101 | 90 - 110 | P | 05/22/2025 | 13:50 | LB135893 |
| | Barium | 2530 | 2500 | 101 | 90 - 110 | P | 05/22/2025 | 13:50 | LB135893 |
| | Beryllium | 520 | 500 | 104 | 90 - 110 | P | 05/22/2025 | 13:50 | LB135893 |
| | Cadmium | 483 | 500 | 96 | 90 - 110 | P | 05/22/2025 | 13:50 | LB135893 |
| | Chromium | 492 | 500 | 98 | 90 - 110 | P | 05/22/2025 | 13:50 | LB135893 |
| | Copper | 5080 | 5000 | 102 | 90 - 110 | P | 05/22/2025 | 13:50 | LB135893 |
| | Lead | 2590 | 2500 | 104 | 90 - 110 | P | 05/22/2025 | 13:50 | LB135893 |
| | Nickel | 492 | 500 | 98 | 90 - 110 | P | 05/22/2025 | 13:50 | LB135893 |
| | Selenium | 499 | 500 | 100 | 90 - 110 | P | 05/22/2025 | 13:50 | LB135893 |
| | Silver | 481 | 500 | 96 | 90 - 110 | P | 05/22/2025 | 13:50 | LB135893 |
| | Thallium | 511 | 500 | 102 | 90 - 110 | P | 05/22/2025 | 13:50 | LB135893 |
| | Vanadium | 508 | 500 | 102 | 90 - 110 | P | 05/22/2025 | 13:50 | LB135893 |
| | Zinc | 5280 | 5000 | 106 | 90 - 110 | P | 05/22/2025 | 13:50 | LB135893 |
| CCV02 | Antimony | 504 | 500 | 101 | 90 - 110 | P | 05/22/2025 | 14:24 | LB135893 |
| | Arsenic | 491 | 500 | 98 | 90 - 110 | P | 05/22/2025 | 14:24 | LB135893 |
| | Barium | 2590 | 2500 | 104 | 90 - 110 | P | 05/22/2025 | 14:24 | LB135893 |
| | Beryllium | 512 | 500 | 102 | 90 - 110 | P | 05/22/2025 | 14:24 | LB135893 |
| | Cadmium | 495 | 500 | 99 | 90 - 110 | P | 05/22/2025 | 14:24 | LB135893 |
| | Chromium | 478 | 500 | 96 | 90 - 110 | P | 05/22/2025 | 14:24 | LB135893 |
| | Copper | 4970 | 5000 | 99 | 90 - 110 | P | 05/22/2025 | 14:24 | LB135893 |
| | Lead | 2500 | 2500 | 100 | 90 - 110 | P | 05/22/2025 | 14:24 | LB135893 |
| | Nickel | 479 | 500 | 96 | 90 - 110 | P | 05/22/2025 | 14:24 | LB135893 |
| | Selenium | 508 | 500 | 102 | 90 - 110 | P | 05/22/2025 | 14:24 | LB135893 |
| | Silver | 490 | 500 | 98 | 90 - 110 | P | 05/22/2025 | 14:24 | LB135893 |
| | Thallium | 499 | 500 | 100 | 90 - 110 | P | 05/22/2025 | 14:24 | LB135893 |
| | Vanadium | 495 | 500 | 99 | 90 - 110 | P | 05/22/2025 | 14:24 | LB135893 |
| | Zinc | 5100 | 5000 | 102 | 90 - 110 | P | 05/22/2025 | 14:24 | LB135893 |

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# Metals

## - 2b -
## CRDL STANDARD FOR AA & ICP

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

**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 |
|---|---|---|---|---|---|---|---|---|---|
| CRA | Mercury | 0.18 | 0.2 | 89 | 70 - 130 | CV | 05/14/2025 | 11:54 | LB135763 |
| CRI | 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 |
| | Chromium | 2.03 | 2.0 | 102 | 70 - 130 | P | 05/21/2025 | 15:00 | LB135886 |
| | Copper | 2.16 | 2.0 | 108 | 70 - 130 | P | 05/21/2025 | 15:00 | LB135886 |
| | Lead | 0.83 | 1.0 | 83 | 70 - 130 | P | 05/21/2025 | 15:00 | LB135886 |
| | Nickel | 0.95 | 1.0 | 95 | 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 |
| | 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 |
| CRI | Antimony | 1.79 | 2.0 | 90 | 70 - 130 | P | 05/22/2025 | 14:01 | LB135893 |
| | Arsenic | 0.91 | 1.0 | 91 | 70 - 130 | P | 05/22/2025 | 14:01 | LB135893 |
| | Barium | 8.99 | 10.0 | 90 | 70 - 130 | P | 05/22/2025 | 14:01 | LB135893 |
| | Beryllium | 1.04 | 1.0 | 104 | 70 - 130 | P | 05/22/2025 | 14:01 | LB135893 |
| | Cadmium | 0.70 | 1.0 | 70 | 70 - 130 | P | 05/22/2025 | 14:01 | LB135893 |
| | Chromium | 1.77 | 2.0 | 88 | 70 - 130 | P | 05/22/2025 | 14:01 | LB135893 |
| | Copper | 1.80 | 2.0 | 90 | 70 - 130 | P | 05/22/2025 | 14:01 | LB135893 |
| | Lead | 0.77 | 1.0 | 77 | 70 - 130 | P | 05/22/2025 | 14:01 | LB135893 |
| | Nickel | 0.84 | 1.0 | 84 | 70 - 130 | P | 05/22/2025 | 14:01 | LB135893 |
| | Selenium | 4.57 | 5.0 | 91 | 70 - 130 | P | 05/22/2025 | 14:01 | LB135893 |
| | Silver | 0.97 | 1.0 | 97 | 70 - 130 | P | 05/22/2025 | 14:01 | LB135893 |
| | Thallium | 0.91 | 1.0 | 91 | 70 - 130 | P | 05/22/2025 | 14:01 | LB135893 |
| | Vanadium | 4.60 | 5.0 | 92 | 70 - 130 | P | 05/22/2025 | 14:01 | LB135893 |
| | Zinc | 4.30 | 5.0 | 86 | 50 - 150 | P | 05/22/2025 | 14:01 | LB135893 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | LOD | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|---|
| **ICB08** | Mercury | 0.20 | +/-0.20 | U | 0.16 | 0.20 | CV | 05/14/2025 | 11:44 | LB135763 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | LOD | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|---|
| **CCB22** | Mercury | 0.20 | +/-0.20 | U | 0.16 | 0.20 | CV | 05/14/2025 | 11:51 | LB135763 |
| **CCB23** | Mercury | 0.20 | +/-0.20 | U | 0.16 | 0.20 | CV | 05/14/2025 | 12:26 | LB135763 |
| **CCB24** | Mercury | 0.20 | +/-0.20 | U | 0.16 | 0.20 | CV | 05/14/2025 | 12:54 | LB135763 |
| **CCB25** | Mercury | 0.20 | +/-0.20 | U | 0.16 | 0.20 | CV | 05/14/2025 | 13:30 | LB135763 |
| **CCB26** | Mercury | 0.20 | +/-0.20 | U | 0.16 | 0.20 | CV | 05/14/2025 | 13:57 | LB135763 |
| **CCB27** | Mercury | 0.20 | +/-0.20 | U | 0.16 | 0.20 | CV | 05/14/2025 | 14:25 | LB135763 |
| **CCB28** | Mercury | 0.20 | +/-0.20 | U | 0.16 | 0.20 | CV | 05/14/2025 | 14:41 | LB135763 |
| **CCB29** | Mercury | 0.20 | +/-0.20 | U | 0.16 | 0.20 | CV | 05/14/2025 | 14:59 | LB135763 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | LOD | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|---|
| ICB01 | 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 |
| | Chromium | 2.00 | +/-2.00 | U | 0.75 | 2.00 | P | 05/21/2025 | 14:37 | LB135886 |
| | Copper | 2.00 | +/-2.00 | U | 1.50 | 2.00 | P | 05/21/2025 | 14:37 | LB135886 |
| | Lead | 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 |
| | 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 |
| | 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 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | LOD | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|---|
| **CCB01** | 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 |
| | Chromium | 2.00 | +/-2.00 | U | 0.75 | 2.00 | P | 05/21/2025 | 14:57 | LB135886 |
| | Copper | 2.00 | +/-2.00 | U | 1.50 | 2.00 | P | 05/21/2025 | 14:57 | LB135886 |
| | Lead | 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 |
| | 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 |
| | 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** | 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 |
| | Chromium | 2.00 | +/-2.00 | U | 0.75 | 2.00 | P | 05/21/2025 | 16:05 | LB135886 |
| | Copper | 2.00 | +/-2.00 | U | 1.50 | 2.00 | P | 05/21/2025 | 16:05 | LB135886 |
| | Lead | 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 |
| | Selenium | 5.00 | +/-5.00 | U | 4.50 | 5.00 | P | 05/21/2025 | 16:05 | LB135886 |
| | Silver | 1.00 | +/-1.00 | U | 0.50 | 1.00 | 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** | 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 |
| | Chromium | 2.00 | +/-2.00 | U | 0.75 | 2.00 | P | 05/21/2025 | 17:28 | LB135886 |
| | Copper | 2.00 | +/-2.00 | U | 1.50 | 2.00 | P | 05/21/2025 | 17:28 | LB135886 |
| | Lead | 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 |
| | 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 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | LOD | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|---|
| **CCB03** | 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** | 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 |
| | Chromium | 2.00 | +/-2.00 | U | 0.75 | 2.00 | P | 05/21/2025 | 18:16 | LB135886 |
| | Copper | 2.00 | +/-2.00 | U | 1.50 | 2.00 | P | 05/21/2025 | 18:16 | LB135886 |
| | Lead | 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 |
| | 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 |
| | 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 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | LOD | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|---|
| ICB01 | Antimony | 2.00 | +/-2.00 | U | 0.25 | 2.00 | P | 05/22/2025 | 13:40 | LB135893 |
| | Arsenic | 1.00 | +/-1.00 | U | 0.25 | 1.00 | P | 05/22/2025 | 13:40 | LB135893 |
| | Barium | 10.0 | +/-10.0 | U | 1.25 | 10.0 | P | 05/22/2025 | 13:40 | LB135893 |
| | Beryllium | 1.00 | +/-1.00 | U | 0.75 | 1.00 | P | 05/22/2025 | 13:40 | LB135893 |
| | Cadmium | 1.00 | +/-1.00 | U | 0.50 | 1.00 | P | 05/22/2025 | 13:40 | LB135893 |
| | Chromium | 2.00 | +/-2.00 | U | 0.75 | 2.00 | P | 05/22/2025 | 13:40 | LB135893 |
| | Copper | 2.00 | +/-2.00 | U | 1.50 | 2.00 | P | 05/22/2025 | 13:40 | LB135893 |
| | Lead | 1.00 | +/-1.00 | U | 0.75 | 1.00 | P | 05/22/2025 | 13:40 | LB135893 |
| | Nickel | 1.00 | +/-1.00 | U | 0.75 | 1.00 | P | 05/22/2025 | 13:40 | LB135893 |
| | Selenium | 5.00 | +/-5.00 | U | 4.50 | 5.00 | P | 05/22/2025 | 13:40 | LB135893 |
| | Silver | 1.00 | +/-1.00 | U | 0.50 | 1.00 | P | 05/22/2025 | 13:40 | LB135893 |
| | Thallium | 1.00 | +/-1.00 | U | 0.50 | 1.00 | P | 05/22/2025 | 13:40 | LB135893 |
| | Vanadium | 5.00 | +/-5.00 | U | 0.25 | 5.00 | P | 05/22/2025 | 13:40 | LB135893 |
| | Zinc | 5.00 | +/-5.00 | U | 1.50 | 5.00 | P | 05/22/2025 | 13:40 | LB135893 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | LOD | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|---|
| CCB01 | Antimony | 0.12 | +/-2.00 | J | 0.25 | 2.00 | P | 05/22/2025 | 13:54 | LB135893 |
| | Arsenic | 1.00 | +/-1.00 | U | 0.25 | 1.00 | P | 05/22/2025 | 13:54 | LB135893 |
| | Barium | 10.0 | +/-10.0 | U | 1.25 | 10.0 | P | 05/22/2025 | 13:54 | LB135893 |
| | Beryllium | 1.00 | +/-1.00 | U | 0.75 | 1.00 | P | 05/22/2025 | 13:54 | LB135893 |
| | Cadmium | 1.00 | +/-1.00 | U | 0.50 | 1.00 | P | 05/22/2025 | 13:54 | LB135893 |
| | Chromium | 2.00 | +/-2.00 | U | 0.75 | 2.00 | P | 05/22/2025 | 13:54 | LB135893 |
| | Copper | 2.00 | +/-2.00 | U | 1.50 | 2.00 | P | 05/22/2025 | 13:54 | LB135893 |
| | Lead | 1.00 | +/-1.00 | U | 0.75 | 1.00 | P | 05/22/2025 | 13:54 | LB135893 |
| | Nickel | 1.00 | +/-1.00 | U | 0.75 | 1.00 | P | 05/22/2025 | 13:54 | LB135893 |
| | Selenium | 5.00 | +/-5.00 | U | 4.50 | 5.00 | P | 05/22/2025 | 13:54 | LB135893 |
| | Silver | 1.00 | +/-1.00 | U | 0.50 | 1.00 | P | 05/22/2025 | 13:54 | LB135893 |
| | Thallium | 1.00 | +/-1.00 | U | 0.50 | 1.00 | P | 05/22/2025 | 13:54 | LB135893 |
| | Vanadium | 5.00 | +/-5.00 | U | 0.25 | 5.00 | P | 05/22/2025 | 13:54 | LB135893 |
| | Zinc | 5.00 | +/-5.00 | U | 1.50 | 5.00 | P | 05/22/2025 | 13:54 | LB135893 |
| CCB02 | Antimony | 2.00 | +/-2.00 | U | 0.25 | 2.00 | P | 05/22/2025 | 14:32 | LB135893 |
| | Arsenic | 1.00 | +/-1.00 | U | 0.25 | 1.00 | P | 05/22/2025 | 14:32 | LB135893 |
| | Barium | 10.0 | +/-10.0 | U | 1.25 | 10.0 | P | 05/22/2025 | 14:32 | LB135893 |
| | Beryllium | 1.00 | +/-1.00 | U | 0.75 | 1.00 | P | 05/22/2025 | 14:32 | LB135893 |
| | Cadmium | 1.00 | +/-1.00 | U | 0.50 | 1.00 | P | 05/22/2025 | 14:32 | LB135893 |
| | Chromium | 2.00 | +/-2.00 | U | 0.75 | 2.00 | P | 05/22/2025 | 14:32 | LB135893 |
| | Copper | 2.00 | +/-2.00 | U | 1.50 | 2.00 | P | 05/22/2025 | 14:32 | LB135893 |
| | Lead | 1.00 | +/-1.00 | U | 0.75 | 1.00 | P | 05/22/2025 | 14:32 | LB135893 |
| | Nickel | 1.00 | +/-1.00 | U | 0.75 | 1.00 | P | 05/22/2025 | 14:32 | LB135893 |
| | Selenium | 5.00 | +/-5.00 | U | 4.50 | 5.00 | P | 05/22/2025 | 14:32 | LB135893 |
| | Silver | 1.00 | +/-1.00 | U | 0.50 | 1.00 | P | 05/22/2025 | 14:32 | LB135893 |
| | Thallium | 1.00 | +/-1.00 | U | 0.50 | 1.00 | P | 05/22/2025 | 14:32 | LB135893 |
| | Vanadium | 5.00 | +/-5.00 | U | 0.25 | 5.00 | P | 05/22/2025 | 14:32 | LB135893 |
| | Zinc | 5.00 | +/-5.00 | U | 1.50 | 5.00 | P | 05/22/2025 | 14:32 | LB135893 |

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# Metals
## - 3b -
## PREPARATION BLANK SUMMARY

**Client:** Nobis Group **SDG No.:** Q1984

**Instrument:** CV1

| Sample ID | Analyte | Result (ug/L) | Acceptance Limit | Conc Qual | LOD ug/L | CRQL ug/L | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|---|
| **PB167978BL** | | **WATER** | | **Batch Number:** | | **PB167978** | | **Prep Date:** | **05/13/2025** | |
| | Mercury | 0.20 | <0.20 | U | 0.16 | 0.20 | CV | 05/14/2025 | 12:03 | LB135763 |
| **Sample ID** | **Analyte** | **Result (ug/L)** | **Acceptance Limit** | **Conc Qual** | LOD **ug/L** | **CRQL ug/L** | **M** | **Analysis Date** | **Analysis Time** | **Run** |
| **PB167978TB** | | **WATER** | | **Batch Number:** | | **PB167978** | | **Prep Date:** | **05/13/2025** | |
| | Mercury | 0.20 | <0.20 | U | 0.16 | 0.20 | CV | 05/14/2025 | 14:34 | LB135763 |

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# Metals
## - 3b -
## PREPARATION BLANK SUMMARY

**Client:** Nobis Group **SDG No.:** Q1984

**Instrument:** P8

| Sample ID | Analyte | Result (ug/L) | Acceptance Limit | Conc Qual | LOD ug/L | CRQL ug/L | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|---|
| **PB167960BL** | | **WATER** | | **Batch Number:** | | **PB167960** | | **Prep Date:** | **05/12/2025** | |
| | Antimony | 2.00 | <2.00 | U | 0.25 | 2.00 | P | 05/21/2025 | 15:31 | LB135886 |
| | Arsenic | 1.00 | <1.00 | U | 0.25 | 1.00 | P | 05/21/2025 | 15:31 | LB135886 |
| | Barium | 10.0 | <10.0 | U | 1.25 | 10.0 | P | 05/21/2025 | 15:31 | LB135886 |
| | Beryllium | 1.00 | <1.00 | U | 0.75 | 1.00 | P | 05/21/2025 | 15:31 | LB135886 |
| | Cadmium | 1.00 | <1.00 | U | 0.50 | 1.00 | P | 05/21/2025 | 15:31 | LB135886 |
| | Chromium | 2.00 | <2.00 | U | 0.75 | 2.00 | P | 05/21/2025 | 15:31 | LB135886 |
| | Copper | 2.00 | <2.00 | U | 1.50 | 2.00 | P | 05/21/2025 | 15:31 | LB135886 |
| | Lead | 1.00 | <1.00 | U | 0.75 | 1.00 | P | 05/21/2025 | 15:31 | LB135886 |
| | Nickel | 1.00 | <1.00 | U | 0.75 | 1.00 | P | 05/21/2025 | 15:31 | LB135886 |
| | Selenium | 5.00 | <5.00 | U | 4.50 | 5.00 | P | 05/21/2025 | 15:31 | LB135886 |
| | Silver | 1.00 | <1.00 | U | 0.50 | 1.00 | P | 05/21/2025 | 15:31 | LB135886 |
| | Thallium | 1.00 | <1.00 | U | 0.50 | 1.00 | P | 05/21/2025 | 15:31 | LB135886 |
| | Vanadium | 5.00 | <5.00 | U | 0.25 | 5.00 | P | 05/21/2025 | 15:31 | LB135886 |
| | Zinc | 5.00 | <5.00 | U | 1.50 | 5.00 | P | 05/21/2025 | 15:31 | LB135886 |

| Sample ID | Analyte | Result (ug/L) | Acceptance Limit | Conc Qual | LOD ug/L | CRQL ug/L | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|---|
| **PB167960TB** | | **WATER** | | **Batch Number:** | | **PB167960** | | **Prep Date:** | **05/12/2025** | |
| | Antimony | 2.00 | <2.00 | U | 0.25 | 2.00 | P | 05/21/2025 | 15:37 | LB135886 |
| | Arsenic | 1.00 | <1.00 | U | 0.25 | 1.00 | P | 05/21/2025 | 15:37 | LB135886 |
| | Barium | 10.0 | <10.0 | U | 1.25 | 10.0 | P | 05/21/2025 | 15:37 | LB135886 |
| | Beryllium | 1.00 | <1.00 | U | 0.75 | 1.00 | P | 05/21/2025 | 15:37 | LB135886 |
| | Cadmium | 1.00 | <1.00 | U | 0.50 | 1.00 | P | 05/21/2025 | 15:37 | LB135886 |
| | Chromium | 2.00 | <2.00 | U | 0.75 | 2.00 | P | 05/21/2025 | 15:37 | LB135886 |
| | Copper | 2.00 | <2.00 | U | 1.50 | 2.00 | P | 05/21/2025 | 15:37 | LB135886 |
| | Lead | 1.00 | <1.00 | U | 0.75 | 1.00 | P | 05/21/2025 | 15:37 | LB135886 |
| | Nickel | 1.00 | <1.00 | U | 0.75 | 1.00 | P | 05/21/2025 | 15:37 | LB135886 |
| | Selenium | 5.00 | <5.00 | U | 4.50 | 5.00 | P | 05/21/2025 | 15:37 | LB135886 |
| | Silver | 1.00 | <1.00 | U | 0.50 | 1.00 | P | 05/21/2025 | 15:37 | LB135886 |
| | Thallium | 1.00 | <1.00 | U | 0.50 | 1.00 | P | 05/21/2025 | 15:37 | LB135886 |
| | Vanadium | 5.00 | <5.00 | U | 0.25 | 5.00 | P | 05/21/2025 | 15:37 | LB135886 |
| | Zinc | 5.00 | <5.00 | U | 1.50 | 5.00 | P | 05/21/2025 | 15:37 | LB135886 |

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# Metals
## - 4 -
## INTERFERENCE CHECK SAMPLE

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

**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 | 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 |
| | Chromium | 19.4 | 21.0 | 92 | 17 | 25 | 05/21/2025 | 14:40 | LB135886 |
| | Copper | 7.56 | 8.0 | 94 | 4 | 12 | 05/21/2025 | 14:40 | LB135886 |
| | Lead | 4.23 | 4.0 | 106 | 2 | 6 | 05/21/2025 | 14:40 | LB135886 |
| | Nickel | 5.29 | 6.0 | 88 | 4 | 8 | 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 |
| | 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 | 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 |
| | Chromium | 39.6 | 40.0 | 99 | 34 | 46 | 05/21/2025 | 14:43 | LB135886 |
| | Copper | 27.9 | 25.0 | 112 | 21 | 29 | 05/21/2025 | 14:43 | LB135886 |
| | Lead | 27.3 | 25.0 | 109 | 21.3 | 28.8 | 05/21/2025 | 14:43 | LB135886 |
| | Nickel | 24.7 | 24.0 | 103 | 20.4 | 27.6 | 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 |
| | Thallium | 20.3 | 21.0 | 97 | 17.9 | 24.2 | 05/21/2025 | 14:43 | LB135886 |
| | 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 |
| ICSA01 | Antimony | 1.08 | 1.5 | 72 | -2.5 | 5.5 | 05/22/2025 | 13:44 | LB135893 |
| | Arsenic | 0.24 | 0.1 | 240 | -1.9 | 2.1 | 05/22/2025 | 13:44 | LB135893 |
| | Barium | 1.40 | 1.2 | 117 | -18.8 | 21.2 | 05/22/2025 | 13:44 | LB135893 |
| | Beryllium | 0.30 | | | -2 | 2 | 05/22/2025 | 13:44 | LB135893 |
| | Cadmium | 0.34 | 0.7 | 49 | -1.3 | 2.7 | 05/22/2025 | 13:44 | LB135893 |
| | Chromium | 19.5 | 21.0 | 93 | 17 | 25 | 05/22/2025 | 13:44 | LB135893 |
| | Copper | 7.52 | 8.0 | 94 | 4 | 12 | 05/22/2025 | 13:44 | LB135893 |
| | Lead | 4.28 | 4.0 | 107 | 2 | 6 | 05/22/2025 | 13:44 | LB135893 |
| | Nickel | 5.63 | 6.0 | 94 | 4 | 8 | 05/22/2025 | 13:44 | LB135893 |
| | Selenium | 0 | 0.3 | | -9.7 | 10 | 05/22/2025 | 13:44 | LB135893 |
| | Silver | 0.050 | | | -2 | 2 | 05/22/2025 | 13:44 | LB135893 |
| | Thallium | 0.12 | | | -2 | 2 | 05/22/2025 | 13:44 | LB135893 |
| | Vanadium | 0.16 | 0.5 | 32 | -9.5 | 10.5 | 05/22/2025 | 13:44 | LB135893 |
| | Zinc | 10.2 | 11.0 | 92 | 1 | 21 | 05/22/2025 | 13:44 | LB135893 |

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# Metals
## - 4 -
## INTERFERENCE CHECK SAMPLE

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

**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 | Antimony | 20.4 | 22.0 | 93 | 18 | 26 | 05/22/2025 | 13:47 | LB135893 |
| | Arsenic | 19.0 | 19.0 | 100 | 16.2 | 21.9 | 05/22/2025 | 13:47 | LB135893 |
| | Barium | 21.6 | 22.0 | 98 | 2 | 42 | 05/22/2025 | 13:47 | LB135893 |
| | Beryllium | 21.8 | 19.0 | 115 | 16.2 | 21.9 | 05/22/2025 | 13:47 | LB135893 |
| | Cadmium | 19.4 | 20.0 | 97 | 17 | 23 | 05/22/2025 | 13:47 | LB135893 |
| | Chromium | 37.0 | 40.0 | 92 | 34 | 46 | 05/22/2025 | 13:47 | LB135893 |
| | Copper | 26.1 | 25.0 | 104 | 21 | 29 | 05/22/2025 | 13:47 | LB135893 |
| | Lead | 24.4 | 25.0 | 98 | 21.3 | 28.8 | 05/22/2025 | 13:47 | LB135893 |
| | Nickel | 24.5 | 24.0 | 102 | 20.4 | 27.6 | 05/22/2025 | 13:47 | LB135893 |
| | Selenium | 20.1 | 19.0 | 106 | 9 | 29 | 05/22/2025 | 13:47 | LB135893 |
| | Silver | 18.3 | 18.0 | 102 | 15.3 | 20.7 | 05/22/2025 | 13:47 | LB135893 |
| | Thallium | 19.6 | 21.0 | 93 | 17.9 | 24.2 | 05/22/2025 | 13:47 | LB135893 |
| | Vanadium | 19.0 | 19.0 | 100 | 9 | 29 | 05/22/2025 | 13:47 | LB135893 |
| | Zinc | 28.2 | 29.0 | 97 | 19 | 39 | 05/22/2025 | 13:47 | LB135893 |

# METAL QC DATA

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# metals
## - 5a -
## MATRIX SPIKE SUMMARY

**client:** Nobis Group **level:** low **sdg no.:** Q1984

**contract:** NOBI03 **lab code:** CHEM **case no.:** Q1984 **sas no.:** Q1984

**matrix:** Water **sample id:** Q1984-16 **client id:** OU4-TS-28-050725MS

**Percent Solids for Sample:** NA **Spiked ID:** Q1984-16MS **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | ug/L | 85 - 117 | 471 | D | 10.0 | UD | 500 | 94 | | P |
| Arsenic | ug/L | 84 - 116 | 21.3 | D | 24.5 | D | 500 | -1 | N | P |
| Barium | ug/L | 86 - 114 | 2330 | D | 114 | D | 2500 | 89 | | P |
| Beryllium | ug/L | 83 - 121 | 516 | D | 13.6 | D | 500 | 100 | | P |
| Cadmium | ug/L | 87 - 115 | 486 | D | 9.85 | D | 500 | 95 | | P |
| Chromium | ug/L | 85 - 116 | 499 | D | 41.9 | D | 500 | 91 | | P |
| Copper | ug/L | 85 - 118 | 5390 | D | 298 | D | 5000 | 102 | | P |
| Lead | ug/L | 88 - 115 | 2480 | D | 35.6 | D | 2500 | 98 | | P |
| Nickel | ug/L | 85 - 117 | 709 | D | 234 | D | 500 | 95 | | P |
| Mercury | ug/L | 82 - 119 | 3.76 | | 0.20 | U | 4.0 | 94 | | CV |
| Selenium | ug/L | 80 - 120 | 431 | D | 25.0 | UD | 500 | 85 | | P |
| Silver | ug/L | 85 - 116 | 81.2 | D | 5.00 | UD | 500 | 16 | N | P |
| Thallium | ug/L | 82 - 116 | 490 | D | 0.85 | JD | 500 | 98 | | P |
| Vanadium | ug/L | 86 - 115 | 554 | D | 69.1 | D | 500 | 97 | | P |
| Zinc | ug/L | 83 - 119 | 6590 | D | 1810 | D | 5000 | 96 | | P |

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# metals
## - 5a -
## MATRIX SPIKE DUPLICATE SUMMARY

**client:** Nobis Group **level:** low **sdg no.:** Q1984

**contract:** NOBI03 **lab code:** CHEM **case no.:** Q1984 **sas no.:** Q1984

**matrix:** Water **sample id:** Q1984-16 **client id:** OU4-TS-28-050725MSD

**Percent Solids for Sample:** NA **Spiked ID:** Q1984-16MSD **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit %R | MSD Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | ug/L | 85 - 117 | 463 | D | 10.0 | UD | 500 | 93 | | P |
| Arsenic | ug/L | 84 - 116 | 20.5 | D | 24.5 | D | 500 | -1 | N | P |
| Barium | ug/L | 86 - 114 | 2320 | D | 114 | D | 2500 | 88 | | P |
| Beryllium | ug/L | 83 - 121 | 510 | D | 13.6 | D | 500 | 99 | | P |
| Cadmium | ug/L | 87 - 115 | 477 | D | 9.85 | D | 500 | 93 | | P |
| Chromium | ug/L | 85 - 116 | 494 | D | 41.9 | D | 500 | 90 | | P |
| Copper | ug/L | 85 - 118 | 5300 | D | 298 | D | 5000 | 100 | | P |
| Lead | ug/L | 88 - 115 | 2450 | D | 35.6 | D | 2500 | 96 | | P |
| Nickel | ug/L | 85 - 117 | 699 | D | 234 | D | 500 | 93 | | P |
| Mercury | ug/L | 82 - 119 | 3.21 | | 0.20 | U | 4.0 | 80 | N | CV |
| Selenium | ug/L | 80 - 120 | 432 | D | 25.0 | UD | 500 | 85 | | P |
| Silver | ug/L | 85 - 116 | 79.8 | D | 5.00 | UD | 500 | 16 | N | P |
| Thallium | ug/L | 82 - 116 | 475 | D | 0.85 | JD | 500 | 95 | | P |
| Vanadium | ug/L | 86 - 115 | 550 | D | 69.1 | D | 500 | 96 | | P |
| Zinc | ug/L | 83 - 119 | 6490 | D | 1810 | D | 5000 | 94 | | P |

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# Metals
## - 5b -
## POST DIGEST SPIKE SUMMARY

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

**Matrix:** Water **Level:** LOW **Client ID:** OU4-TS-28-050725A

**Sample ID:** Q1984-16 **Spiked ID:** Q1984-16A

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | ug/L | 84 - 116 | 20.8 | D | 24.5 | D | 500 | -1 | N | P |
| Mercury | ug/L | 82 - 119 | 3.88 | | 0.20 | U | 4.00 | 97 | | CV |
| Silver | ug/L | 85 - 116 | 81.7 | D | 5.00 | UD | 500 | 16 | N | P |

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# Metals

## - 6 -

## DUPLICATE SAMPLE SUMMARY

**Client:** Nobis Group **Level:** LOW **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

**Matrix:** Water **Sample ID:** Q1984-16 **Client ID:** OU4-TS-28-050725DUP

**Percent Solids for Sample:** NA **Duplicate ID** Q1984-16DUP **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ug/L | 20 | 10.0 | UD | 10.0 | UD | | | P |
| Arsenic | ug/L | 20 | 24.5 | D | 22.9 | D | 7 | | P |
| Barium | ug/L | 20 | 114 | D | 114 | D | 0 | | P |
| Beryllium | ug/L | 20 | 13.6 | D | 13.2 | D | 3 | | P |
| Cadmium | ug/L | 20 | 9.85 | D | 9.70 | D | 2 | | P |
| Chromium | ug/L | 20 | 41.9 | D | 42.8 | D | 2 | | P |
| Copper | ug/L | 20 | 298 | D | 291 | D | 2 | | P |
| Lead | ug/L | 20 | 35.6 | D | 34.9 | D | 2 | | P |
| Nickel | ug/L | 20 | 234 | D | 231 | D | 1 | | P |
| Mercury | ug/L | 20 | 0.20 | U | 0.20 | U | | | CV |
| Selenium | ug/L | 20 | 25.0 | UD | 25.0 | UD | | | P |
| Silver | ug/L | 20 | 5.00 | UD | 5.00 | UD | | | P |
| Thallium | ug/L | 20 | 0.85 | JD | 0.80 | JD | 6 | | P |
| Vanadium | ug/L | 20 | 69.1 | D | 68.3 | D | 1 | | P |
| Zinc | ug/L | 20 | 1810 | D | 1750 | D | 3 | | P |

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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# Metals

## - 6 -

## DUPLICATE SAMPLE SUMMARY

**Client:** Nobis Group **Level:** LOW **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

**Matrix:** Water **Sample ID:** Q1984-16MS **Client ID:** OU4-TS-28-050725MSD

**Percent Solids for Sample:** NA **Duplicate ID** Q1984-16MSD **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ug/L | 20 | 471 | D | 463 | D | 2 | | P |
| Arsenic | ug/L | 20 | 21.3 | D | 20.5 | D | 4 | | P |
| Barium | ug/L | 20 | 2330 | D | 2320 | D | 0 | | P |
| Beryllium | ug/L | 20 | 516 | D | 510 | D | 1 | | P |
| Cadmium | ug/L | 20 | 486 | D | 477 | D | 2 | | P |
| Chromium | ug/L | 20 | 499 | D | 494 | D | 1 | | P |
| Copper | ug/L | 20 | 5390 | D | 5300 | D | 2 | | P |
| Lead | ug/L | 20 | 2480 | D | 2450 | D | 1 | | P |
| Nickel | ug/L | 20 | 709 | D | 699 | D | 1 | | P |
| Mercury | ug/L | 20 | 3.76 | | 3.21 | | 16 | | CV |
| Selenium | ug/L | 20 | 431 | D | 432 | D | 0 | | P |
| Silver | ug/L | 20 | 81.2 | D | 79.8 | D | 2 | | P |
| Thallium | ug/L | 20 | 490 | D | 475 | D | 3 | | P |
| Vanadium | ug/L | 20 | 554 | D | 550 | D | 1 | | P |
| Zinc | ug/L | 20 | 6590 | D | 6490 | D | 2 | | P |

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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## LABORATORY CONTROL SAMPLE SUMMARY

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

| Analyte | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|---|---|---|---|---|---|---|---|
| PB167960BS | | | | | | | |
| Antimony | ug/L | 500 | 516 | | 103 | 85 - 117 | P |
| Arsenic | ug/L | 500 | 515 | | 103 | 84 - 116 | P |
| Barium | ug/L | 2500 | 2580 | | 103 | 86 - 114 | P |
| Beryllium | ug/L | 500 | 518 | | 104 | 83 - 121 | P |
| Cadmium | ug/L | 500 | 528 | | 106 | 87 - 115 | P |
| Chromium | ug/L | 500 | 524 | | 105 | 85 - 116 | P |
| Copper | ug/L | 5000 | 5230 | | 105 | 85 - 118 | P |
| Lead | ug/L | 2500 | 2500 | | 100 | 88 - 115 | P |
| Nickel | ug/L | 500 | 495 | | 99 | 85 - 117 | P |
| Selenium | ug/L | 500 | 505 | | 101 | 80 - 120 | P |
| Silver | ug/L | 500 | 522 | | 104 | 85 - 116 | P |
| Thallium | ug/L | 500 | 500 | | 100 | 82 - 116 | P |
| Vanadium | ug/L | 500 | 516 | | 103 | 86 - 115 | P |
| Zinc | ug/L | 5000 | 5300 | | 106 | 83 - 119 | P |

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## LABORATORY CONTROL SAMPLE SUMMARY

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984

| Analyte | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|---|---|---|---|---|---|---|---|
| PB167978BS | | | | | | | |
| Mercury | ug/L | 4.0 | 3.69 | | 92 | 82 - 119 | CV |

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group | Contract: NOBI03

Lab Code: CHEM | Case no.: Q1984 | Sas No.: Q1984 | SDG No.: Q1984

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 | |
| PB167960BL | PB167960BL | 1531 | 102 | | 102 | | 105 | | 102 | | 102 | |
| PB167960BS | PB167960BS | 1534 | 99 | | 98 | | 100 | | 93 | | 100 | |
| PB167960TB | PB167960TB | 1537 | 103 | | 101 | | 103 | | 100 | | 103 | |
| Q1984-02 | OU4-PCS-TC- | 1540 | 102 | | 102 | | 109 | | 99 | | 103 | |
| Q1984-04 | OU4-PCS-TC- | 1543 | 102 | | 100 | | 105 | | 96 | | 101 | |
| Q1984-06 | OU4-PCS-TC- | 1546 | 101 | | 100 | | 106 | | 97 | | 101 | |
| Q1984-08 | OU4-TS-24-0 | 1550 | 100 | | 99 | | 112 | | 96 | | 103 | |
| Q1984-10 | OU4-TS-25-0 | 1553 | 98 | | 99 | | 104 | | 96 | | 101 | |
| Q1984-12 | OU4-TS-26-0 | 1556 | 100 | | 100 | | 107 | | 96 | | 102 | |
| CCV02 | CCV02 | 1559 | 89 | | 89 | | 93 | | 82 | | 94 | |
| CCB02 | CCB02 | 1605 | 101 | | 101 | | 100 | | 99 | | 101 | |
| Q1984-14 | OU4-TS-27-0 | 1609 | 103 | | 100 | | 107 | | 97 | | 102 | |
| Q1984-16 | OU4-TS-28-0 | 1612 | 102 | | 101 | | 119 | | 96 | | 104 | |
| Q1984-16DUP | OU4-TS-28-0 | 1615 | 103 | | 100 | | 116 | | 96 | | 104 | |
| Q1984-16L | OU4-TS-28-0 | 1618 | 101 | | 99 | | 116 | | 97 | | 102 | |
| Q1984-16MS | OU4-TS-28-0 | 1622 | 100 | | 99 | | 115 | | 95 | | 102 | |
| Q1984-16MSD | OU4-TS-28-0 | 1624 | 98 | | 98 | | 115 | | 94 | | 102 | |
| Q1984-16A | OU4-TS-28-0 | 1627 | 98 | | 97 | | 115 | | 95 | | 102 | |
| ZZZZZZ | ZZZZZZ | 1645 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1649 | | | | | | | | | | |

Internal Standard %RI Limit: 30 - 120

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group | Contract: NOBI03

Lab Code: CHEM | Case no.: Q1984 | Sas No.: Q1984 | SDG No.: Q1984

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 |
| ZZZZZZ | ZZZZZZ | 1654 | | | | | | | | | | |
| CCV03 | CCV03 | 1657 | 89 | | 93 | | 96 | | 85 | | 98 | |
| CCB03 | CCB03 | 1728 | 99 | | 99 | | 102 | | 99 | | 104 | |

Internal Standard %RI Limit: 30 - 120

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group | Contract: NOBI03

Lab Code: CHEM | Case no.: Q1984 | Sas No.: Q1984 | SDG No.: Q1984

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 | |
| PB167960BL | PB167960BL | 1531 | 103 | | 105 | | 105 | | 102 | | 103 | |
| PB167960BS | PB167960BS | 1534 | 98 | | 96 | | 92 | | 97 | | 100 | |
| PB167960TB | PB167960TB | 1537 | 101 | | 102 | | 102 | | 100 | | 102 | |
| Q1984-02 | OU4-PCS-TC- | 1540 | 99 | | 105 | | 98 | | 100 | | 103 | |
| Q1984-04 | OU4-PCS-TC- | 1543 | 98 | | 103 | | 96 | | 98 | | 100 | |
| Q1984-06 | OU4-PCS-TC- | 1546 | 98 | | 103 | | 96 | | 98 | | 99 | |
| Q1984-08 | OU4-TS-24-0 | 1550 | 98 | | 107 | | 96 | | 98 | | 99 | |
| Q1984-10 | OU4-TS-25-0 | 1553 | 97 | | 103 | | 96 | | 98 | | 99 | |
| Q1984-12 | OU4-TS-26-0 | 1556 | 98 | | 103 | | 97 | | 99 | | 100 | |
| CCV02 | CCV02 | 1559 | 91 | | 91 | | 82 | | 91 | | 93 | |
| CCB02 | CCB02 | 1605 | 98 | | 99 | | 99 | | 98 | | 100 | |
| Q1984-14 | OU4-TS-27-0 | 1609 | 98 | | 102 | | 96 | | 99 | | 100 | |
| Q1984-16 | OU4-TS-28-0 | 1612 | 96 | | 109 | | 94 | | 96 | | 98 | |
| Q1984-16DUP | OU4-TS-28-0 | 1615 | 97 | | 110 | | 95 | | 97 | | 99 | |
| Q1984-16L | OU4-TS-28-0 | 1618 | 93 | | 107 | | 92 | | 94 | | 97 | |
| Q1984-16MS | OU4-TS-28-0 | 1622 | 96 | | 109 | | 94 | | 96 | | 99 | |
| Q1984-16MSD | OU4-TS-28-0 | 1624 | 96 | | 110 | | 94 | | 96 | | 97 | |
| Q1984-16A | OU4-TS-28-0 | 1627 | 97 | | 110 | | 94 | | 97 | | 99 | |
| ZZZZZZ | ZZZZZZ | 1645 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1649 | | | | | | | | | | |

Internal Standard %RI Limit: 30 - 120

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group | Contract: NOBI03

Lab Code: CHEM | Case no.: Q1984 | Sas No.: Q1984 | SDG No.: Q1984

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 |
| ZZZZZZ | ZZZZZZ | 1654 | | | | | | | | | | |
| CCV03 | CCV03 | 1657 | 97 | | 97 | | 88 | | 96 | | 98 | |
| CCB03 | CCB03 | 1728 | 98 | | 99 | | 100 | | 98 | | 100 | |

Internal Standard %RI Limit: 30 - 120

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group | Contract: NOBI03

Lab Code: CHEM | Case no.: Q1984 | Sas No.: Q1984 | SDG No.: Q1984

Instrument ID: P8 | Start Date : 05/22/2025

Run Number: LB135893 | End Date : 05/22/2025

| 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 | 1227 | 100 | | 100 | | 100 | | 100 | | 100 | |
| S2 | S2 | 1230 | 101 | | 101 | | 102 | | 101 | | 100 | |
| S3 | S3 | 1237 | 99 | | 102 | | 103 | | 100 | | 102 | |
| S4 | S4 | 1241 | 98 | | 98 | | 102 | | 97 | | 101 | |
| S5 | S5 | 1244 | 95 | | 94 | | 100 | | 94 | | 100 | |
| S6 | S6 | 1248 | 93 | | 93 | | 97 | | 90 | | 100 | |
| S7 | S7 | 1250 | 89 | | 90 | | 95 | | 87 | | 97 | |
| S8 | S8 | 1253 | 82 | | 87 | | 91 | | 80 | | 93 | |
| ICV01 | ICV01 | 1326 | 97 | | 96 | | 100 | | 98 | | 100 | |
| LLICV01 | LLICV01 | 1333 | 95 | | 94 | | 97 | | 96 | | 98 | |
| ICB01 | ICB01 | 1340 | 95 | | 96 | | 98 | | 96 | | 98 | |
| ICSA01 | ICSA01 | 1344 | 89 | | 90 | | 94 | | 88 | | 95 | |
| ICSAB01 | ICSAB01 | 1347 | 88 | | 91 | | 95 | | 88 | | 95 | |
| CCV01 | CCV01 | 1350 | 83 | | 88 | | 92 | | 82 | | 94 | |
| CCB01 | CCB01 | 1354 | 91 | | 93 | | 97 | | 93 | | 97 | |
| CRI | CRI | 1401 | 93 | | 93 | | 97 | | 93 | | 98 | |
| Q1984-16 | OU4-TS-28-01 | 1405 | 93 | | 94 | | 113 | | 92 | | 98 | |
| Q1984-16DUP | OU4-TS-28-01 | 1408 | 92 | | 91 | | 111 | | 93 | | 97 | |
| Q1984-16L | OU4-TS-28-01 | 1411 | 91 | | 91 | | 99 | | 94 | | 96 | |
| Q1984-16MS | OU4-TS-28-01 | 1415 | 91 | | 93 | | 112 | | 91 | | 98 | |
| Q1984-16MSD | OU4-TS-28-01 | 1418 | 91 | | 94 | | 112 | | 92 | | 99 | |
| Q1984-16A | OU4-TS-28-01 | 1421 | 90 | | 95 | | 112 | | 91 | | 98 | |
| CCV02 | CCV02 | 1424 | 83 | | 88 | | 90 | | 82 | | 92 | |
| CCB02 | CCB02 | 1432 | 93 | | 94 | | 99 | | 95 | | 99 | |

Internal Standard %RI Limit: 30 - 120

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group | Contract: NOBI03

Lab Code: CHEM | Case no.: Q1984 | Sas No.: Q1984 | SDG No.: Q1984

Instrument ID: P8 | Start Date : 05/22/2025

Run Number: LB135893 | End Date : 05/22/2025

| 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 | 1227 | 100 | | 100 | | 100 | | 100 | | 100 | |
| S2 | S2 | 1230 | 103 | | 102 | | 100 | | 103 | | 101 | |
| S3 | S3 | 1237 | 100 | | 100 | | 100 | | 102 | | 101 | |
| S4 | S4 | 1241 | 97 | | 97 | | 95 | | 101 | | 98 | |
| S5 | S5 | 1244 | 95 | | 95 | | 93 | | 99 | | 100 | |
| S6 | S6 | 1248 | 92 | | 92 | | 90 | | 95 | | 97 | |
| S7 | S7 | 1250 | 92 | | 90 | | 85 | | 95 | | 94 | |
| S8 | S8 | 1253 | 85 | | 86 | | 78 | | 92 | | 92 | |
| ICV01 | ICV01 | 1326 | 98 | | 98 | | 97 | | 101 | | 100 | |
| LLICV01 | LLICV01 | 1333 | 97 | | 96 | | 96 | | 99 | | 97 | |
| ICB01 | ICB01 | 1340 | 96 | | 95 | | 95 | | 97 | | 97 | |
| ICSA01 | ICSA01 | 1344 | 90 | | 90 | | 85 | | 95 | | 93 | |
| ICSAB01 | ICSAB01 | 1347 | 94 | | 95 | | 88 | | 98 | | 97 | |
| CCV01 | CCV01 | 1350 | 88 | | 88 | | 82 | | 92 | | 93 | |
| CCB01 | CCB01 | 1354 | 92 | | 93 | | 95 | | 97 | | 96 | |
| CRI | CRI | 1401 | 92 | | 92 | | 93 | | 95 | | 96 | |
| Q1984-16 | OU4-TS-28-01 | 1405 | 89 | | 104 | | 89 | | 94 | | 95 | |
| Q1984-16DUP | OU4-TS-28-01 | 1408 | 89 | | 104 | | 88 | | 93 | | 94 | |
| Q1984-16L | OU4-TS-28-01 | 1411 | 91 | | 94 | | 92 | | 93 | | 93 | |
| Q1984-16MS | OU4-TS-28-01 | 1415 | 91 | | 105 | | 89 | | 95 | | 95 | |
| Q1984-16MSD | OU4-TS-28-01 | 1418 | 92 | | 105 | | 90 | | 96 | | 96 | |
| Q1984-16A | OU4-TS-28-01 | 1421 | 91 | | 105 | | 89 | | 96 | | 95 | |
| CCV02 | CCV02 | 1424 | 90 | | 90 | | 83 | | 93 | | 93 | |
| CCB02 | CCB02 | 1432 | 91 | | 90 | | 91 | | 93 | | 93 | |

Internal Standard %RI Limit: 30 - 120

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Nobis Group Contract: NOBI03

Lab Code: CHEM Case no.: Q1984 Sas No.: Q1984 SDG No.: Q1984

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 |
| 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 | | | | | | | |
| PB167960BL | PB167960BL | 1531 | 104 | | 102 | | | | | | | |
| PB167960BS | PB167960BS | 1534 | 102 | | 97 | | | | | | | |
| PB167960TB | PB167960TB | 1537 | 105 | | 104 | | | | | | | |
| Q1984-02 | OU4-PCS-TC-3 | 1540 | 107 | | 103 | | | | | | | |
| Q1984-04 | OU4-PCS-TC-3 | 1543 | 103 | | 100 | | | | | | | |
| Q1984-06 | OU4-PCS-TC-3 | 1546 | 104 | | 100 | | | | | | | |
| Q1984-08 | OU4-TS-24-05 | 1550 | 104 | | 102 | | | | | | | |
| Q1984-10 | OU4-TS-25-05 | 1553 | 103 | | 101 | | | | | | | |
| Q1984-12 | OU4-TS-26-05 | 1556 | 104 | | 102 | | | | | | | |
| CCV02 | CCV02 | 1559 | 98 | | 88 | | | | | | | |
| CCB02 | CCB02 | 1605 | 103 | | 105 | | | | | | | |
| Q1984-14 | OU4-TS-27-05 | 1609 | 105 | | 102 | | | | | | | |
| Q1984-16 | OU4-TS-28-05 | 1612 | 105 | | 103 | | | | | | | |
| Q1984-16DUP | OU4-TS-28-05 | 1615 | 106 | | 102 | | | | | | | |
| Q1984-16L | OU4-TS-28-05 | 1618 | 106 | | 102 | | | | | | | |
| Q1984-16MS | OU4-TS-28-05 | 1622 | 104 | | 101 | | | | | | | |
| Q1984-16MSD | OU4-TS-28-05 | 1624 | 105 | | 101 | | | | | | | |
| Q1984-16A | OU4-TS-28-05 | 1627 | 106 | | 101 | | | | | | | |

Internal Standard %RI Limit: 30 -120

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Nobis Group Contract: NOBI03

Lab Code: CHEM Case no.: Q1984 Sas No.: Q1984 SDG No.: Q1984

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 |
| ZZZZZZ | ZZZZZZ | 1645 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1649 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1654 | | | | | | | | | | |
| CCV03 | CCV03 | 1657 | 98 | | 91 | | | | | | | |
| CCB03 | CCB03 | 1728 | 105 | | 105 | | | | | | | |

Internal Standard %RI Limit: 30 -120

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Nobis Group | Contract: NOBI03

Lab Code: CHEM | Case no.: Q1984 | Sas No.: Q1984 | SDG No.: Q1984

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 | | | | | | | | | |
| PB167960BL | PB167960BL | 1531 | 101 | | | | | | | | | |
| PB167960BS | PB167960BS | 1534 | 93 | | | | | | | | | |
| PB167960TB | PB167960TB | 1537 | 100 | | | | | | | | | |
| Q1984-02 | OU4-PCS-TC-3 | 1540 | 98 | | | | | | | | | |
| Q1984-04 | OU4-PCS-TC-3 | 1543 | 96 | | | | | | | | | |
| Q1984-06 | OU4-PCS-TC-3 | 1546 | 97 | | | | | | | | | |
| Q1984-08 | OU4-TS-24-05 | 1550 | 96 | | | | | | | | | |
| Q1984-10 | OU4-TS-25-05 | 1553 | 95 | | | | | | | | | |
| Q1984-12 | OU4-TS-26-05 | 1556 | 96 | | | | | | | | | |
| CCV02 | CCV02 | 1559 | 82 | | | | | | | | | |
| CCB02 | CCB02 | 1605 | 98 | | | | | | | | | |
| Q1984-14 | OU4-TS-27-05 | 1609 | 95 | | | | | | | | | |
| Q1984-16 | OU4-TS-28-05 | 1612 | 94 | | | | | | | | | |
| Q1984-16DUP | OU4-TS-28-05 | 1615 | 94 | | | | | | | | | |
| Q1984-16L | OU4-TS-28-05 | 1618 | 91 | | | | | | | | | |
| Q1984-16MS | OU4-TS-28-05 | 1622 | 92 | | | | | | | | | |
| Q1984-16MSD | OU4-TS-28-05 | 1624 | 93 | | | | | | | | | |
| Q1984-16A | OU4-TS-28-05 | 1627 | 93 | | | | | | | | | |

Internal Standard %RI Limit: 30 -120

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Nobis Group Contract: NOBI03

Lab Code: CHEM Case no.: Q1984 Sas No.: Q1984 SDG No.: Q1984

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 |
| ZZZZZZ | ZZZZZZ | 1645 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1649 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1654 | | | | | | | | | | |
| CCV03 | CCV03 | 1657 | 88 | | | | | | | | | |
| CCB03 | CCB03 | 1728 | 99 | | | | | | | | | |

Internal Standard %RI Limit: 30 -120

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Nobis Group Contract: NOBI03

Lab Code: CHEM Case no.: Q1984 Sas No.: Q1984 SDG No.: Q1984

Instrument ID: P8 Start Date : 05/22/2025

Run Number: LB135893 End Date : 05/22/2025

| 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 | 1227 | 100 | | 100 | | | | | | | |
| S2 | S2 | 1230 | 101 | | 98 | | | | | | | |
| S3 | S3 | 1237 | 100 | | 101 | | | | | | | |
| S4 | S4 | 1241 | 102 | | 101 | | | | | | | |
| S5 | S5 | 1244 | 103 | | 99 | | | | | | | |
| S6 | S6 | 1248 | 100 | | 98 | | | | | | | |
| S7 | S7 | 1250 | 100 | | 95 | | | | | | | |
| S8 | S8 | 1253 | 96 | | 87 | | | | | | | |
| ICV01 | ICV01 | 1326 | 101 | | 100 | | | | | | | |
| LLICV01 | LLICV01 | 1333 | 98 | | 97 | | | | | | | |
| ICB01 | ICB01 | 1340 | 97 | | 97 | | | | | | | |
| ICSA01 | ICSA01 | 1344 | 96 | | 91 | | | | | | | |
| ICSAB01 | ICSAB01 | 1347 | 96 | | 91 | | | | | | | |
| CCV01 | CCV01 | 1350 | 96 | | 88 | | | | | | | |
| CCB01 | CCB01 | 1354 | 97 | | 98 | | | | | | | |
| CRI | CRI | 1401 | 98 | | 97 | | | | | | | |
| Q1984-16 | OU4-TS-28-05 | 1405 | 99 | | 97 | | | | | | | |
| Q1984-16DUP | OU4-TS-28-05 | 1408 | 98 | | 97 | | | | | | | |
| Q1984-16L | OU4-TS-28-05 | 1411 | 99 | | 98 | | | | | | | |
| Q1984-16MS | OU4-TS-28-05 | 1415 | 99 | | 95 | | | | | | | |
| Q1984-16MSD | OU4-TS-28-05 | 1418 | 99 | | 96 | | | | | | | |
| Q1984-16A | OU4-TS-28-05 | 1421 | 98 | | 96 | | | | | | | |
| CCV02 | CCV02 | 1424 | 94 | | 88 | | | | | | | |
| CCB02 | CCB02 | 1432 | 100 | | 100 | | | | | | | |

Internal Standard %RI Limit: 30 -120

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Nobis Group | Contract: NOBI03

Lab Code: CHEM | Case no.: Q1984 | Sas No.: Q1984 | SDG No.: Q1984

Instrument ID: P8 | Start Date : 05/22/2025

Run Number: LB135893 | End Date : 05/22/2025

| Lab SampleID | Client SampleID | Time | Internal Standard %RI For: Collision Cell | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Element 209Bi | Q | Element | Q | Element | Q | Element | Q | Element | Q |
| S0 | S0 | 1227 | 100 | | | | | | | | | |
| S2 | S2 | 1230 | 100 | | | | | | | | | |
| S3 | S3 | 1237 | 101 | | | | | | | | | |
| S4 | S4 | 1241 | 98 | | | | | | | | | |
| S5 | S5 | 1244 | 97 | | | | | | | | | |
| S6 | S6 | 1248 | 93 | | | | | | | | | |
| S7 | S7 | 1250 | 89 | | | | | | | | | |
| S8 | S8 | 1253 | 82 | | | | | | | | | |
| ICV01 | ICV01 | 1326 | 101 | | | | | | | | | |
| LLICV01 | LLICV01 | 1333 | 98 | | | | | | | | | |
| ICB01 | ICB01 | 1340 | 98 | | | | | | | | | |
| ICSA01 | ICSA01 | 1344 | 89 | | | | | | | | | |
| ICSAB01 | ICSAB01 | 1347 | 92 | | | | | | | | | |
| CCV01 | CCV01 | 1350 | 85 | | | | | | | | | |
| CCB01 | CCB01 | 1354 | 97 | | | | | | | | | |
| CRI | CRI | 1401 | 96 | | | | | | | | | |
| Q1984-16 | OU4-TS-28-05 | 1405 | 92 | | | | | | | | | |
| Q1984-16DUP | OU4-TS-28-05 | 1408 | 92 | | | | | | | | | |
| Q1984-16L | OU4-TS-28-05 | 1411 | 94 | | | | | | | | | |
| Q1984-16MS | OU4-TS-28-05 | 1415 | 92 | | | | | | | | | |
| Q1984-16MSD | OU4-TS-28-05 | 1418 | 93 | | | | | | | | | |
| Q1984-16A | OU4-TS-28-05 | 1421 | 93 | | | | | | | | | |
| CCV02 | CCV02 | 1424 | 86 | | | | | | | | | |
| CCB02 | CCB02 | 1432 | 94 | | | | | | | | | |

Internal Standard %RI Limit: 30 -120

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# Metals

## -9 -

## ICP SERIAL DILUTIONS

SAMPLE NO.

OU4-TS-28-050725L

**Lab Name:** Chemtech Consulting Group **Contract:** NOBI03

**Lab Code:** CHEM **Lb No.:** lb135893 **Lab Sample ID :** Q1984-16L **SDG No.:** Q1984

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

**Concentration Units:** ug/L

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | M |
|---|---|---|---|---|---|---|---|
| Antimony | 10.0 | UD | 50.0 | UD | | | P |
| Arsenic | 24.5 | D | 28.0 | D | 15 | | P |
| Barium | 114 | D | 120 | JD | 4 | | P |
| Beryllium | 13.6 | D | 14.5 | JD | 7 | | P |
| Cadmium | 9.85 | D | 25.0 | UD | 29 | | P |
| Chromium | 41.9 | D | 41.8 | JD | 0 | | P |
| Copper | 298 | D | 303 | D | 2 | | P |
| Lead | 35.6 | D | 36.8 | D | 3 | | P |
| Nickel | 234 | D | 241 | D | 3 | | P |
| Mercury | 0.20 | U | 1.00 | U | | | CV |
| Selenium | 25.0 | UD | 125 | UD | | | P |
| Silver | 5.00 | UD | 25.0 | UD | | | P |
| Thallium | 0.85 | JD | 25.0 | UD | 18 | | P |
| Vanadium | 69.1 | D | 72.0 | JD | 4 | | P |
| Zinc | 1810 | D | 1840 | D | 2 | | P |

# METAL PREPARATION & INSTRUMENT DATA

# METAL PREPARATION & ANALYICAL SUMMARY

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# Metals
## - 13 -
## SAMPLE PREPARATION SUMMARY

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Method:**

**Case No.:** Q1984 **SAS No.:** Q1984

| Sample ID | Client ID | Sample Type | Matrix | Prep Date | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|---|---|---|---|---|---|---|---|
| **Batch Number:** | **PB167960** | | | | | | |
| PB167960BL | PB167960BL | MB | WATER | 05/12/2025 | 50.0 | 50.0 | |
| PB167960BS | PB167960BS | LCS | WATER | 05/12/2025 | 50.0 | 50.0 | |
| PB167960TB | PB167960TB | MB | WATER | 05/12/2025 | 50.0 | 50.0 | |
| Q1984-02 | OU4-PCS-TC-33-050725 | SAM | WATER | 05/12/2025 | 50.0 | 50.0 | |
| Q1984-04 | OU4-PCS-TC-34-050725 | SAM | WATER | 05/12/2025 | 50.0 | 50.0 | |
| Q1984-06 | OU4-PCS-TC-35-050725 | SAM | WATER | 05/12/2025 | 50.0 | 50.0 | |
| Q1984-08 | OU4-TS-24-050725 | SAM | WATER | 05/12/2025 | 50.0 | 50.0 | |
| Q1984-10 | OU4-TS-25-050725 | SAM | WATER | 05/12/2025 | 50.0 | 50.0 | |
| Q1984-12 | OU4-TS-26-050725 | SAM | WATER | 05/12/2025 | 50.0 | 50.0 | |
| Q1984-14 | OU4-TS-27-050725 | SAM | WATER | 05/12/2025 | 50.0 | 50.0 | |
| Q1984-16 | OU4-TS-28-050725 | SAM | WATER | 05/12/2025 | 50.0 | 50.0 | |
| Q1984-16DUP | OU4-TS-28-050725DUP | DUP | WATER | 05/12/2025 | 50.0 | 50.0 | |
| Q1984-16MS | OU4-TS-28-050725MS | MS | WATER | 05/12/2025 | 50.0 | 50.0 | |
| Q1984-16MSD | OU4-TS-28-050725MSD | MSD | WATER | 05/12/2025 | 50.0 | 50.0 | |

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# Metals
## - 13 -
## SAMPLE PREPARATION SUMMARY

**Client:** Nobis Group **SDG No.:** Q1984

**Contract:** NOBI03 **Lab Code:** CHEM **Method:**

**Case No.:** Q1984 **SAS No.:** Q1984

| Sample ID | Client ID | Sample Type | Matrix | Prep Date | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|---|---|---|---|---|---|---|---|
| **Batch Number:** | **PB167978** | | | | | | |
| PB167978BL | PB167978BL | MB | WATER | 05/13/2025 | 30.0 | 30.0 | |
| PB167978BS | PB167978BS | LCS | WATER | 05/13/2025 | 30.0 | 30.0 | |
| PB167978TB | PB167978TB | MB | WATER | 05/13/2025 | 30.0 | 30.0 | |
| Q1984-02 | OU4-PCS-TC-33-050725 | SAM | WATER | 05/13/2025 | 30.0 | 30.0 | |
| Q1984-04 | OU4-PCS-TC-34-050725 | SAM | WATER | 05/13/2025 | 30.0 | 30.0 | |
| Q1984-06 | OU4-PCS-TC-35-050725 | SAM | WATER | 05/13/2025 | 30.0 | 30.0 | |
| Q1984-08 | OU4-TS-24-050725 | SAM | WATER | 05/13/2025 | 30.0 | 30.0 | |
| Q1984-10 | OU4-TS-25-050725 | SAM | WATER | 05/13/2025 | 30.0 | 30.0 | |
| Q1984-12 | OU4-TS-26-050725 | SAM | WATER | 05/13/2025 | 30.0 | 30.0 | |
| Q1984-14 | OU4-TS-27-050725 | SAM | WATER | 05/13/2025 | 30.0 | 30.0 | |
| Q1984-16 | OU4-TS-28-050725 | SAM | WATER | 05/13/2025 | 30.0 | 30.0 | |
| Q1984-16DUP | OU4-TS-28-050725DUP | DUP | WATER | 05/13/2025 | 30.0 | 30.0 | |
| Q1984-16MS | OU4-TS-28-050725MS | MS | WATER | 05/13/2025 | 30.0 | 30.0 | |
| Q1984-16MSD | OU4-TS-28-050725MSD | MSD | WATER | 05/13/2025 | 30.0 | 30.0 | |

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**metals**
**- 14 -**
**ANALYSIS RUN LOG**

**Client:** Nobis Group **Contract:** NOBI03

**Lab code:** CHEM **Case no.:** Q1984 **Sas no.:** Q1984 **Sdg no.:** Q1984

**Instrument id number:** **Method:** **Run number:** LB135763

**Start date:** 05/14/2025 **End date:** 05/14/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 1127 | HG |
| S0.2 | S0.2 | 1 | 1130 | HG |
| S2.5 | S2.5 | 1 | 1132 | HG |
| S5 | S5 | 1 | 1134 | HG |
| S7.5 | S7.5 | 1 | 1136 | HG |
| S10 | S10 | 1 | 1139 | HG |
| ICV08 | ICV08 | 1 | 1142 | HG |
| ICB08 | ICB08 | 1 | 1144 | HG |
| CCV22 | CCV22 | 1 | 1146 | HG |
| CCB22 | CCB22 | 1 | 1151 | HG |
| CRA | CRA | 1 | 1154 | HG |
| PB167978BL | PB167978BL | 1 | 1203 | HG |
| PB167978BS | PB167978BS | 1 | 1205 | HG |
| Q1984-02 | OU4-PCS-TC-33-050725 | 1 | 1208 | HG |
| Q1984-04 | OU4-PCS-TC-34-050725 | 1 | 1210 | HG |
| Q1984-06 | OU4-PCS-TC-35-050725 | 1 | 1212 | HG |
| Q1984-08 | OU4-TS-24-050725 | 1 | 1215 | HG |
| Q1984-10 | OU4-TS-25-050725 | 1 | 1217 | HG |
| CCV23 | CCV23 | 1 | 1224 | HG |
| CCB23 | CCB23 | 1 | 1226 | HG |
| Q1984-12 | OU4-TS-26-050725 | 1 | 1229 | HG |
| Q1984-14 | OU4-TS-27-050725 | 1 | 1231 | HG |
| Q1984-16 | OU4-TS-28-050725 | 1 | 1233 | HG |
| Q1984-16DUP | OU4-TS-28-050725DUP | 1 | 1235 | HG |
| Q1984-16MS | OU4-TS-28-050725MS | 1 | 1238 | HG |
| Q1984-16MSD | OU4-TS-28-050725MSD | 1 | 1240 | HG |
| CCV24 | CCV24 | 1 | 1251 | HG |
| CCB24 | CCB24 | 1 | 1254 | HG |
| CCV25 | CCV25 | 1 | 1328 | HG |
| CCB25 | CCB25 | 1 | 1330 | HG |
| CCV26 | CCV26 | 1 | 1355 | HG |
| CCB26 | CCB26 | 1 | 1357 | HG |
| CCV27 | CCV27 | 1 | 1423 | HG |
| CCB27 | CCB27 | 1 | 1425 | HG |
| PB167978TB | PB167978TB | 1 | 1434 | HG |
| CCV28 | CCV28 | 1 | 1439 | HG |
| CCB28 | CCB28 | 1 | 1441 | HG |
| Q1984-16L | OU4-TS-28-050725L | 5 | 1443 | HG |
| Q1984-16A | OU4-TS-28-050725A | 1 | 1445 | HG |
| CCV29 | CCV29 | 1 | 1457 | HG |
| CCB29 | CCB29 | 1 | 1459 | HG |

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**metals**
**- 14 -**
**ANALYSIS RUN LOG**

**Client:** Nobis Group **Contract:** NOBI03

**Lab code:** CHEM **Case no.:** Q1984 **Sas no.:** Q1984 **Sdg no.:** Q1984

**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,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| S2 | S2 | 1 | 1400 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| S3 | S3 | 1 | 1403 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| S4 | S4 | 1 | 1407 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| S5 | S5 | 1 | 1409 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| S6 | S6 | 1 | 1412 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| S7 | S7 | 1 | 1415 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| S8 | S8 | 1 | 1418 | , |
| ICV01 | ICV01 | 1 | 1430 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| LLICV01 | LLICV01 | 1 | 1433 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICB01 | ICB01 | 1 | 1437 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSA01 | ICSA01 | 1 | 1440 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSAB01 | ICSAB01 | 1 | 1443 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV01 | CCV01 | 1 | 1451 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB01 | CCB01 | 1 | 1457 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| CRI | CRI | 1 | 1500 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB167960BL | PB167960BL | 1 | 1531 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB167960BS | PB167960BS | 1 | 1534 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB167960TB | PB167960TB | 1 | 1537 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1984-02 | OU4-PCS-TC-33-050725 | 5 | 1540 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1984-04 | OU4-PCS-TC-34-050725 | 5 | 1543 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1984-06 | OU4-PCS-TC-35-050725 | 5 | 1546 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1984-08 | OU4-TS-24-050725 | 5 | 1550 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1984-10 | OU4-TS-25-050725 | 5 | 1553 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1984-12 | OU4-TS-26-050725 | 5 | 1556 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV02 | CCV02 | 1 | 1559 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB02 | CCB02 | 1 | 1605 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1984-14 | OU4-TS-27-050725 | 5 | 1609 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV03 | CCV03 | 1 | 1657 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB03 | CCB03 | 1 | 1728 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV04 | CCV04 | 1 | 1804 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB04 | CCB04 | 1 | 1816 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |

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**metals**
**- 14 -**
**ANALYSIS RUN LOG**

**Client:** Nobis Group **Contract:** NOBI03

**Lab code:** CHEM **Case no.:** Q1984 **Sas no.:** Q1984 **Sdg no.:** Q1984

**Instrument id number:** **Method:** **Run number:** LB135893

**Start date:** 05/22/2025 **End date:** 05/22/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 1227 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| S2 | S2 | 1 | 1230 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| S3 | S3 | 1 | 1237 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| S4 | S4 | 1 | 1241 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| S5 | S5 | 1 | 1244 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| S6 | S6 | 1 | 1248 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| S7 | S7 | 1 | 1250 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| S8 | S8 | 1 | 1253 | , |
| ICV01 | ICV01 | 1 | 1326 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| LLICV01 | LLICV01 | 1 | 1333 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICB01 | ICB01 | 1 | 1340 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSA01 | ICSA01 | 1 | 1344 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSAB01 | ICSAB01 | 1 | 1347 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV01 | CCV01 | 1 | 1350 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB01 | CCB01 | 1 | 1354 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| CRI | CRI | 1 | 1401 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1984-16 | OU4-TS-28-050725 | 5 | 1405 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1984-16DUP | OU4-TS-28-050725DUP | 5 | 1408 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1984-16L | OU4-TS-28-050725L | 25 | 1411 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1984-16MS | OU4-TS-28-050725MS | 5 | 1415 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1984-16MSD | OU4-TS-28-050725MSD | 5 | 1418 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1984-16A | OU4-TS-28-050725A | 5 | 1421 | Ag,As |
| CCV02 | CCV02 | 1 | 1424 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB02 | CCB02 | 1 | 1432 | Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn |

# METAL
# RAW DATA

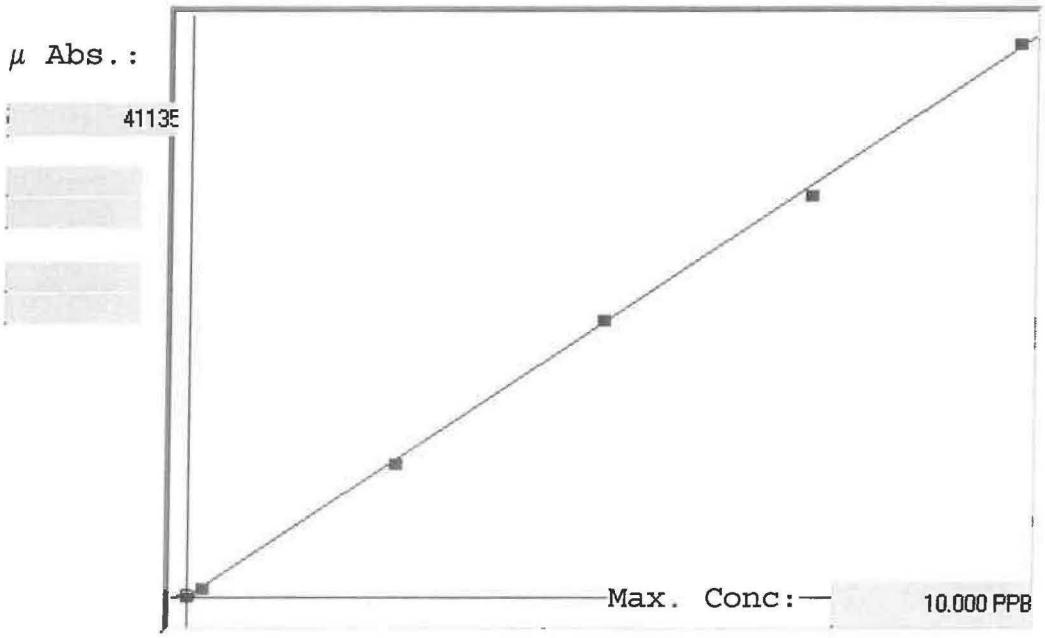
Reviewed By:jaswal
On:5/15/2025 1:45:56 PM
Inst Id :CV1
LB :LB135763

LB135763

7470A

INSTRUMENT ID: CV1

Linear




| | |
|---|---|
| A= | 0.0000e+000 |
| B= | 2.4518e-004 |
| C= | 1.9495e-003 |
| Rho= | 0.9997109 |
| Accept= | Accepted |

| Std ID | Conc. | Calc. | Dev. | Mean | SD or %RSD | Rep 1 | Rep 2 | Rep 3 | Rep 4 | Rep 5 | %D |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.000 | 0.048 | 0.048 | 187 | 0.000 | 187 | 0 | | | | |
| 0.2 | 0.200 | 0.180 | -0.020 | 725 | 0.0 % | 725 | | | | | -10 |
| 2.5 | 2.500 | 2.468 | -0.032 | 10059 | 0.0 % | 10059 | | | | | -1 |
| 5.0 | 5.000 | 5.086 | 0.086 | 20735 | 0.0 % | 20735 | | | | | 2 |
| 7.5 | 7.500 | 7.331 | -0.169 | 29893 | 0.0 % | 29893 | | | | | -2 |
| 10.0 | 10.000 | 10.087 | 0.087 | 41135 | 0.0 % | 41135 | | | | | 1 |

Reviewed By:jaswal
On:5/15/2025 1:45:56 PM
Inst Id :CV1
LB :LB135763

# LB135763 INSTRUMENT IDDDDDD : CV1

Method: 7470A Operator: Admin Date of Analysis: 14 May 2025 11:18:17

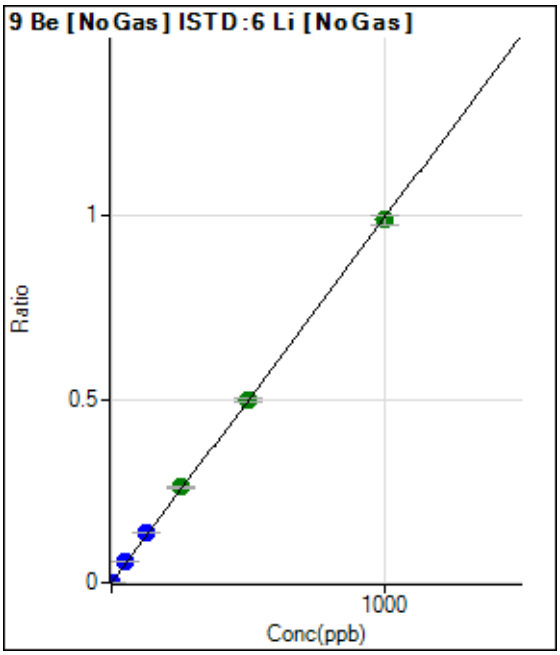
| Sample ID | Extended ID | µ Abs | Conc. | Stnd Conc | Method | Units | Date | Type | Type |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 - 1 | S0 | 187 | - | 0.00000 | 7470A | PPB | 14 May 2025 11:27:45 | S | Std |
| 0.2 - 1 | S0.2 | 725 | - | 0.20000 | 7470A | PPB | 14 May 2025 11:30:02 | S | Std |
| 2.5 - 1 | S2.5 | 10059 | - | 2.50000 | 7470A | PPB | 14 May 2025 11:32:19 | S | Std |
| 5.0 - 1 | S5 | 20735 | - | 5.00000 | 7470A | PPB | 14 May 2025 11:34:36 | S | Std |
| 7.5 - 1 | S7.5 | 29893 | - | 7.50000 | 7470A | PPB | 14 May 2025 11:36:54 | S | Std |
| 10.0 - 1 | S10 | 41135 | - | 10.00000 | 7470A | PPB | 14 May 2025 11:39:12 | S | Std |
| ICV08 - 1 | ICV08 | 15099 | 3.7039 | | 7470A | PPB | 14 May 2025 11:42:26 | U | SMPL |
| ICB08 - 1 | ICB08 | -412 | -0.0991 | | 7470A | PPB | 14 May 2025 11:44:41 | U | SMPL |
| CCV22 - 1 | CCV22 | 20283 | 4.9749 | | 7470A | PPB | 14 May 2025 11:46:59 | U | SMPL |
| CCB22 - 1 | CCB22 | -88 | -0.0196 | | 7470A | PPB | 14 May 2025 11:51:58 | U | SMPL |
| CRA - 1 | CRA | 715 | 0.1773 | | 7470A | PPB | 14 May 2025 11:54:13 | U | SMPL |
| HighStd - 1 | HighStd | 42086 | 10.3206 | | 7470A | PPB | 14 May 2025 11:56:28 | U | SMPL |
| ChkStd - 1 | ChkStd | 28629 | 7.0212 | | 7470A | PPB | 14 May 2025 11:58:44 | U | SMPL |
| PB167978BL - 1 | PBW | 122 | 0.0319 | | 7470A | PPB | 14 May 2025 12:03:42 | U | SMPL |
| PB167978BS - 1 | LCSW | 15053 | 3.6926 | | 7470A | PPB | 14 May 2025 12:05:57 | U | SMPL |
| Q1984-02 - 1 | OU4-PCS-TC-33-050725 | 1077 | 0.2660 | | 7470A | PPB | 14 May 2025 12:08:14 | U | SMPL |
| Q1984-04 - 1 | OU4-PCS-TC-34-050725 | 72 | 0.0196 | | 7470A | PPB | 14 May 2025 12:10:32 | U | SMPL |
| Q1984-06 - 1 | OU4-PCS-TC-35-050725 | 208 | 0.0529 | | 7470A | PPB | 14 May 2025 12:12:52 | U | SMPL |
| Q1984-08 - 1 | OU4-TS-24-050725 | -78 | -0.0172 | | 7470A | PPB | 14 May 2025 12:15:10 | U | SMPL |
| Q1984-10 - 1 | OU4-TS-25-050725 | 12 | 0.0049 | | 7470A | PPB | 14 May 2025 12:17:26 | U | SMPL |
| CCV23 - 1 | CCV23 | 22186 | 5.4415 | | 7470A | PPB | 14 May 2025 12:24:36 | U | SMPL |
| CCB23 - 1 | CCB23 | -370 | -0.0888 | | 7470A | PPB | 14 May 2025 12:26:51 | U | SMPL |
| Q1984-12 - 1 | OU4-TS-26-050725 | -30 | -0.0054 | | 7470A | PPB | 14 May 2025 12:29:09 | U | SMPL |
| Q1984-14 - 1 | OU4-TS-27-050725 | -20 | -0.0030 | | 7470A | PPB | 14 May 2025 12:31:24 | U | SMPL |
| Q1984-16 - 1 | OU4-TS-28-050725 | 78 | 0.0211 | | 7470A | PPB | 14 May 2025 12:33:40 | U | SMPL |
| Q1984-16DUP - 1 | OU4-TS-28-050725DUP | 5 | 0.0032 | | 7470A | PPB | 14 May 2025 12:35:56 | U | SMPL |
| Q1984-16MS - 1 | OU4-TS-28-050725MS | 15325 | 3.7593 | | 7470A | PPB | 14 May 2025 12:38:12 | U | SMPL |
| Q1984-16MSD - 1 | OU4-TS-28-050725MSD | 13098 | 3.2133 | | 7470A | PPB | 14 May 2025 12:40:29 | U | SMPL |
| PB167979BL - 1 | PBW | -220 | -0.0520 | | 7470A | PPB | 14 May 2025 12:42:47 | U | SMPL |
| PB167979BS - 1 | LCSW | 18371 | 4.5061 | | 7470A | PPB | 14 May 2025 12:45:06 | U | SMPL |
| Q2001-03 - 1 | WC-A4-03-C | -291 | -0.0694 | | 7470A | PPB | 14 May 2025 12:47:24 | U | SMPL |
| Q2001-07 - 1 | WC-A1-05-C | -29 | -0.0052 | | 7470A | PPB | 14 May 2025 12:49:42 | U | SMPL |
| CCV24 - 1 | CCV24 | 22434 | 5.5023 | | 7470A | PPB | 14 May 2025 12:51:58 | U | SMPL |
| CCB24 - 1 | CCB24 | -345 | -0.0826 | | 7470A | PPB | 14 May 2025 12:54:13 | U | SMPL |
| Q2001-11 - 1 | WC-A1-06-C | -40 | -0.0079 | | 7470A | PPB | 14 May 2025 12:56:32 | U | SMPL |
| Q2001-15 - 1 | WC-A1-07-C | -24 | -0.0039 | | 7470A | PPB | 14 May 2025 12:58:47 | U | SMPL |
| Q2004-02 - 1 | VNJ-220 | 44 | 0.0127 | | 7470A | PPB | 14 May 2025 13:01:03 | U | SMPL |
| Q2004-04 - 1 | 2811 | 37 | 0.0110 | | 7470A | PPB | 14 May 2025 13:03:19 | U | SMPL |
| Q2004-06 - 1 | R0202 | 27 | 0.0086 | | 7470A | PPB | 14 May 2025 13:05:35 | U | SMPL |
| Q2004-08 - 1 | 205510 | 73 | 0.0198 | | 7470A | PPB | 14 May 2025 13:07:51 | U | SMPL |
| Q2004-10 - 1 | SOIL-STOCK | 91 | 0.0243 | | 7470A | PPB | 14 May 2025 13:10:07 | U | SMPL |
| Q2004-12 - 1 | STONE-STOCK | 64 | 0.0176 | | 7470A | PPB | 14 May 2025 13:12:24 | U | SMPL |
| Q2007-06 - 1 | OR-636-COMP-10 | 137 | 0.0355 | | 7470A | PPB | 14 May 2025 13:14:42 | U | SMPL |
| Q2007-12 - 1 | OR-636-COMP-11 | 104 | 0.0274 | | 7470A | PPB | 14 May 2025 13:16:57 | U | SMPL |
| CCV25 - 1 | CCV25 | 19664 | 4.8232 | | 7470A | PPB | 14 May 2025 13:28:16 | U | SMPL |
| CCB25 - 1 | CCB25 | -320 | -0.0765 | | 7470A | PPB | 14 May 2025 13:30:32 | U | SMPL |
| Q2007-18 - 1 | OR-636-COMP-12 | 20 | 0.0069 | | 7470A | PPB | 14 May 2025 13:32:49 | U | SMPL |
| Q2007-24 - 1 | OR-636-COMP-13 | 14 | 0.0054 | | 7470A | PPB | 14 May 2025 13:35:05 | U | SMPL |
| Q2007-30 - 1 | OR-636-COMP-14 | 86 | 0.0230 | | 7470A | PPB | 14 May 2025 13:37:21 | U | SMPL |
| Q2007-36 - 1 | OR-636-COMP-15 | 114 | 0.0299 | | 7470A | PPB | 14 May 2025 13:39:37 | U | SMPL |
| Q2007-36DUP - 1 | OR-636-COMP-15DUP | 63 | 0.0174 | | 7470A | PPB | 14 May 2025 13:41:56 | U | SMPL |
| Q2007-36MS - 1 | OR-636-COMP-15MS | 14681 | 3.6014 | | 7470A | PPB | 14 May 2025 13:44:14 | U | SMPL |
| Q2007-36MSD - 1 | OR-636-COMP-15MSD | 13236 | 3.2471 | | 7470A | PPB | 14 May 2025 13:46:30 | U | SMPL |
| Q2017-04 - 1 | MH-I | -206 | -0.0486 | | 7470A | PPB | 14 May 2025 13:48:49 | U | SMPL |
| Q2017-08 - 1 | MH-J | 5 | 0.0032 | | 7470A | PPB | 14 May 2025 13:51:08 | U | SMPL |
| PB167980BL - 1 | PBW | 2 | 0.0024 | | 7470A | PPB | 14 May 2025 13:53:24 | U | SMPL |
| CCV26 - 1 | CCV26 | 20973 | 5.1441 | | 7470A | PPB | 14 May 2025 13:55:40 | U | SMPL |
| CCB26 - 1 | CCB26 | -324 | -0.0775 | | 7470A | PPB | 14 May 2025 13:57:56 | U | SMPL |
| PB167980BS - 1 | LCSW | 15143 | 3.7147 | | 7470A | PPB | 14 May 2025 14:00:14 | U | SMPL |
| Q1970-02 - 1 | TRE-25-0057 | 1657 | 0.4082 | | 7470A | PPB | 14 May 2025 14:02:30 | U | SMPL |
| Q1980-01 - 1 | 3834 | -172 | -0.0402 | | 7470A | PPB | 14 May 2025 14:04:47 | U | SMPL |
| Q1980-02 - 1 | 3832 | 215 | 0.0547 | | 7470A | PPB | 14 May 2025 14:07:05 | U | SMPL |
| Q1980-03 - 1 | 3835 | 73 | 0.0198 | | 7470A | PPB | 14 May 2025 14:09:21 | U | SMPL |
| Q1985-01 - 1 | RW8-BW-20250507 | 14 | 0.0054 | | 7470A | PPB | 14 May 2025 14:11:38 | U | SMPL |
| Q1992-01 - 1 | 60453 | 256 | 0.0647 | | 7470A | PPB | 14 May 2025 14:13:55 | U | SMPL |
| Q2005-01 - 1 | 252806 | 2072 | 0.5100 | | 7470A | PPB | 14 May 2025 14:16:12 | U | SMPL |
| Q2008-01 - 1 | IDW-AQ-DRUM-633-05092025 | 326 | 0.0819 | | 7470A | PPB | 14 May 2025 14:18:30 | U | SMPL |
| Q2008-01DUP - 1 | IDW-AQ-DRUM-633-05092025DUP | 205 | 0.0522 | | 7470A | PPB | 14 May 2025 14:20:46 | U | SMPL |
| CCV27 - 1 | CCV27 | 19215 | 4.7131 | | 7470A | PPB | 14 May 2025 14:23:04 | U | SMPL |
| CCB27 - 1 | CCB27 | -212 | -0.0500 | | 7470A | PPB | 14 May 2025 14:25:20 | U | SMPL |
| Q2008-01MS - 1 | IDW-AQ-DRUM-633-05092025MS | 14528 | 3.5639 | | 7470A | PPB | 14 May 2025 14:27:39 | U | SMPL |
| Q2008-01MSD - 1 | IDW-AQ-DRUM-633-05092025MSD | 13267 | 3.2548 | | 7470A | PPB | 14 May 2025 14:29:54 | U | SMPL |
| PB167943TB - 1 | PB167943TB | -298 | -0.0711 | | 7470A | PPB | 14 May 2025 14:32:13 | U | SMPL |
| ~~PB167933TB - 1~~ PB167978TB | ~~PB167933TB~~ PB167978TB | -6 | 0.0005 | | 7470A | PPB | 14 May 2025 14:34:31 | U | SMPL |
| PB167963TB - 1 | PB167963TB | 44 | 0.0127 | | 7470A | PPB | 14 May 2025 14:36:47 | U | SMPL |
| CCV28 - 1 | CCV28 | 19581 | 4.8028 | | 7470A | PPB | 14 May 2025 14:39:04 | U | SMPL |
| CCB28 - 1 | CCB28 | -220 | -0.0520 | | 7470A | PPB | 14 May 2025 14:41:20 | U | SMPL |
| Q1984-16LX5 - 1 | | -19 | -0.0027 | | 7470A | PPB | 14 May 2025 14:43:38 | U | SMPL |
| Q1984-16A - 1 | MB 05/22/25 | 15805 | 3.8770 | | 7470A | PPB | 14 May 2025 14:45:56 | U | SMPL |
| Q2007-36LX5 - 1 | | -191 | -0.0449 | | 7470A | PPB | 14 May 2025 14:48:11 | U | SMPL |
| Q2007-36A - 1 | | 15610 | 3.8292 | | 7470A | PPB | 14 May 2025 14:50:29 | U | SMPL |
| Q2008-01LX5 - 1 | | -83 | -0.0184 | | 7470A | PPB | 14 May 2025 14:52:47 | U | SMPL |
| Q2008-01A - 1 | | 15717 | 3.8554 | | 7470A | PPB | 14 May 2025 14:55:04 | U | SMPL |
| CCV29 - 1 | CCV29 | 21014 | 5.1542 | | 7470A | PPB | 14 May 2025 14:57:20 | U | SMPL |
| CCB29 - 1 | CCB29 | -291 | -0.0694 | | 7470A | PPB | 14 May 2025 14:59:38 | U | SMPL |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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 |

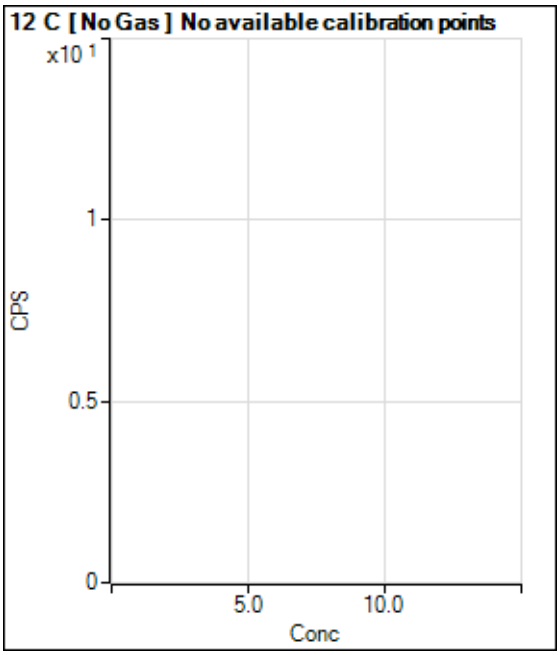
Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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 |

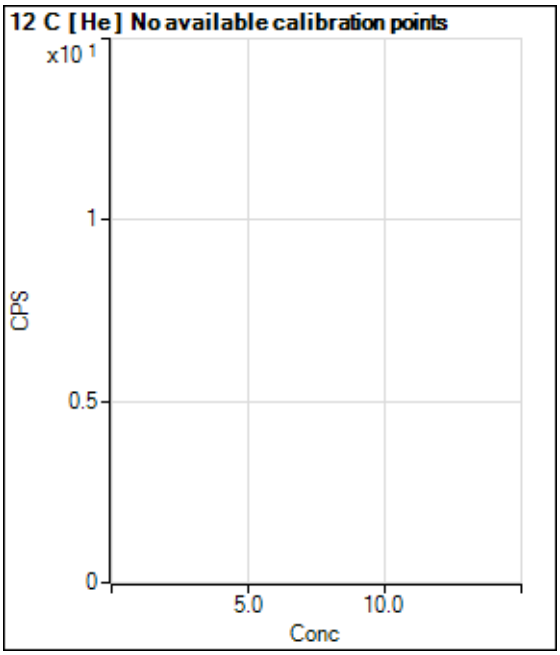
y = 9.9508E-004 * x + 2.2866E-005
R = 0.9999
DL = 0.01002
BEC = 0.02298

Weight: <None>
Min Conc: 0

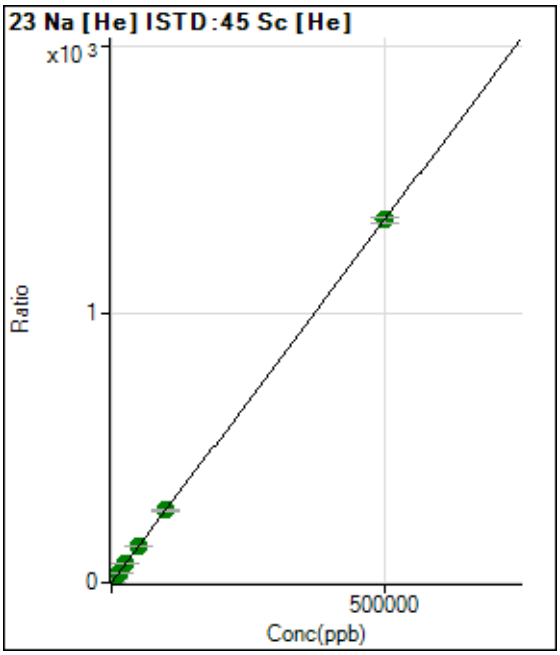



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 3871617.37 | | A | 1.2 |
| 2 | ☐ | | | 3852386.71 | | A | 1.8 |
| 3 | ☐ | | | 3842778.24 | | A | 0.8 |
| 4 | ☐ | | | 3798226.92 | | A | 0.5 |
| 5 | ☐ | | | 3707739.46 | | A | 1.0 |
| 6 | ☐ | | |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

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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 |

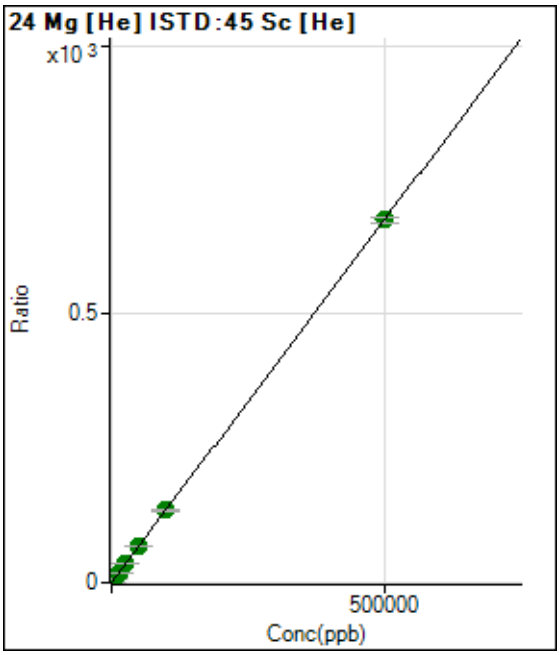



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 28614.76 | 0.1417 | P | 0.6 |
| 2 | ☐ | 500.000 | 499.844 | 304640.53 | 1.4930 | P | 1.6 |
| 3 | ☐ | 5000.000 | 5202.898 | 2828937.91 | 14.2082 | A | 0.5 |
| 4 | ☐ | 12500.000 | 12690.678 | 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

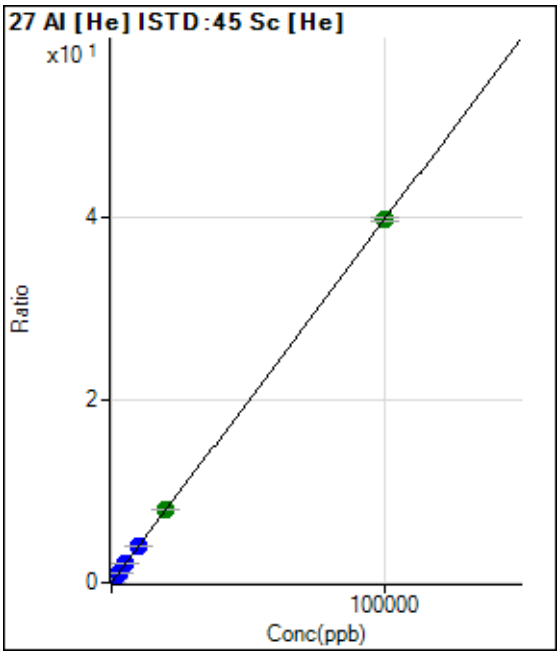
Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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

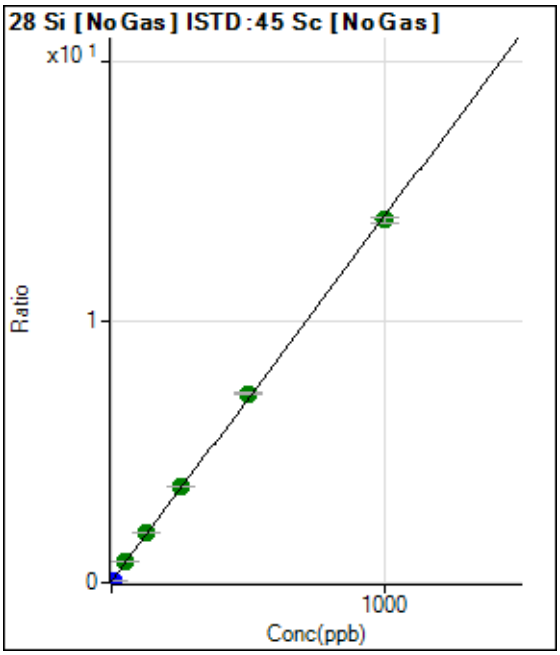



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 156.67 | 0.0008 | P | 8.8 |
| 2 | ☐ | 20.000 | 19.443 | 1737.90 | 0.0085 | P | 2.0 |
| 3 | ☐ | 1000.000 | 1048.624 | 83297.17 | 0.4184 | P | 0.6 |
| 4 | ☐ | 2500.000 | 2588.256 | 202436.71 | 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

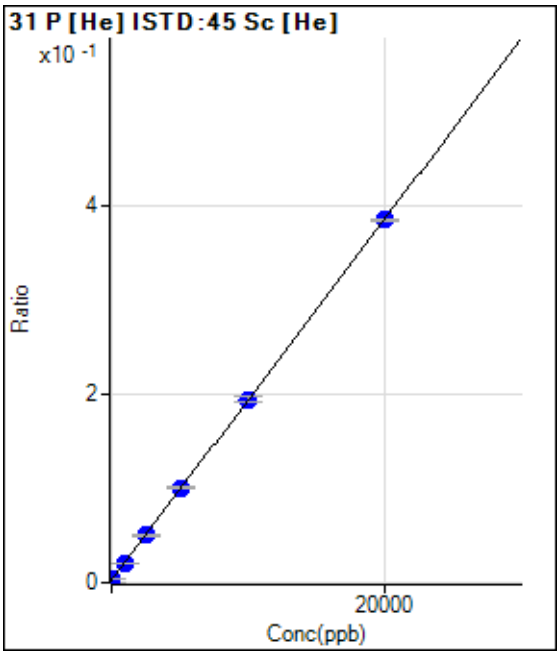
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On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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

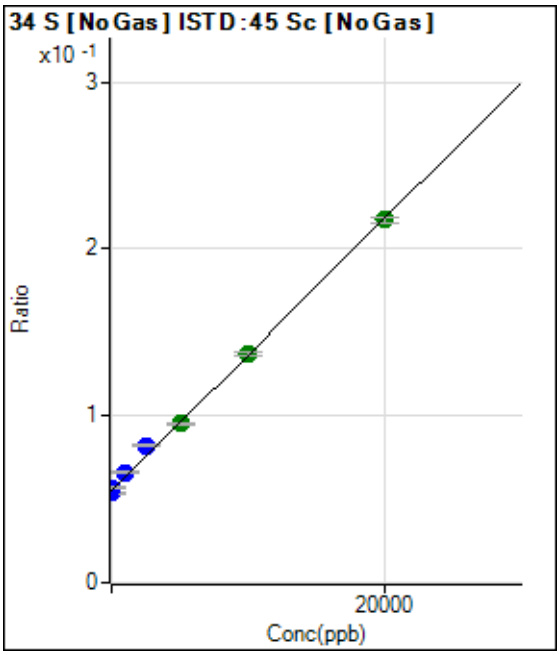



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | -118.974 | 67.78 | 0.0003 | P | 24.1 |
| 2 | ☐ | 0.000 | 118.974 | 996.71 | 0.0049 | P | 3.6 |
| 3 | ☐ | 1000.000 | 917.736 | 4013.93 | 0.0202 | P | 4.3 |
| 4 | ☐ | 2500.000 | 2483.169 | 9832.29 | 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

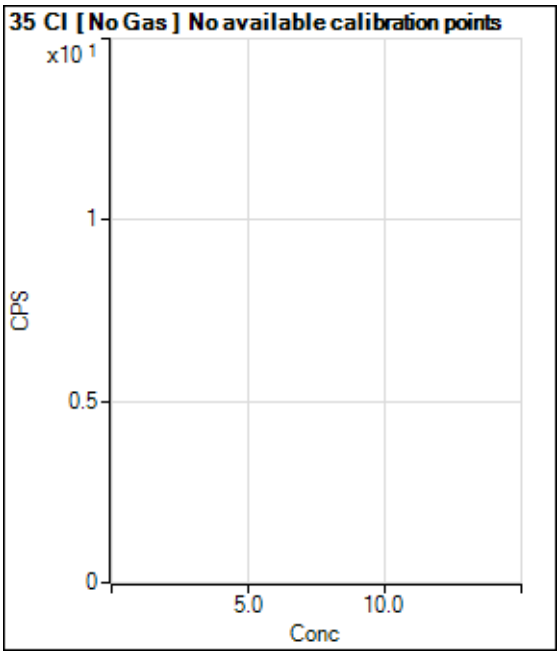
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On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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 |

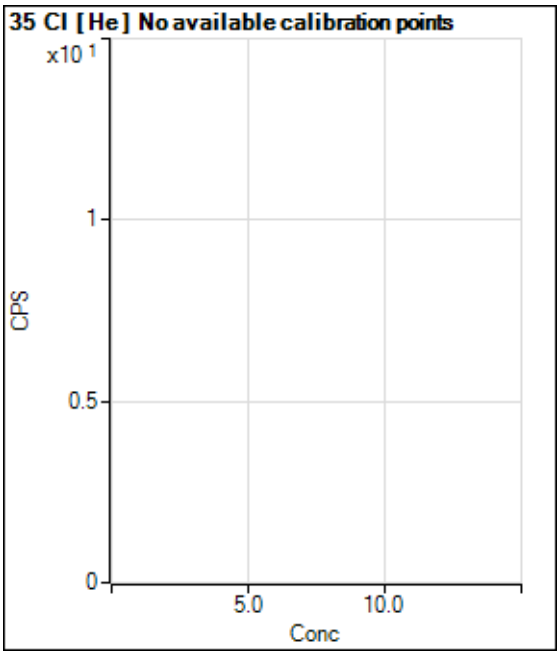
y = 8.1591E-006 * x + 0.0553
R = 0.9990
DL = 329.6
BEC = 6776

Weight: <None>
Min Conc: 0

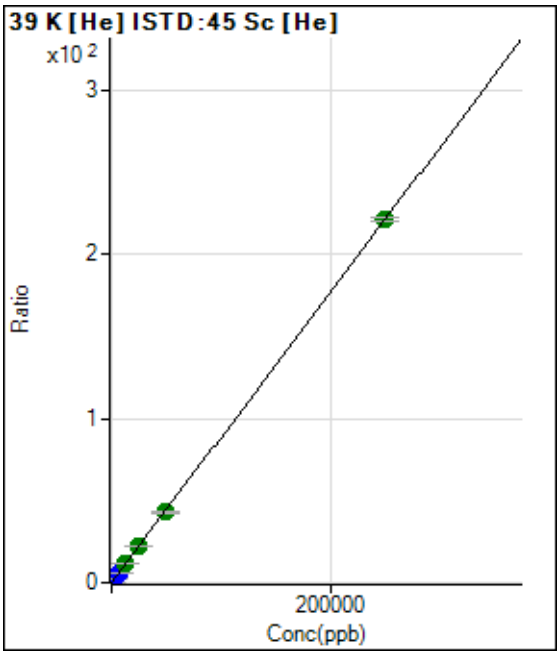



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 109309.69 | | P | 0.4 |
| 2 | ☐ | | | 110206.35 | | P | 0.9 |
| 3 | ☐ | | | 119128.42 | | P | 0.5 |
| 4 | ☐ | | | 119590.91 | | P | 0.6 |
| 5 | ☐ | | | 124465.92 | | P | 0.7 |
| 6 | ☐ | | | 139148.80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

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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 |

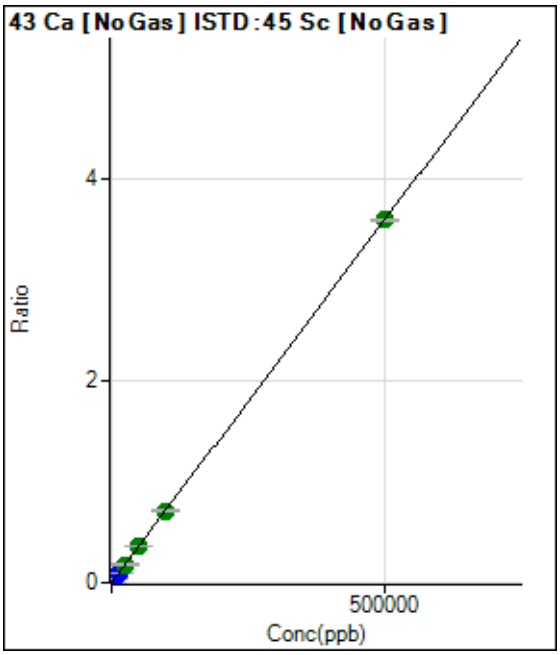



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 13718.81 | 0.0679 | P | 1.1 |
| 2 | ☐ | 500.000 | 487.881 | 101731.93 | 0.4986 | P | 2.0 |
| 3 | ☐ | 2500.000 | 2567.030 | 464684.10 | 2.3339 | P | 0.7 |
| 4 | ☐ | 6250.000 | 6352.559 | 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

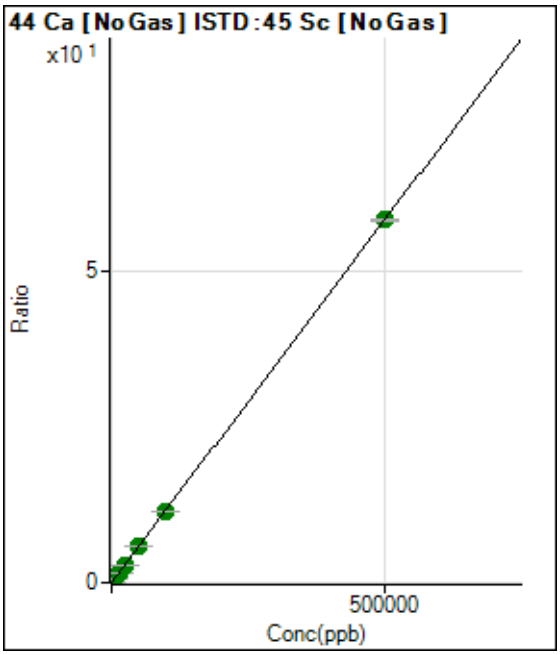
Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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

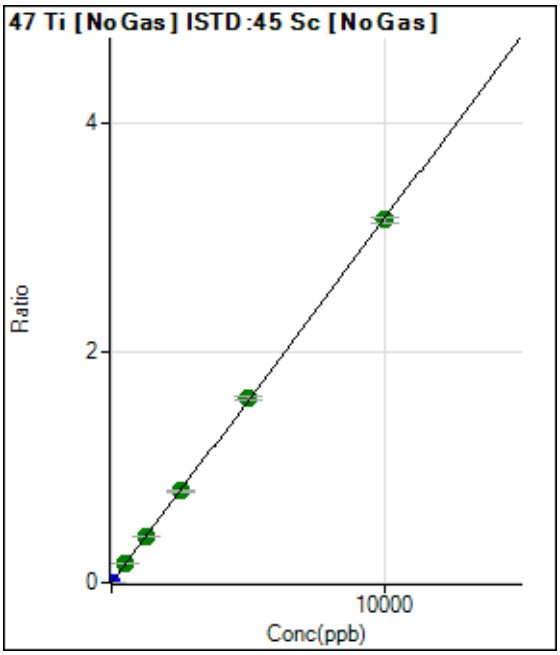



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 29104.95 | 0.0027 | P | 1.0 |
| 2 | ☐ | 500.000 | 485.619 | 629240.72 | 0.0593 | P | 2.0 |
| 3 | ☐ | 5000.000 | 4980.951 | 6074800.12 | 0.5827 | A | 2.4 |
| 4 | ☐ | 12500.000 | 12342.072 | 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

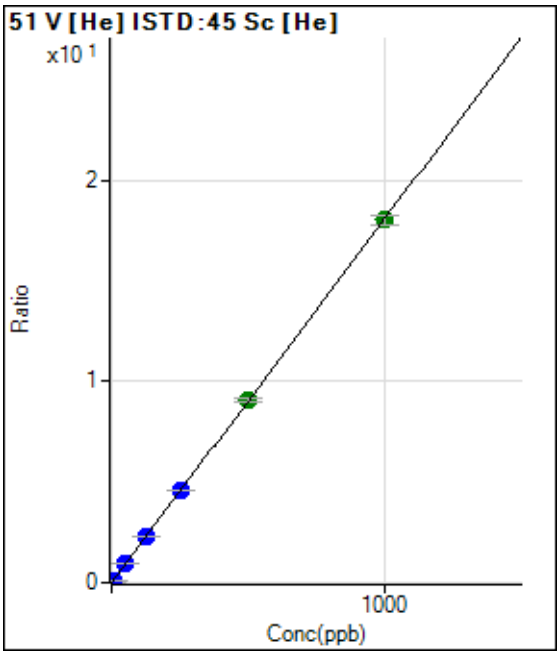
Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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

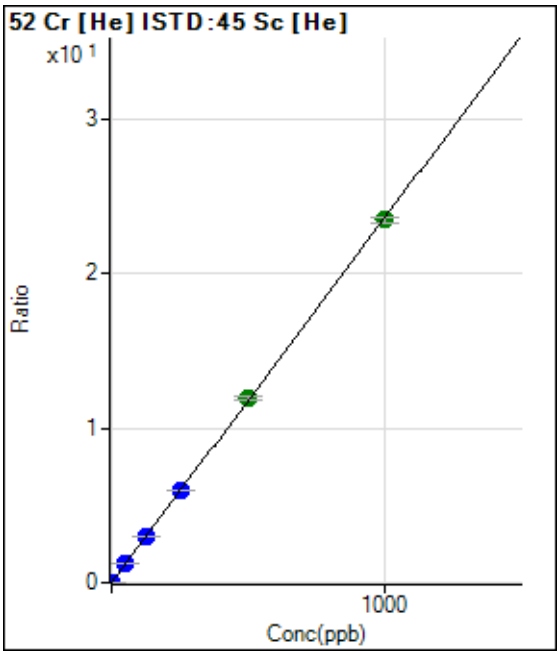



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 24.44 | 0.0001 | P | 47.5 |
| 2 | ☐ | 5.000 | 5.015 | 18505.39 | 0.0907 | P | 0.7 |
| 3 | ☐ | 50.000 | 52.158 | 187567.11 | 0.9421 | P | 0.5 |
| 4 | ☐ | 125.000 | 126.589 | 448729.16 | 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

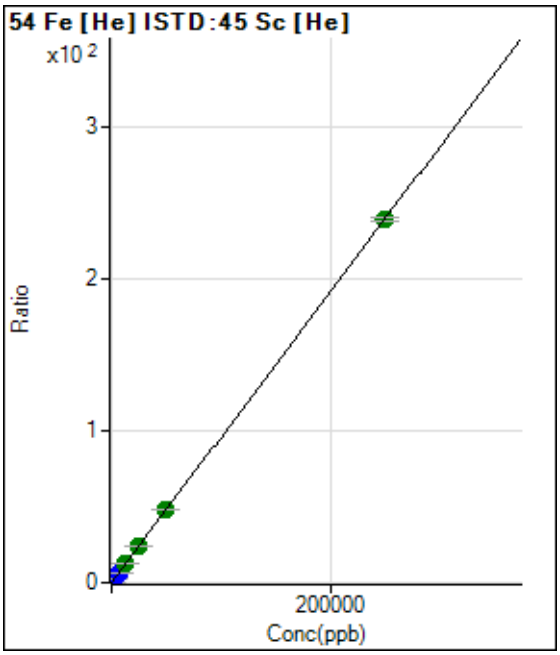
Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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

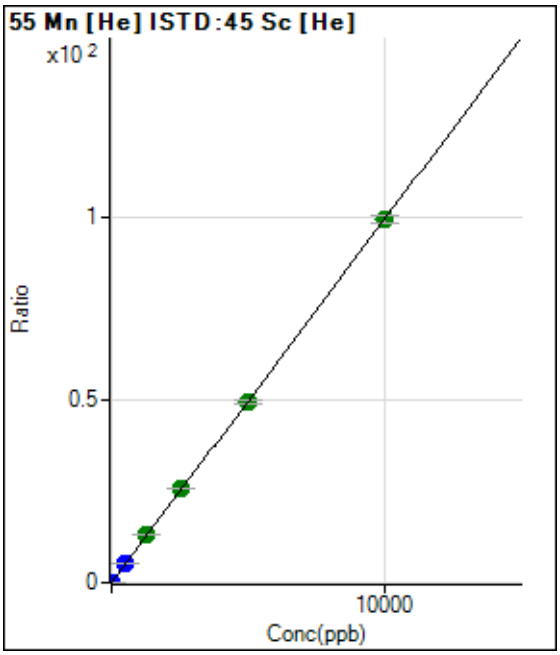



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 874.97 | 0.0043 | P | 78.5 |
| 2 | ☐ | 50.000 | 51.678 | 10969.85 | 0.0538 | P | 0.1 |
| 3 | ☐ | 2500.000 | 2655.057 | 506554.31 | 2.5441 | P | 1.1 |
| 4 | ☐ | 6250.000 | 6503.698 | 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

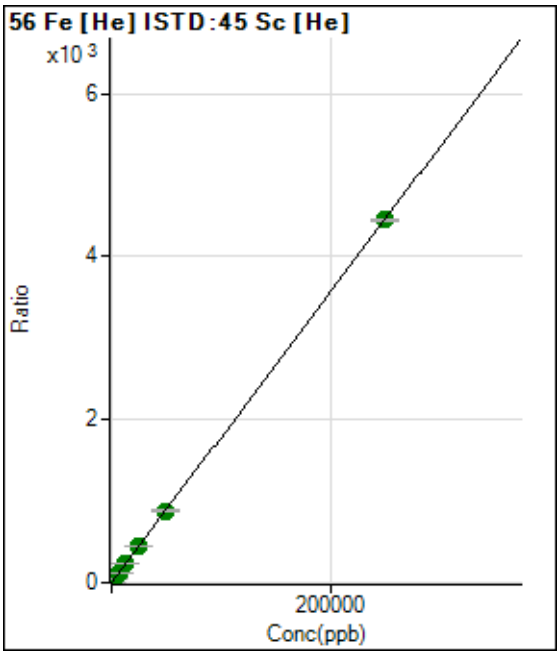
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On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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

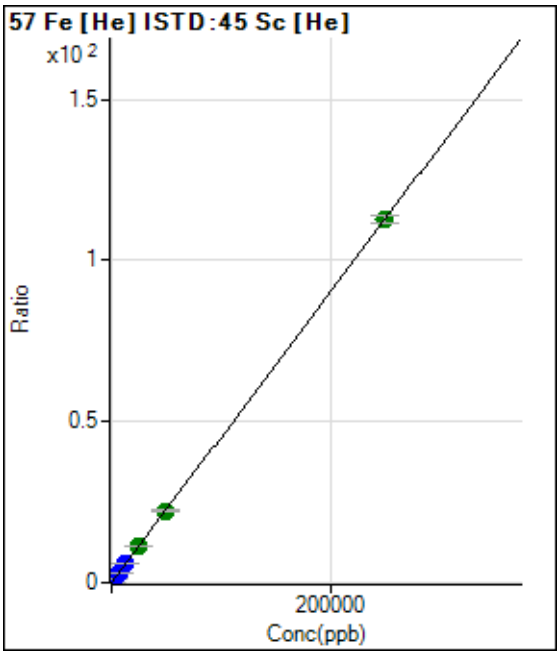



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 4989.81 | 0.0247 | P | 2.1 |
| 2 | ☐ | 50.000 | 51.256 | 191171.67 | 0.9370 | P | 3.0 |
| 3 | ☐ | 2500.000 | 2586.051 | 9169902.57 | 46.0558 | A | 0.2 |
| 4 | ☐ | 6250.000 | 6387.404 | 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

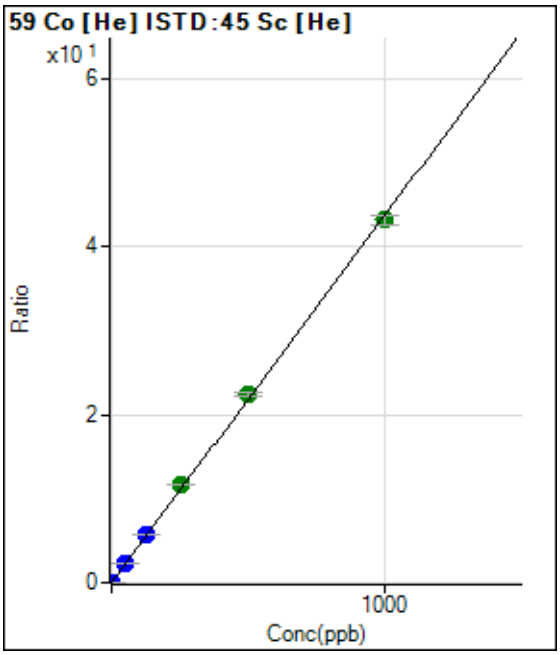
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On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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 = 4.5026E-004 * x + 6.7580E-004
R = 1.0000
DL = 1.351
BEC = 1.501

Weight: <None>
Min Conc: 0

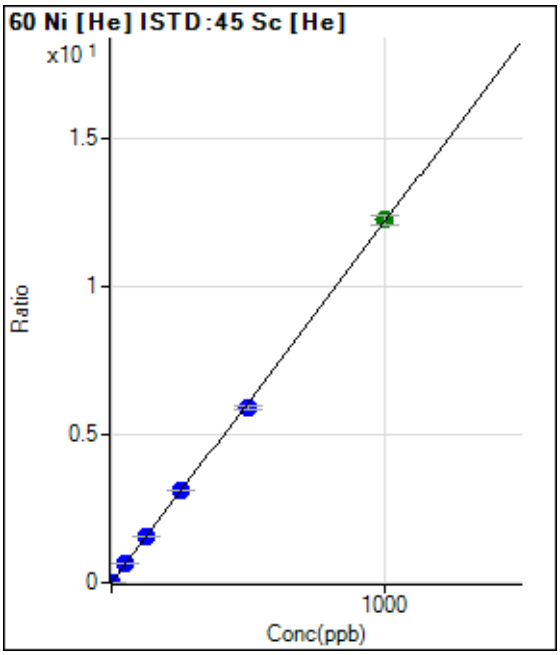



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 84.45 | 0.0004 | P | 16.5 |
| 2 | ☐ | 1.000 | 1.091 | 9810.11 | 0.0481 | P | 1.2 |
| 3 | ☐ | 50.000 | 53.317 | 464005.71 | 2.3305 | P | 1.3 |
| 4 | ☐ | 125.000 | 129.188 | 1108121.06 | 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 + 4.1829E-004
R = 0.9997
DL = 0.004745
BEC = 0.009572

Weight: <None>
Min Conc: 0

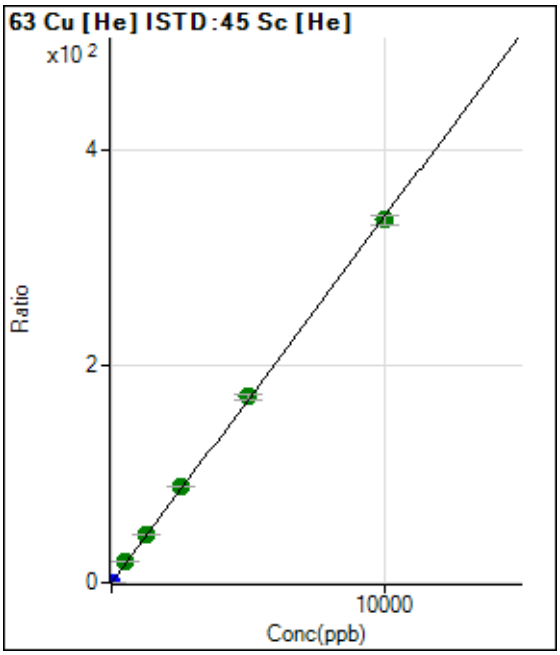
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On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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

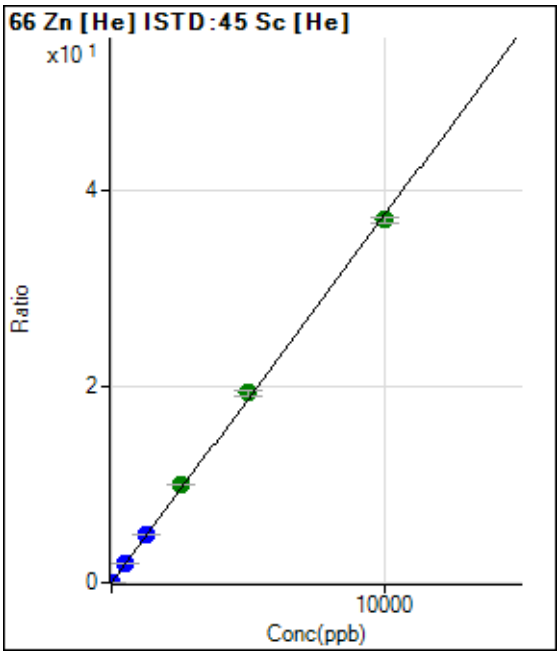



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1631.22 | 0.0081 | P | 3.5 |
| 2 | ☐ | 2.000 | 2.183 | 16702.14 | 0.0818 | P | 1.0 |
| 3 | ☐ | 500.000 | 564.405 | 3799666.78 | 19.0840 | A | 0.6 |
| 4 | ☐ | 1250.000 | 1320.775 | 8762778.83 | 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

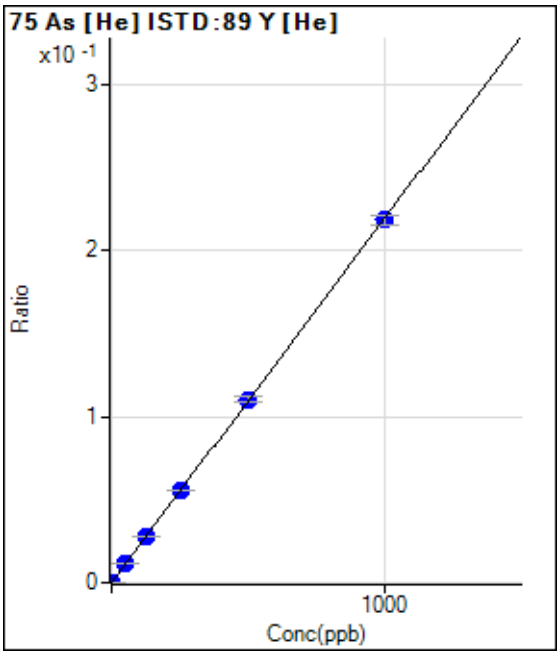
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On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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

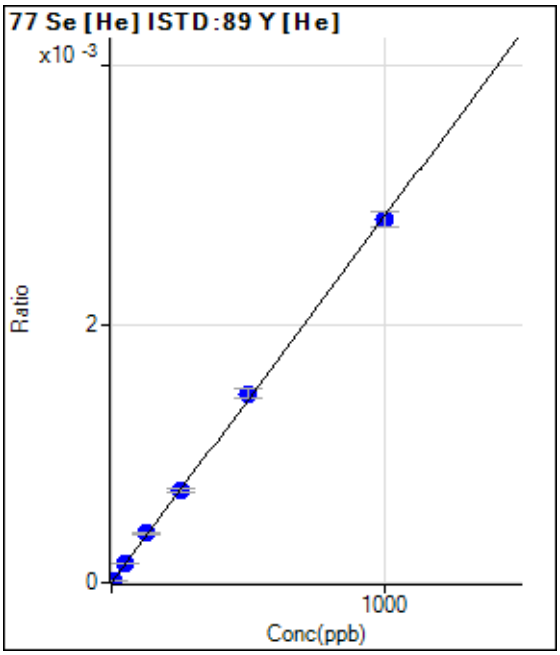



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 6.66 | 0.0000 | P | 86.4 |
| 2 | ☐ | 1.000 | 1.083 | 552.24 | 0.0002 | P | 3.3 |
| 3 | ☐ | 50.000 | 51.135 | 25103.53 | 0.0112 | P | 3.2 |
| 4 | ☐ | 125.000 | 127.485 | 60325.09 | 0.0279 | 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

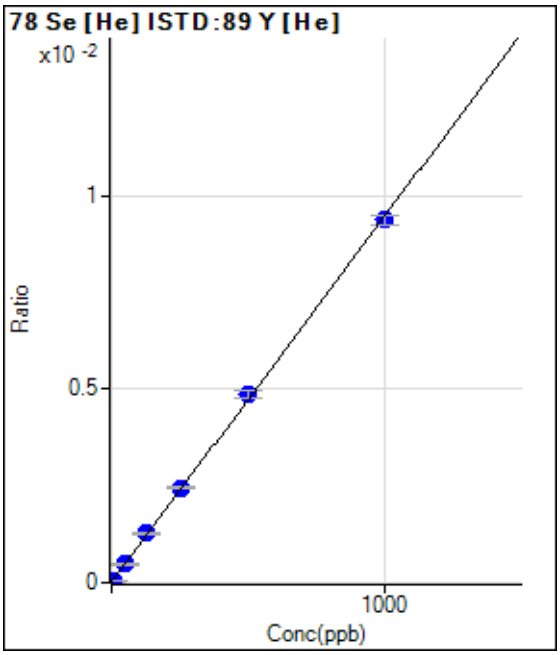
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On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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

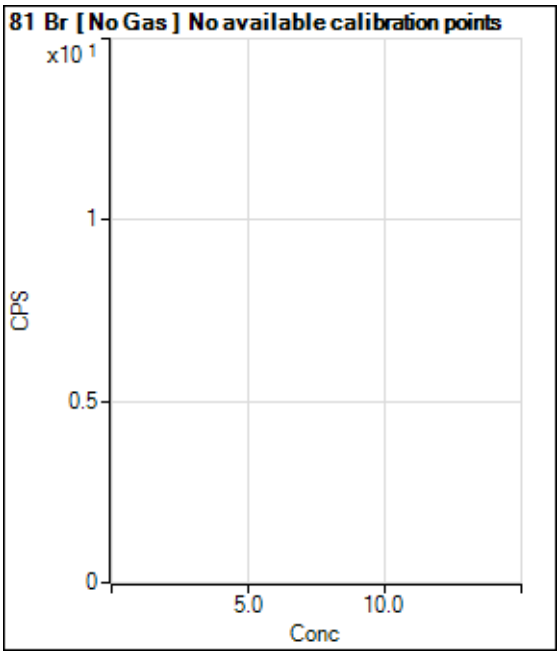



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 20.00 | 0.0000 | P | 43.8 |
| 2 | ☐ | 5.000 | 4.538 | 118.89 | 0.0001 | P | 15.7 |
| 3 | ☐ | 50.000 | 49.942 | 1077.83 | 0.0005 | P | 8.2 |
| 4 | ☐ | 125.000 | 133.579 | 2743.63 | 0.0013 | 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 |

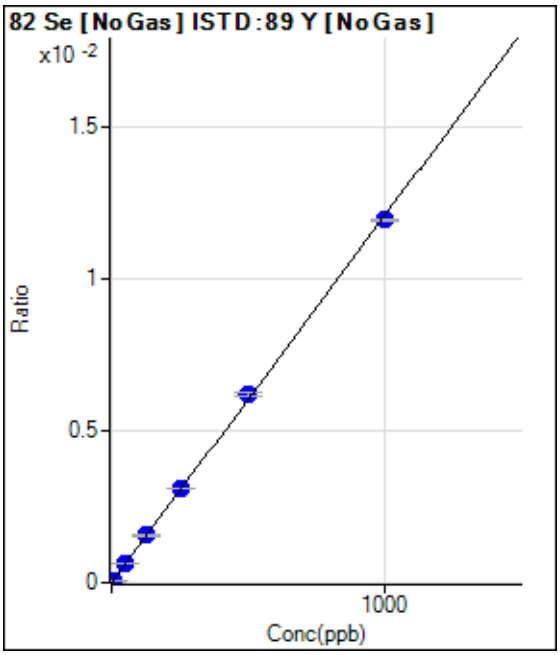
y = 9.4485E-006 * x + 8.8269E-006
R = 0.9998
DL = 1.228
BEC = 0.9342

Weight: <None>
Min Conc: 0

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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 |

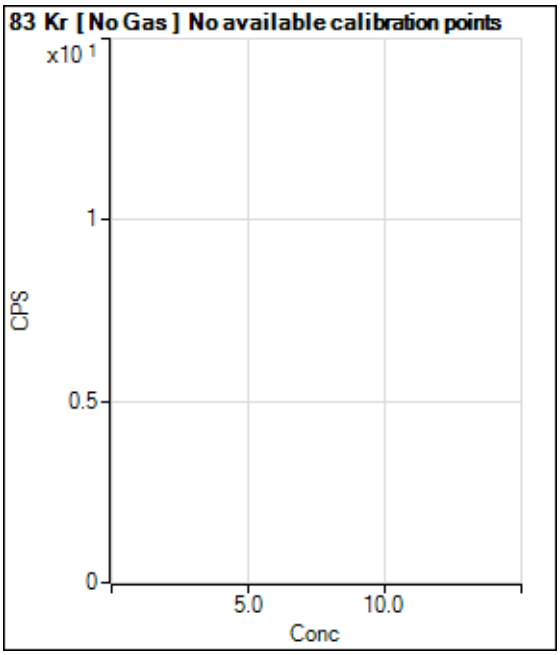



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 11.11 | 0.0000 | P | 204. |
| 2 | ☐ | 5.000 | 5.187 | 1903.51 | 0.0001 | P | 5.9 |
| 3 | ☐ | 50.000 | 52.306 | 18955.44 | 0.0006 | P | 2.5 |
| 4 | ☐ | 125.000 | 128.607 | 45774.23 | 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 |

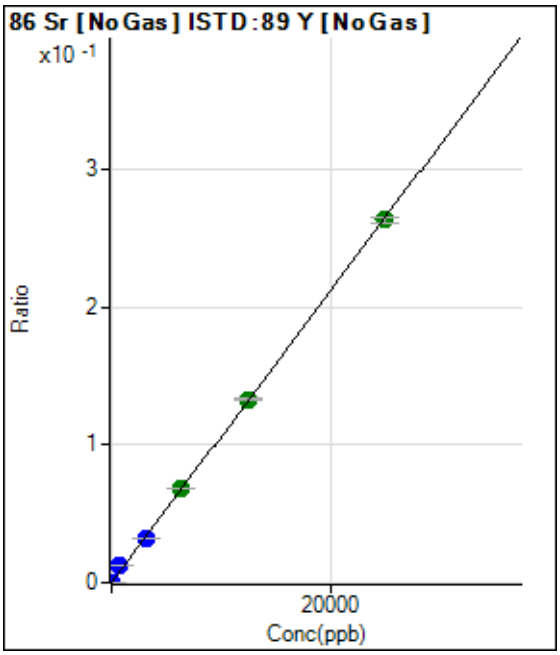
y = 1.2071E-005 * x + 3.6949E-007
R = 0.9998
DL = 0.188
BEC = 0.03061

Weight: <None>
Min Conc: 0

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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 |

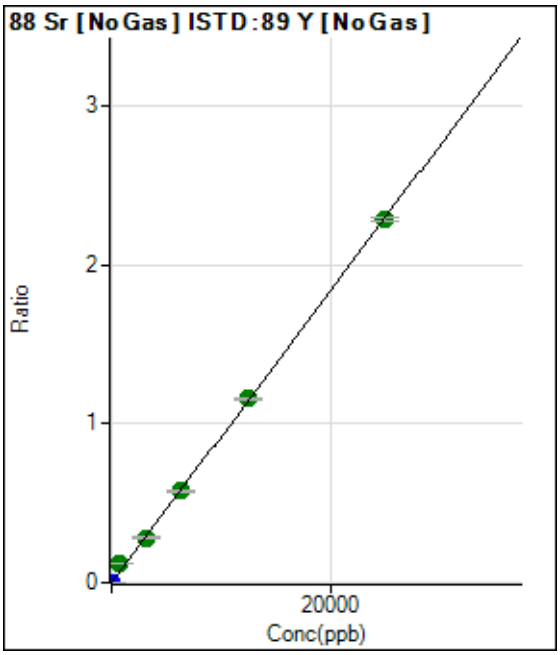



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 500.01 | 0.0000 | P | 3.6 |
| 2 | ☐ | 1.000 | 23.741 | 8095.73 | 0.0003 | P | 2.4 |
| 3 | ☐ | 625.000 | 1234.919 | 392493.41 | 0.0131 | P | 2.1 |
| 4 | ☐ | 3125.000 | 3054.344 | 953022.33 | 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

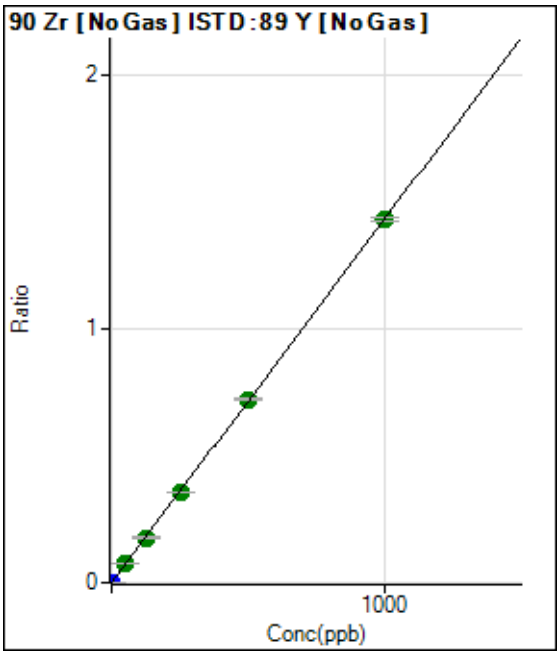
Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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

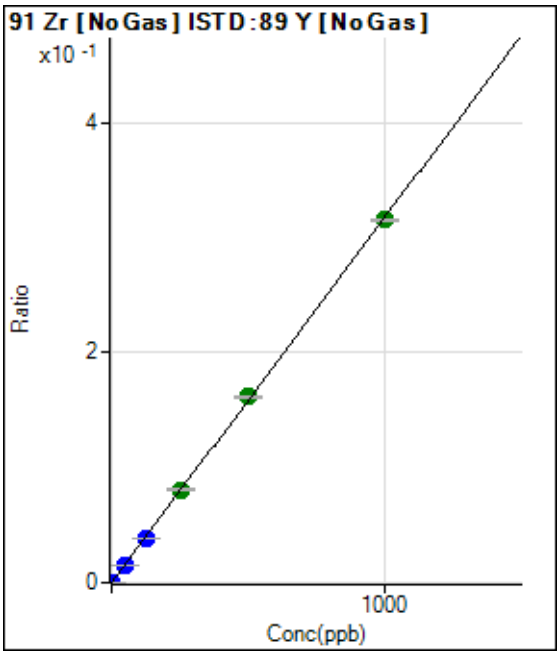



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1408.98 | 0.0000 | P | 5.7 |
| 2 | ☐ | 1.000 | 1.031 | 45996.73 | 0.0015 | P | 0.5 |
| 3 | ☐ | 50.000 | 50.876 | 2185675.78 | 0.0728 | A | 0.5 |
| 4 | ☐ | 125.000 | 124.168 | 5238582.56 | 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

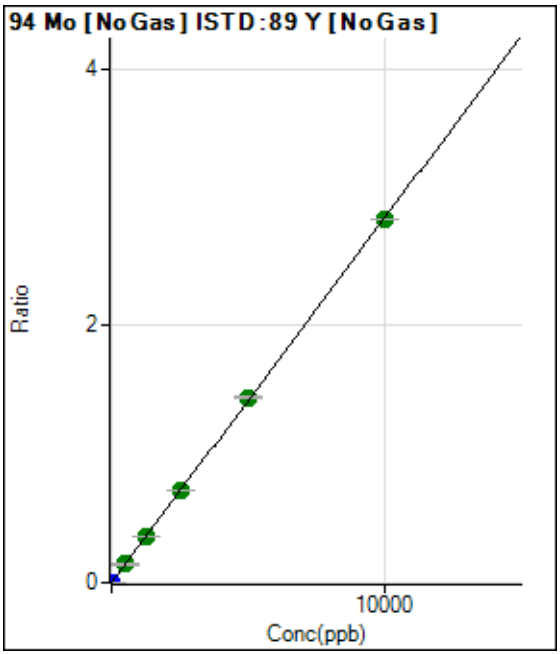
Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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 = 3.1722E-004 * x + 8.1896E-006
R = 0.9999
DL = 0.01135
BEC = 0.02582

Weight: <None>
Min Conc: 0

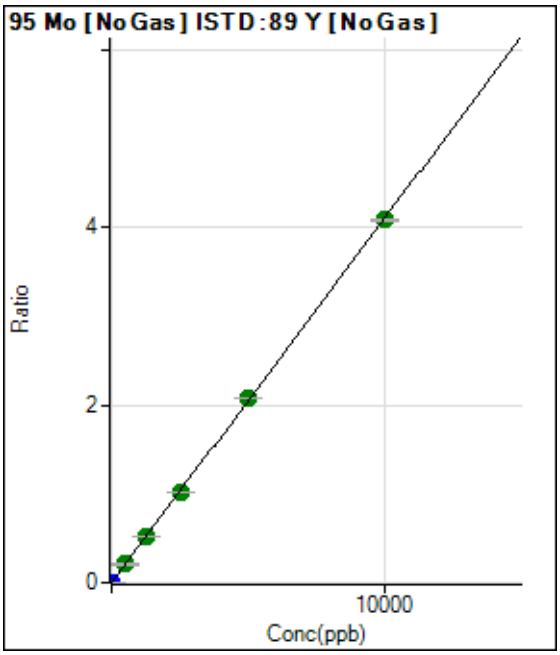



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 485.57 | 0.0000 | P | 4.3 |
| 2 | ☐ | 5.000 | 5.868 | 50777.85 | 0.0017 | P | 0.8 |
| 3 | ☐ | 500.000 | 501.888 | 4270722.05 | 0.1423 | A | 0.8 |
| 4 | ☐ | 1250.000 | 1244.957 | 10406244.08 | 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 = 2.8352E-004 * x + 1.6199E-005
R = 0.9999
DL = 0.00742
BEC = 0.05714

Weight: <None>
Min Conc: 0

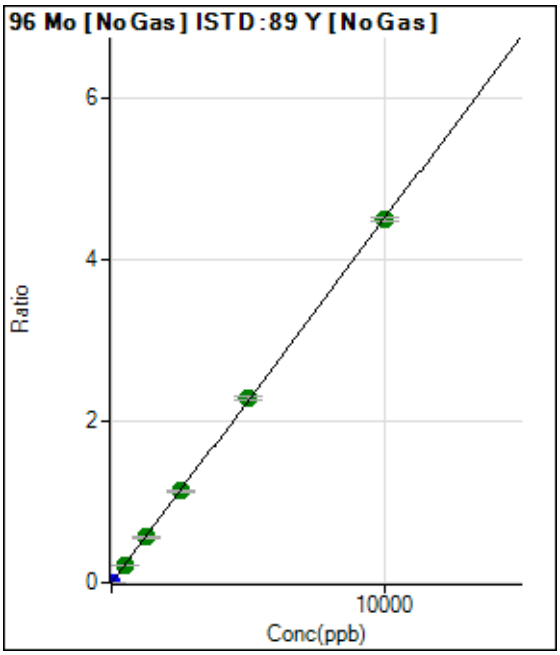
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Inst Id :P8
LB :LB135886




| | Rjct | 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

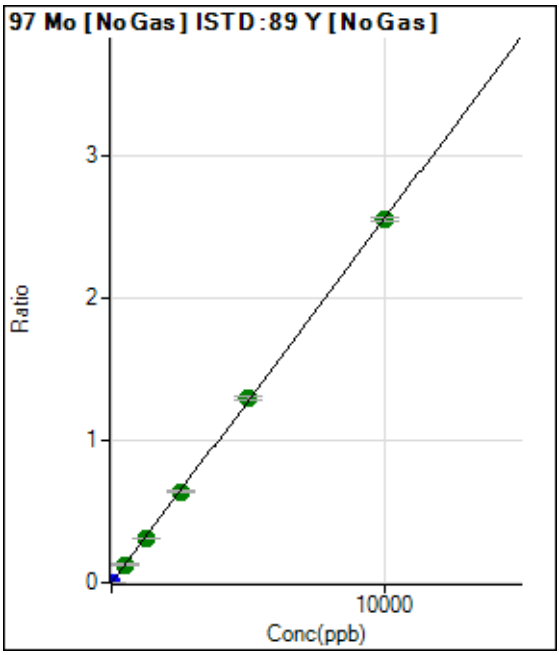



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 296.67 | 0.0000 | P | 16.1 |
| 2 | ☐ | 5.000 | 4.897 | 66925.71 | 0.0022 | P | 2.0 |
| 3 | ☐ | 500.000 | 498.732 | 6736606.01 | 0.2245 | A | 0.9 |
| 4 | ☐ | 1250.000 | 1241.862 | 16479053.36 | 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

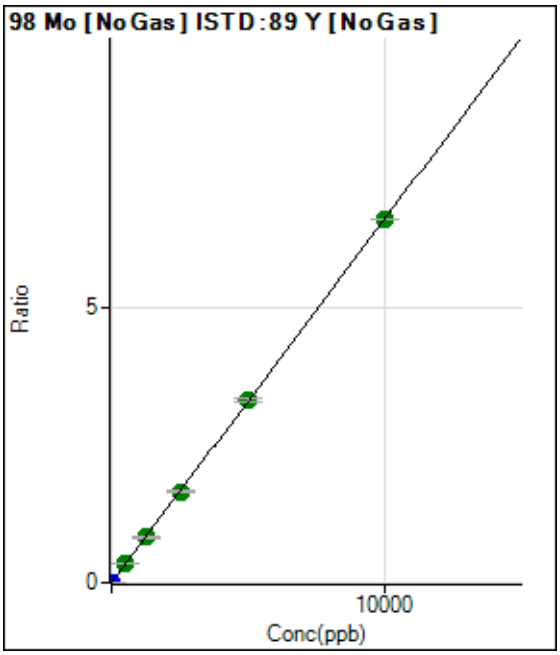
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On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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

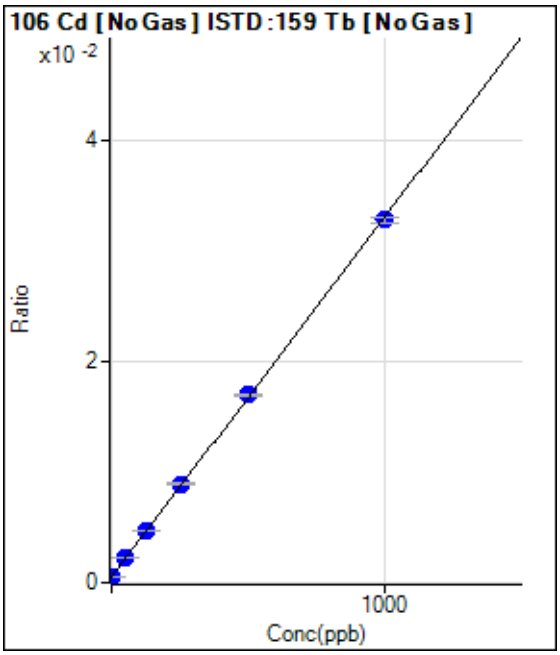



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 306.67 | 0.0000 | P | 5.0 |
| 2 | ☐ | 5.000 | 4.812 | 96604.26 | 0.0032 | P | 1.0 |
| 3 | ☐ | 500.000 | 506.769 | 10068751.10 | 0.3355 | A | 0.7 |
| 4 | ☐ | 1250.000 | 1244.498 | 24292287.97 | 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

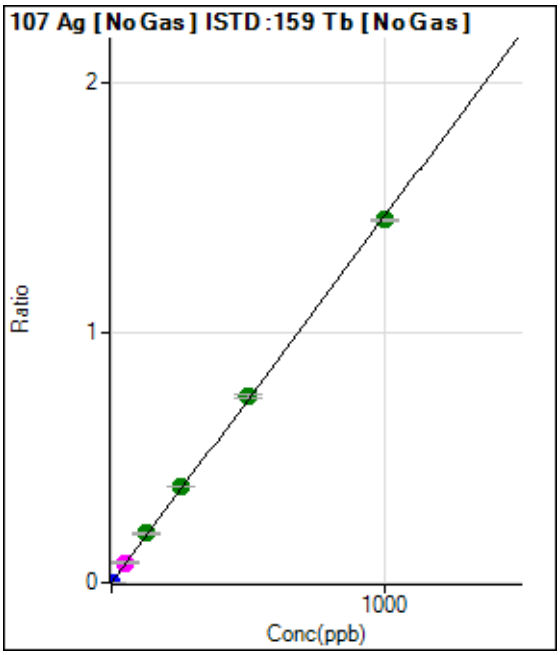
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On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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

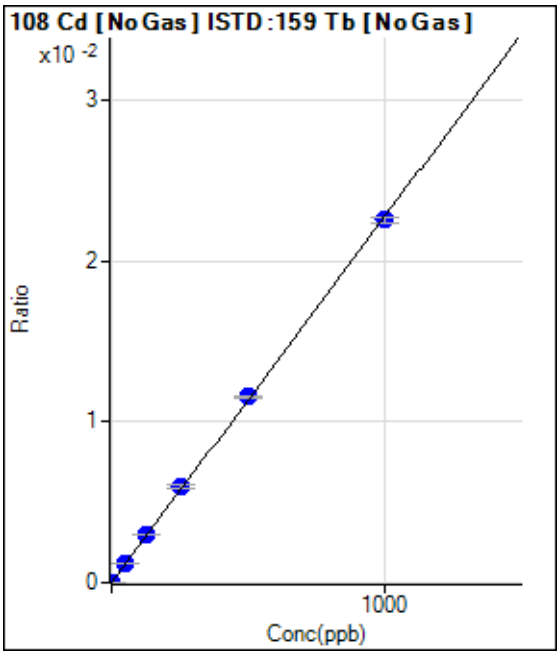



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 192.23 | 0.0000 | P | 3.4 |
| 2 | ☐ | 1.000 | 1.091 | 32277.78 | 0.0016 | P | 2.3 |
| 3 | ☐ | 50.000 | 54.163 | 1594253.97 | 0.0794 | M | 4.3 |
| 4 | ☐ | 125.000 | 134.546 | 3984290.81 | 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

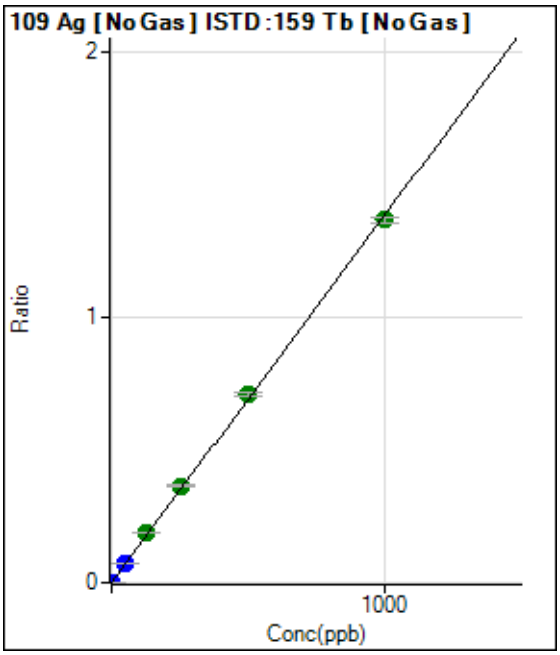
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On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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 = 2.2741E-005 * x + 1.7566E-006
R = 0.9999
DL = 0.1074
BEC = 0.07724

Weight: <None>
Min Conc: 0

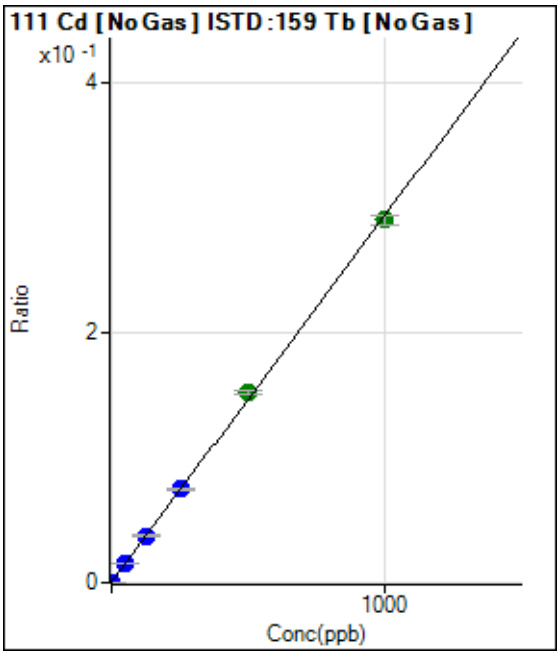



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 70.00 | 0.0000 | P | 13.2 |
| 2 | ☐ | 1.000 | 1.090 | 30342.29 | 0.0015 | P | 2.2 |
| 3 | ☐ | 50.000 | 53.156 | 1476946.89 | 0.0735 | P | 2.9 |
| 4 | ☐ | 125.000 | 135.356 | 3783269.46 | 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 + 3.4709E-006
R = 0.9997
DL = 0.0009951
BEC = 0.002509

Weight: <None>
Min Conc: 0

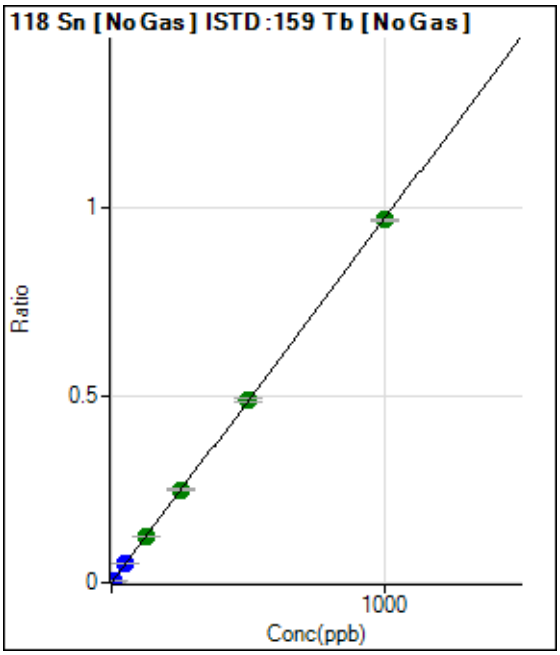
Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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

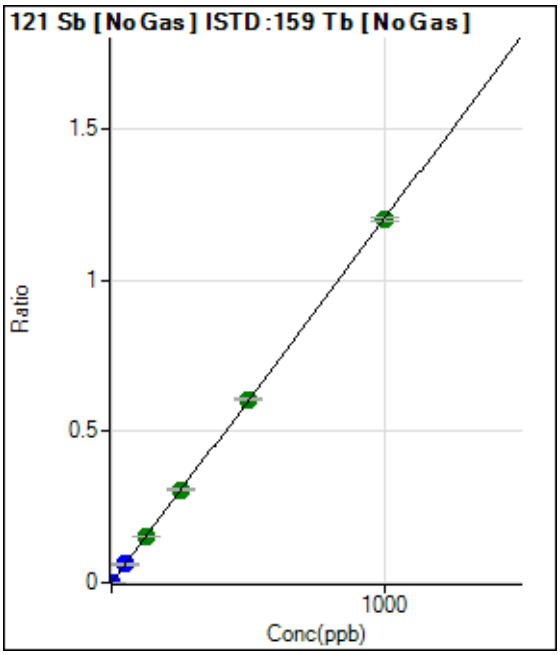



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 3232.64 | 0.0002 | P | 5.6 |
| 2 | ☐ | 5.000 | 5.000 | 100832.21 | 0.0050 | P | 0.7 |
| 3 | ☐ | 50.000 | 50.995 | 999613.10 | 0.0498 | P | 2.1 |
| 4 | ☐ | 125.000 | 127.358 | 2506549.98 | 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

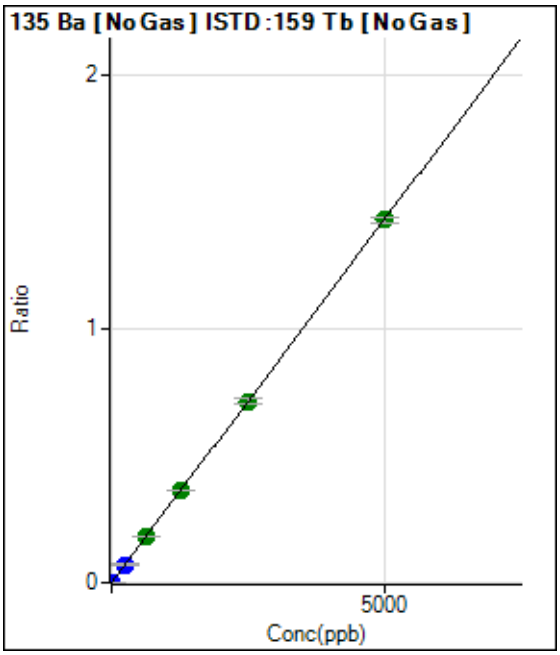
Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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

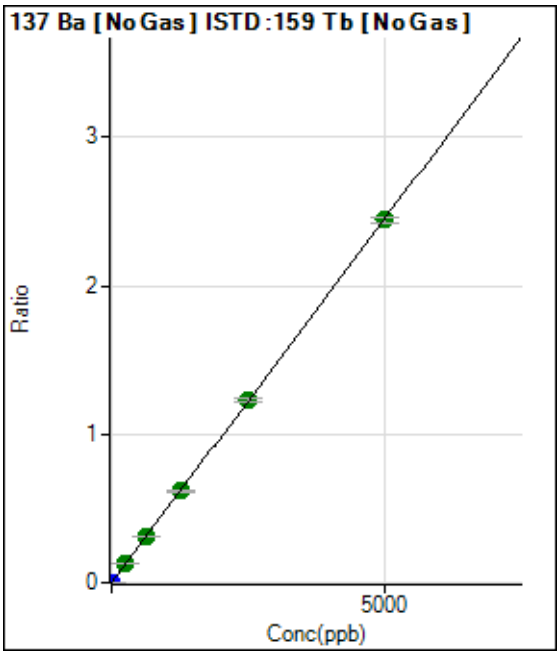



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 81.11 | 0.0000 | P | 12.5 |
| 2 | ☐ | 10.000 | 9.854 | 56624.52 | 0.0028 | P | 1.1 |
| 3 | ☐ | 250.000 | 249.223 | 1431342.88 | 0.0713 | P | 1.9 |
| 4 | ☐ | 625.000 | 634.255 | 3664153.73 | 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

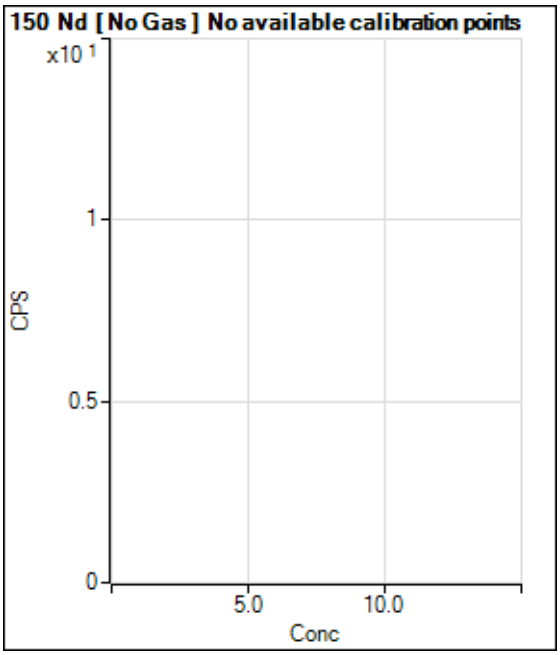
Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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 |

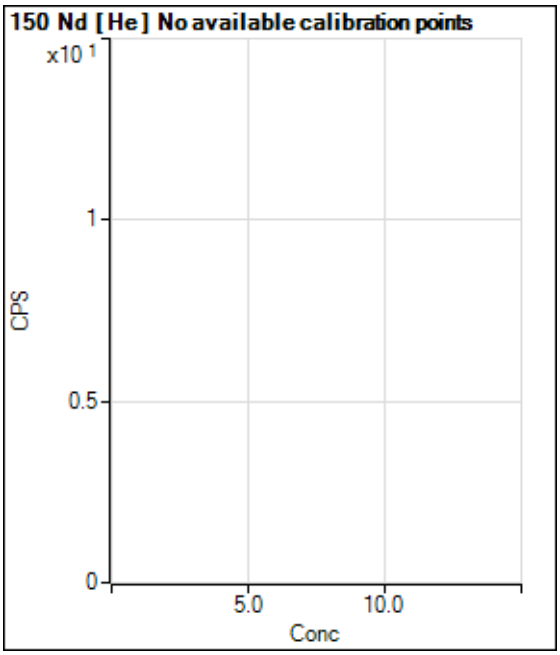
y = 4.8993E-004 * x + 9.3032E-006
R = 1.0000
DL = 0.004304
BEC = 0.01899

Weight: <None>
Min Conc: 0

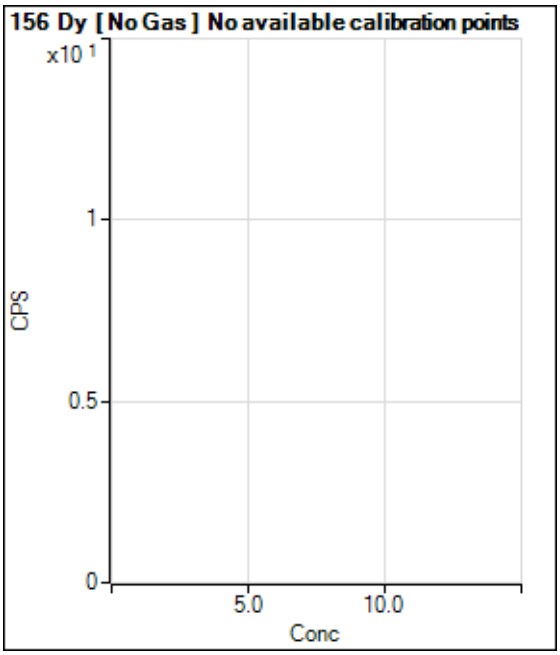



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 13.33 | | P | 25.0 |
| 2 | ☐ | | | 27.78 | | P | 38.6 |
| 3 | ☐ | | | 133.34 | | P | 15.6 |
| 4 | ☐ | | | 283.34 | | P | 14.1 |
| 5 | ☐ | | | 601.13 | | P | 7.2 |
| 6 | ☐ | | | 1146.73 | | P | 2.2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

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

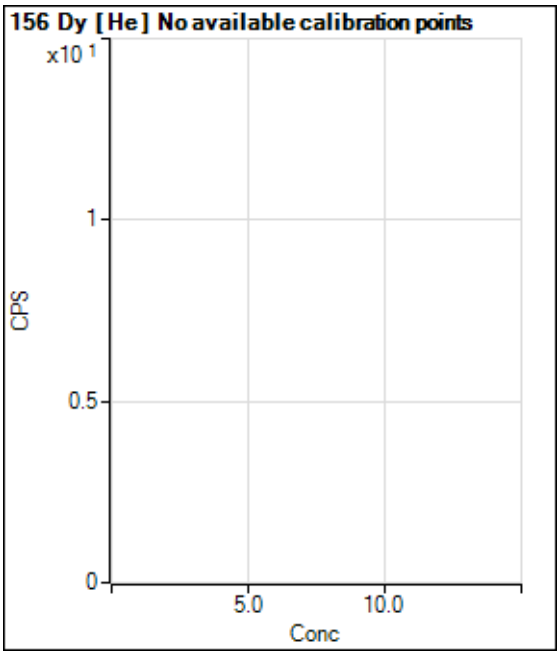



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 2.22 | | P | 173. |
| 2 | ☐ | | | 4.44 | | P | 43.4 |
| 3 | ☐ | | | 3.33 | | P | 100. |
| 4 | ☐ | | | 21.11 | | P | 59.8 |
| 5 | ☐ | | | 27.78 | | P | 18.3 |
| 6 | ☐ | | | 63.33 | | P | 29.3 |
|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

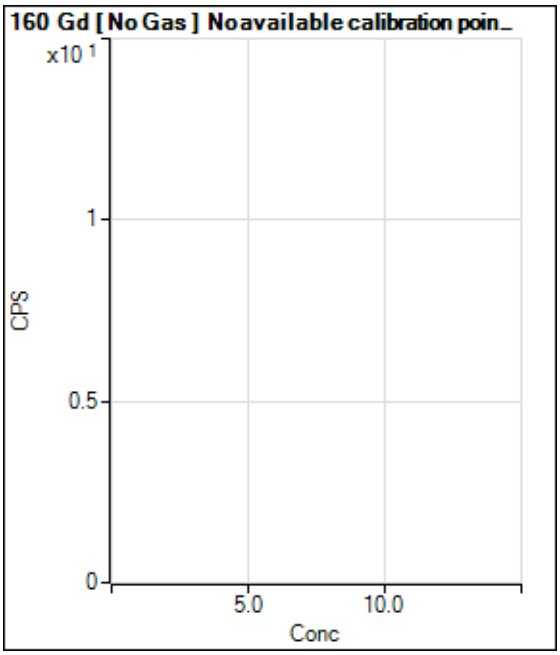



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 17.78 | | P | 43.3 |
| 2 | ☐ | | | 35.55 | | P | 30.1 |
| 3 | ☐ | | | 63.33 | | P | 13.9 |
| 4 | ☐ | | | 131.12 | | P | 23.1 |
| 5 | ☐ | | | 218.89 | | P | 11.6 |
| 6 | ☐ | | | 340.01 | | P | 15.3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

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

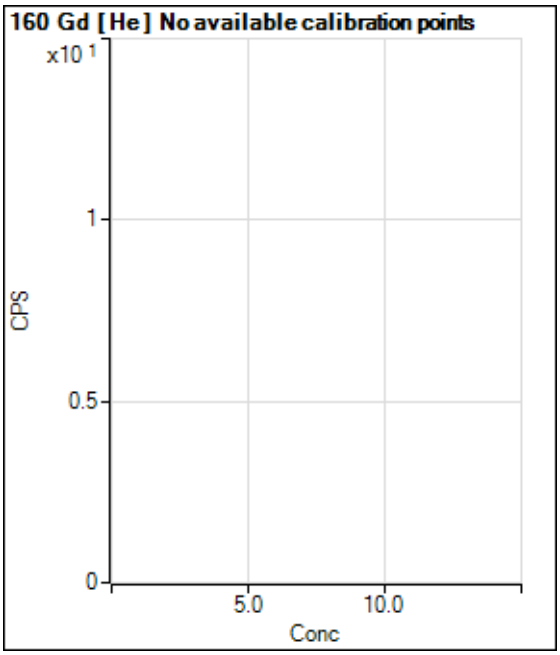



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 3.33 | | P | 100. |
| 2 | ☐ | | | 8.89 | | P | 57.3 |
| 3 | ☐ | | | 14.45 | | P | 26.7 |
| 4 | ☐ | | | 21.11 | | P | 39.7 |
| 5 | ☐ | | | 38.89 | | P | 17.8 |
| 6 | ☐ | | | 53.33 | | P | 12.5 |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

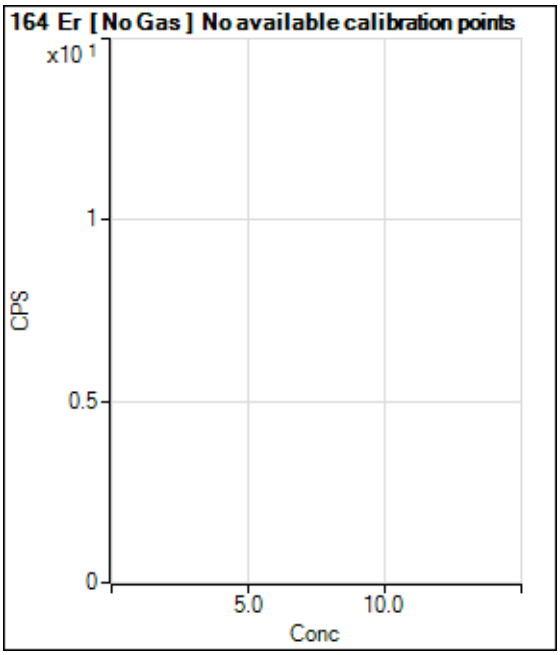



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 143.34 | | P | 16.1 |
| 2 | ☐ | | | 138.89 | | P | 10.8 |
| 3 | ☐ | | | 124.45 | | P | 21.5 |
| 4 | ☐ | | | 173.34 | | P | 6.9 |
| 5 | ☐ | | | 203.34 | | P | 1.6 |
| 6 | ☐ | | | 286.67 | | P | 21.3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

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

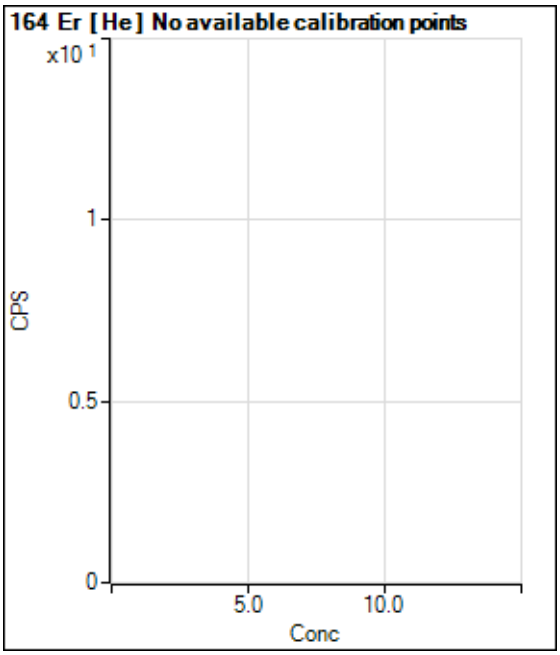



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 25.55 | | P | 15.1 |
| 2 | ☐ | | | 42.22 | | P | 29.9 |
| 3 | ☐ | | | 43.33 | | P | 20.4 |
| 4 | ☐ | | | 55.55 | | P | 28.4 |
| 5 | ☐ | | | 64.44 | | P | 18.2 |
| 6 | ☐ | | | 96.67 | | P | 24.1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

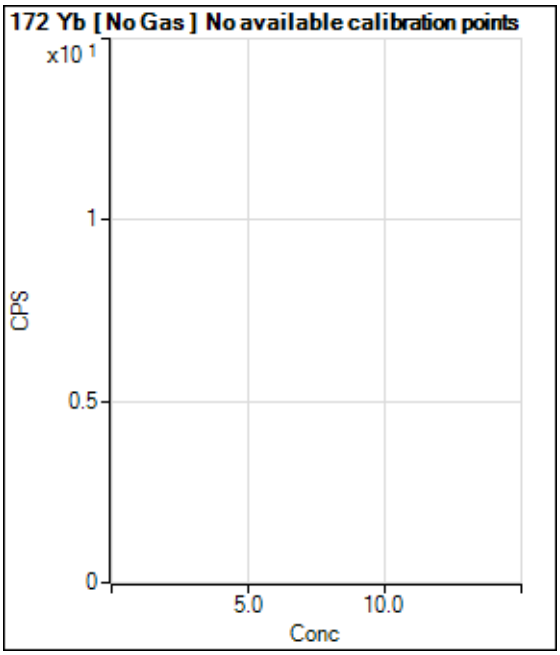



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 127.78 | | P | 4.0 |
| 2 | ☐ | | | 171.11 | | P | 10.0 |
| 3 | ☐ | | | 174.45 | | P | 19.5 |
| 4 | ☐ | | | 195.56 | | P | 8.4 |
| 5 | ☐ | | | 255.56 | | P | 1.5 |
| 6 | ☐ | | | 400.01 | | P | 4.6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

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

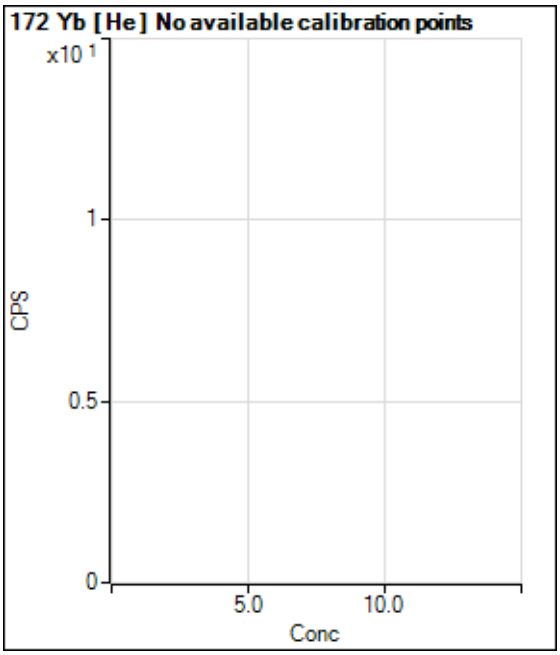



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 40.00 | | P | 30.0 |
| 2 | ☐ | | | 40.00 | | P | 8.3 |
| 3 | ☐ | | | 44.45 | | P | 30.3 |
| 4 | ☐ | | | 71.11 | | P | 34.6 |
| 5 | ☐ | | | 85.56 | | P | 14.7 |
| 6 | ☐ | | | 137.78 | | P | 3.7 |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

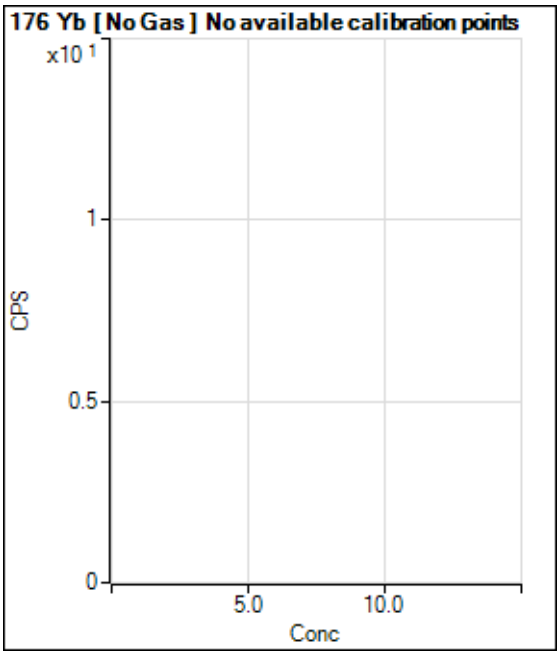



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 114.45 | | P | 7.3 |
| 2 | ☐ | | | 130.00 | | P | 22.4 |
| 3 | ☐ | | | 156.67 | | P | 18.5 |
| 4 | ☐ | | | 221.11 | | P | 10.0 |
| 5 | ☐ | | | 252.23 | | P | 12.6 |
| 6 | ☐ | | | 395.57 | | P |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

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

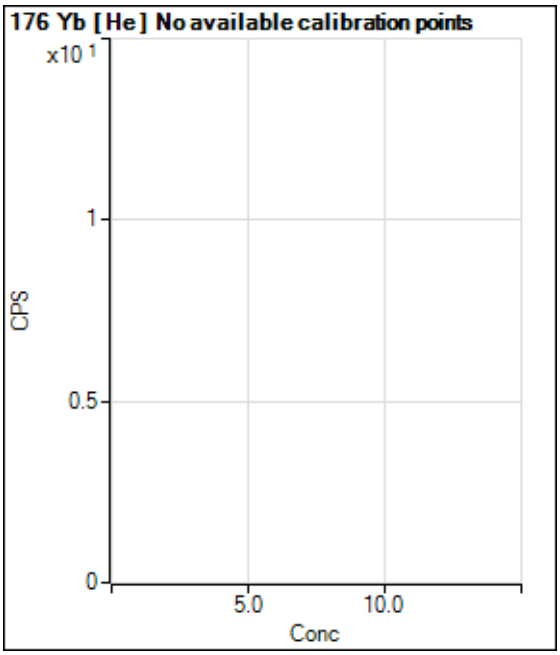



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 57.78 | | P | 69.6 |
| 2 | ☐ | | | 54.45 | | P | 12.7 |
| 3 | ☐ | | | 74.44 | | P | 23.0 |
| 4 | ☐ | | | 65.56 | | P | 21.2 |
| 5 | ☐ | | | 102.23 | | P | 35.8 |
| 6 | ☐ | | | 130.00 | | P | 12.8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

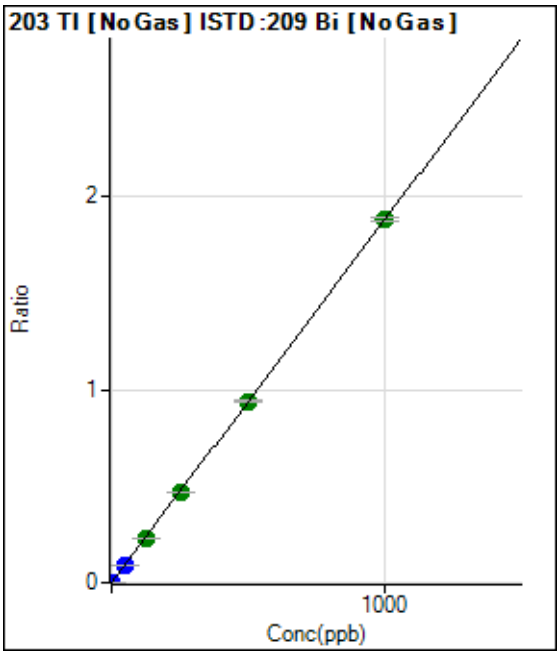



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 2626.95 | | P | 1.2 |
| 2 | ☐ | | | 2724.76 | | P | 4.8 |
| 3 | ☐ | | | 7735.67 | | P | 3.3 |
| 4 | ☐ | | | 15044.24 | | P | 0.7 |
| 5 | ☐ | | | 27637.83 | | P | 3.9 |
| 6 | ☐ | | | 51862.47 | |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

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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 |

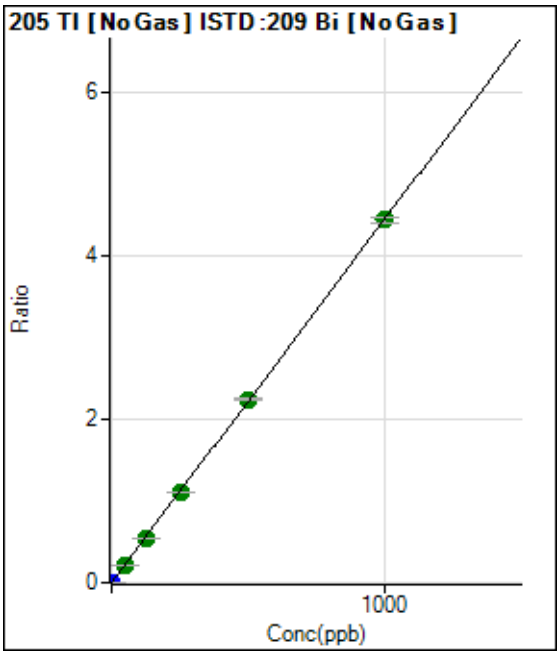



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 246.67 | 0.0000 | P | 10.3 |
| 2 | ☐ | 1.000 | 0.937 | 20839.06 | 0.0018 | P | 2.1 |
| 3 | ☐ | 50.000 | 47.917 | 1048017.48 | 0.0900 | P | 0.6 |
| 4 | ☐ | 125.000 | 123.851 | 2704127.28 | 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

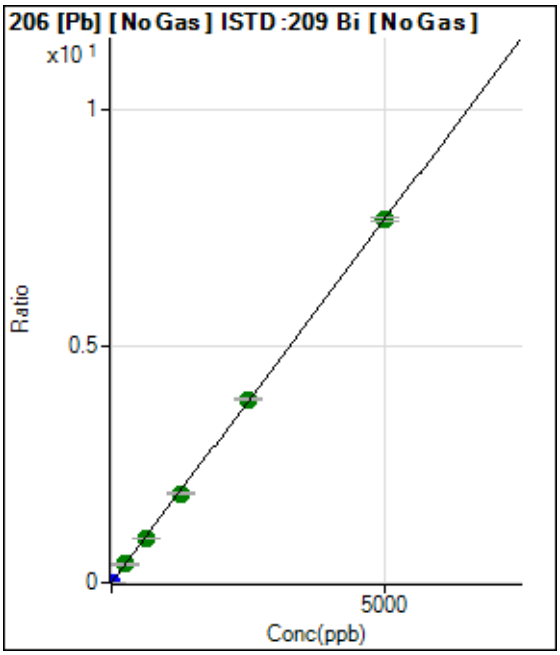
Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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

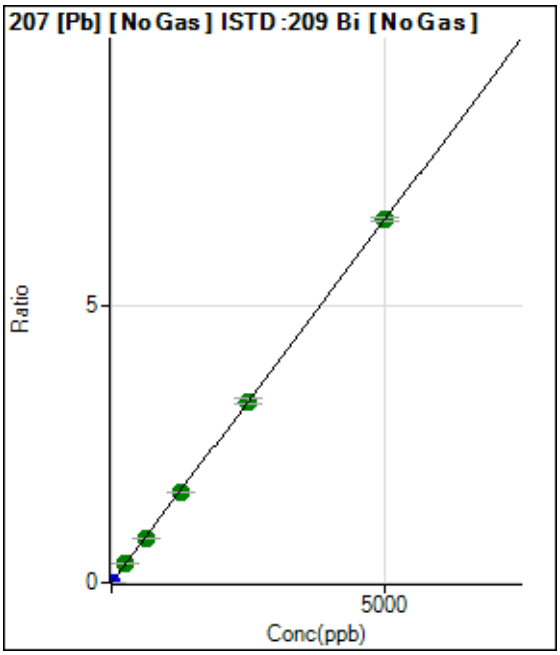



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 653.36 | 0.0001 | P | 5.7 |
| 2 | ☐ | 1.000 | 0.792 | 14881.96 | 0.0013 | P | 1.3 |
| 3 | ☐ | 250.000 | 252.417 | 4511931.81 | 0.3877 | A | 0.9 |
| 4 | ☐ | 625.000 | 610.156 | 10888833.59 | 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

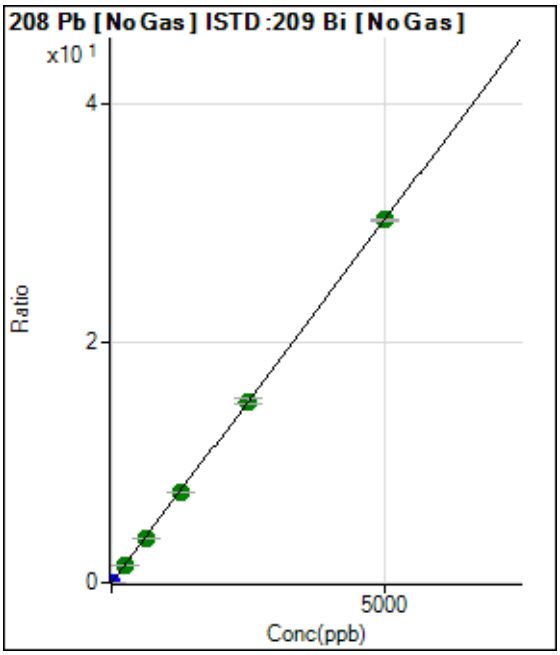
Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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

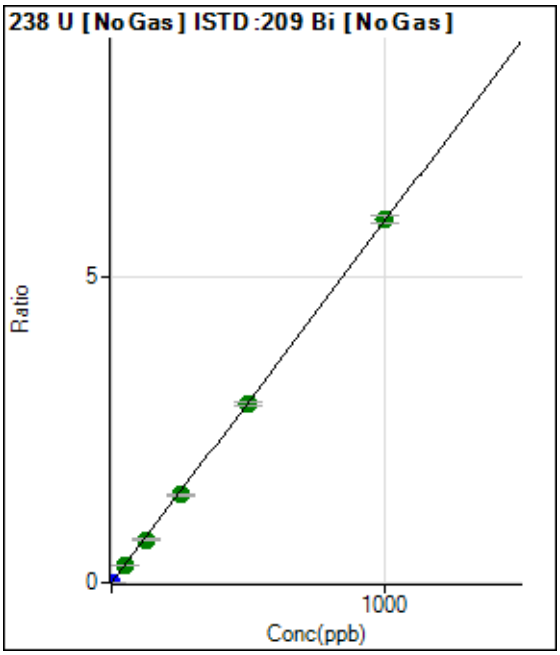



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 2564.57 | 0.0002 | P | 4.1 |
| 2 | ☐ | 1.000 | 0.807 | 59740.83 | 0.0051 | P | 1.9 |
| 3 | ☐ | 250.000 | 249.586 | 17596379.59 | 1.5119 | A | 0.7 |
| 4 | ☐ | 625.000 | 612.672 | 43122041.93 | 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

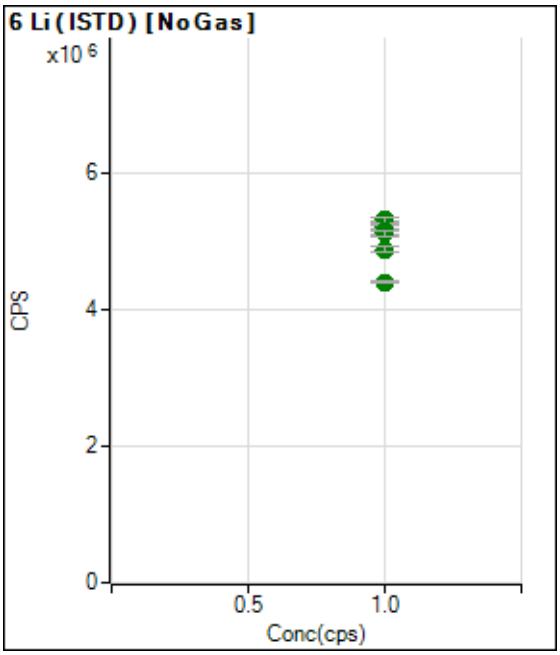
Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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 |

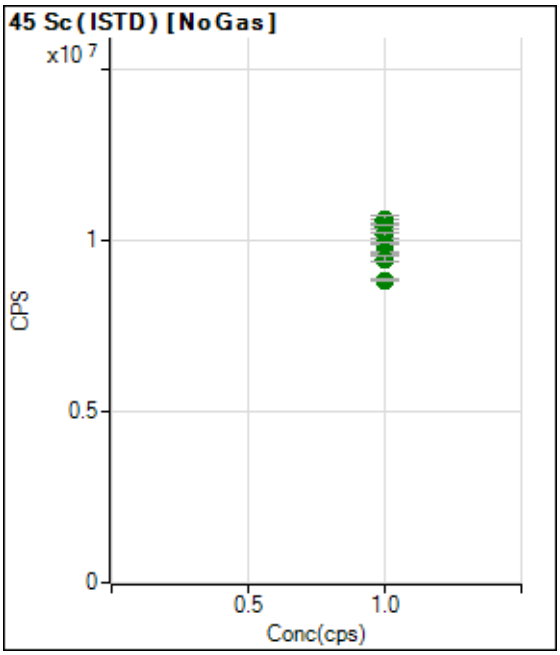
y = 0.0059 * x + 1.9868E-005
R = 1.0000
DL = 0.001232
BEC = 0.00337

Weight: <None>
Min Conc: 0

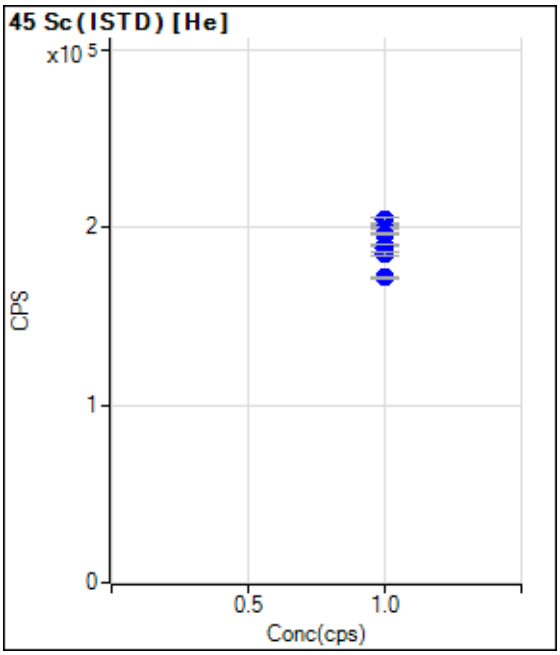



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 5128112.54 | | A | 1.3 |
| 2 | ☐ | 1.000 | | 5209257.08 | | A | 2.1 |
| 3 | ☐ | 1.000 | | 5258360.37 | | A | 0.9 |
| 4 | ☐ | 1.000 | | 5313076.76 | | A | 1.7 |
| 5 | ☐ | 1.000 | | 5162706.39 | | 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 |

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On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

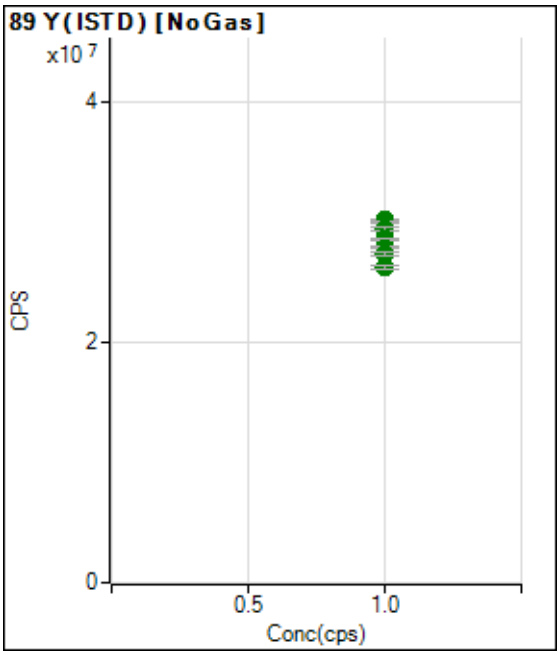



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 10595257.07 | | A | 0.9 |
| 2 | ☐ | 1.000 | | 10615233.25 | | A | 1.9 |
| 3 | ☐ | 1.000 | | 10426325.82 | | A | 1.0 |
| 4 | ☐ | 1.000 | | 10169340.96 | | A | 1.6 |
| 5 | ☐ | 1.000 | | 9918966.38 | | 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 |

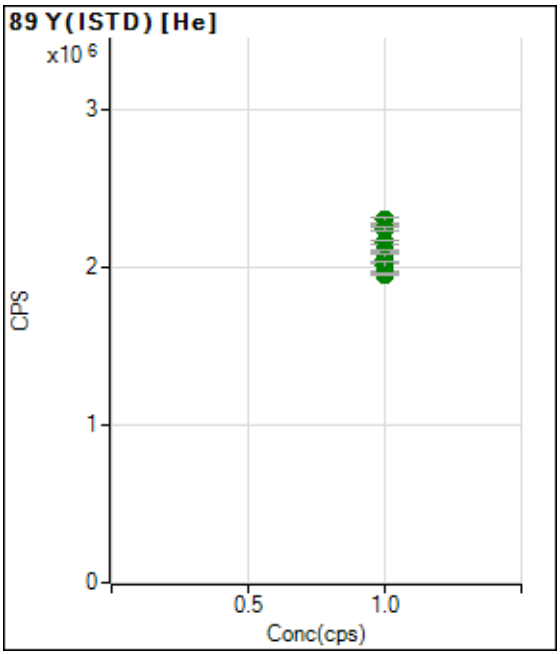



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 202003.88 | | P | 0.6 |
| 2 | ☐ | 1.000 | | 204067.27 | | P | 1.3 |
| 3 | ☐ | 1.000 | | 199103.87 | | P | 0.5 |
| 4 | ☐ | 1.000 | | 196270.47 | | P | 0.7 |
| 5 | ☐ | 1.000 | | 189822.09 | | 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

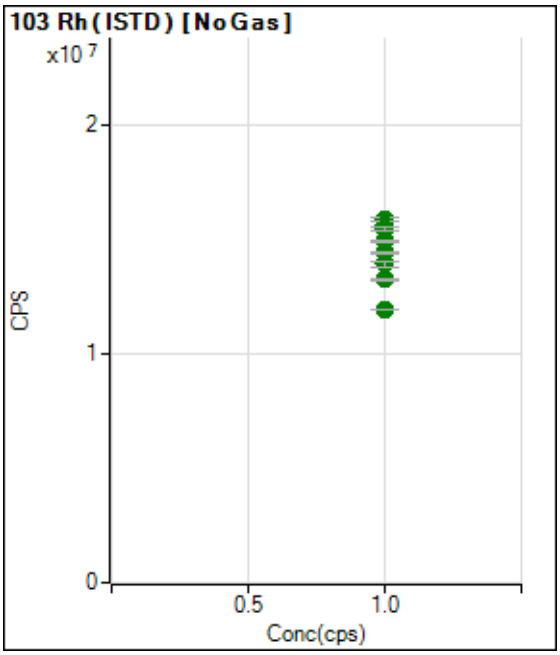



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 29978452.61 | | A | 0.5 |
| 2 | ☐ | 1.000 | | 30227603.72 | | A | 0.6 |
| 3 | ☐ | 1.000 | | 30008639.27 | | A | 0.6 |
| 4 | ☐ | 1.000 | | 29481259.84 | | A | 0.8 |
| 5 | ☐ | 1.000 | | 28674649.85 | | 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 |

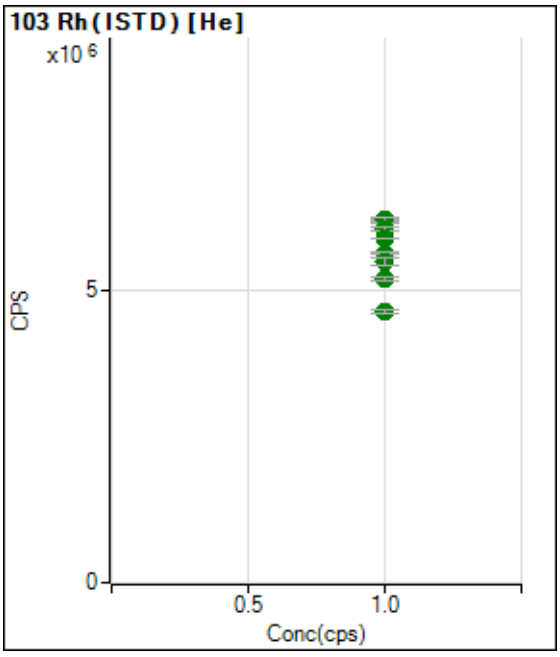



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 2263708.61 | | A | 0.7 |
| 2 | ☐ | 1.000 | | 2299076.91 | | A | 1.6 |
| 3 | ☐ | 1.000 | | 2240633.87 | | A | 1.5 |
| 4 | ☐ | 1.000 | | 2159814.08 | | A | 1.3 |
| 5 | ☐ | 1.000 | | 2103545.18 | | 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 |

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On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

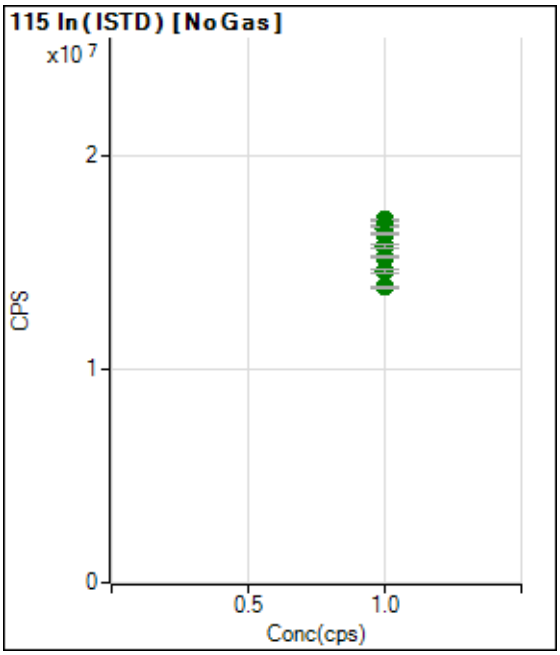



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 15878300.60 | | A | 0.9 |
| 2 | ☐ | 1.000 | | 15657737.40 | | A | 1.6 |
| 3 | ☐ | 1.000 | | 15474730.05 | | A | 0.9 |
| 4 | ☐ | 1.000 | | 14950595.19 | | A | 0.4 |
| 5 | ☐ | 1.000 | | 14435705.76 | | 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 |

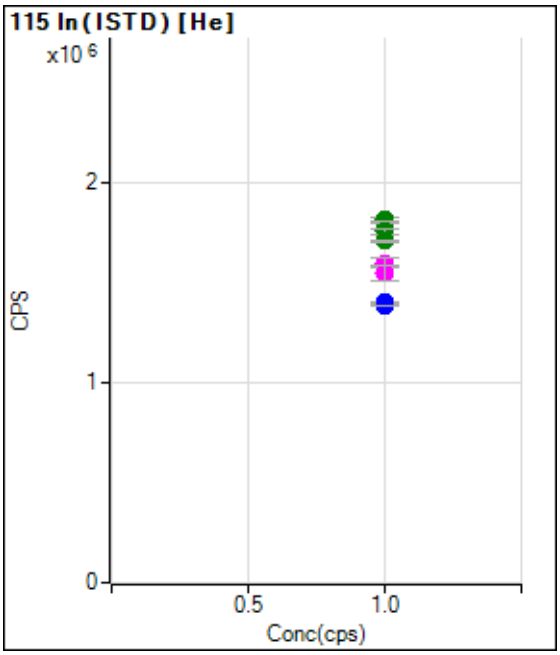



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 6190257.96 | | A | 0.6 |
| 2 | ☐ | 1.000 | | 6195228.66 | | A | 1.5 |
| 3 | ☐ | 1.000 | | 6050013.73 | | A | 1.0 |
| 4 | ☐ | 1.000 | | 5873463.04 | | A | 0.2 |
| 5 | ☐ | 1.000 | | 5616282.55 | | 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 |

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On:5/23/2025 9:40:12 AM
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LB :LB135886

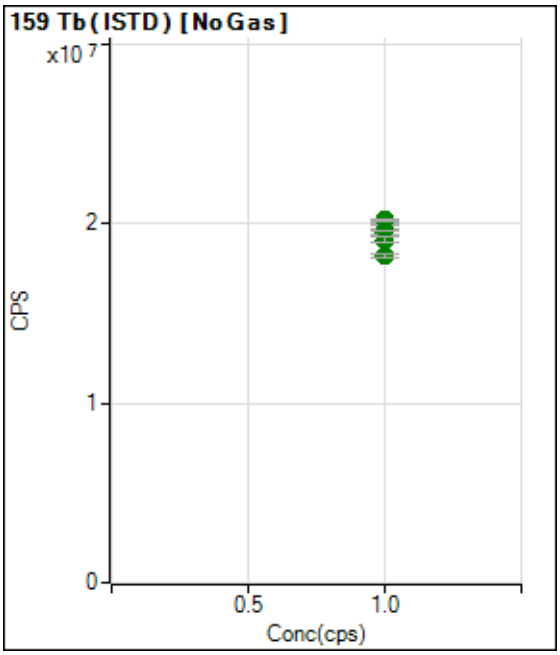



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 16979187.48 | | A | 0.5 |
| 2 | ☐ | 1.000 | | 16719967.70 | | A | 0.3 |
| 3 | ☐ | 1.000 | | 16535028.47 | | A | 1.4 |
| 4 | ☐ | 1.000 | | 16318431.50 | | A | 0.3 |
| 5 | ☐ | 1.000 | | 15734358.06 | | 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 |

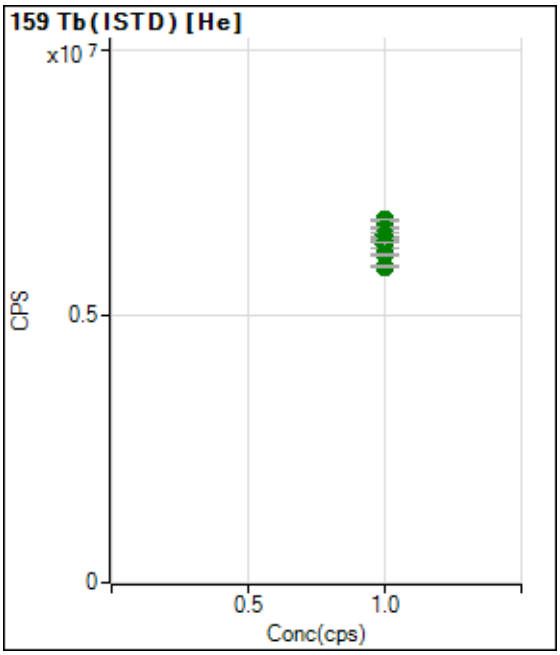



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 1818462.59 | | A | 1.2 |
| 2 | ☐ | 1.000 | | 1809711.85 | | A | 0.5 |
| 3 | ☐ | 1.000 | | 1759586.93 | | A | 1.5 |
| 4 | ☐ | 1.000 | | 1714731.74 | | A | 0.6 |
| 5 | ☐ | 1.000 | | 1604021.43 | | 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

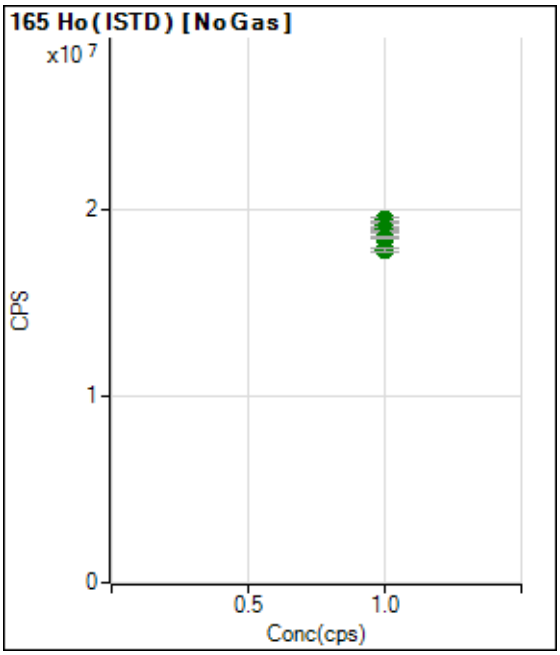



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 20180341.64 | | A | 1.0 |
| 2 | ☐ | 1.000 | | 20071298.73 | | A | 0.2 |
| 3 | ☐ | 1.000 | | 20091661.64 | | A | 1.3 |
| 4 | ☐ | 1.000 | | 20207425.25 | | A | 0.8 |
| 5 | ☐ | 1.000 | | 19652511.38 | | 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 |

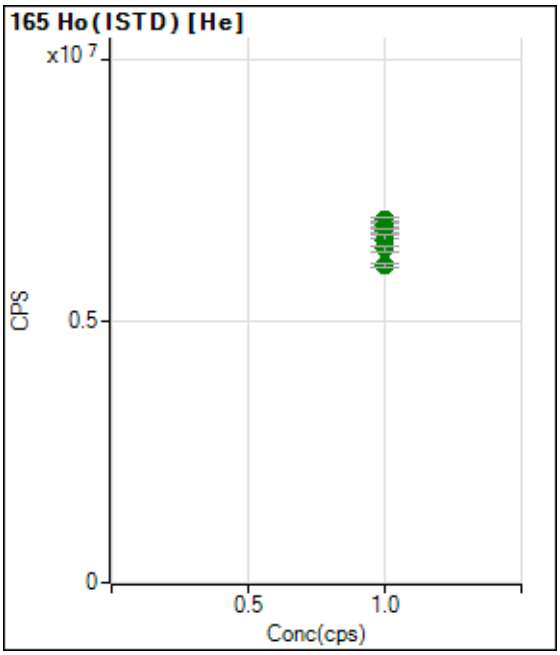



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 6780989.55 | | A | 0.7 |
| 2 | ☐ | 1.000 | | 6799037.33 | | A | 0.3 |
| 3 | ☐ | 1.000 | | 6644733.72 | | A | 0.4 |
| 4 | ☐ | 1.000 | | 6521671.43 | | A | 1.4 |
| 5 | ☐ | 1.000 | | 6438050.46 | | 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

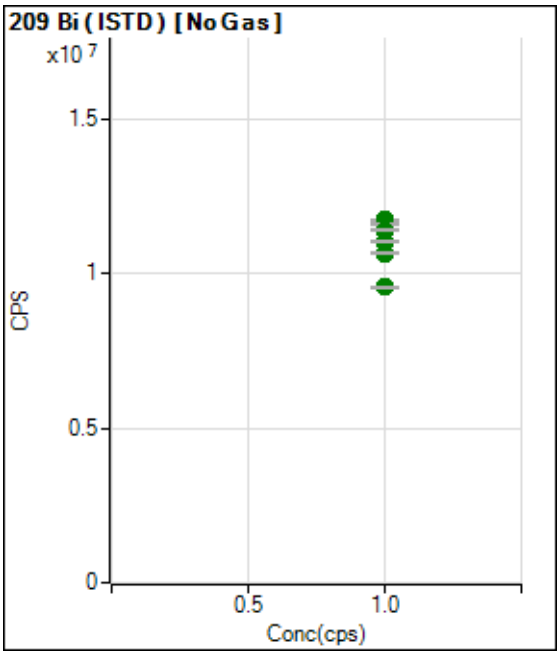



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 19130683.33 | | A | 1.3 |
| 2 | ☐ | 1.000 | | 19450057.63 | | A | 1.5 |
| 3 | ☐ | 1.000 | | 19304426.80 | | A | 0.7 |
| 4 | ☐ | 1.000 | | 19321868.18 | | A | 0.6 |
| 5 | ☐ | 1.000 | | 18976530.97 | | 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 |

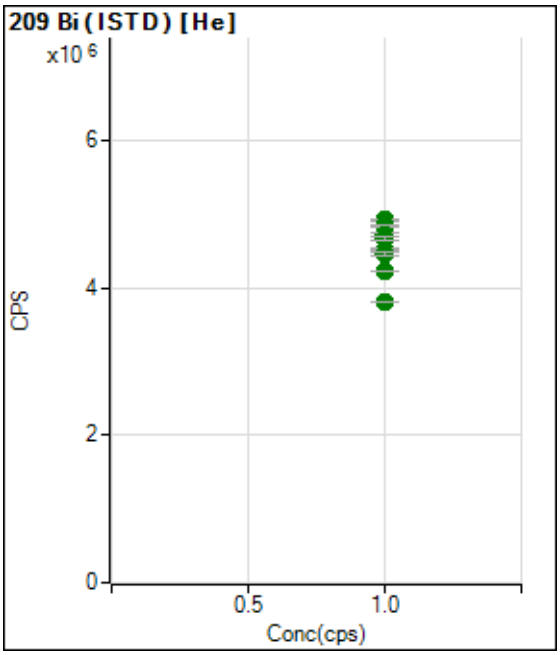



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 6834673.72 | | A | 0.7 |
| 2 | ☐ | 1.000 | | 6937708.44 | | A | 0.9 |
| 3 | ☐ | 1.000 | | 6790298.85 | | A | 0.8 |
| 4 | ☐ | 1.000 | | 6726023.72 | | A | 0.9 |
| 5 | ☐ | 1.000 | | 6584716.01 | | 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886




| | Rjct | 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 |




| | Rjct | 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 |

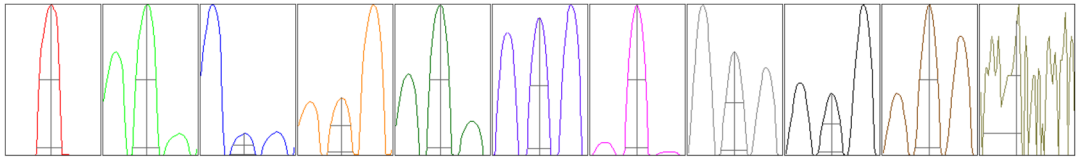
# US EPA Tune Check Report

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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| LB Number : | LB135886 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| LB Number : | LB135886 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| LB Number : | LB135886 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| LB Number : | LB135886 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| LB Number : | LB135886 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| LB Number : | LB135886 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

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|---|---|---|---|
| LB Number : | LB135886 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| LB Number : | LB135886 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| LB Number : | LB135886 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| LB Number : | LB135886 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| LB Number : | LB135886 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| LB Number : | LB135886 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

Reviewed By:Janvi
On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

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On:5/23/2025 9:40:12 AM
Inst Id :P8
LB :LB135886

| | | | |
|---|---|---|---|
| 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 |

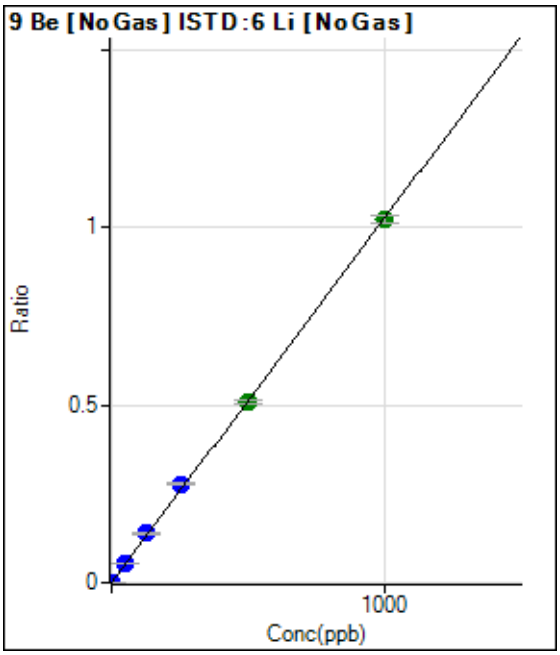
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

# Calibration for 009CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P8052225MS.b\
Analysis File: P8052225MS.batch.bin
DA Date-Time: 2025-05-22 13:50:07
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time |
|---|---|---|---|
| 1 | 004CALB.d | S00 | 2025-05-22 12:27:00 |
| 2 | 005CALS.d | S02 | 2025-05-22 12:30:23 |
| 3 | 007CALB.d | S03 | 2025-05-22 12:37:13 |
| 4 | 008CALS.d | S04 | 2025-05-22 12:41:56 |
| 5 | 009CALS.d | S05 | 2025-05-22 12:44:58 |
| 6 | 010CALS.d | S06 | 2025-05-22 12:48:00 |
| 7 | 011CALS.d | S07 | 2025-05-22 12:50:45 |
| 8 | 012CALS.d | S08 | 2025-05-22 12:53:32 |

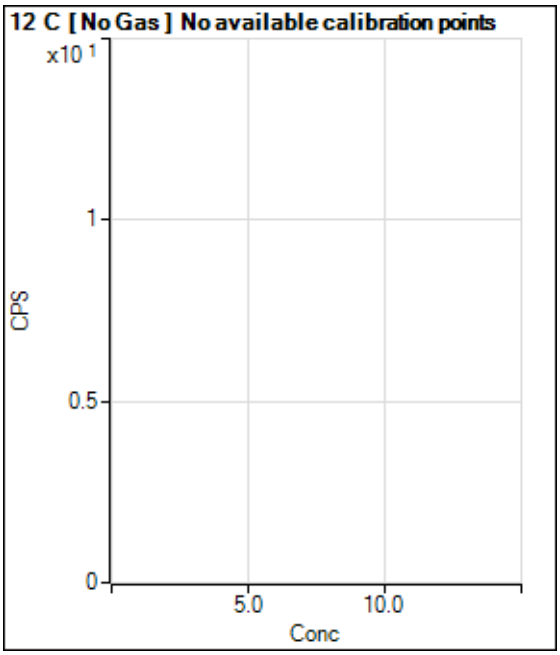
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 110.41 | 0.0000 | P | 11.4 |
| 2 | ☐ | 1.000 | 1.173 | 4581.40 | 0.0012 | P | 1.8 |
| 3 | ☐ | 50.000 | 55.077 | 207018.37 | 0.0565 | P | 0.9 |
| 4 | ☐ | 125.000 | 134.636 | 498102.59 | 0.1380 | P | 1.2 |
| 5 | ☐ | 250.000 | 270.894 | 970571.77 | 0.2777 | P | 1.4 |
| 6 | ☐ | 500.000 | 495.451 | 1739260.86 | 0.5078 | A | 1.4 |
| 7 | ☐ | 1000.000 | 995.593 | 3342464.98 | 1.0204 | A | 2.1 |
| 8 | ☐ | | | 742.43 | 0.0002 | P | 14.7 |

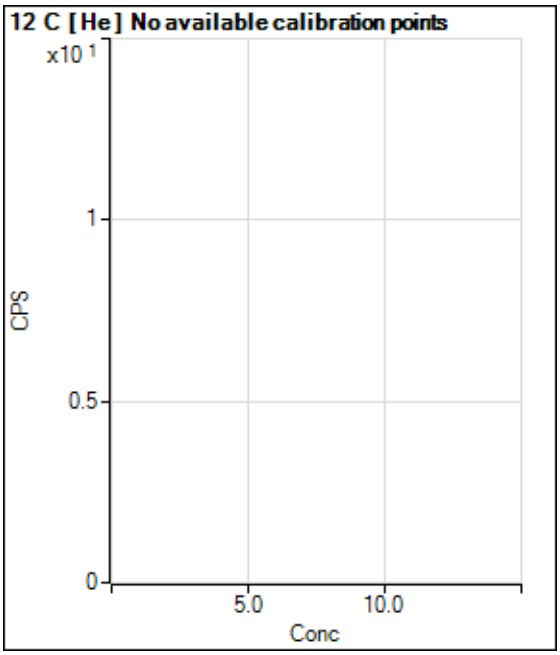
y = 0.0010 * x + 2.9928E-005
R = 0.9997
DL = 0.009967
BEC = 0.0292

Weight: <None>
Min Conc: 0

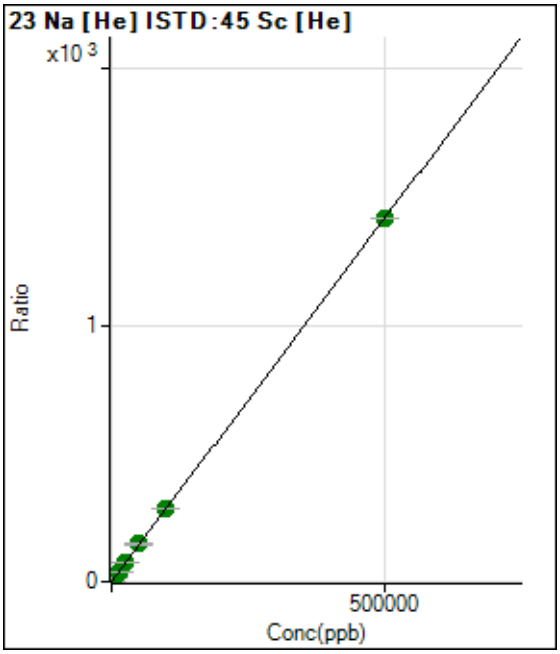



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 2972438.95 | | A | 0.7 |
| 2 | ☐ | | | 2846215.76 | | A | 0.8 |
| 3 | ☐ | | | 2854414.61 | | A | 0.7 |
| 4 | ☐ | | | 2796766.59 | | A | 0.7 |
| 5 | ☐ | | | 2771297.29 | | A | 0.2 |
| 6 | ☐ | | | 2786478.16 | | A | 0.6 |
| 7 | ☐ | | | 2844401.41 | | A | 1.1 |
| 8 | ☐ | | | 2535678.07 | | A | 0.0 |

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On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 19597.56 | | P | 1.8 |
| 2 | ☐ | | | 18940.09 | | P | 1.6 |
| 3 | ☐ | | | 18892.23 | | P | 2.1 |
| 4 | ☐ | | | 18829.92 | | P | 0.6 |
| 5 | ☐ | | | 19082.49 | | P | 1.9 |
| 6 | ☐ | | | 19326.13 | | P | 1.1 |
| 7 | ☐ | | | 20453.22 | | P | 0.7 |
| 8 | ☐ | | | 22195.71 | | P | 0.5 |

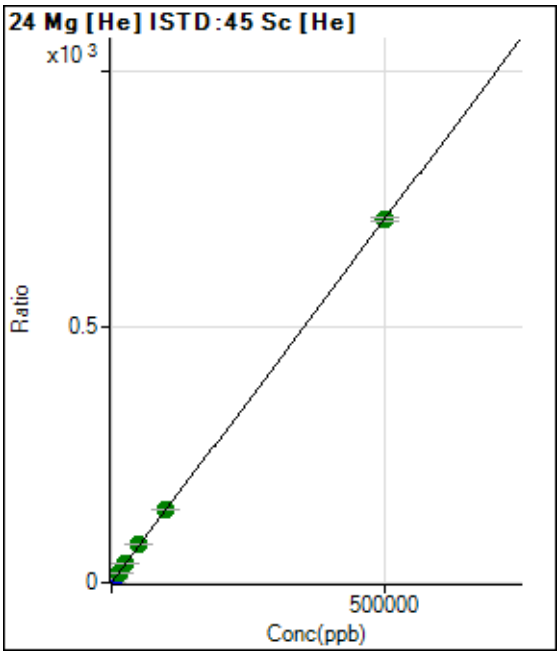



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 29251.57 | 0.2439 | P | 1.5 |
| 2 | ☐ | 500.000 | 522.913 | 212166.57 | 1.7253 | P | 0.6 |
| 3 | ☐ | 5000.000 | 5172.675 | 1782475.57 | 14.8977 | A | 2.0 |
| 4 | ☐ | 12500.000 | 12779.849 | 4226019.69 | 36.4482 | A | 1.9 |
| 5 | ☐ | 25000.000 | 25969.519 | 8434730.57 | 73.8136 | A | 0.6 |
| 6 | ☐ | 50000.000 | 51862.316 | 16227749.06 | 147.1659 | A | 3.0 |
| 7 | ☐ | 100000.00 | 100566.31 | 31342938.70 | 285.1406 | A | 0.8 |
| 8 | ☐ | 500000.00 | 499643.28 | 145081634.5 | 1,415.695 | A | 0.1 |

y = 0.0028 * x + 0.2439
R = 1.0000
DL = 3.962
BEC = 86.09

Weight: <None>
Min Conc: 0

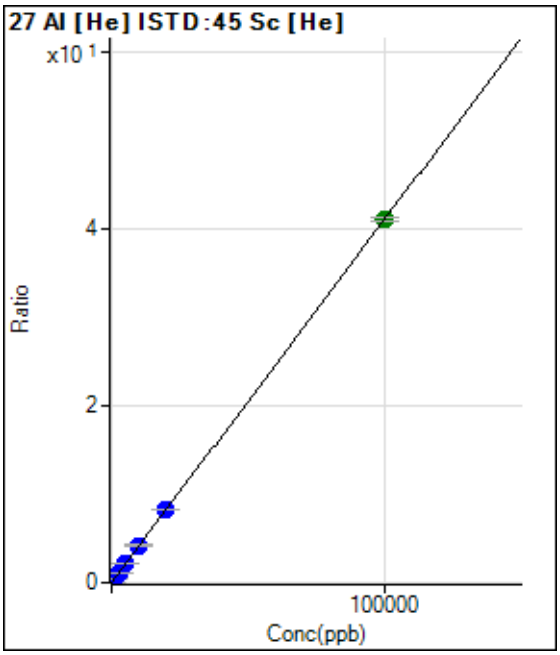
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Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 812.26 | 0.0068 | P | 7.7 |
| 2 | ☐ | 500.000 | 540.445 | 95113.03 | 0.7734 | P | 0.9 |
| 3 | ☐ | 5000.000 | 5320.933 | 903844.52 | 7.5546 | P | 0.5 |
| 4 | ☐ | 12500.000 | 12978.501 | 2135400.61 | 18.4169 | A | 1.1 |
| 5 | ☐ | 25000.000 | 25803.868 | 4183484.87 | 36.6099 | A | 1.6 |
| 6 | ☐ | 50000.000 | 52265.904 | 8176559.53 | 74.1466 | A | 0.7 |
| 7 | ☐ | 100000.00 | 101174.85 | 15775133.79 | 143.5246 | A | 1.2 |
| 8 | ☐ | 500000.00 | 499483.03 | 72610113.36 | 708.5300 | A | 1.0 |

y = 0.0014 * x + 0.0068
R = 1.0000
DL = 1.107
BEC = 4.774

Weight: <None>
Min Conc: 0

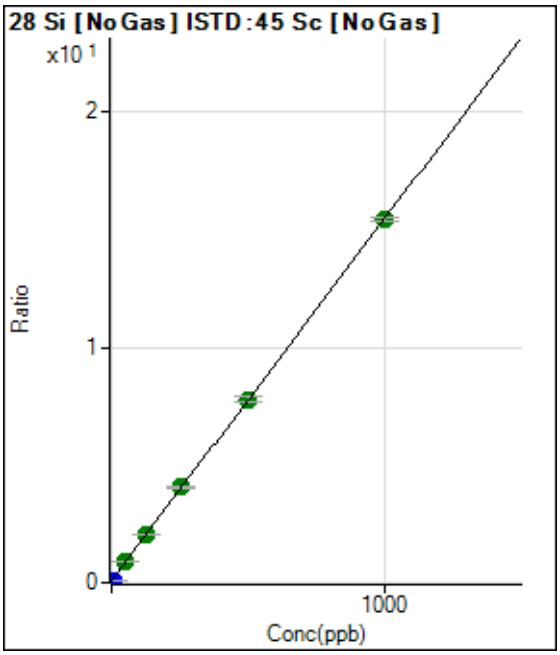



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 120.00 | 0.0010 | P | 16.0 |
| 2 | ☐ | 20.000 | 21.251 | 1195.62 | 0.0097 | P | 5.8 |
| 3 | ☐ | 1000.000 | 1022.523 | 50337.89 | 0.4207 | P | 0.5 |
| 4 | ☐ | 2500.000 | 2566.397 | 122261.11 | 1.0545 | P | 0.8 |
| 5 | ☐ | 5000.000 | 5149.817 | 241671.53 | 2.1149 | P | 0.3 |
| 6 | ☐ | 10000.000 | 10315.977 | 467062.47 | 4.2356 | P | 1.6 |
| 7 | ☐ | 20000.000 | 20197.798 | 911400.67 | 8.2919 | P | 1.2 |
| 8 | ☐ | 100000.00 | 99919.466 | 4203337.23 | 41.0166 | A | 1.0 |

y = 4.1049E-004 * x + 0.0010
R = 1.0000
DL = 1.169
BEC = 2.439

Weight: <None>
Min Conc: 0

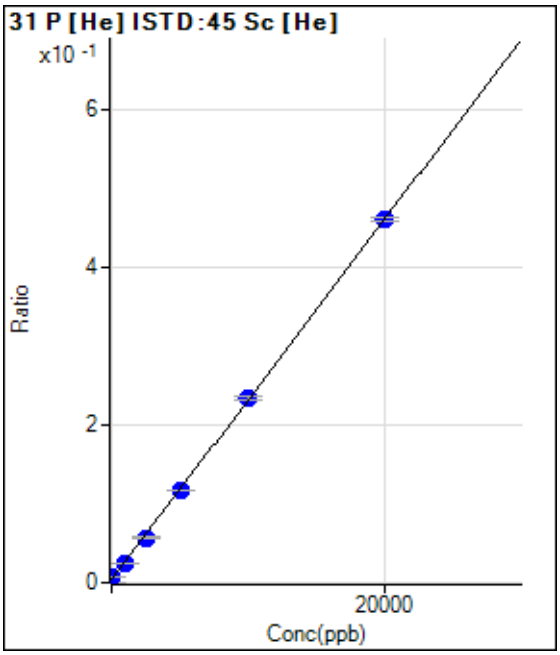
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 576126.20 | 0.0914 | P | 2.7 |
| 2 | ☐ | 10.000 | 0.569 | 637293.25 | 0.1001 | P | 3.4 |
| 3 | ☐ | 50.000 | 51.195 | 5631939.98 | 0.8788 | A | 1.1 |
| 4 | ☐ | 125.000 | 127.041 | 12680887.31 | 2.0454 | A | 1.8 |
| 5 | ☐ | 250.000 | 257.394 | 24005340.75 | 4.0503 | A | 0.6 |
| 6 | ☐ | 500.000 | 501.743 | 45691034.32 | 7.8085 | A | 2.8 |
| 7 | ☐ | 1000.000 | 997.059 | 87928838.69 | 15.4269 | A | 1.0 |
| 8 | ☐ | | | 609520.03 | 0.1112 | P | 5.3 |

y = 0.0154 * x + 0.0914
R = 0.9999
DL = 0.4772
BEC = 5.94

Weight: <None>
Min Conc: 0

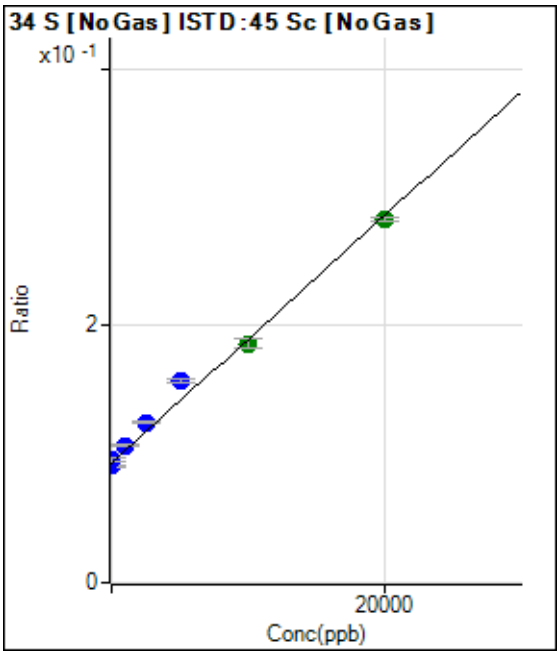



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | -142.395 | 63.34 | 0.0005 | P | 8.9 |
| 2 | ☐ | 0.000 | 142.395 | 865.59 | 0.0070 | P | 5.1 |
| 3 | ☐ | 1000.000 | 906.599 | 2932.55 | 0.0245 | P | 0.6 |
| 4 | ☐ | 2500.000 | 2325.213 | 6602.68 | 0.0569 | P | 1.6 |
| 5 | ☐ | 5000.000 | 4969.916 | 13416.28 | 0.1174 | P | 1.2 |
| 6 | ☐ | 10000.000 | 10104.846 | 25893.17 | 0.2348 | P | 2.0 |
| 7 | ☐ | 20000.000 | 19981.617 | 50627.92 | 0.4606 | P | 1.2 |
| 8 | ☐ | | | 83.33 | 0.0008 | P | 24.9 |

y = 2.2863E-005 * x + 0.0038
R = 0.9999
DL = 26.5
BEC = 165.5

Weight: <None>
Min Conc: 0

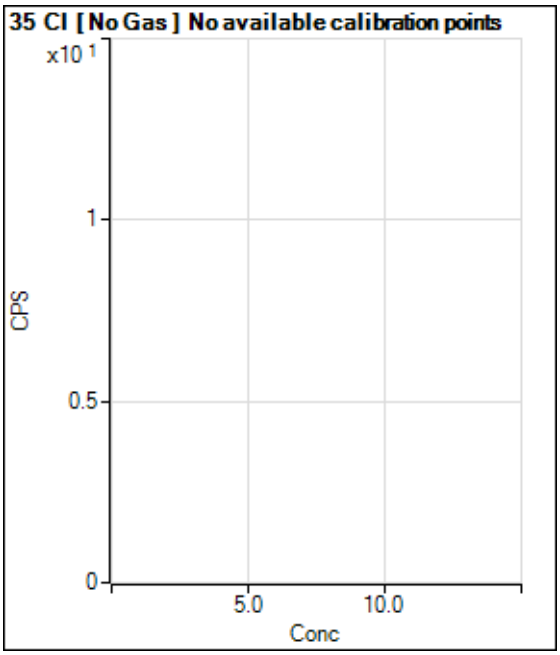
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | -229.623 | 574497.69 | 0.0911 | P | 1.1 |
| 2 | ☐ | 0.000 | 229.623 | 608133.90 | 0.0955 | P | 2.7 |
| 3 | ☐ | 1000.000 | 1391.570 | 683965.66 | 0.1067 | P | 0.7 |
| 4 | ☐ | 2500.000 | 3261.171 | 773404.98 | 0.1247 | P | 1.5 |
| 5 | ☐ | 5000.000 | 6708.474 | 935979.87 | 0.1580 | P | 1.9 |
| 6 | ☐ | 10000.000 | 9652.408 | 1090173.08 | 0.1863 | A | 3.6 |
| 7 | ☐ | 20000.000 | 19631.953 | 1610157.23 | 0.2825 | A | 1.2 |
| 8 | ☐ | | | 491381.87 | 0.0897 | P | 1.0 |

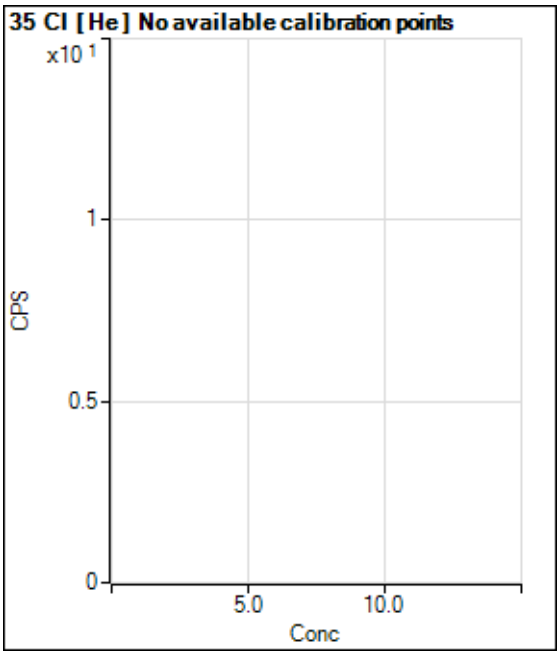
y = 9.6366E-006 * x + 0.0933
R = 0.9951
DL = 561
BEC = 9683

Weight: <None>
Min Conc: 0

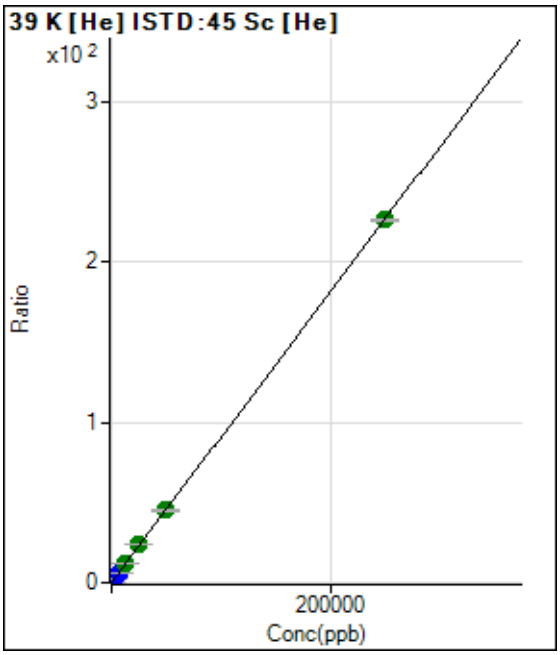



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 108434.32 | | P | 0.2 |
| 2 | ☐ | | | 109859.34 | | P | 0.3 |
| 3 | ☐ | | | 129177.45 | | P | 0.4 |
| 4 | ☐ | | | 129423.23 | | P | 0.8 |
| 5 | ☐ | | | 131647.64 | | P | 1.2 |
| 6 | ☐ | | | 140148.26 | | P | 1.2 |
| 7 | ☐ | | | 161539.18 | | P | 1.8 |
| 8 | ☐ | | | 120982.46 | | P | 0.2 |

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On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 411.12 | | P | 10.1 |
| 2 | ☐ | | | 450.01 | | P | 0.0 |
| 3 | ☐ | | | 447.79 | | P | 8.4 |
| 4 | ☐ | | | 472.24 | | P | 11.2 |
| 5 | ☐ | | | 477.79 | | P | 7.5 |
| 6 | ☐ | | | 517.79 | | P | 16.9 |
| 7 | ☐ | | | 655.58 | | P | 4.9 |
| 8 | ☐ | | | 414.45 | | P | 8.8 |

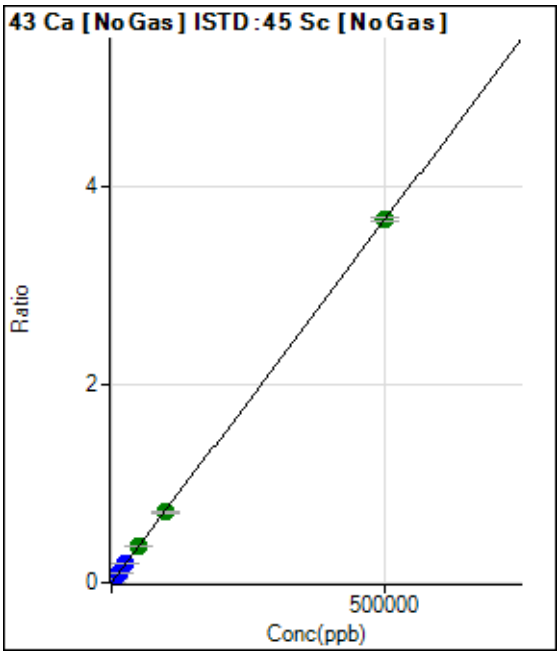



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 14753.18 | 0.1230 | P | 1.1 |
| 2 | ☐ | 500.000 | 518.599 | 72838.09 | 0.5923 | P | 0.6 |
| 3 | ☐ | 2500.000 | 2592.376 | 295373.93 | 2.4689 | P | 0.6 |
| 4 | ☐ | 6250.000 | 6426.012 | 688484.31 | 5.9379 | P | 0.9 |
| 5 | ☐ | 12500.000 | 12815.037 | 1339192.35 | 11.7194 | A | 1.1 |
| 6 | ☐ | 25000.000 | 26015.472 | 2609627.36 | 23.6645 | A | 0.9 |
| 7 | ☐ | 50000.000 | 49777.367 | 4964400.41 | 45.1668 | A | 1.2 |
| 8 | ☐ | 250000.00 | 249921.86 | 23189227.99 | 226.2787 | A | 0.2 |

y = 9.0491E-004 * x + 0.1230
R = 1.0000
DL = 4.295
BEC = 135.9

Weight: <None>
Min Conc: 0

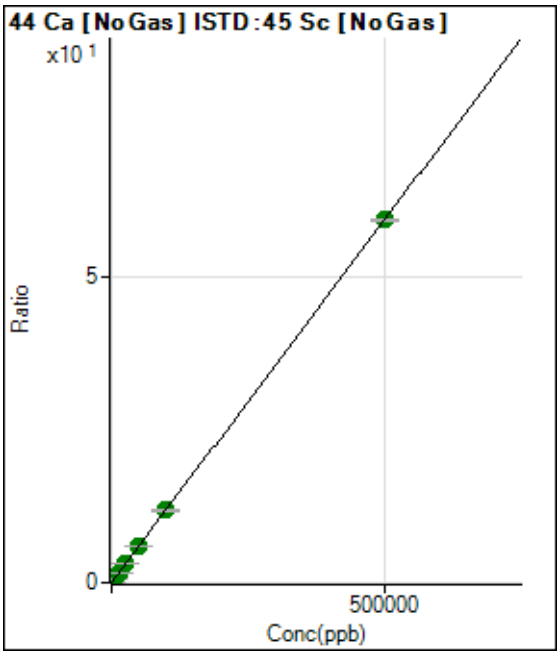
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1243.40 | 0.0002 | P | 8.4 |
| 2 | ☐ | 500.000 | 512.577 | 25103.06 | 0.0039 | P | 1.5 |
| 3 | ☐ | 5000.000 | 5023.190 | 236465.02 | 0.0369 | P | 0.9 |
| 4 | ☐ | 12500.000 | 12458.056 | 565554.10 | 0.0912 | P | 1.4 |
| 5 | ☐ | 25000.000 | 25777.153 | 1117157.66 | 0.1885 | P | 1.4 |
| 6 | ☐ | 50000.000 | 50065.659 | 2141426.05 | 0.3660 | A | 3.0 |
| 7 | ☐ | 100000.00 | 97329.516 | 4054334.66 | 0.7113 | A | 2.9 |
| 8 | ☐ | 500000.00 | 500489.47 | 20035887.76 | 3.6568 | A | 0.9 |

y = 7.3060E-006 * x + 1.9735E-004
R = 1.0000
DL = 6.793
BEC = 27.01

Weight: <None>
Min Conc: 0

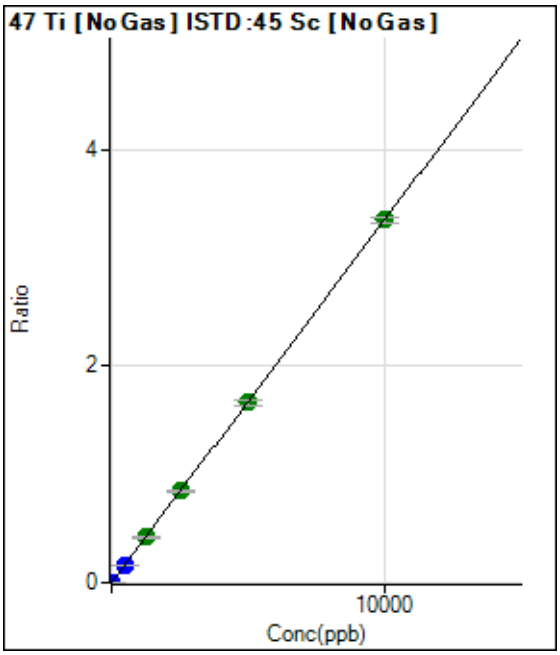



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 35659.75 | 0.0057 | P | 2.3 |
| 2 | ☐ | 500.000 | 518.234 | 428324.38 | 0.0673 | P | 2.4 |
| 3 | ☐ | 5000.000 | 4984.035 | 3834201.64 | 0.5983 | A | 1.4 |
| 4 | ☐ | 12500.000 | 12321.343 | 9118751.67 | 1.4707 | A | 1.3 |
| 5 | ☐ | 25000.000 | 25600.540 | 18070755.70 | 3.0496 | A | 1.8 |
| 6 | ☐ | 50000.000 | 50259.931 | 35003045.87 | 5.9817 | A | 2.5 |
| 7 | ☐ | 100000.00 | 99374.884 | 67382906.22 | 11.8216 | A | 2.1 |
| 8 | ☐ | 500000.00 | 500073.61 | 325856892.9 | 59.4658 | A | 0.8 |

y = 1.1890E-004 * x + 0.0057
R = 1.0000
DL = 3.325
BEC = 47.56

Weight: <None>
Min Conc: 0

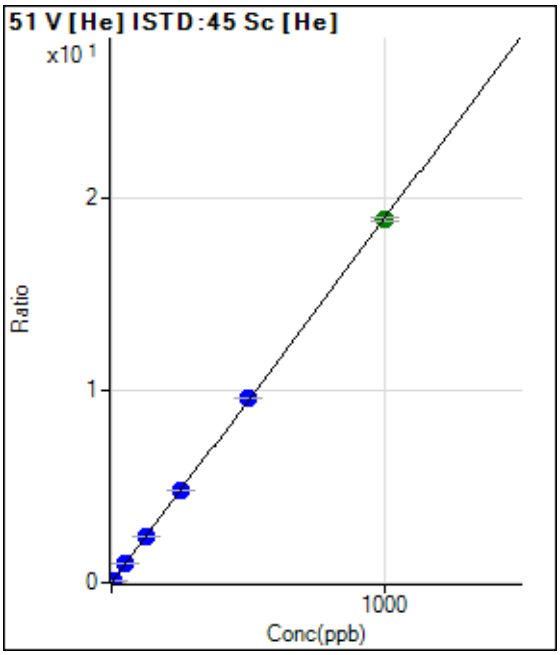
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 208.89 | 0.0000 | P | 8.7 |
| 2 | ☐ | 5.000 | 5.460 | 11840.53 | 0.0019 | P | 4.1 |
| 3 | ☐ | 500.000 | 501.268 | 1075321.21 | 0.1678 | P | 0.9 |
| 4 | ☐ | 1250.000 | 1251.744 | 2597239.27 | 0.4189 | A | 2.2 |
| 5 | ☐ | 2500.000 | 2535.066 | 5026963.54 | 0.8484 | A | 2.4 |
| 6 | ☐ | 5000.000 | 4975.029 | 9741837.84 | 1.6650 | A | 3.3 |
| 7 | ☐ | 10000.000 | 10003.437 | 19082177.49 | 3.3478 | A | 1.4 |
| 8 | ☐ | | | 2099.07 | 0.0004 | P | 4.3 |

y = 3.3466E-004 * x + 3.3084E-005
R = 1.0000
DL = 0.02586
BEC = 0.09886

Weight: <None>
Min Conc: 0

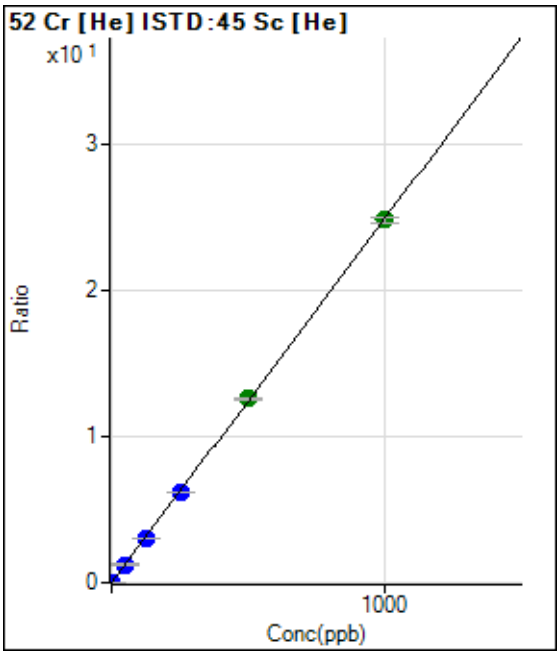



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 13.33 | 0.0001 | P | 66.3 |
| 2 | ☐ | 5.000 | 5.251 | 12244.20 | 0.0996 | P | 2.5 |
| 3 | ☐ | 50.000 | 50.840 | 115203.63 | 0.9629 | P | 0.4 |
| 4 | ☐ | 125.000 | 124.999 | 274485.09 | 2.3674 | P | 0.5 |
| 5 | ☐ | 250.000 | 252.089 | 545540.09 | 4.7742 | P | 0.7 |
| 6 | ☐ | 500.000 | 506.493 | 1057778.47 | 9.5921 | P | 0.6 |
| 7 | ☐ | 1000.000 | 996.188 | 2073782.47 | 18.8660 | A | 1.0 |
| 8 | ☐ | | | 513.35 | 0.0050 | P | 1.7 |

y = 0.0189 * x + 1.1121E-004
R = 1.0000
DL = 0.01169
BEC = 0.005872

Weight: <None>
Min Conc: 0

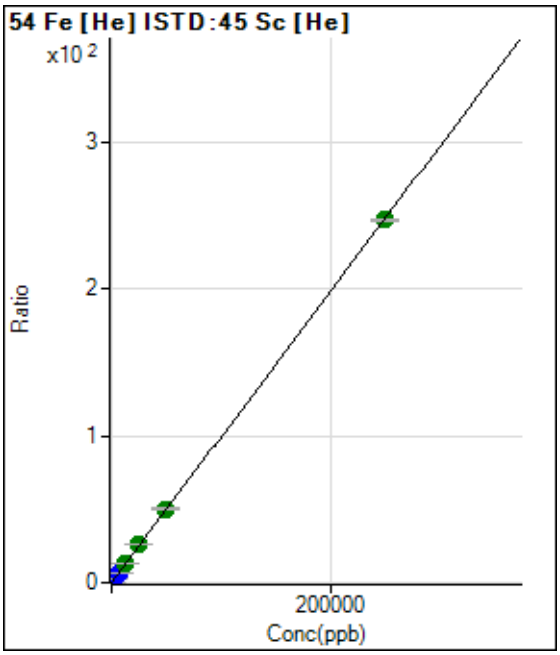
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 864.48 | 0.0072 | P | 7.2 |
| 2 | ☐ | 2.000 | 2.041 | 7131.84 | 0.0580 | P | 1.0 |
| 3 | ☐ | 50.000 | 49.897 | 149416.64 | 1.2489 | P | 0.7 |
| 4 | ☐ | 125.000 | 123.529 | 357254.30 | 3.0812 | P | 0.4 |
| 5 | ☐ | 250.000 | 249.501 | 710301.69 | 6.2160 | P | 0.4 |
| 6 | ☐ | 500.000 | 504.990 | 1386574.98 | 12.5738 | A | 1.0 |
| 7 | ☐ | 1000.000 | 997.818 | 2729817.01 | 24.8378 | A | 1.9 |
| 8 | ☐ | | | 3981.70 | 0.0389 | P | 1.6 |

y = 0.0249 * x + 0.0072
R = 1.0000
DL = 0.06254
BEC = 0.2897

Weight: <None>
Min Conc: 0

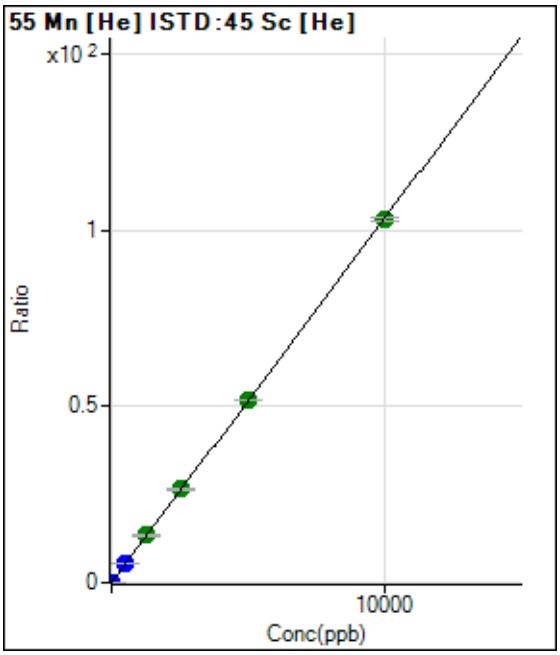



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 620.02 | 0.0052 | P | 1.1 |
| 2 | ☐ | 50.000 | 55.944 | 7454.22 | 0.0606 | P | 1.3 |
| 3 | ☐ | 2500.000 | 2613.096 | 310458.94 | 2.5950 | P | 1.7 |
| 4 | ☐ | 6250.000 | 6457.375 | 742637.43 | 6.4051 | P | 1.3 |
| 5 | ☐ | 12500.000 | 13236.107 | 1499626.35 | 13.1235 | A | 0.2 |
| 6 | ☐ | 25000.000 | 26425.404 | 2888594.64 | 26.1955 | A | 1.9 |
| 7 | ☐ | 50000.000 | 50895.037 | 5545107.42 | 50.4474 | A | 0.3 |
| 8 | ☐ | 250000.00 | 249635.33 | 25356043.79 | 247.4195 | A | 0.8 |

y = 9.9110E-004 * x + 0.0052
R = 1.0000
DL = 0.1683
BEC = 5.215

Weight: <None>
Min Conc: 0

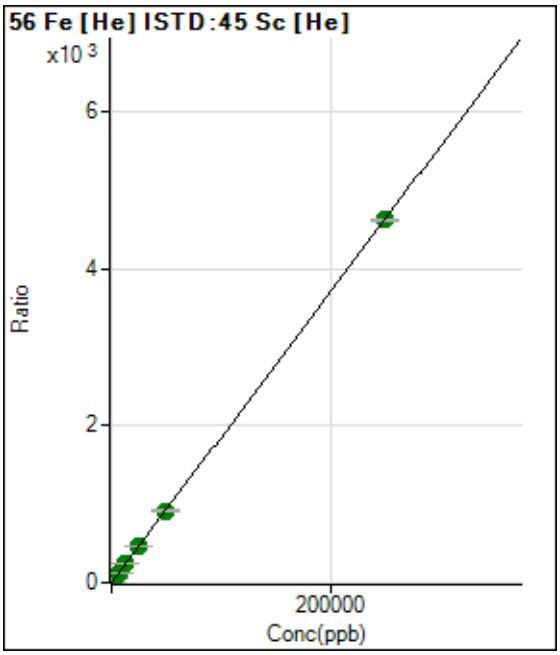
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1016.71 | 0.0085 | P | 6.8 |
| 2 | ☐ | 1.000 | 1.049 | 2376.89 | 0.0193 | P | 4.6 |
| 3 | ☐ | 500.000 | 511.357 | 633863.77 | 5.2981 | P | 0.4 |
| 4 | ☐ | 1250.000 | 1297.345 | 1556963.55 | 13.4285 | A | 1.8 |
| 5 | ☐ | 2500.000 | 2569.104 | 3037674.78 | 26.5839 | A | 1.0 |
| 6 | ☐ | 5000.000 | 5023.223 | 5731020.89 | 51.9698 | A | 0.7 |
| 7 | ☐ | 10000.000 | 9964.627 | 11330316.91 | 103.0848 | A | 1.0 |
| 8 | ☐ | | | 4849.77 | 0.0473 | P | 3.6 |

y = 0.0103 * x + 0.0085
R = 1.0000
DL = 0.1663
BEC = 0.8193

Weight: <None>
Min Conc: 0

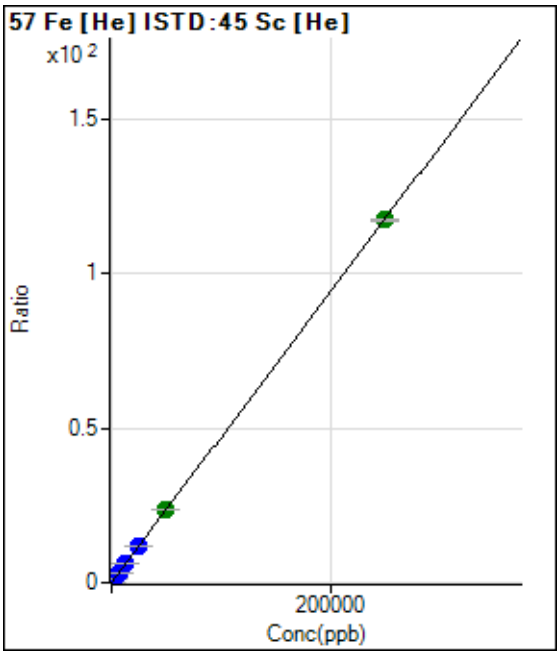



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 8179.08 | 0.0682 | P | 2.2 |
| 2 | ☐ | 50.000 | 53.228 | 129381.21 | 1.0521 | P | 1.5 |
| 3 | ☐ | 2500.000 | 2589.098 | 5734169.85 | 47.9277 | A | 2.2 |
| 4 | ☐ | 6250.000 | 6436.571 | 13803001.04 | 119.0483 | A | 1.4 |
| 5 | ☐ | 12500.000 | 12847.602 | 27145539.04 | 237.5563 | A | 0.4 |
| 6 | ☐ | 25000.000 | 25599.127 | 52188692.55 | 473.2685 | A | 1.4 |
| 7 | ☐ | 50000.000 | 49419.449 | 100401075.1 | 913.5875 | A | 3.0 |
| 8 | ☐ | 250000.00 | 250033.26 | 473660410.7 | 4,621.937 | A | 0.7 |

y = 0.0185 * x + 0.0682
R = 1.0000
DL = 0.2394
BEC = 3.689

Weight: <None>
Min Conc: 0

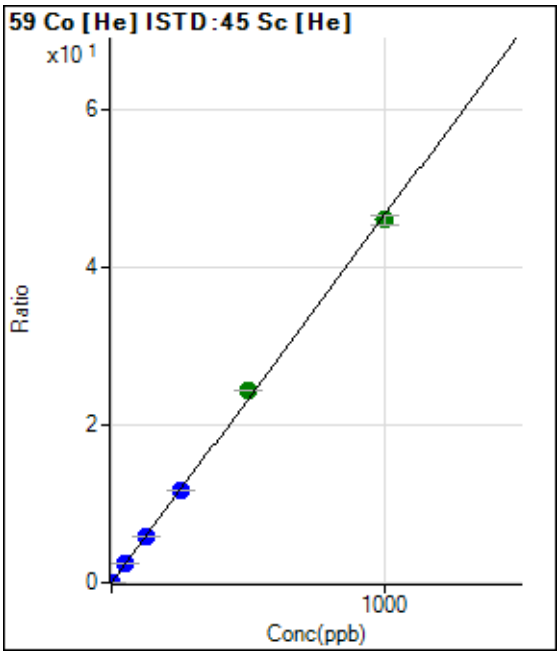
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 236.68 | 0.0020 | P | 6.8 |
| 2 | ☐ | 50.000 | 51.474 | 3211.51 | 0.0261 | P | 0.4 |
| 3 | ☐ | 2500.000 | 2558.039 | 143770.11 | 1.2017 | P | 0.8 |
| 4 | ☐ | 6250.000 | 6315.675 | 343665.85 | 2.9640 | P | 0.6 |
| 5 | ☐ | 12500.000 | 12628.496 | 677018.03 | 5.9247 | P | 0.6 |
| 6 | ☐ | 25000.000 | 25164.176 | 1301637.40 | 11.8038 | P | 1.3 |
| 7 | ☐ | 50000.000 | 50412.848 | 2599178.87 | 23.6453 | A | 0.8 |
| 8 | ☐ | 250000.00 | 249892.36 | 12010631.77 | 117.2001 | A | 0.5 |

y = 4.6899E-004 * x + 0.0020
R = 1.0000
DL = 0.8624
BEC = 4.208

Weight: <None>
Min Conc: 0

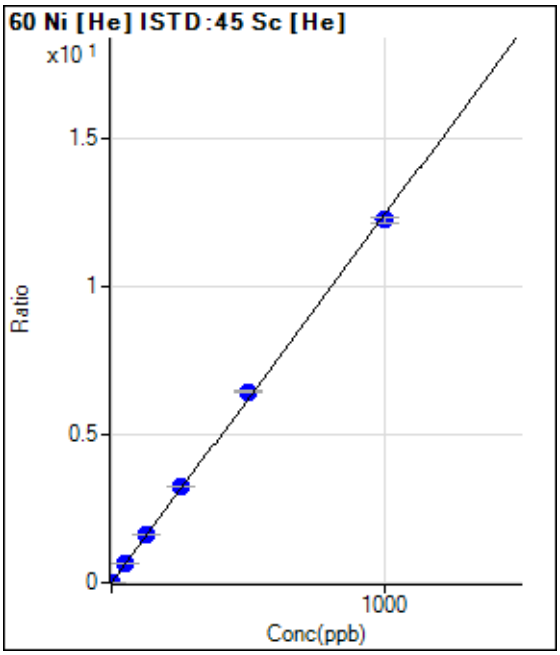



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 42.22 | 0.0004 | P | 11.6 |
| 2 | ☐ | 1.000 | 1.091 | 6299.23 | 0.0512 | P | 0.8 |
| 3 | ☐ | 50.000 | 51.475 | 287085.03 | 2.3995 | P | 0.6 |
| 4 | ☐ | 125.000 | 126.593 | 684156.57 | 5.9007 | P | 0.5 |
| 5 | ☐ | 250.000 | 252.790 | 1346369.51 | 11.7825 | P | 0.8 |
| 6 | ☐ | 500.000 | 523.196 | 2689250.20 | 24.3858 | A | 0.4 |
| 7 | ☐ | 1000.000 | 987.431 | 5058093.57 | 46.0232 | A | 2.3 |
| 8 | ☐ | | | 5710.09 | 0.0557 | P | 1.2 |

y = 0.0466 * x + 3.5188E-004
R = 0.9996
DL = 0.002618
BEC = 0.00755

Weight: <None>
Min Conc: 0

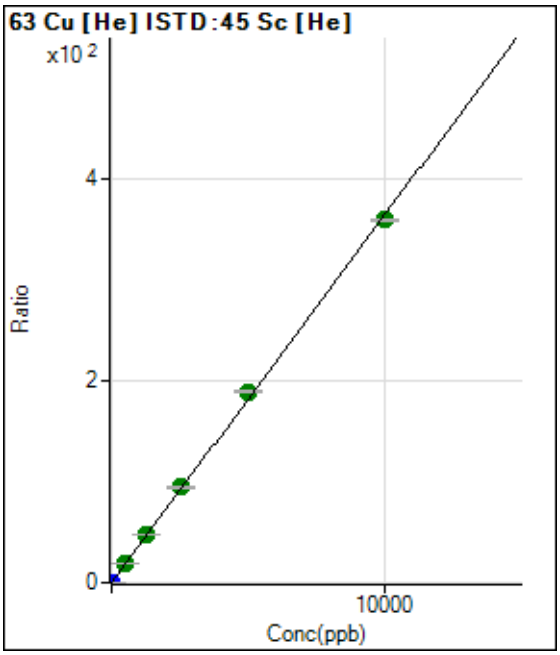
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On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 242.23 | 0.0020 | P | 5.9 |
| 2 | ☐ | 1.000 | 0.984 | 1753.45 | 0.0143 | P | 3.5 |
| 3 | ☐ | 50.000 | 53.676 | 80108.02 | 0.6696 | P | 0.8 |
| 4 | ☐ | 125.000 | 131.464 | 189798.92 | 1.6370 | P | 0.2 |
| 5 | ☐ | 250.000 | 262.671 | 373515.42 | 3.2687 | P | 0.2 |
| 6 | ☐ | 500.000 | 518.648 | 711507.80 | 6.4521 | P | 1.2 |
| 7 | ☐ | 1000.000 | 986.517 | 1348687.26 | 12.2708 | P | 1.4 |
| 8 | ☐ | | | 3353.75 | 0.0327 | P | 2.4 |

y = 0.0124 * x + 0.0020
R = 0.9996
DL = 0.02896
BEC = 0.1623

Weight: <None>
Min Conc: 0

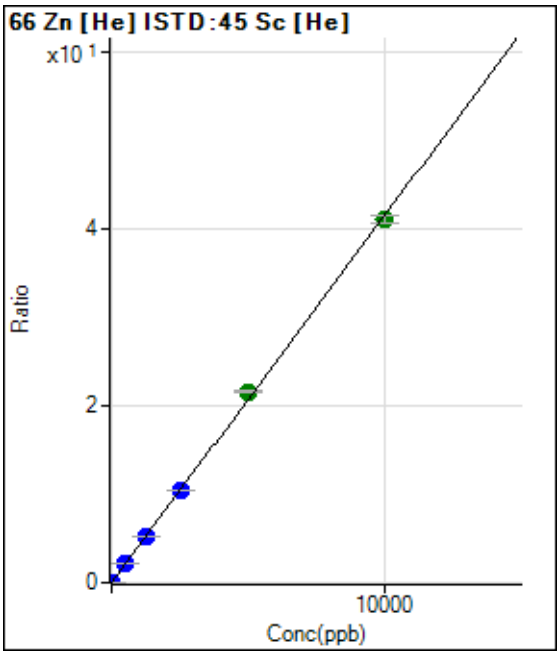



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 2285.77 | 0.0191 | P | 1.1 |
| 2 | ☐ | 2.000 | 2.074 | 11633.73 | 0.0946 | P | 1.4 |
| 3 | ☐ | 500.000 | 537.009 | 2342833.45 | 19.5821 | A | 1.1 |
| 4 | ☐ | 1250.000 | 1305.595 | 5516830.89 | 47.5813 | A | 0.7 |
| 5 | ☐ | 2500.000 | 2595.895 | 10808161.64 | 94.5863 | A | 0.9 |
| 6 | ☐ | 5000.000 | 5184.669 | 20831375.94 | 188.8941 | A | 0.9 |
| 7 | ☐ | 10000.000 | 9874.892 | 39543063.30 | 359.7567 | A | 0.7 |
| 8 | ☐ | | | 6638.28 | 0.0648 | P | 0.9 |

y = 0.0364 * x + 0.0191
R = 0.9997
DL = 0.01655
BEC = 0.5231

Weight: <None>
Min Conc: 0

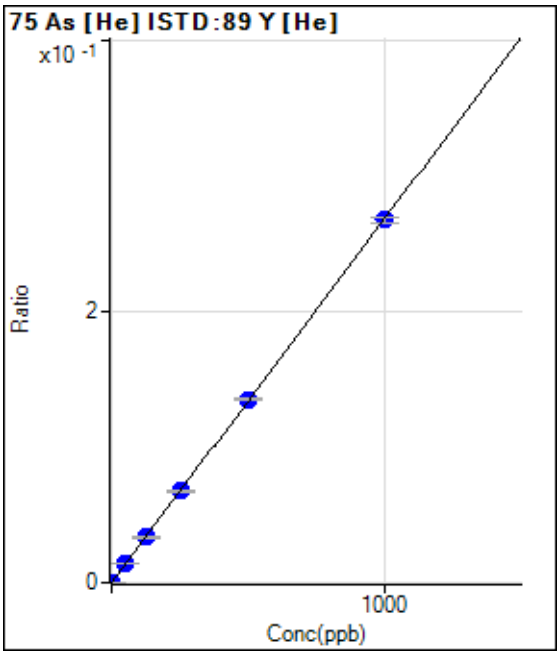
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 568.91 | 0.0047 | P | 4.4 |
| 2 | ☐ | 2.000 | 5.157 | 3209.29 | 0.0261 | P | 2.8 |
| 3 | ☐ | 500.000 | 514.161 | 255291.82 | 2.1338 | P | 0.4 |
| 4 | ☐ | 1250.000 | 1266.178 | 608466.33 | 5.2478 | P | 0.4 |
| 5 | ☐ | 2500.000 | 2529.224 | 1197312.17 | 10.4779 | P | 0.1 |
| 6 | ☐ | 5000.000 | 5207.394 | 2378403.28 | 21.5679 | A | 0.9 |
| 7 | ☐ | 10000.000 | 9886.266 | 4499761.53 | 40.9425 | A | 2.1 |
| 8 | ☐ | | | 18989.49 | 0.1853 | P | 1.2 |

y = 0.0041 * x + 0.0047
R = 0.9997
DL = 0.1528
BEC = 1.145

Weight: <None>
Min Conc: 0

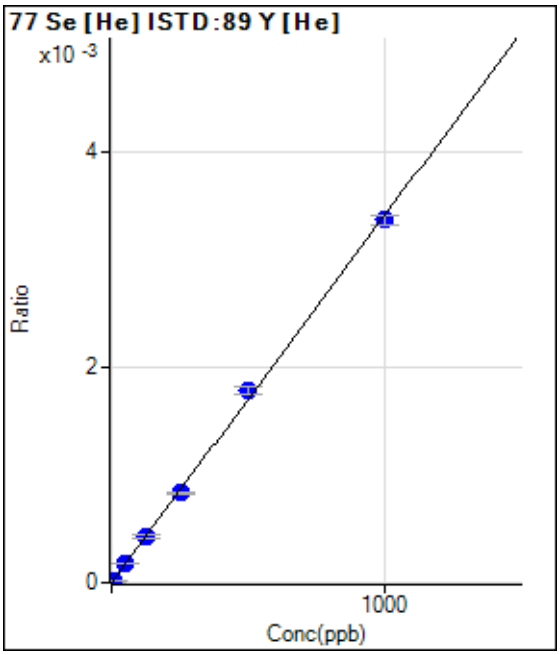



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 7.78 | 0.0000 | P | 25.2 |
| 2 | ☐ | 1.000 | 0.961 | 344.45 | 0.0003 | P | 9.5 |
| 3 | ☐ | 50.000 | 50.646 | 17457.60 | 0.0136 | P | 1.7 |
| 4 | ☐ | 125.000 | 125.196 | 41616.83 | 0.0336 | P | 1.9 |
| 5 | ☐ | 250.000 | 251.301 | 82416.99 | 0.0675 | P | 1.6 |
| 6 | ☐ | 500.000 | 504.276 | 159488.68 | 0.1354 | P | 1.1 |
| 7 | ☐ | 1000.000 | 997.480 | 308937.66 | 0.2678 | P | 1.3 |
| 8 | ☐ | | | 125.56 | 0.0001 | P | 8.7 |

y = 2.6844E-004 * x + 6.0688E-006
R = 1.0000
DL = 0.01708
BEC = 0.02261

Weight: <None>
Min Conc: 0

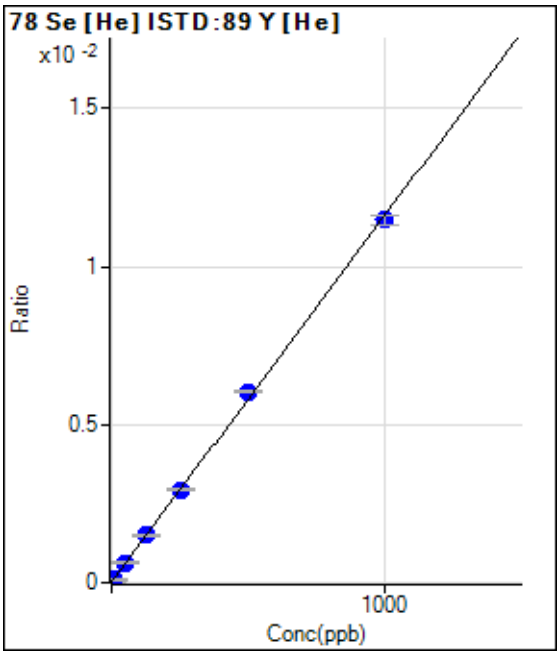
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1.11 | 0.0000 | P | 173. |
| 2 | ☐ | 5.000 | 3.745 | 17.78 | 0.0000 | P | 38.7 |
| 3 | ☐ | 50.000 | 51.096 | 224.45 | 0.0002 | P | 3.9 |
| 4 | ☐ | 125.000 | 125.446 | 530.02 | 0.0004 | P | 4.3 |
| 5 | ☐ | 250.000 | 244.879 | 1020.05 | 0.0008 | P | 2.5 |
| 6 | ☐ | 500.000 | 525.190 | 2107.96 | 0.0018 | P | 4.3 |
| 7 | ☐ | 1000.000 | 988.581 | 3885.02 | 0.0034 | P | 2.7 |
| 8 | ☐ | | | 0.00 | 0.0000 | P | |

y = 3.4058E-006 * x + 8.5971E-007
R = 0.9995
DL = 1.312
BEC = 0.2524

Weight: <None>
Min Conc: 0

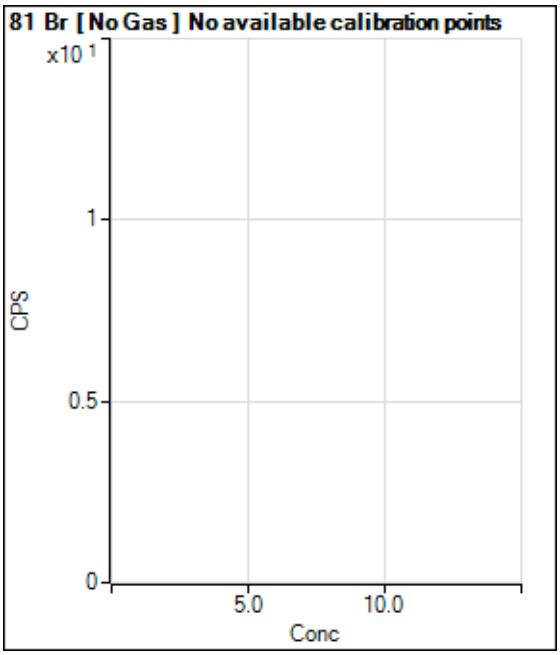



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 23.33 | 0.0000 | P | 14.2 |
| 2 | ☐ | 5.000 | 6.509 | 122.22 | 0.0001 | P | 27.2 |
| 3 | ☐ | 50.000 | 52.985 | 811.14 | 0.0006 | P | 9.3 |
| 4 | ☐ | 125.000 | 127.626 | 1853.47 | 0.0015 | P | 2.6 |
| 5 | ☐ | 250.000 | 252.909 | 3601.61 | 0.0029 | P | 3.4 |
| 6 | ☐ | 500.000 | 519.709 | 7115.19 | 0.0060 | P | 0.5 |
| 7 | ☐ | 1000.000 | 988.933 | 13237.41 | 0.0115 | P | 3.0 |
| 8 | ☐ | | | 35.56 | 0.0000 | P | 46.6 |

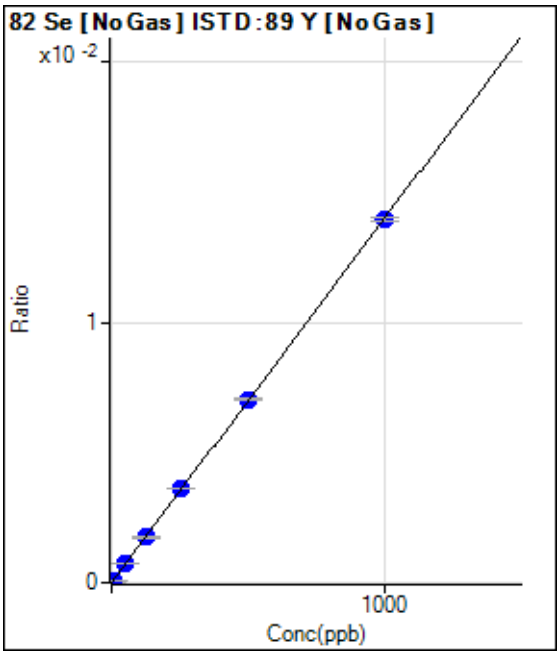
y = 1.1585E-005 * x + 1.8186E-005
R = 0.9997
DL = 0.6679
BEC = 1.57

Weight: <None>
Min Conc: 0

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 22010.68 | | P | 1.6 |
| 2 | ☐ | | | 22538.15 | | P | 1.0 |
| 3 | ☐ | | | 22643.87 | | P | 1.2 |
| 4 | ☐ | | | 21306.29 | | P | 1.5 |
| 5 | ☐ | | | 20990.30 | | P | 0.6 |
| 6 | ☐ | | | 20436.08 | | P | 1.7 |
| 7 | ☐ | | | 20495.06 | | P | 2.7 |
| 8 | ☐ | | | 20233.58 | | P | 2.0 |

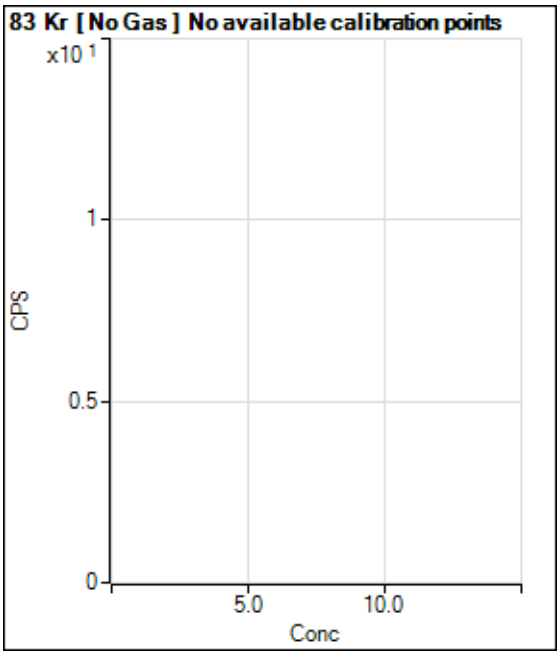



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 32.22 | 0.0000 | P | 68.8 |
| 2 | ☐ | 5.000 | 5.293 | 1302.32 | 0.0001 | P | 5.6 |
| 3 | ☐ | 50.000 | 52.099 | 12570.36 | 0.0007 | P | 2.7 |
| 4 | ☐ | 125.000 | 124.468 | 29943.62 | 0.0017 | P | 1.7 |
| 5 | ☐ | 250.000 | 257.328 | 60205.12 | 0.0036 | P | 0.9 |
| 6 | ☐ | 500.000 | 503.654 | 114760.10 | 0.0070 | P | 0.7 |
| 7 | ☐ | 1000.000 | 996.301 | 221319.24 | 0.0139 | P | 1.2 |
| 8 | ☐ | | | 225.56 | 0.0000 | P | 34.2 |

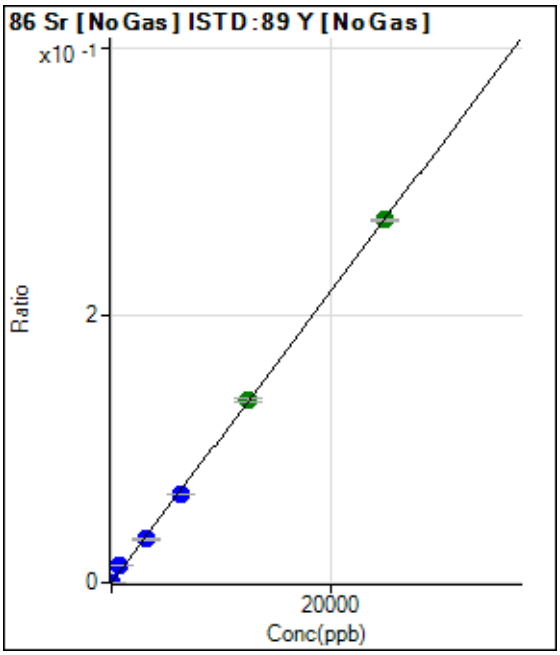
y = 1.3985E-005 * x + 1.9175E-006
R = 1.0000
DL = 0.283
BEC = 0.1371

Weight: <None>
Min Conc: 0

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 181.11 | | P | 9.4 |
| 2 | ☐ | | | 218.89 | | P | 8.9 |
| 3 | ☐ | | | 223.34 | | P | 9.1 |
| 4 | ☐ | | | 208.89 | | P | 14.5 |
| 5 | ☐ | | | 214.45 | | P | 7.0 |
| 6 | ☐ | | | 233.34 | | P | 16.5 |
| 7 | ☐ | | | 245.56 | | P | 8.2 |
| 8 | ☐ | | | 245.56 | | P | 13.4 |

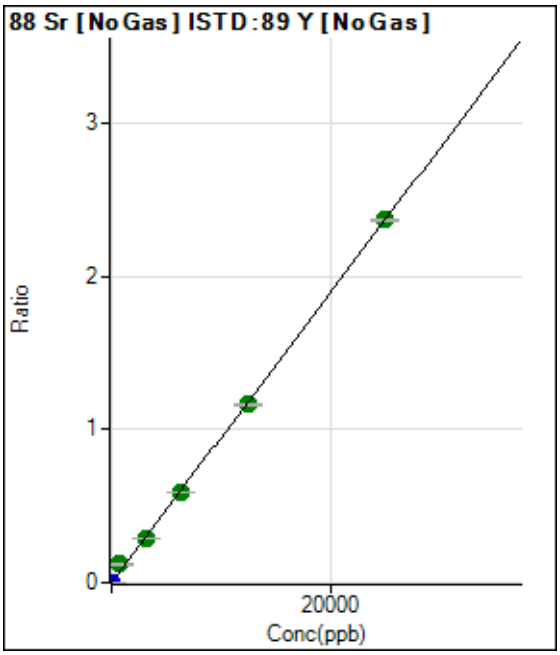



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 383.34 | 0.0000 | P | 15.6 |
| 2 | ☐ | 1.000 | 25.856 | 5213.26 | 0.0003 | P | 1.2 |
| 3 | ☐ | 625.000 | 1232.122 | 230773.37 | 0.0134 | P | 1.4 |
| 4 | ☐ | 3125.000 | 2980.653 | 556841.93 | 0.0324 | P | 2.3 |
| 5 | ☐ | 6250.000 | 6118.676 | 1112013.37 | 0.0665 | P | 0.9 |
| 6 | ☐ | 12500.000 | 12590.450 | 2228483.20 | 0.1368 | A | 1.5 |
| 7 | ☐ | 25000.000 | 24990.470 | 4313032.92 | 0.2716 | A | 0.8 |
| 8 | ☐ | | | 14207.32 | 0.0009 | P | 2.5 |

y = 1.0865E-005 * x + 2.2871E-005
R = 0.9996
DL = 0.9858
BEC = 2.105

Weight: <None>
Min Conc: 0

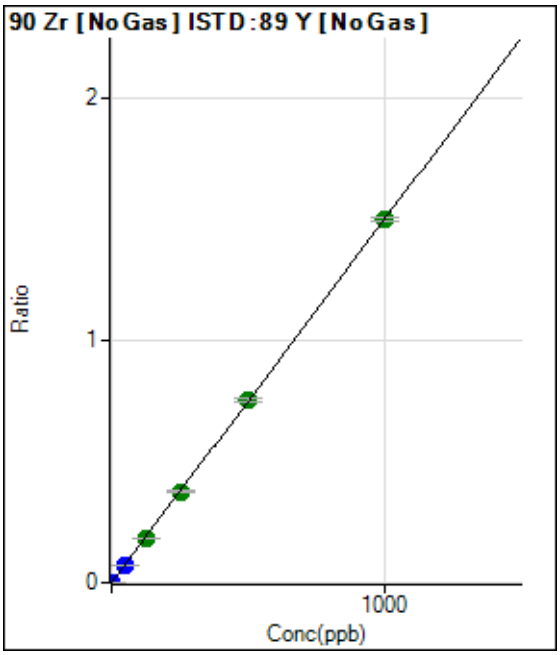
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 480.01 | 0.0000 | P | 10.6 |
| 2 | ☐ | 1.000 | 25.863 | 42384.13 | 0.0025 | P | 1.3 |
| 3 | ☐ | 625.000 | 1268.748 | 2061877.28 | 0.1198 | A | 1.8 |
| 4 | ☐ | 3125.000 | 3051.846 | 4951288.71 | 0.2882 | A | 2.2 |
| 5 | ☐ | 6250.000 | 6269.183 | 9898060.61 | 0.5919 | A | 1.2 |
| 6 | ☐ | 12500.000 | 12345.231 | 18987850.41 | 1.1656 | A | 1.0 |
| 7 | ☐ | 25000.000 | 25065.638 | 37592273.33 | 2.3666 | A | 0.5 |
| 8 | ☐ | | | 123606.79 | 0.0081 | P | 1.7 |

y = 9.4414E-005 * x + 2.8626E-005
R = 0.9996
DL = 0.09615
BEC = 0.3032

Weight: <None>
Min Conc: 0

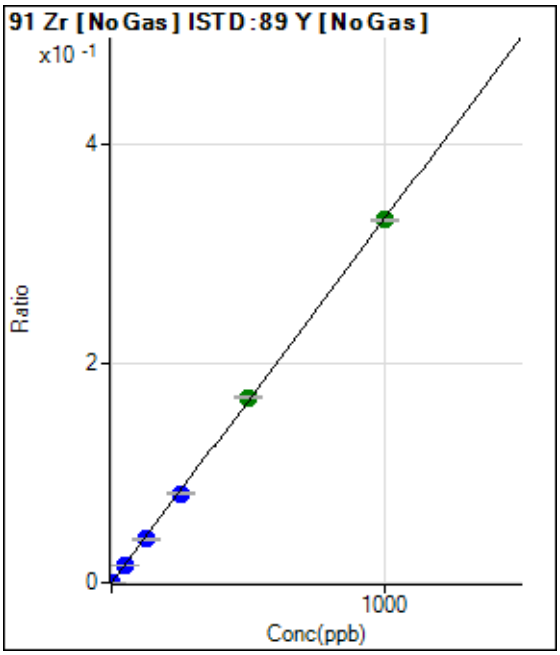



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 857.81 | 0.0001 | P | 6.5 |
| 2 | ☐ | 1.000 | 1.068 | 28335.47 | 0.0017 | P | 2.6 |
| 3 | ☐ | 50.000 | 48.836 | 1260790.24 | 0.0733 | P | 1.3 |
| 4 | ☐ | 125.000 | 122.822 | 3164806.62 | 0.1842 | A | 1.4 |
| 5 | ☐ | 250.000 | 251.119 | 6295129.77 | 0.3765 | A | 2.4 |
| 6 | ☐ | 500.000 | 502.409 | 12267521.76 | 0.7532 | A | 1.6 |
| 7 | ☐ | 1000.000 | 998.846 | 23785941.04 | 1.4974 | A | 1.1 |
| 8 | ☐ | | | 19498.18 | 0.0013 | P | 3.4 |

y = 0.0015 * x + 5.1151E-005
R = 1.0000
DL = 0.00666
BEC = 0.03412

Weight: <None>
Min Conc: 0

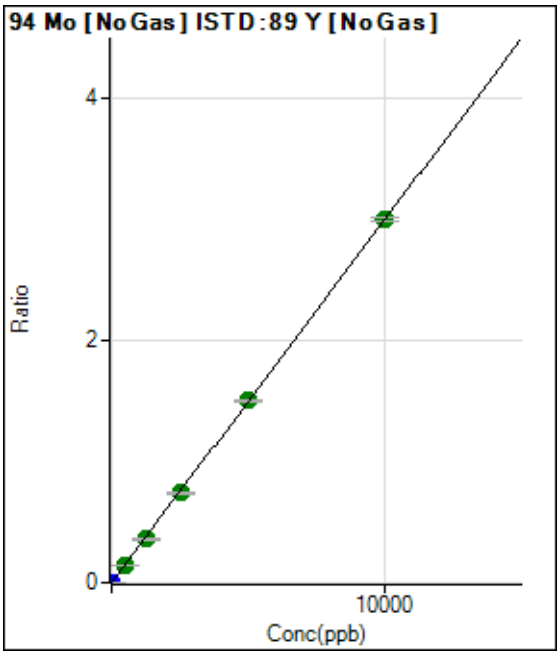
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On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 146.67 | 0.0000 | P | 8.4 |
| 2 | ☐ | 1.000 | 1.079 | 6283.69 | 0.0004 | P | 3.8 |
| 3 | ☐ | 50.000 | 49.446 | 282183.26 | 0.0164 | P | 0.4 |
| 4 | ☐ | 125.000 | 119.997 | 683467.75 | 0.0398 | P | 2.9 |
| 5 | ☐ | 250.000 | 244.999 | 1357965.95 | 0.0812 | P | 1.1 |
| 6 | ☐ | 500.000 | 508.675 | 2746143.47 | 0.1686 | A | 1.1 |
| 7 | ☐ | 1000.000 | 997.565 | 5251909.37 | 0.3306 | A | 0.6 |
| 8 | ☐ | | | 4335.16 | 0.0003 | P | 4.7 |

y = 3.3144E-004 * x + 8.7471E-006
R = 0.9999
DL = 0.006625
BEC = 0.02639

Weight: <None>
Min Conc: 0

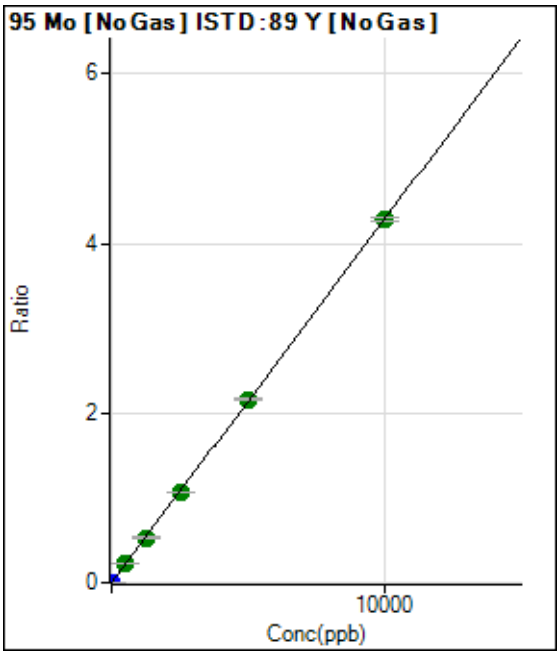



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 360.01 | 0.0000 | P | 5.5 |
| 2 | ☐ | 5.000 | 6.192 | 32123.77 | 0.0019 | P | 0.6 |
| 3 | ☐ | 500.000 | 499.485 | 2569622.65 | 0.1493 | A | 0.8 |
| 4 | ☐ | 1250.000 | 1198.279 | 6153816.51 | 0.3582 | A | 2.9 |
| 5 | ☐ | 2500.000 | 2476.397 | 12376901.76 | 0.7402 | A | 1.0 |
| 6 | ☐ | 5000.000 | 5018.053 | 24428439.64 | 1.4999 | A | 1.4 |
| 7 | ☐ | 10000.000 | 10003.365 | 47491548.74 | 2.9899 | A | 1.1 |
| 8 | ☐ | | | 12373.37 | 0.0008 | P | 5.6 |

y = 2.9889E-004 * x + 2.1470E-005
R = 1.0000
DL = 0.01189
BEC = 0.07183

Weight: <None>
Min Conc: 0

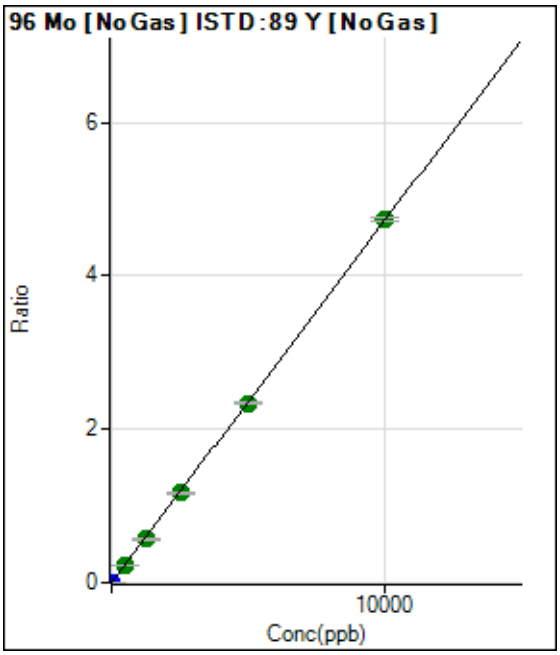
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 131.11 | 0.0000 | P | 22.3 |
| 2 | ☐ | 5.000 | 5.130 | 37832.46 | 0.0022 | P | 2.5 |
| 3 | ☐ | 500.000 | 509.352 | 3755384.18 | 0.2182 | A | 0.9 |
| 4 | ☐ | 1250.000 | 1228.206 | 9040486.05 | 0.5262 | A | 2.5 |
| 5 | ☐ | 2500.000 | 2480.715 | 17771219.32 | 1.0627 | A | 1.0 |
| 6 | ☐ | 5000.000 | 5047.692 | 35218387.53 | 2.1624 | A | 1.5 |
| 7 | ☐ | 10000.000 | 9983.232 | 67925223.43 | 4.2767 | A | 1.2 |
| 8 | ☐ | | | 8800.67 | 0.0006 | P | 11.0 |

y = 4.2839E-004 * x + 7.8103E-006
R = 1.0000
DL = 0.01221
BEC = 0.01823

Weight: <None>
Min Conc: 0

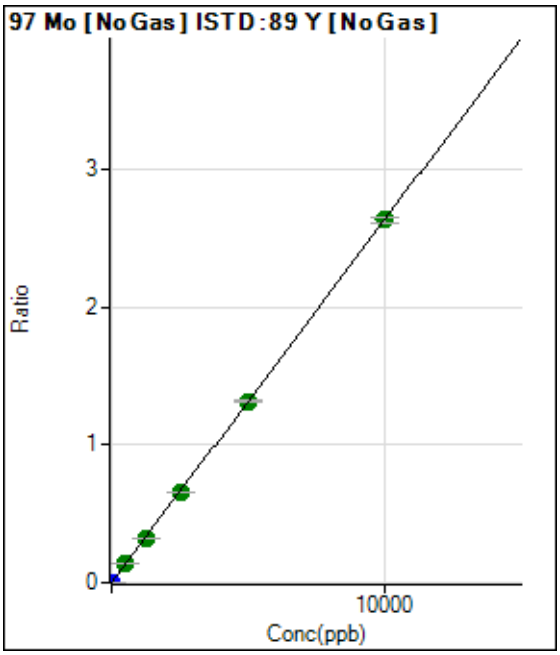



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 187.78 | 0.0000 | P | 14.7 |
| 2 | ☐ | 5.000 | 5.146 | 41786.02 | 0.0024 | P | 2.9 |
| 3 | ☐ | 500.000 | 502.585 | 4076313.45 | 0.2369 | A | 0.3 |
| 4 | ☐ | 1250.000 | 1206.485 | 9769901.66 | 0.5686 | A | 2.4 |
| 5 | ☐ | 2500.000 | 2479.338 | 19535975.96 | 1.1685 | A | 2.3 |
| 6 | ☐ | 5000.000 | 4958.358 | 38061986.93 | 2.3368 | A | 0.8 |
| 7 | ☐ | 10000.000 | 10031.297 | 75085482.77 | 4.7275 | A | 1.1 |
| 8 | ☐ | | | 15652.28 | 0.0010 | P | 6.5 |

y = 4.7128E-004 * x + 1.1201E-005
R = 1.0000
DL = 0.01046
BEC = 0.02377

Weight: <None>
Min Conc: 0

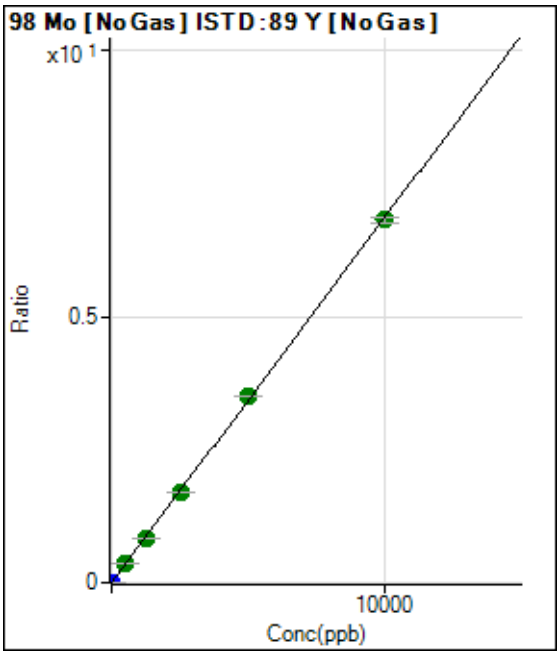
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 75.56 | 0.0000 | P | 7.4 |
| 2 | ☐ | 5.000 | 5.167 | 23443.22 | 0.0014 | P | 3.1 |
| 3 | ☐ | 500.000 | 510.071 | 2314592.78 | 0.1345 | A | 1.0 |
| 4 | ☐ | 1250.000 | 1216.011 | 5509033.67 | 0.3206 | A | 2.8 |
| 5 | ☐ | 2500.000 | 2509.367 | 11064553.31 | 0.6617 | A | 0.5 |
| 6 | ☐ | 5000.000 | 5000.737 | 21479027.04 | 1.3186 | A | 0.8 |
| 7 | ☐ | 10000.000 | 10001.035 | 41891788.82 | 2.6371 | A | 1.8 |
| 8 | ☐ | | | 5252.16 | 0.0003 | P | 8.3 |

y = 2.6368E-004 * x + 4.5063E-006
R = 1.0000
DL = 0.003774
BEC = 0.01709

Weight: <None>
Min Conc: 0

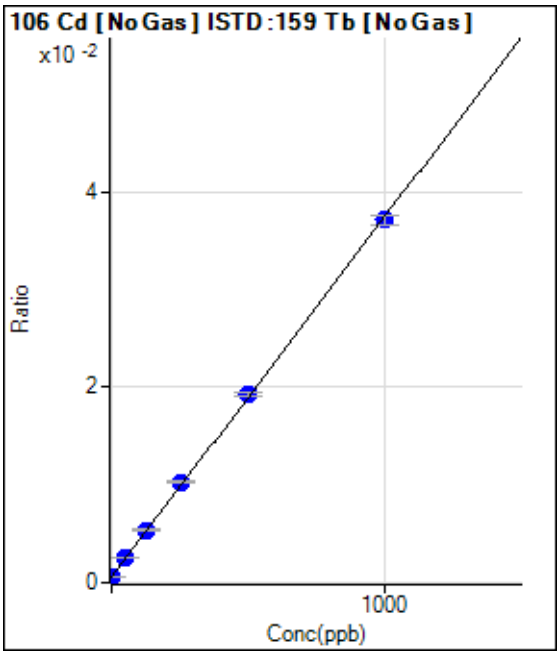



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 196.67 | 0.0000 | P | 10.5 |
| 2 | ☐ | 5.000 | 5.172 | 61032.32 | 0.0036 | P | 2.3 |
| 3 | ☐ | 500.000 | 506.099 | 5972694.98 | 0.3471 | A | 0.2 |
| 4 | ☐ | 1250.000 | 1220.737 | 14383094.23 | 0.8371 | A | 2.4 |
| 5 | ☐ | 2500.000 | 2488.307 | 28532764.85 | 1.7063 | A | 1.0 |
| 6 | ☐ | 5000.000 | 5126.821 | 57264928.59 | 3.5156 | A | 0.4 |
| 7 | ☐ | 10000.000 | 9942.866 | 108294810.6 | 6.8181 | A | 1.5 |
| 8 | ☐ | | | 13352.12 | 0.0009 | P | 10.2 |

y = 6.8573E-004 * x + 1.1728E-005
R = 0.9999
DL = 0.005399
BEC = 0.0171

Weight: <None>
Min Conc: 0

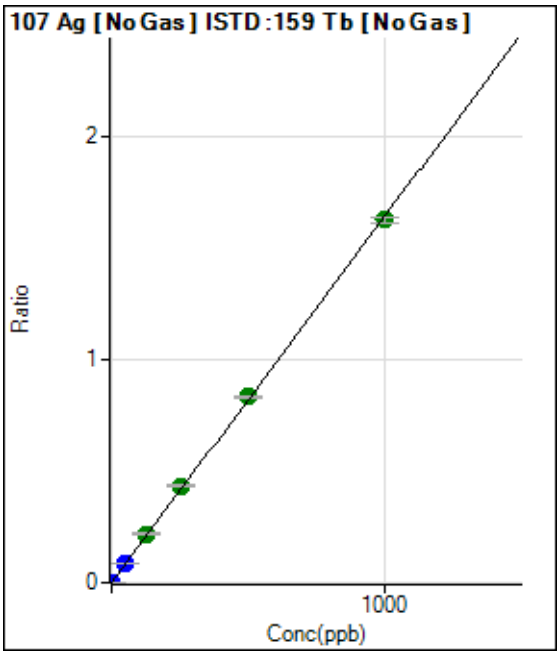
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 6118.07 | 0.0006 | P | 1.0 |
| 2 | ☐ | 1.000 | 1.330 | 6646.11 | 0.0006 | P | 0.8 |
| 3 | ☐ | 50.000 | 53.519 | 27794.69 | 0.0025 | P | 1.1 |
| 4 | ☐ | 125.000 | 130.170 | 58223.32 | 0.0054 | P | 2.2 |
| 5 | ☐ | 250.000 | 262.909 | 109351.15 | 0.0102 | P | 1.8 |
| 6 | ☐ | 500.000 | 507.021 | 205649.44 | 0.0192 | P | 2.0 |
| 7 | ☐ | 1000.000 | 992.440 | 387243.22 | 0.0371 | P | 2.4 |
| 8 | ☐ | | | 5432.23 | 0.0005 | P | 2.2 |

y = 3.6794E-005 * x + 5.7033E-004
R = 0.9999
DL = 0.4498
BEC = 15.5

Weight: <None>
Min Conc: 0

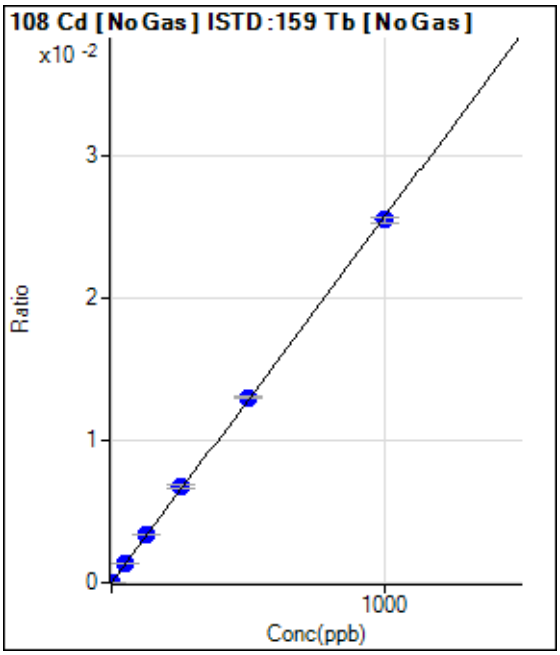



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 136.67 | 0.0000 | P | 13.1 |
| 2 | ☐ | 1.000 | 1.152 | 20407.39 | 0.0019 | P | 2.4 |
| 3 | ☐ | 50.000 | 51.723 | 928354.75 | 0.0848 | P | 1.5 |
| 4 | ☐ | 125.000 | 133.736 | 2382546.96 | 0.2193 | A | 1.3 |
| 5 | ☐ | 250.000 | 264.183 | 4624037.67 | 0.4332 | A | 2.0 |
| 6 | ☐ | 500.000 | 507.883 | 8908452.51 | 0.8328 | A | 1.6 |
| 7 | ☐ | 1000.000 | 991.335 | 16973681.97 | 1.6254 | A | 1.7 |
| 8 | ☐ | | | 1770.13 | 0.0002 | P | 6.0 |

y = 0.0016 * x + 1.2751E-005
R = 0.9998
DL = 0.00306
BEC = 0.007777

Weight: <None>
Min Conc: 0

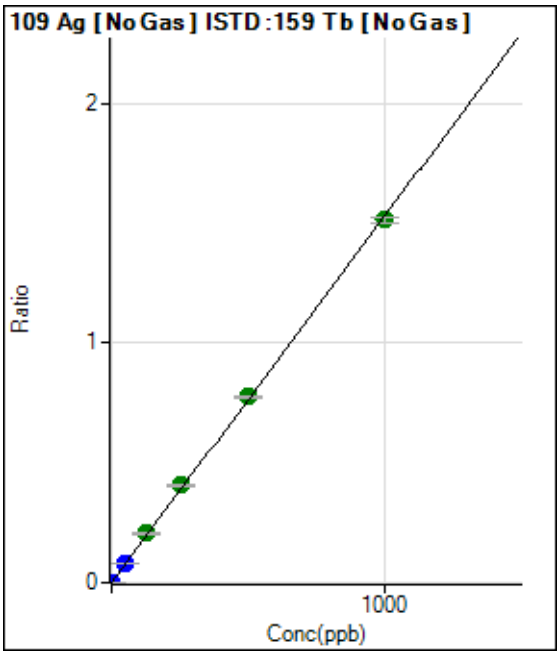
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 12.22 | 0.0000 | P | 62.7 |
| 2 | ☐ | 1.000 | 1.005 | 288.90 | 0.0000 | P | 9.3 |
| 3 | ☐ | 50.000 | 53.360 | 14997.14 | 0.0014 | P | 2.2 |
| 4 | ☐ | 125.000 | 131.256 | 36598.44 | 0.0034 | P | 2.2 |
| 5 | ☐ | 250.000 | 263.147 | 72087.20 | 0.0068 | P | 2.5 |
| 6 | ☐ | 500.000 | 506.439 | 139018.52 | 0.0130 | P | 1.5 |
| 7 | ☐ | 1000.000 | 992.544 | 265959.92 | 0.0255 | P | 1.9 |
| 8 | ☐ | | | 146.67 | 0.0000 | P | 24.7 |

y = 2.5660E-005 * x + 1.1357E-006
R = 0.9999
DL = 0.08327
BEC = 0.04426

Weight: <None>
Min Conc: 0

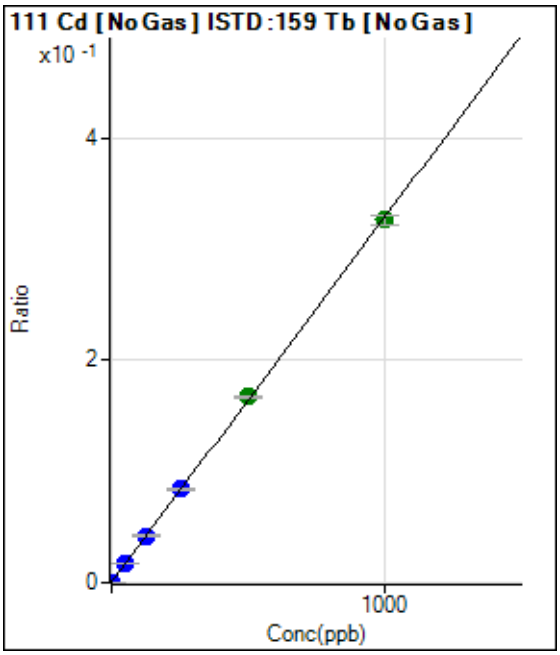



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 43.33 | 0.0000 | P | 43.0 |
| 2 | ☐ | 1.000 | 1.133 | 18646.08 | 0.0017 | P | 2.9 |
| 3 | ☐ | 50.000 | 52.365 | 876843.07 | 0.0801 | P | 2.2 |
| 4 | ☐ | 125.000 | 134.939 | 2242623.98 | 0.2064 | A | 1.8 |
| 5 | ☐ | 250.000 | 265.739 | 4339744.69 | 0.4066 | A | 2.7 |
| 6 | ☐ | 500.000 | 508.497 | 8321873.21 | 0.7779 | A | 0.8 |
| 7 | ☐ | 1000.000 | 990.456 | 15823630.87 | 1.5153 | A | 1.9 |
| 8 | ☐ | | | 1566.78 | 0.0002 | P | 13.0 |

y = 0.0015 * x + 4.0437E-006
R = 0.9998
DL = 0.003406
BEC = 0.002643

Weight: <None>
Min Conc: 0

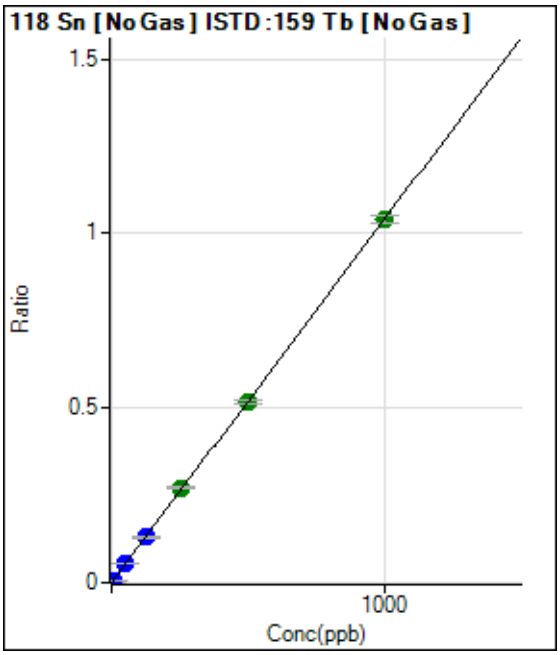
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 4284.09 | 0.0004 | P | 0.9 |
| 2 | ☐ | 1.000 | 1.037 | 7937.19 | 0.0007 | P | 0.2 |
| 3 | ☐ | 50.000 | 51.664 | 189955.54 | 0.0174 | P | 1.7 |
| 4 | ☐ | 125.000 | 127.324 | 458280.82 | 0.0422 | P | 2.0 |
| 5 | ☐ | 250.000 | 254.956 | 897489.34 | 0.0841 | P | 2.0 |
| 6 | ☐ | 500.000 | 509.425 | 1792838.88 | 0.1676 | A | 1.1 |
| 7 | ☐ | 1000.000 | 993.675 | 3409425.90 | 0.3265 | A | 2.6 |
| 8 | ☐ | | | 4304.36 | 0.0004 | P | 2.1 |

y = 3.2820E-004 * x + 3.9937E-004
R = 0.9999
DL = 0.03232
BEC = 1.217

Weight: <None>
Min Conc: 0

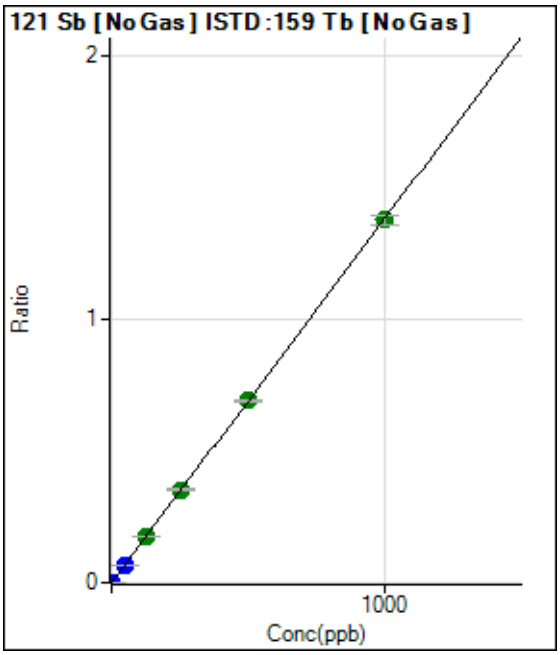



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 2841.43 | 0.0003 | P | 4.1 |
| 2 | ☐ | 5.000 | 5.272 | 61706.01 | 0.0057 | P | 1.2 |
| 3 | ☐ | 50.000 | 50.562 | 578679.71 | 0.0529 | P | 1.0 |
| 4 | ☐ | 125.000 | 124.825 | 1413408.33 | 0.1301 | P | 3.2 |
| 5 | ☐ | 250.000 | 260.872 | 2900293.50 | 0.2717 | A | 1.7 |
| 6 | ☐ | 500.000 | 498.105 | 5546306.24 | 0.5185 | A | 2.2 |
| 7 | ☐ | 1000.000 | 998.222 | 10847506.92 | 1.0388 | A | 2.1 |
| 8 | ☐ | | | 3643.03 | 0.0004 | P | 11.5 |

y = 0.0010 * x + 2.6489E-004
R = 0.9999
DL = 0.03134
BEC = 0.2546

Weight: <None>
Min Conc: 0

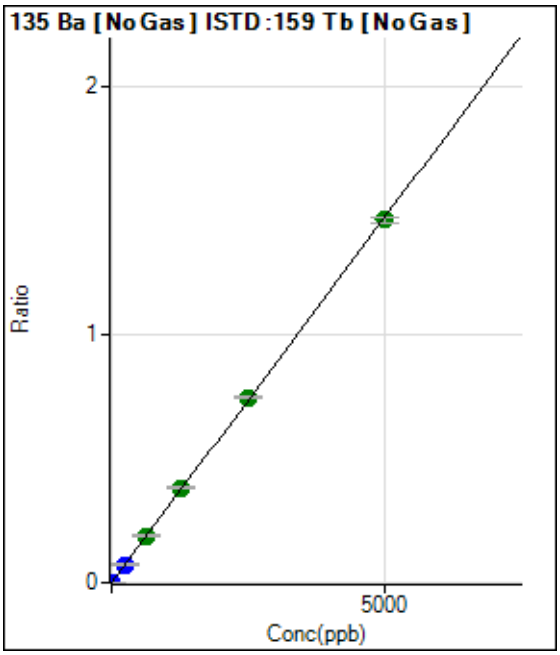
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 43.33 | 0.0000 | P | 27.6 |
| 2 | ☐ | 2.000 | 2.091 | 31021.85 | 0.0029 | P | 1.8 |
| 3 | ☐ | 50.000 | 49.314 | 744988.86 | 0.0681 | P | 0.8 |
| 4 | ☐ | 125.000 | 127.462 | 1911161.44 | 0.1759 | A | 1.6 |
| 5 | ☐ | 250.000 | 255.553 | 3765013.45 | 0.3527 | A | 2.4 |
| 6 | ☐ | 500.000 | 501.396 | 7402673.22 | 0.6920 | A | 1.0 |
| 7 | ☐ | 1000.000 | 997.640 | 14377035.34 | 1.3769 | A | 2.8 |
| 8 | ☐ | | | 7844.53 | 0.0008 | P | 3.1 |

y = 0.0014 * x + 4.0380E-006
R = 1.0000
DL = 0.002421
BEC = 0.002926

Weight: <None>
Min Conc: 0

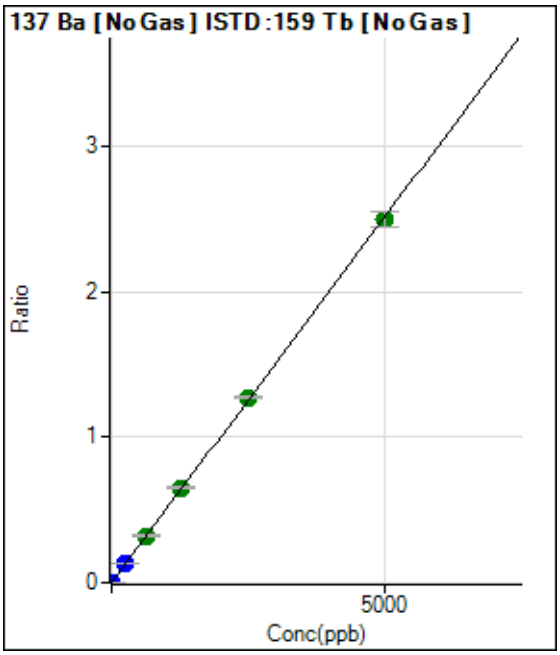



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 128.89 | 0.0000 | P | 31.8 |
| 2 | ☐ | 10.000 | 10.378 | 32955.58 | 0.0031 | P | 0.2 |
| 3 | ☐ | 250.000 | 249.267 | 804223.14 | 0.0735 | P | 1.2 |
| 4 | ☐ | 625.000 | 636.393 | 2037398.08 | 0.1876 | A | 3.0 |
| 5 | ☐ | 1250.000 | 1293.537 | 4069677.82 | 0.3813 | A | 2.4 |
| 6 | ☐ | 2500.000 | 2535.243 | 7993227.59 | 0.7472 | A | 0.6 |
| 7 | ☐ | 5000.000 | 4970.106 | 15296754.08 | 1.4648 | A | 1.5 |
| 8 | ☐ | | | 7005.22 | 0.0007 | P | 1.3 |

y = 2.9473E-004 * x + 1.2005E-005
R = 0.9999
DL = 0.03885
BEC = 0.04073

Weight: <None>
Min Conc: 0

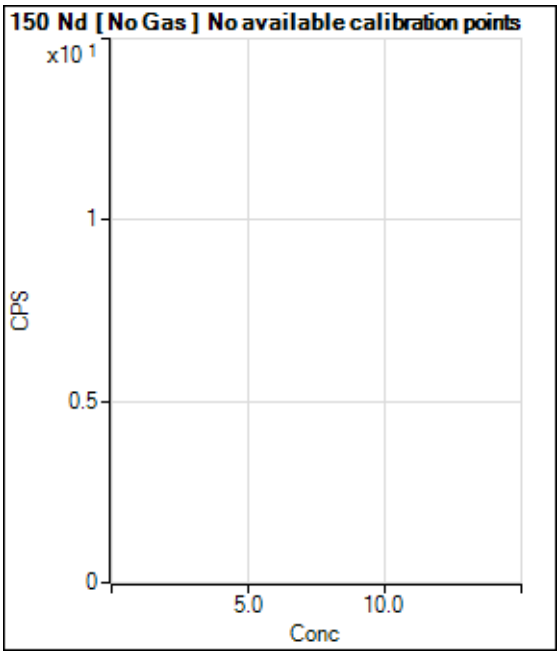
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 183.34 | 0.0000 | P | 12.9 |
| 2 | ☐ | 10.000 | 10.521 | 56890.12 | 0.0053 | P | 0.6 |
| 3 | ☐ | 250.000 | 253.192 | 1391891.00 | 0.1272 | P | 1.7 |
| 4 | ☐ | 625.000 | 644.131 | 3512803.31 | 0.3235 | A | 5.3 |
| 5 | ☐ | 1250.000 | 1301.556 | 6977256.56 | 0.6537 | A | 2.9 |
| 6 | ☐ | 2500.000 | 2538.893 | 13639640.49 | 1.2751 | A | 0.9 |
| 7 | ☐ | 5000.000 | 4965.113 | 26033922.67 | 2.4935 | A | 4.1 |
| 8 | ☐ | | | 12137.76 | 0.0012 | P | 3.2 |

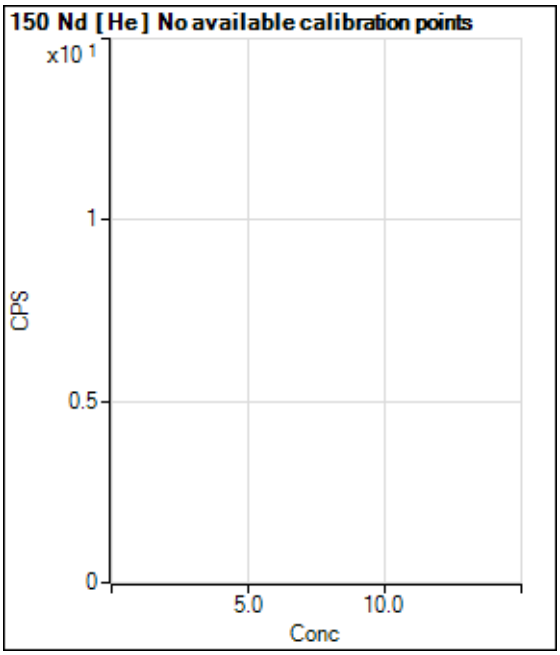
y = 5.0221E-004 * x + 1.7094E-005
R = 0.9999
DL = 0.01313
BEC = 0.03404

Weight: <None>
Min Conc: 0

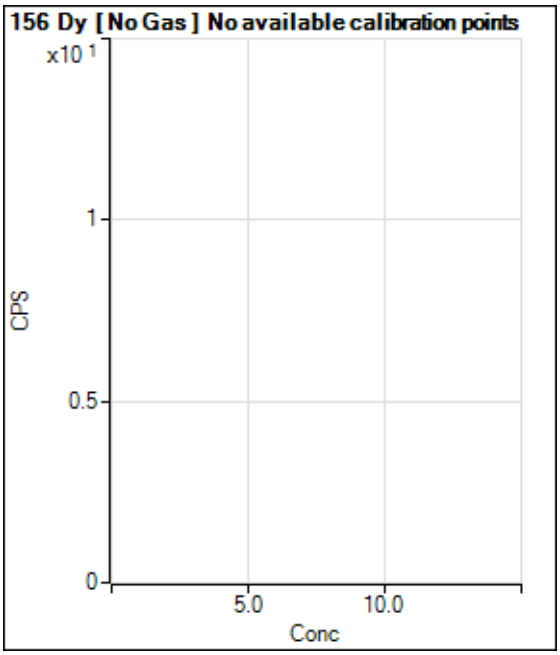



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 4.44 | | P | 114. |
| 2 | ☐ | | | 12.22 | | P | 15.7 |
| 3 | ☐ | | | 73.33 | | P | 43.4 |
| 4 | ☐ | | | 175.56 | | P | 10.5 |
| 5 | ☐ | | | 301.12 | | P | 14.7 |
| 6 | ☐ | | | 613.35 | | P | 4.6 |
| 7 | ☐ | | | 1168.95 | | P | 2.1 |
| 8 | ☐ | | | 262.23 | | P | 15.8 |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

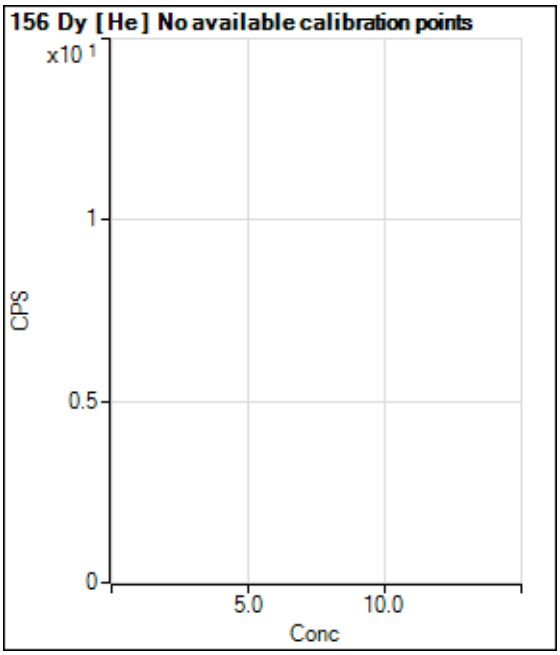



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 1.11 | | P | 173. |
| 2 | ☐ | | | 4.44 | | P | 43.4 |
| 3 | ☐ | | | 8.89 | | P | 57.3 |
| 4 | ☐ | | | 12.22 | | P | 15.7 |
| 5 | ☐ | | | 27.78 | | P | 6.9 |
| 6 | ☐ | | | 44.44 | | P | 17.3 |
| 7 | ☐ | | | 70.00 | | P | 20.8 |
| 8 | ☐ | | | 87.78 | | P | 7.9 |

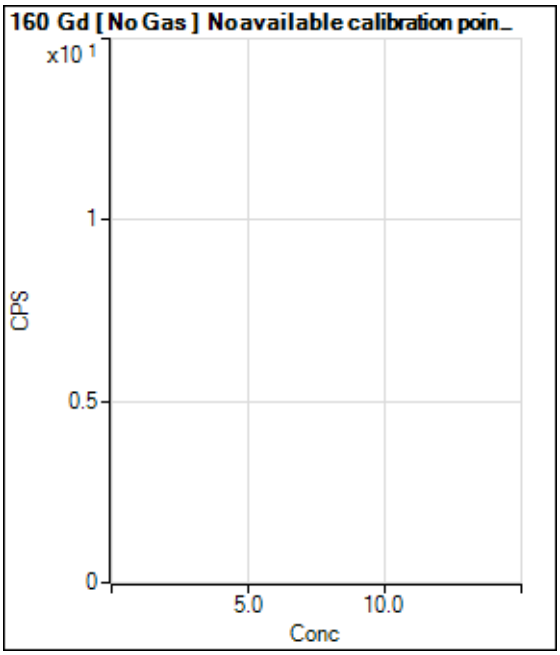



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 13.33 | | P | 75.0 |
| 2 | ☐ | | | 10.00 | | P | 57.8 |
| 3 | ☐ | | | 34.45 | | P | 11.2 |
| 4 | ☐ | | | 58.89 | | P | 3.3 |
| 5 | ☐ | | | 90.00 | | P | 14.8 |
| 6 | ☐ | | | 206.67 | | P | 19.6 |
| 7 | ☐ | | | 434.46 | | P | 10.4 |
| 8 | ☐ | | | 726.69 | | P | 6.4 |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

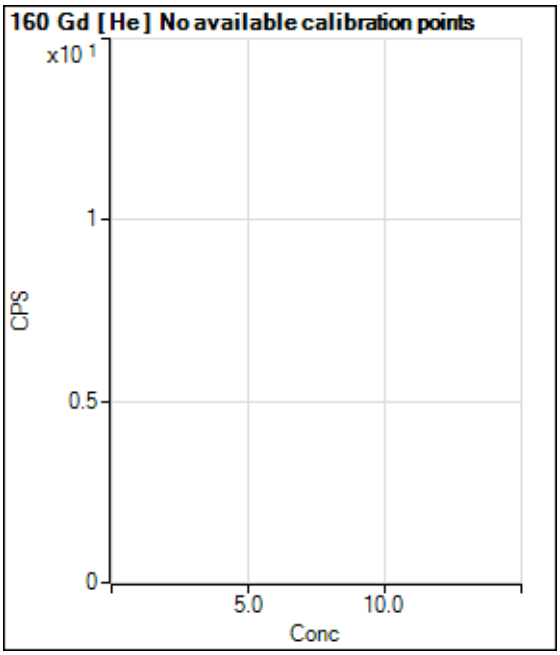



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 2.22 | | P | 86.6 |
| 2 | ☐ | | | 2.22 | | P | 86.6 |
| 3 | ☐ | | | 11.11 | | P | 34.6 |
| 4 | ☐ | | | 11.11 | | P | 45.8 |
| 5 | ☐ | | | 18.89 | | P | 27.0 |
| 6 | ☐ | | | 34.44 | | P | 5.6 |
| 7 | ☐ | | | 64.44 | | P | 38.1 |
| 8 | ☐ | | | 198.89 | | P | 23.5 |

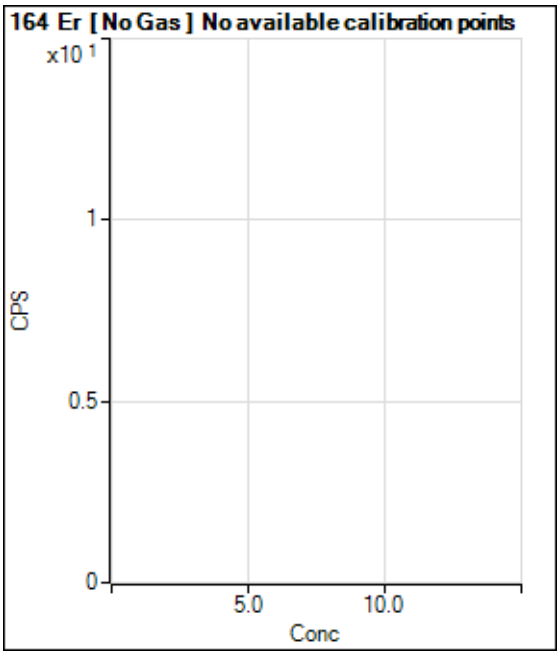



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 110.00 | | P | 13.9 |
| 2 | ☐ | | | 122.22 | | P | 16.0 |
| 3 | ☐ | | | 130.01 | | P | 8.9 |
| 4 | ☐ | | | 134.45 | | P | 29.6 |
| 5 | ☐ | | | 148.89 | | P | 9.3 |
| 6 | ☐ | | | 191.12 | | P | 8.8 |
| 7 | ☐ | | | 258.89 | | P | 1.5 |
| 8 | ☐ | | | 730.03 | | P | 5.1 |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

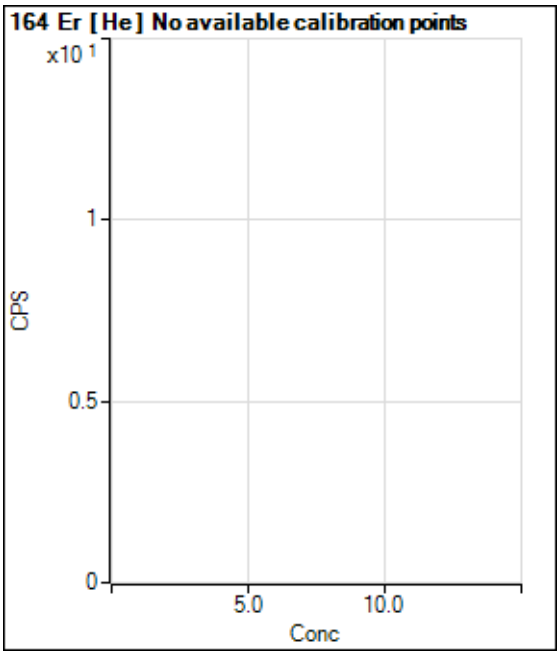



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 23.33 | | P | 49.5 |
| 2 | ☐ | | | 21.11 | | P | 39.7 |
| 3 | ☐ | | | 26.67 | | P | 33.1 |
| 4 | ☐ | | | 30.00 | | P | 11.1 |
| 5 | ☐ | | | 48.89 | | P | 37.5 |
| 6 | ☐ | | | 46.67 | | P | 12.4 |
| 7 | ☐ | | | 105.56 | | P | 14.9 |
| 8 | ☐ | | | 312.23 | | P | 8.3 |

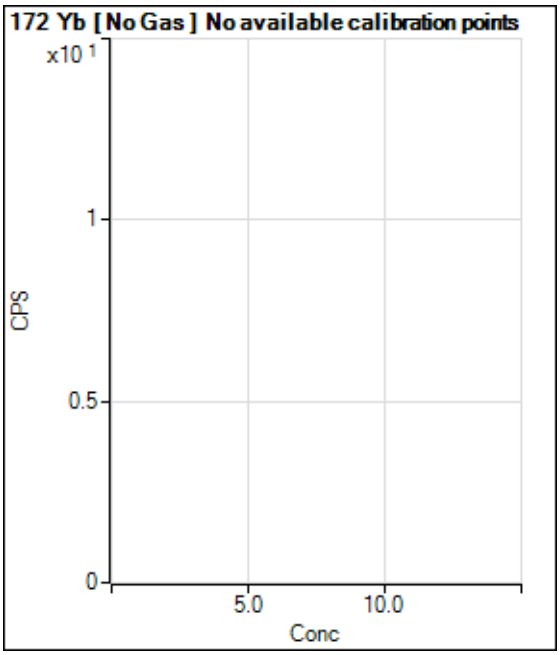



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 72.22 | | P | 9.6 |
| 2 | ☐ | | | 56.67 | | P | 5.9 |
| 3 | ☐ | | | 115.56 | | P | 12.0 |
| 4 | ☐ | | | 110.00 | | P | 5.3 |
| 5 | ☐ | | | 128.89 | | P | 11.7 |
| 6 | ☐ | | | 213.34 | | P | 8.3 |
| 7 | ☐ | | | 307.78 | | P | 4.9 |
| 8 | ☐ | | | 1354.53 | | P | 5.6 |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

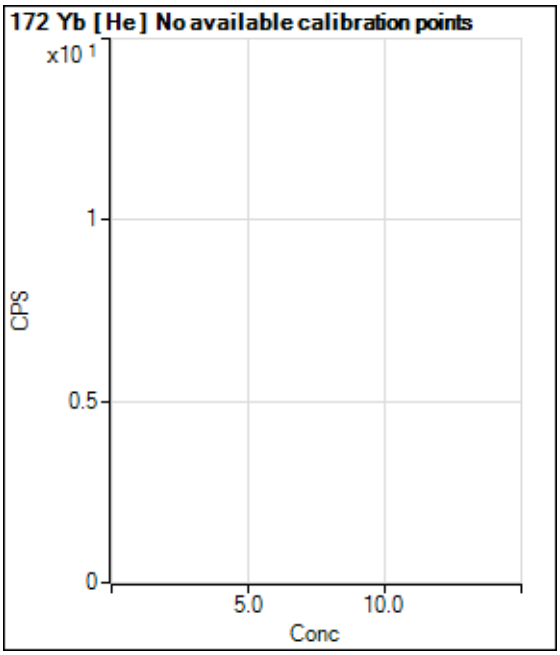



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 35.56 | | P | 5.4 |
| 2 | ☐ | | | 40.00 | | P | 16.7 |
| 3 | ☐ | | | 38.89 | | P | 13.1 |
| 4 | ☐ | | | 36.67 | | P | 55.3 |
| 5 | ☐ | | | 46.67 | | P | 28.6 |
| 6 | ☐ | | | 66.67 | | P | 25.0 |
| 7 | ☐ | | | 106.67 | | P | 14.3 |
| 8 | ☐ | | | 511.13 | | P | 2.6 |

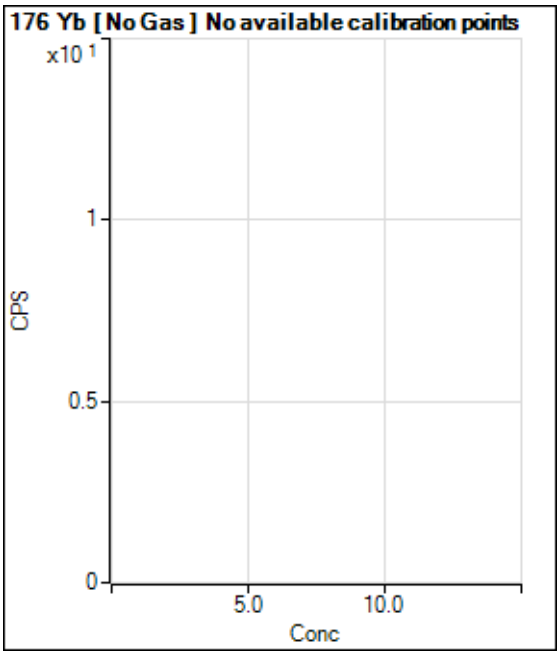



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 78.89 | | P | 24.8 |
| 2 | ☐ | | | 54.44 | | P | 27.6 |
| 3 | ☐ | | | 76.66 | | P | 15.1 |
| 4 | ☐ | | | 104.45 | | P | 16.1 |
| 5 | ☐ | | | 152.23 | | P | 9.1 |
| 6 | ☐ | | | 218.89 | | P | 6.3 |
| 7 | ☐ | | | 314.45 | | P | 7.8 |
| 8 | ☐ | | | 985.60 | | P | 5.2 |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

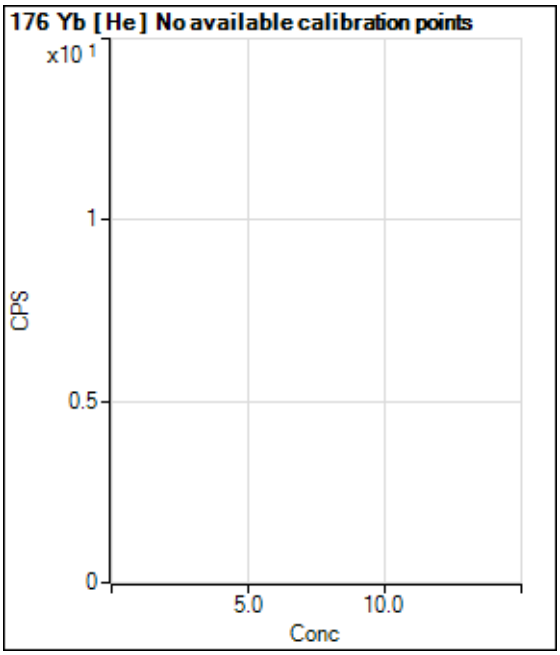



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 24.45 | | P | 15.8 |
| 2 | ☐ | | | 26.67 | | P | 54.5 |
| 3 | ☐ | | | 43.33 | | P | 38.5 |
| 4 | ☐ | | | 33.34 | | P | 45.8 |
| 5 | ☐ | | | 68.89 | | P | 14.0 |
| 6 | ☐ | | | 93.33 | | P | 7.1 |
| 7 | ☐ | | | 150.00 | | P | 5.9 |
| 8 | ☐ | | | 486.68 | | P | 5.4 |

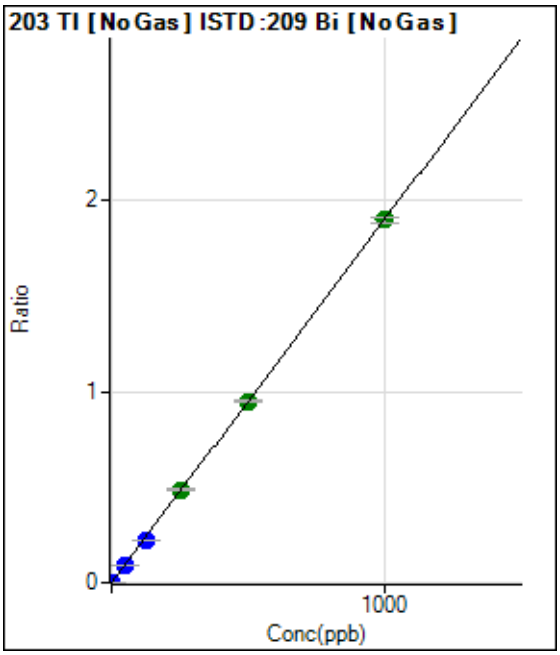



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 1609.01 | | P | 5.5 |
| 2 | ☐ | | | 1676.79 | | P | 4.3 |
| 3 | ☐ | | | 4292.96 | | P | 1.6 |
| 4 | ☐ | | | 8602.87 | | P | 1.4 |
| 5 | ☐ | | | 15257.80 | | P | 3.4 |
| 6 | ☐ | | | 28711.27 | | P | 2.9 |
| 7 | ☐ | | | 54932.63 | | P | 1.1 |
| 8 | ☐ | | | 2042.40 | | P | 6.7 |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 484.46 | | P | 5.1 |
| 2 | ☐ | | | 460.01 | | P | 0.7 |
| 3 | ☐ | | | 1526.77 | | P | 11.6 |
| 4 | ☐ | | | 3079.28 | | P | 4.2 |
| 5 | ☐ | | | 5723.51 | | P | 3.4 |
| 6 | ☐ | | | 10681.07 | | P | 0.5 |
| 7 | ☐ | | | 20823.17 | | P | 0.8 |
| 8 | ☐ | | | 576.69 | | P | 5.1 |

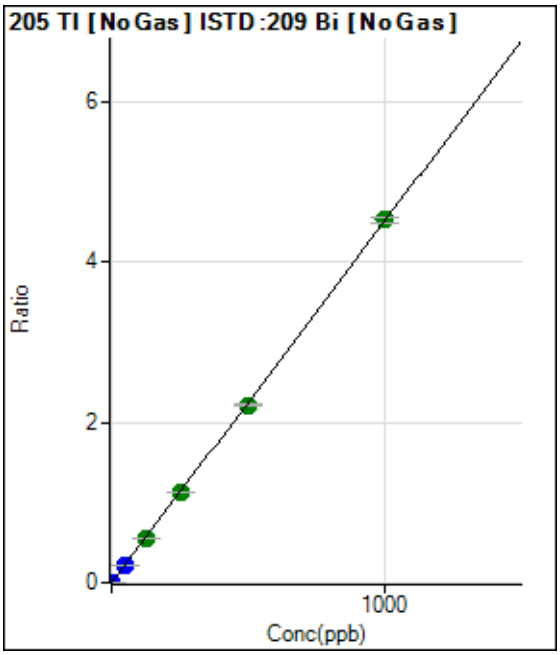



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 148.89 | 0.0000 | P | 9.4 |
| 2 | ☐ | 1.000 | 1.001 | 11542.98 | 0.0019 | P | 2.4 |
| 3 | ☐ | 50.000 | 47.036 | 553612.26 | 0.0894 | P | 1.7 |
| 4 | ☐ | 125.000 | 117.204 | 1384342.60 | 0.2228 | P | 1.9 |
| 5 | ☐ | 250.000 | 256.238 | 2960667.63 | 0.4870 | A | 2.9 |
| 6 | ☐ | 500.000 | 500.343 | 5701345.68 | 0.9510 | A | 1.0 |
| 7 | ☐ | 1000.000 | 999.392 | 10992416.09 | 1.8995 | A | 1.3 |
| 8 | ☐ | | | 956.71 | 0.0002 | P | 15.0 |

y = 0.0019 * x + 2.4319E-005
R = 0.9999
DL = 0.003613
BEC = 0.0128

Weight: <None>
Min Conc: 0

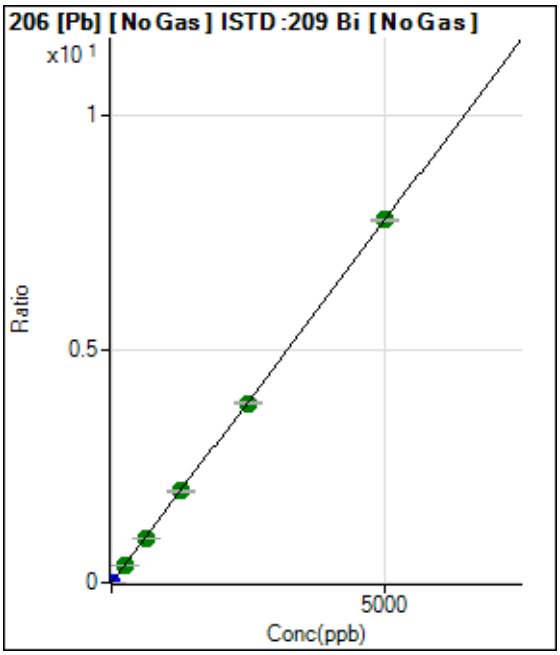
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On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 348.90 | 0.0001 | P | 8.2 |
| 2 | ☐ | 1.000 | 1.012 | 27679.52 | 0.0046 | P | 2.3 |
| 3 | ☐ | 50.000 | 47.390 | 1323034.00 | 0.2137 | P | 1.0 |
| 4 | ☐ | 125.000 | 121.124 | 3393995.54 | 0.5461 | A | 1.3 |
| 5 | ☐ | 250.000 | 251.462 | 6894455.59 | 1.1337 | A | 0.6 |
| 6 | ☐ | 500.000 | 490.589 | 13259519.11 | 2.2118 | A | 1.2 |
| 7 | ☐ | 1000.000 | 1004.955 | 26223961.83 | 4.5307 | A | 1.5 |
| 8 | ☐ | | | 2281.34 | 0.0004 | P | 7.8 |

y = 0.0045 * x + 5.6983E-005
R = 0.9999
DL = 0.003115
BEC = 0.01264

Weight: <None>
Min Conc: 0

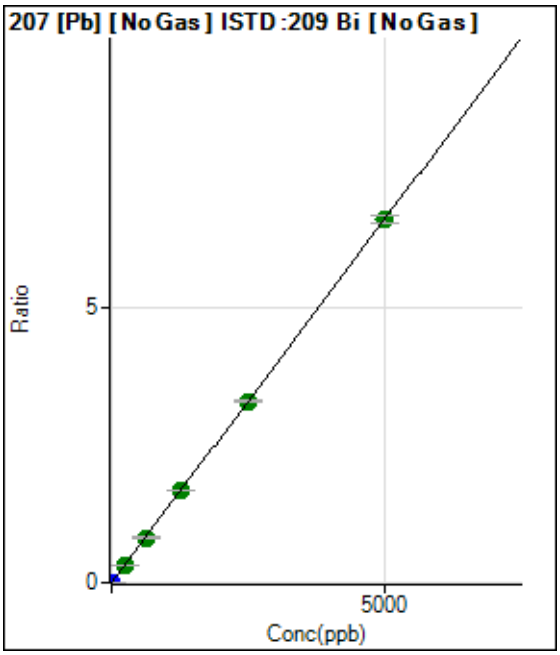



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 480.02 | 0.0001 | P | 6.0 |
| 2 | ☐ | 1.000 | 0.824 | 8134.85 | 0.0014 | P | 3.5 |
| 3 | ☐ | 250.000 | 249.436 | 2399180.14 | 0.3875 | A | 1.5 |
| 4 | ☐ | 625.000 | 614.931 | 5935071.51 | 0.9551 | A | 1.4 |
| 5 | ☐ | 1250.000 | 1268.090 | 11974172.60 | 1.9696 | A | 1.9 |
| 6 | ☐ | 2500.000 | 2477.027 | 23063825.77 | 3.8472 | A | 0.6 |
| 7 | ☐ | 5000.000 | 5008.251 | 45015945.44 | 7.7785 | A | 0.8 |
| 8 | ☐ | | | 32047.34 | 0.0060 | P | 0.4 |

y = 0.0016 * x + 7.8396E-005
R = 1.0000
DL = 0.009039
BEC = 0.05048

Weight: <None>
Min Conc: 0

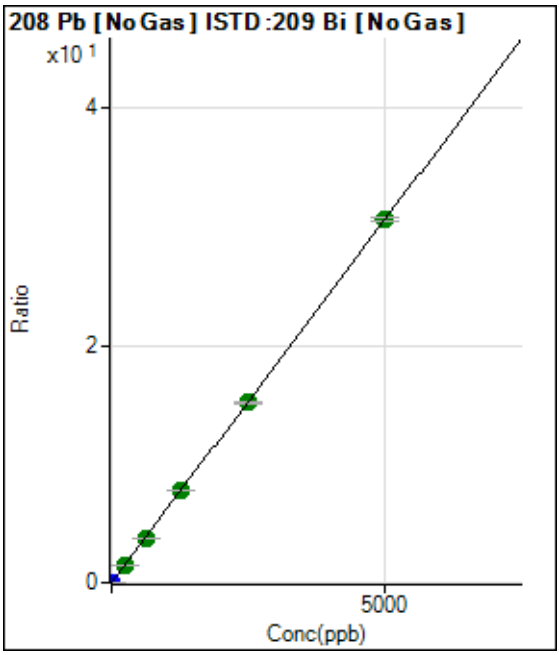
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 360.01 | 0.0001 | P | 11.5 |
| 2 | ☐ | 1.000 | 0.892 | 7397.72 | 0.0012 | P | 1.5 |
| 3 | ☐ | 250.000 | 245.948 | 2007957.80 | 0.3243 | A | 0.5 |
| 4 | ☐ | 625.000 | 613.595 | 5026352.01 | 0.8090 | A | 3.0 |
| 5 | ☐ | 1250.000 | 1272.054 | 10196983.46 | 1.6771 | A | 1.0 |
| 6 | ☐ | 2500.000 | 2500.330 | 19763078.32 | 3.2964 | A | 1.8 |
| 7 | ☐ | 5000.000 | 4995.949 | 38121974.43 | 6.5866 | A | 2.3 |
| 8 | ☐ | | | 27491.44 | 0.0052 | P | 1.0 |

y = 0.0013 * x + 5.8794E-005
R = 1.0000
DL = 0.01539
BEC = 0.0446

Weight: <None>
Min Conc: 0

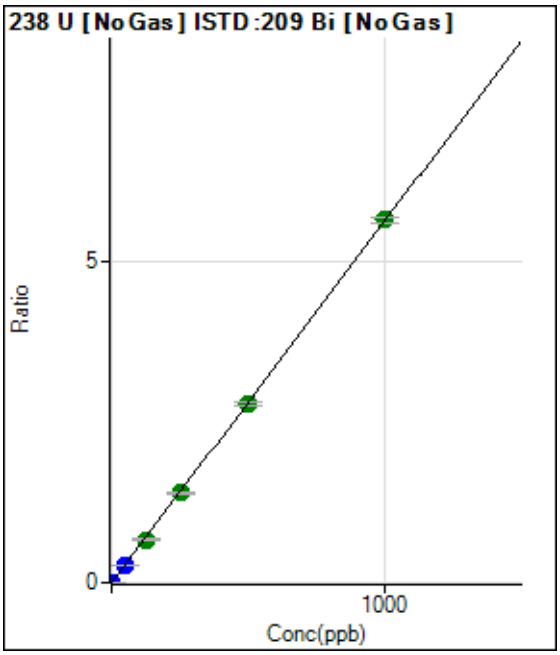



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1732.29 | 0.0003 | P | 6.6 |
| 2 | ☐ | 1.000 | 0.863 | 33255.90 | 0.0056 | P | 1.0 |
| 3 | ☐ | 250.000 | 247.005 | 9339440.50 | 1.5084 | A | 0.7 |
| 4 | ☐ | 625.000 | 610.668 | 23170031.11 | 3.7289 | A | 1.2 |
| 5 | ☐ | 1250.000 | 1264.976 | 46970925.14 | 7.7240 | A | 0.7 |
| 6 | ☐ | 2500.000 | 2485.659 | 90987595.03 | 15.1772 | A | 1.4 |
| 7 | ☐ | 5000.000 | 5005.368 | 176894325.1 | 30.5621 | A | 1.2 |
| 8 | ☐ | | | 126422.51 | 0.0238 | P | 0.2 |

y = 0.0061 * x + 2.8291E-004
R = 1.0000
DL = 0.00923
BEC = 0.04634

Weight: <None>
Min Conc: 0

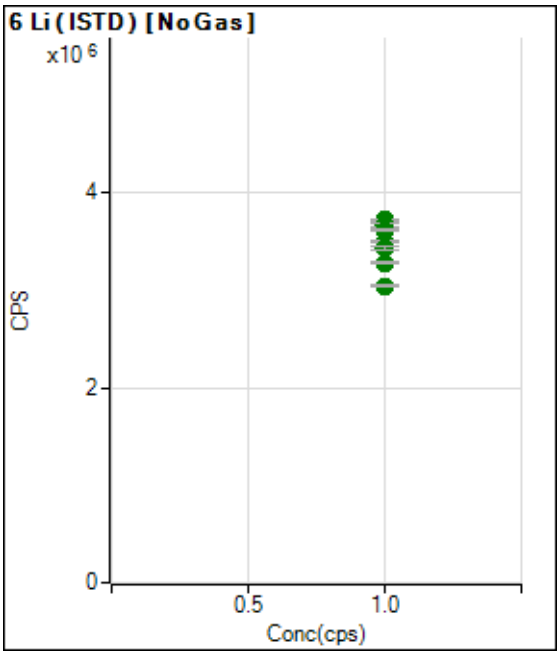
Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 110.00 | 0.0000 | P | 19.9 |
| 2 | ☐ | 1.000 | 0.968 | 32825.74 | 0.0055 | P | 0.3 |
| 3 | ☐ | 50.000 | 45.648 | 1594456.73 | 0.2575 | P | 1.0 |
| 4 | ☐ | 125.000 | 119.440 | 4187301.74 | 0.6738 | A | 0.8 |
| 5 | ☐ | 250.000 | 248.183 | 8515146.47 | 1.4002 | A | 1.2 |
| 6 | ☐ | 500.000 | 494.294 | 16717117.94 | 2.7886 | A | 2.1 |
| 7 | ☐ | 1000.000 | 1004.220 | 32792862.57 | 5.6654 | A | 1.6 |
| 8 | ☐ | | | 1655.68 | 0.0003 | P | 13.6 |

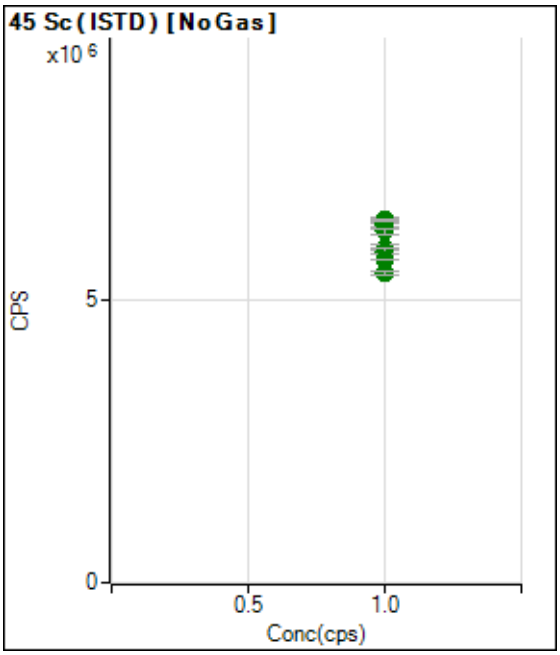
y = 0.0056 * x + 1.7967E-005
R = 1.0000
DL = 0.001902
BEC = 0.003185

Weight: <None>
Min Conc: 0

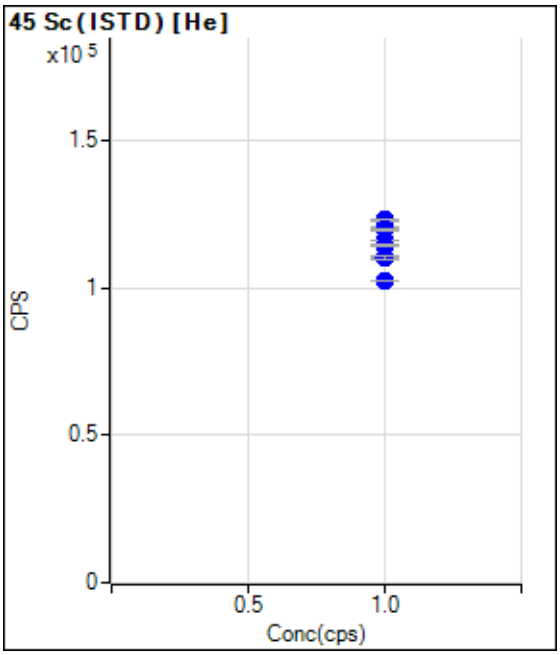



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 3691342.42 | | A | 0.9 |
| 2 | ☐ | 1.000 | | 3717732.08 | | A | 0.3 |
| 3 | ☐ | 1.000 | | 3665773.45 | | A | 0.9 |
| 4 | ☐ | 1.000 | | 3609311.05 | | A | 0.6 |
| 5 | ☐ | 1.000 | | 3495857.66 | | A | 0.9 |
| 6 | ☐ | 1.000 | | 3425567.56 | | A | 1.3 |
| 7 | ☐ | 1.000 | | 3275983.09 | | A | 0.6 |
| 8 | ☐ | 1.000 | | 3039981.81 | | A | 0.8 |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

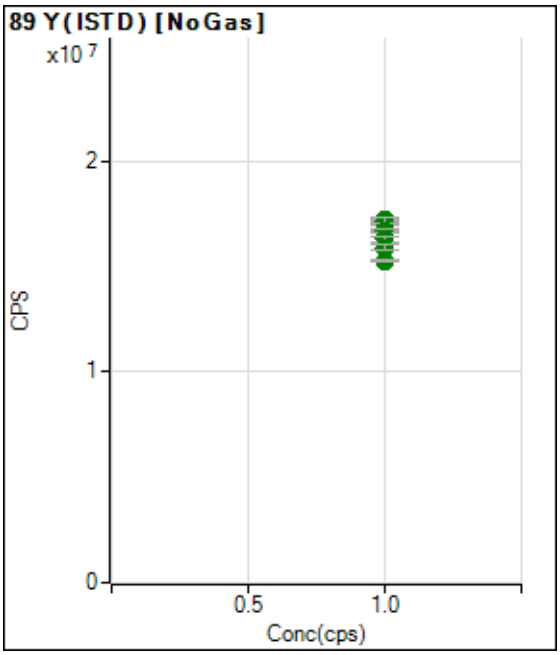



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 6307287.89 | | A | 2.0 |
| 2 | ☐ | 1.000 | | 6369265.25 | | A | 2.6 |
| 3 | ☐ | 1.000 | | 6408983.38 | | A | 0.4 |
| 4 | ☐ | 1.000 | | 6201199.49 | | A | 1.9 |
| 5 | ☐ | 1.000 | | 5926586.99 | | A | 1.6 |
| 6 | ☐ | 1.000 | | 5853700.12 | | A | 2.1 |
| 7 | ☐ | 1.000 | | 5699828.25 | | A | 0.3 |
| 8 | ☐ | 1.000 | | 5479427.14 | | A | 1.1 |

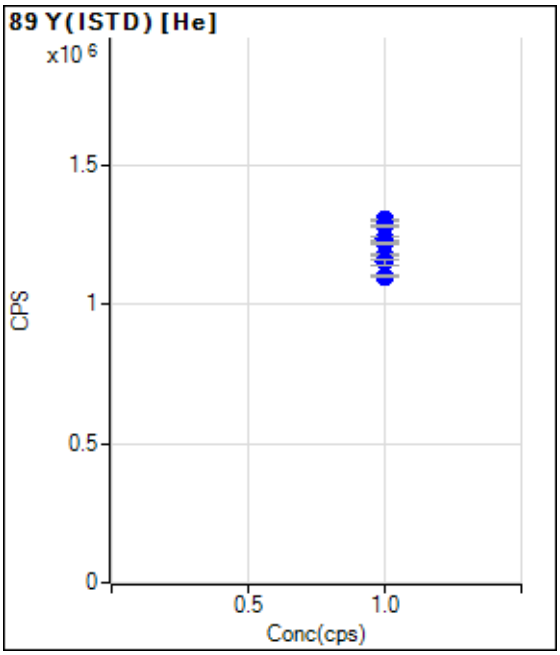



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 119946.44 | | P | 0.6 |
| 2 | ☐ | 1.000 | | 122979.64 | | P | 0.6 |
| 3 | ☐ | 1.000 | | 119641.79 | | P | 0.4 |
| 4 | ☐ | 1.000 | | 115946.44 | | P | 0.2 |
| 5 | ☐ | 1.000 | | 114269.87 | | P | 0.3 |
| 6 | ☐ | 1.000 | | 110278.01 | | P | 0.6 |
| 7 | ☐ | 1.000 | | 109920.07 | | P | 1.0 |
| 8 | ☐ | 1.000 | | 102480.95 | | P | 0.3 |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

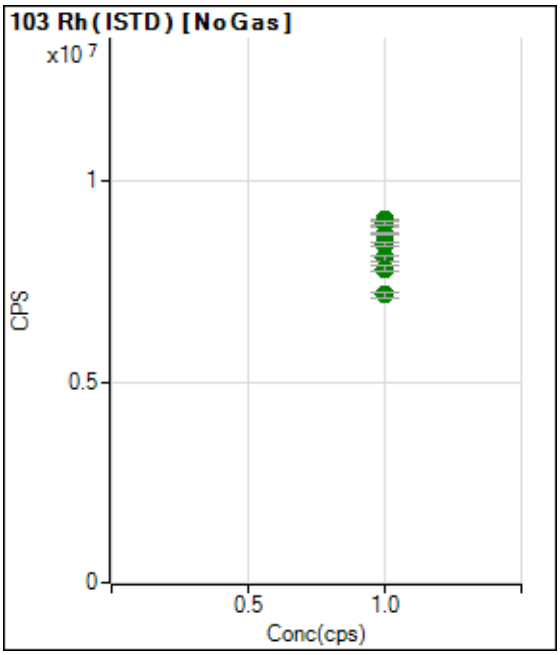



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 16772047.52 | | A | 0.6 |
| 2 | ☐ | 1.000 | | 17157543.49 | | A | 1.8 |
| 3 | ☐ | 1.000 | | 17209378.91 | | A | 0.6 |
| 4 | ☐ | 1.000 | | 17186227.11 | | A | 1.6 |
| 5 | ☐ | 1.000 | | 16721659.34 | | A | 0.9 |
| 6 | ☐ | 1.000 | | 16289338.51 | | A | 1.6 |
| 7 | ☐ | 1.000 | | 15884319.90 | | A | 1.6 |
| 8 | ☐ | 1.000 | | 15278395.19 | | A | 1.0 |

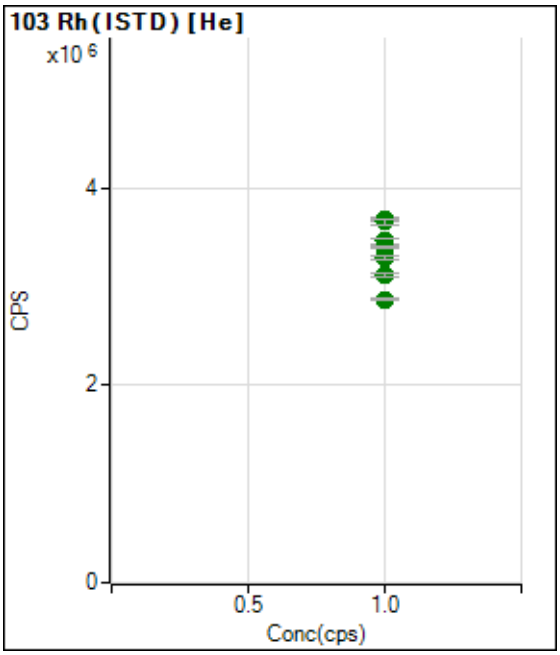



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 1282879.29 | | P | 0.6 |
| 2 | ☐ | 1.000 | | 1304707.28 | | P | 0.6 |
| 3 | ☐ | 1.000 | | 1283490.33 | | P | 0.5 |
| 4 | ☐ | 1.000 | | 1238245.68 | | P | 0.9 |
| 5 | ☐ | 1.000 | | 1221709.61 | | P | 0.6 |
| 6 | ☐ | 1.000 | | 1178186.49 | | P | 0.9 |
| 7 | ☐ | 1.000 | | 1153912.81 | | P | 1.6 |
| 8 | ☐ | 1.000 | | 1102024.11 | | P | 0.6 |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

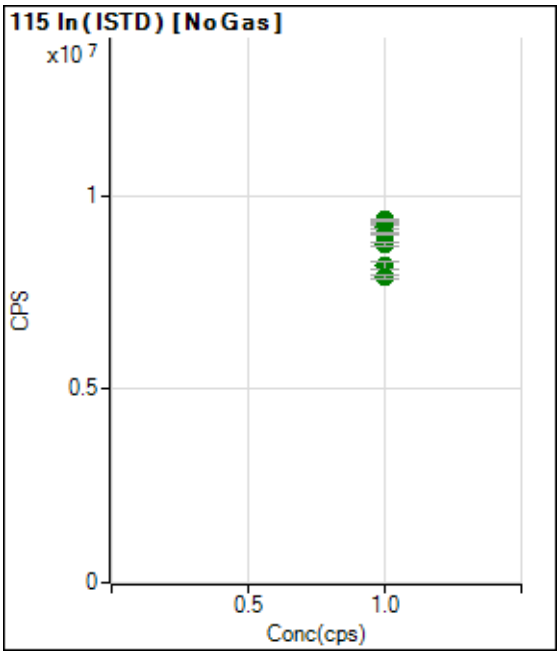



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 8943952.50 | | A | 1.3 |
| 2 | ☐ | 1.000 | | 9045967.43 | | A | 0.7 |
| 3 | ☐ | 1.000 | | 8985552.16 | | A | 1.1 |
| 4 | ☐ | 1.000 | | 8701253.83 | | A | 1.1 |
| 5 | ☐ | 1.000 | | 8440550.50 | | A | 0.7 |
| 6 | ☐ | 1.000 | | 8086718.77 | | A | 2.1 |
| 7 | ☐ | 1.000 | | 7824503.70 | | A | 1.9 |
| 8 | ☐ | 1.000 | | 7175772.39 | | A | 1.8 |

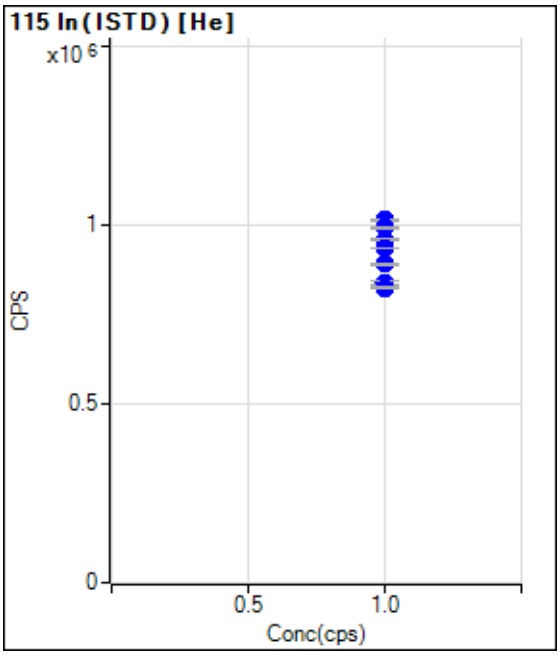



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 3670489.91 | | A | 0.5 |
| 2 | ☐ | 1.000 | | 3679498.03 | | A | 1.1 |
| 3 | ☐ | 1.000 | | 3664445.64 | | A | 1.5 |
| 4 | ☐ | 1.000 | | 3470823.73 | | A | 1.7 |
| 5 | ☐ | 1.000 | | 3399902.38 | | A | 0.8 |
| 6 | ☐ | 1.000 | | 3294267.10 | | A | 1.2 |
| 7 | ☐ | 1.000 | | 3125271.66 | | A | 1.2 |
| 8 | ☐ | 1.000 | | 2870360.82 | | A | 0.6 |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

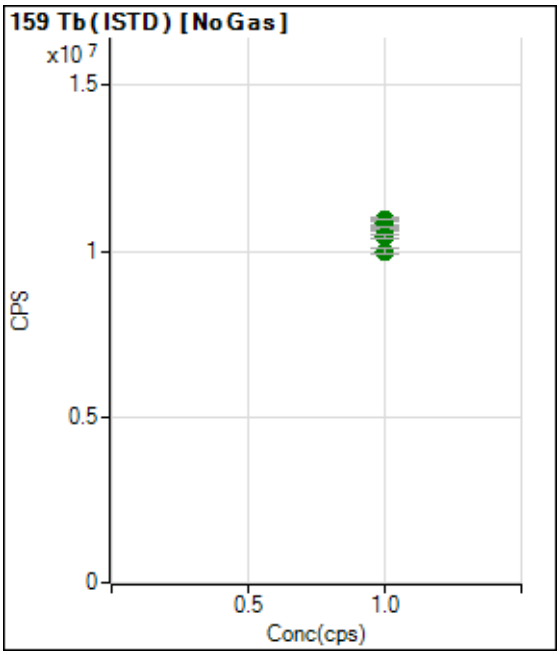



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 9214875.75 | | A | 0.9 |
| 2 | ☐ | 1.000 | | 9327988.59 | | A | 0.9 |
| 3 | ☐ | 1.000 | | 9310057.11 | | A | 0.1 |
| 4 | ☐ | 1.000 | | 9382944.95 | | A | 0.7 |
| 5 | ☐ | 1.000 | | 9023143.01 | | A | 0.7 |
| 6 | ☐ | 1.000 | | 8750211.43 | | A | 0.9 |
| 7 | ☐ | 1.000 | | 8199429.50 | | A | 2.0 |
| 8 | ☐ | 1.000 | | 7900363.38 | | A | 1.3 |

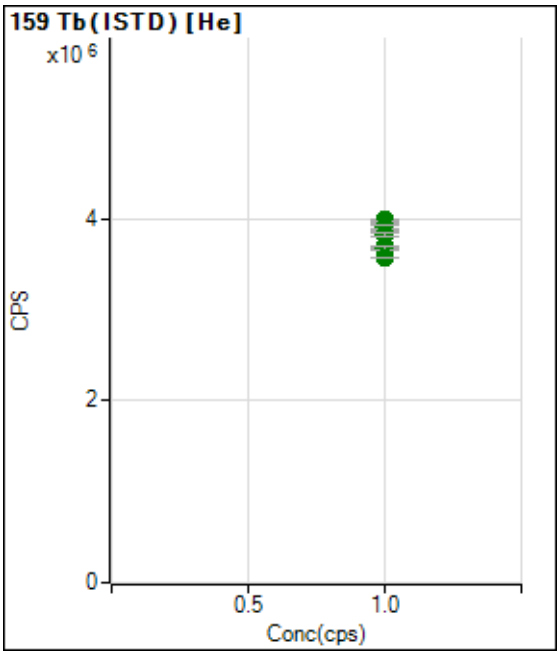



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 994340.03 | | P | 0.2 |
| 2 | ☐ | 1.000 | | 1013940.77 | | P | 0.5 |
| 3 | ☐ | 1.000 | | 991808.72 | | P | 0.4 |
| 4 | ☐ | 1.000 | | 958386.94 | | P | 0.3 |
| 5 | ☐ | 1.000 | | 935221.45 | | P | 0.5 |
| 6 | ☐ | 1.000 | | 889593.46 | | P | 0.8 |
| 7 | ☐ | 1.000 | | 839377.80 | | P | 1.4 |
| 8 | ☐ | 1.000 | | 824865.85 | | P | 0.4 |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

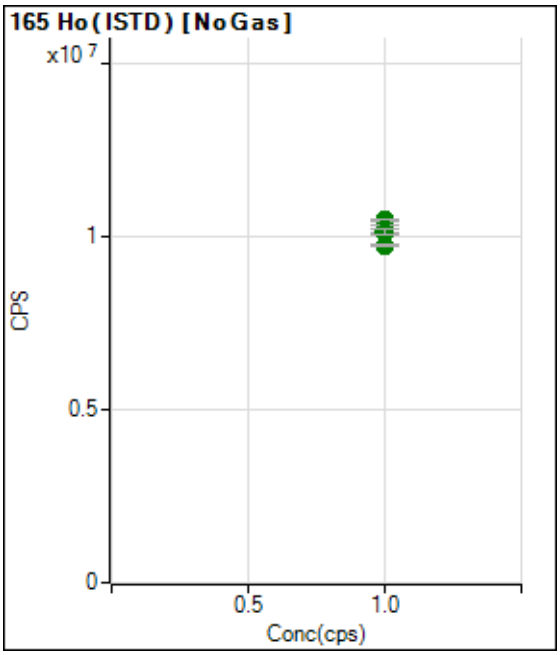



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 10726683.87 | | A | 0.9 |
| 2 | ☐ | 1.000 | | 10732353.31 | | A | 0.5 |
| 3 | ☐ | 1.000 | | 10945609.14 | | A | 1.1 |
| 4 | ☐ | 1.000 | | 10865028.45 | | A | 1.8 |
| 5 | ☐ | 1.000 | | 10675991.30 | | A | 1.0 |
| 6 | ☐ | 1.000 | | 10697454.15 | | A | 0.5 |
| 7 | ☐ | 1.000 | | 10443696.30 | | A | 1.1 |
| 8 | ☐ | 1.000 | | 10005869.85 | | A | 1.3 |

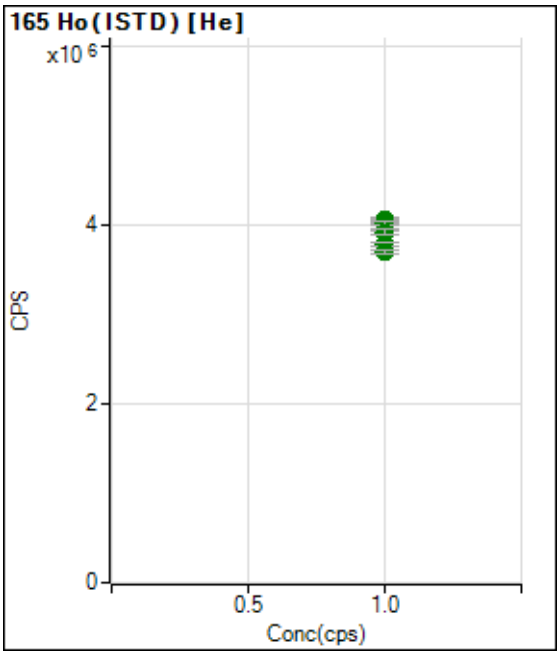



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 3880994.84 | | A | 0.7 |
| 2 | ☐ | 1.000 | | 3989105.39 | | A | 0.5 |
| 3 | ☐ | 1.000 | | 3967669.42 | | A | 0.5 |
| 4 | ☐ | 1.000 | | 3905654.77 | | A | 1.0 |
| 5 | ☐ | 1.000 | | 3835714.08 | | A | 1.2 |
| 6 | ☐ | 1.000 | | 3690419.01 | | A | 1.0 |
| 7 | ☐ | 1.000 | | 3680522.27 | | A | 0.7 |
| 8 | ☐ | 1.000 | | 3577357.03 | | A | 0.2 |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

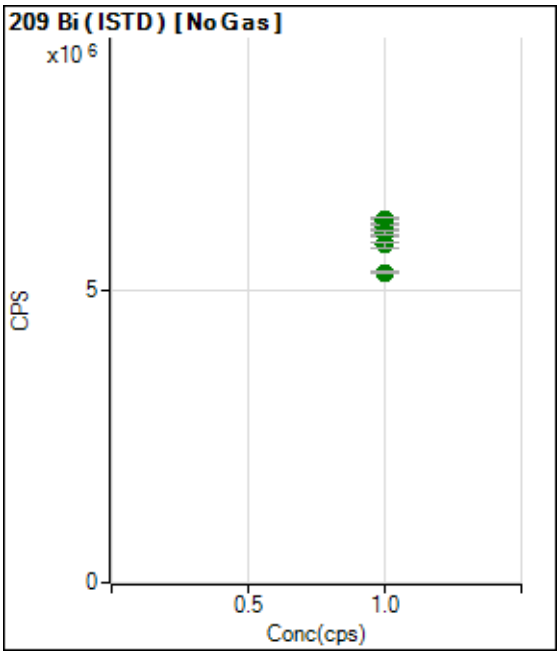



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 10160265.13 | | A | 1.4 |
| 2 | ☐ | 1.000 | | 10217861.31 | | A | 0.1 |
| 3 | ☐ | 1.000 | | 10196868.81 | | A | 0.3 |
| 4 | ☐ | 1.000 | | 10408293.11 | | A | 1.5 |
| 5 | ☐ | 1.000 | | 10469782.69 | | A | 0.5 |
| 6 | ☐ | 1.000 | | 10206651.72 | | A | 2.5 |
| 7 | ☐ | 1.000 | | 10118231.31 | | A | 1.7 |
| 8 | ☐ | 1.000 | | 9729941.73 | | A | 0.5 |

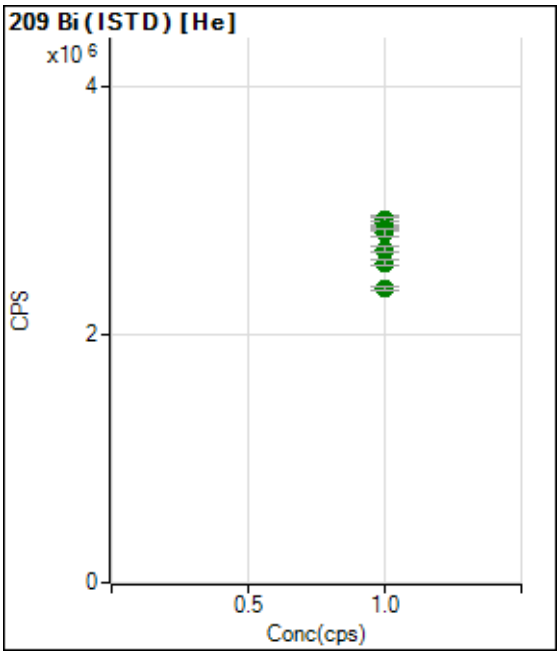



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 4023085.60 | | A | 0.9 |
| 2 | ☐ | 1.000 | | 4053317.47 | | A | 1.8 |
| 3 | ☐ | 1.000 | | 4059191.40 | | A | 0.7 |
| 4 | ☐ | 1.000 | | 3955664.21 | | A | 0.6 |
| 5 | ☐ | 1.000 | | 4018209.11 | | A | 1.3 |
| 6 | ☐ | 1.000 | | 3919927.82 | | A | 1.7 |
| 7 | ☐ | 1.000 | | 3784937.23 | | A | 0.9 |
| 8 | ☐ | 1.000 | | 3709345.33 | | A | 1.1 |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | | 1.000 | | 6122766.02 | | A | 0.1 |
| 2 | | 1.000 | | 5991230.95 | | A | 2.0 |
| 3 | | 1.000 | | 6191296.09 | | A | 1.1 |
| 4 | | 1.000 | | 6214274.08 | | A | 1.3 |
| 5 | | 1.000 | | 6080777.90 | | A | 1.7 |
| 6 | | 1.000 | | 5995237.55 | | A | 1.1 |
| 7 | | 1.000 | | 5787804.08 | | A | 1.8 |
| 8 | | 1.000 | | 5310863.53 | | A | 0.5 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | | 1.000 | | 2901555.68 | | A | 1.3 |
| 2 | | 1.000 | | 2909282.56 | | A | 3.2 |
| 3 | | 1.000 | | 2923625.82 | | A | 1.1 |
| 4 | | 1.000 | | 2848505.79 | | A | 0.4 |
| 5 | | 1.000 | | 2816987.28 | | A | 2.1 |
| 6 | | 1.000 | | 2686162.77 | | A | 1.8 |
| 7 | | 1.000 | | 2574793.64 | | A | 1.7 |
| 8 | | 1.000 | | 2372922.31 | | A | 1.2 |

# US EPA Tune Check Report

Reviewed By:Janv
On:5/23/2025 9:40 AM
Inst Id :P8
LB :LB135893

| | |
|---|---|
| **Operator Name** | Jaswal |
| **Acq/Data Batch** | D:\Agilent\ICPMH\1\DATA\P8052225MS.b |
| **Acq. Date-Time** | 2025-05-22 11:38:14 |
| **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 | | 41361 | 413614.20 | | | 0.818 | 5.000 |
| 24 | | 399928 | 3999282.38 | | | 0.405 | 5.000 |
| 25 | | 55846 | 558455.60 | | | 0.994 | 5.000 |
| 26 | | 64409 | 644085.00 | | | 0.821 | 5.000 |
| 59 | | 164122 | 1641216.78 | | | 0.545 | 5.000 |
| 113 | | 19957 | 199573.79 | | | 0.409 | 5.000 |
| 115 | | 251628 | 2516279.28 | | | 0.875 | 5.000 |
| 206 | | 50302 | 503023.44 | | | 0.810 | 5.000 |
| 207 | | 43868 | 438678.54 | | | 0.696 | 5.000 |
| 208 | | 107615 | 1076147.24 | | | 0.527 | 5.000 |
| 220 | | 1 | 7.10 | | | 15.267 | |

| 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 | 40998 | 41536 | 41208 | 41859 | 41206 |
| 24 | 399316 | 401818 | 397721 | 401178 | 399608 |
| 25 | 55589 | 55388 | 55854 | 56794 | 55604 |
| 26 | 64353 | 64180 | 64210 | 65323 | 63976 |
| 59 | 162566 | 164602 | 164443 | 164784 | 164213 |
| 113 | 19913 | 19889 | 20060 | 20031 | 19894 |
| 115 | 250642 | 254988 | 250309 | 249544 | 252657 |
| 206 | 49707 | 50554 | 50189 | 50784 | 50278 |
| 207 | 43562 | 43650 | 44071 | 44292 | 43765 |
| 208 | 107259 | 106896 | 107716 | 108383 | 107819 |

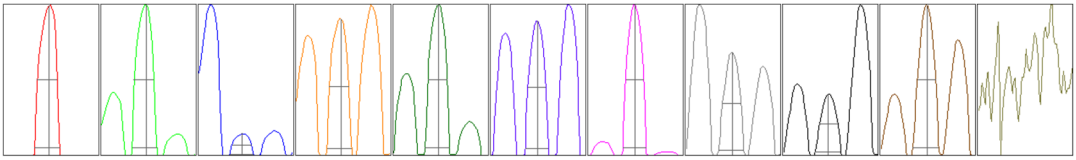
# US EPA Tune Check Report

Reviewed By:Janv
On:5/23/2025 9:40 AM
Inst Id :P8
LB :LB135893

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|---|---|---|---|---|---|
| 220 | 1 | 1 | 1 | 1 | 1 |

Integration Time [sec] 0.1

**Resolution/Axis**



| Mass | Peak Height | Axis | Axis (Required) | Axis (Flag) |
|---|---|---|---|---|
| 9 | 69751.49 | 8.95 | 8.90 - 9.10 | |
| 24 | 686391.08 | 23.95 | 23.90 - 24.10 | |
| 25 | 95814.26 | 24.90 | 24.90 - 25.10 | |
| 26 | 109039.09 | 25.95 | 25.90 - 26.10 | |
| 59 | 286786.78 | 58.95 | 58.90 - 59.10 | |
| 113 | 37494.01 | 113.00 | 112.90 - 113.10 | |
| 115 | 471150.92 | 115.00 | 114.90 - 115.10 | |
| 206 | 91537.13 | 206.00 | 205.90 - 206.10 | |
| 207 | 79139.24 | 206.95 | 206.90 - 207.10 | |
| 208 | 193666.53 | 208.00 | 207.90 - 208.10 | |
| 220 | | | - | |

| Mass | W-50% | W-5% | W-5% (Required) | W-5% (Flag) |
|---|---|---|---|---|
| 9 | 0.63 | 0.784 | 0.900 | |
| 24 | 0.63 | 0.781 | 0.900 | |
| 25 | 0.62 | 0.741 | 0.900 | |
| 26 | 0.62 | 0.781 | 0.900 | |
| 59 | 0.61 | 0.777 | 0.900 | |
| 113 | 0.56 | 0.734 | 0.900 | |
| 115 | 0.56 | 0.735 | 0.900 | |
| 206 | 0.58 | 0.790 | 0.900 | |
| 207 | 0.58 | 0.821 | 0.900 | |
| 208 | 0.58 | 0.815 | 0.900 | |
| 220 | 0.46 | | | |

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 :LB135893

| | | | | | |
|---|---|---|---|---|---|
| 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 | 7.7 V | Deflect | 14.8 V |
| Extract 2 | -175.0 V | Cell Entrance | -30 V | Plate Bias | -50 V |
| Omega Bias | -85 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 | 150 V | | |

**QP Parameters**

| | | | | | |
|---|---|---|---|---|---|
| Mass Gain | 104 | Axis Gain | 0.9967 | QP Bias | -4.0 V |
| Mass Offset | 126 | Axis Offset | -0.01 | | |

**Hardware Settings**

**Torch**

| | | | | | |
|---|---|---|---|---|---|
| Torch H | 1.3 mm | Torch V | 0.7 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 | | 30912 | 309119.95 | | | 0.655 | |
| 89 | | 46245 | 462451.71 | | | 0.910 | |
| 205 | | 35741 | 357405.03 | | | 0.212 | |

| Mass | RSD% (Flag) |
|---|---|
| 59 | |
| 89 | |
| 205 | |

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|---|---|---|---|---|---|
| 59 | 31026 | 31027 | 30924 | 31025 | 30558 |
| 89 | 46916 | 46193 | 46190 | 46180 | 45747 |
| 205 | 35807 | 35717 | 35832 | 35687 | 35659 |

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 | 7.7 V | Deflect | 2.8 V |

# US EPA Tune Check Report

Reviewed By:Janv
On:5/23/2025 9:40
AM
Inst Id :P8
LB :LB135893

| | | | | | |
|---|---|---|---|---|---|
| Extract 2 | -175.0 V | Cell Entrance | -50 V | Plate Bias | -60 V |
| Omega Bias | -85 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 | 200 V | | |

**QP Parameters**

| | | | | | |
|---|---|---|---|---|---|
| Mass Gain | 104 | Axis Gain | 0.9967 | QP Bias | -13.0 V |
| Mass Offset | 126 | Axis Offset | -0.01 | | |

**Hardware Settings**

**Torch**

| | | | |
|---|---|---|---|
| Torch H | 1.3 mm | Torch V | 0.7 mm |

**EM**

| | | | | | |
|---|---|---|---|---|---|
| Discriminator | 4.5 mV | Analog HV | 2174 V | Pulse HV | 965 V |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S0 | Instrumnet Name : | P8 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:27:00 | DataFile Name : | 004CALB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 0.42 | -0.06 | -0.35 | 0.00 | N/A | ppb |
| Antimony | 121-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Arsenic | 75-2 | 0.01 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Barium | 135-1 | 0.00 | 0.01 | -0.01 | 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 | -0.03 | 0.02 | 0.02 | 0.00 | N/A | ppb |
| Cadmium | 106-1 | -0.12 | 0.17 | -0.05 | 0.00 | N/A | ppb |
| Cadmium | 111-1 | -0.01 | 0.01 | 0.00 | 0.00 | N/A | ppb |
| Calcium | 43-1 | 1.82 | 0.72 | -2.54 | 0.00 | N/A | ppb |
| Calcium | 44-1 | 0.67 | 0.61 | -1.28 | 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 | 0.02 | -0.02 | 0.00 | N/A | ppb |
| Cobalt | 59-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Copper | 63-2 | -0.01 | 0.00 | 0.01 | 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 | -0.06 | 0.01 | 0.05 | 0.00 | N/A | ppb |
| Iron | 56-2 | -0.01 | 0.08 | -0.08 | 0.00 | N/A | ppb |
| Iron | 57-2 | -0.04 | 0.31 | -0.26 | 0.00 | N/A | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S0 | Instrumnet Name : | P8 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:27:00 | DataFile Name : | 004CALB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 0.00 | -0.01 | 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 | 0.36 | -0.38 | 0.01 | 0.00 | N/A | ppb |
| Manganese | 55-2 | -0.06 | 0.03 | 0.04 | 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 | 0.00 | -0.01 | 0.01 | 0.00 | N/A | ppb |
| Phosphorus | 31-2 | -141.07 | -144.78 | -141.34 | -142.39 | | ppb |
| Potassium | 39-2 | 1.20 | -1.59 | 0.39 | 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 | -0.11 | 0.06 | 0.00 | N/A | ppb |
| Selenium | 77-2 | -0.25 | 0.50 | -0.25 | 0.00 | N/A | ppb |
| Selenium | 78-2 | -0.22 | -0.01 | 0.23 | 0.00 | N/A | ppb |
| Silicon | 28-1 | -0.04 | 0.17 | -0.14 | 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 | 0.70 | 0.83 | -1.52 | 0.00 | N/A | ppb |
| Strontium | 86-1 | -0.02 | 0.01 | 0.01 | 0.00 | N/A | ppb |
| Strontium | 88-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Sulfur | 34-1 | -160.25 | -175.95 | -352.67 | -229.62 | | 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 | -0.01 | 0.01 | 0.00 | N/A | ppb |
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S0 | Instrumnet Name : | P8 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:27:00 | 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 | 0.06 | -0.03 | 0.00 | N/A | ppb |
| Zirconium | 90-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Zirconium | 91-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S2 | Instrumnet Name : | P8 |
| Client Sample ID : | S2 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:30:23 | DataFile Name : | 005CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 22.54 | 21.43 | 19.79 | 21.25 | 6.51 | ppb |
| Antimony | 121-1 | 2.05 | 2.10 | 2.12 | 2.09 | 1.76 | ppb |
| Arsenic | 75-2 | 1.05 | 0.87 | 0.96 | 0.96 | 9.76 | ppb |
| Barium | 135-1 | 10.35 | 10.39 | 10.39 | 10.38 | 0.21 | ppb |
| Barium | 137-1 | 10.52 | 10.58 | 10.46 | 10.52 | 0.60 | ppb |
| Beryllium | 9-1 | 1.18 | 1.15 | 1.19 | 1.17 | 1.81 | ppb |
| Bismuth | 209-1 | | | | 98 | | % |
| Bismuth | 209-2 | | | | 100 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 0.93 | 0.97 | 1.12 | 1.00 | 9.76 | ppb |
| Cadmium | 106-1 | 1.19 | 1.32 | 1.47 | 1.33 | 10.53 | ppb |
| Cadmium | 111-1 | 1.04 | 1.03 | 1.04 | 1.04 | 0.45 | ppb |
| Calcium | 43-1 | 520.21 | 512.97 | 504.55 | 512.58 | 1.53 | ppb |
| Calcium | 44-1 | 531.15 | 519.64 | 503.91 | 518.23 | 2.64 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 2.07 | 2.02 | 2.03 | 2.04 | 1.10 | ppb |
| Cobalt | 59-2 | 1.08 | 1.10 | 1.10 | 1.09 | 0.85 | ppb |
| Copper | 63-2 | 2.03 | 2.08 | 2.11 | 2.07 | 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 | | | | 101 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 54-2 | 56.86 | 55.67 | 55.30 | 55.94 | 1.46 | ppb |
| Iron | 56-2 | 53.55 | 53.85 | 52.28 | 53.23 | 1.56 | ppb |
| Iron | 57-2 | 51.46 | 51.68 | 51.29 | 51.47 | 0.38 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 0.81 | 0.86 | 0.81 | 0.82 | 3.72 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S2 | Instrumnet Name : | P8 |
| Client Sample ID : | S2 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:30:23 | DataFile Name : | 005CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 0.88 | 0.90 | 0.90 | 0.89 | 1.62 | ppb |
| Lead | 208-1 | 0.86 | 0.87 | 0.85 | 0.86 | 1.01 | ppb |
| Lithium | 6-1 | | | | 101 | | % |
| Magnesium | 24-2 | 545.20 | 535.28 | 540.85 | 540.45 | 0.92 | ppb |
| Manganese | 55-2 | 1.15 | 0.99 | 1.01 | 1.05 | 8.13 | ppb |
| Molybdenum | 94-1 | 6.15 | 6.22 | 6.21 | 6.19 | 0.64 | ppb |
| Molybdenum | 95-1 | 5.19 | 5.22 | 4.98 | 5.13 | 2.47 | ppb |
| Molybdenum | 96-1 | 5.14 | 5.30 | 5.00 | 5.15 | 2.94 | ppb |
| Molybdenum | 97-1 | 5.15 | 5.33 | 5.01 | 5.17 | 3.08 | ppb |
| Molybdenum | 98-1 | 5.14 | 5.30 | 5.07 | 5.17 | 2.31 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 1.00 | 1.02 | 0.94 | 0.98 | 4.11 | ppb |
| Phosphorus | 31-2 | 160.41 | 133.28 | 133.49 | 142.39 | 10.96 | ppb |
| Potassium | 39-2 | 515.04 | 523.00 | 517.75 | 518.60 | 0.78 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 5.01 | 5.61 | 5.25 | 5.29 | 5.71 | ppb |
| Selenium | 77-2 | 2.00 | 4.27 | 4.96 | 3.75 | 41.36 | ppb |
| Selenium | 78-2 | 7.71 | 3.97 | 7.85 | 6.51 | 33.78 | ppb |
| Silicon | 28-1 | 0.82 | 0.48 | 0.41 | 0.57 | 38.48 | ppb |
| Silver | 107-1 | 1.12 | 1.17 | 1.16 | 1.15 | 2.44 | ppb |
| Silver | 109-1 | 1.10 | 1.14 | 1.16 | 1.13 | 2.95 | ppb |
| Sodium | 23-2 | 524.03 | 525.87 | 518.84 | 522.91 | 0.70 | ppb |
| Strontium | 86-1 | 1.04 | 1.02 | 1.04 | 1.03 | 1.32 | ppb |
| Strontium | 88-1 | 1.02 | 1.05 | 1.04 | 1.03 | 1.31 | ppb |
| Sulfur | 34-1 | 532.85 | 126.91 | 29.11 | 229.62 | 116.33 | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 1.00 | 1.03 | 0.98 | 1.00 | 2.40 | ppb |
| Thallium | 205-1 | 1.02 | 1.03 | 0.99 | 1.01 | 2.36 | ppb |
| Tin | 118-1 | 5.20 | 5.30 | 5.32 | 5.27 | 1.21 | ppb |
| Titanium | 47-1 | 5.70 | 5.43 | 5.24 | 5.46 | 4.22 | ppb |
| Uranium | 238-1 | 0.97 | 0.97 | 0.97 | 0.97 | 0.34 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S2 | Instrumnet Name : | P8 |
| Client Sample ID : | S2 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:30:23 | DataFile Name : | 005CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 5.39 | 5.13 | 5.24 | 5.25 | 2.47 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 5.20 | 5.31 | 4.96 | 5.16 | 3.41 | ppb |
| Zirconium | 90-1 | 1.04 | 1.10 | 1.06 | 1.07 | 2.70 | ppb |
| Zirconium | 91-1 | 1.11 | 1.10 | 1.03 | 1.08 | 3.94 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S3 | Instrumnet Name : | P8 |
| Client Sample ID : | S3 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:37:13 | DataFile Name : | 007CALB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1017.70 | 1028.44 | 1021.42 | 1022.52 | 0.53 | ppb |
| Antimony | 121-1 | 49.01 | 49.19 | 49.73 | 49.31 | 0.76 | ppb |
| Arsenic | 75-2 | 49.65 | 51.00 | 51.29 | 50.65 | 1.73 | ppb |
| Barium | 135-1 | 246.34 | 249.00 | 252.47 | 249.27 | 1.23 | ppb |
| Barium | 137-1 | 248.98 | 253.16 | 257.44 | 253.19 | 1.67 | ppb |
| Beryllium | 9-1 | 55.41 | 55.29 | 54.53 | 55.08 | 0.87 | ppb |
| Bismuth | 209-1 | | | | 101 | | % |
| Bismuth | 209-2 | | | | 101 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 52.59 | 52.76 | 54.73 | 53.36 | 2.23 | ppb |
| Cadmium | 106-1 | 52.83 | 53.35 | 54.38 | 53.52 | 1.47 | ppb |
| Cadmium | 111-1 | 50.69 | 51.80 | 52.51 | 51.66 | 1.77 | ppb |
| Calcium | 43-1 | 5028.11 | 5064.27 | 4977.19 | 5023.19 | 0.87 | ppb |
| Calcium | 44-1 | 5005.91 | 5041.96 | 4904.23 | 4984.03 | 1.43 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 50.01 | 49.51 | 50.18 | 49.90 | 0.69 | ppb |
| Cobalt | 59-2 | 51.14 | 51.68 | 51.59 | 51.47 | 0.56 | ppb |
| Copper | 63-2 | 543.17 | 537.00 | 530.86 | 537.01 | 1.15 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 100 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 54-2 | 2649.32 | 2565.27 | 2624.70 | 2613.10 | 1.65 | ppb |
| Iron | 56-2 | 2645.35 | 2590.15 | 2531.79 | 2589.10 | 2.19 | ppb |
| Iron | 57-2 | 2580.45 | 2550.44 | 2543.23 | 2558.04 | 0.77 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 253.05 | 249.74 | 245.52 | 249.44 | 1.51 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S3 | Instrumnet Name : | P8 |
| Client Sample ID : | S3 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:37:13 | DataFile Name : | 007CALB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 246.96 | 246.30 | 244.58 | 245.95 | 0.50 | ppb |
| Lead | 208-1 | 248.81 | 246.67 | 245.53 | 247.00 | 0.67 | ppb |
| Lithium | 6-1 | | | | 99 | | % |
| Magnesium | 24-2 | 5294.10 | 5322.60 | 5346.10 | 5320.93 | 0.49 | ppb |
| Manganese | 55-2 | 513.58 | 509.27 | 511.22 | 511.36 | 0.42 | ppb |
| Molybdenum | 94-1 | 496.75 | 504.17 | 497.54 | 499.48 | 0.82 | ppb |
| Molybdenum | 95-1 | 510.12 | 513.60 | 504.33 | 509.35 | 0.92 | ppb |
| Molybdenum | 96-1 | 501.06 | 502.40 | 504.30 | 502.58 | 0.32 | ppb |
| Molybdenum | 97-1 | 507.59 | 506.68 | 515.94 | 510.07 | 1.00 | ppb |
| Molybdenum | 98-1 | 507.11 | 505.75 | 505.44 | 506.10 | 0.18 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 53.86 | 53.97 | 53.20 | 53.68 | 0.78 | ppb |
| Phosphorus | 31-2 | 914.35 | 904.35 | 901.09 | 906.60 | 0.76 | ppb |
| Potassium | 39-2 | 2606.34 | 2575.97 | 2594.82 | 2592.38 | 0.59 | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 102 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 51.46 | 51.10 | 53.74 | 52.10 | 2.75 | ppb |
| Selenium | 77-2 | 49.39 | 53.32 | 50.58 | 51.10 | 3.95 | ppb |
| Selenium | 78-2 | 58.82 | 50.41 | 49.73 | 52.99 | 9.56 | ppb |
| Silicon | 28-1 | 51.31 | 51.73 | 50.54 | 51.19 | 1.17 | ppb |
| Silver | 107-1 | 50.92 | 51.75 | 52.51 | 51.72 | 1.54 | ppb |
| Silver | 109-1 | 51.23 | 52.36 | 53.50 | 52.36 | 2.17 | ppb |
| Sodium | 23-2 | 5082.84 | 5285.26 | 5149.92 | 5172.68 | 1.99 | ppb |
| Strontium | 86-1 | 48.66 | 49.24 | 50.03 | 49.31 | 1.40 | ppb |
| Strontium | 88-1 | 51.46 | 49.76 | 51.10 | 50.77 | 1.77 | ppb |
| Sulfur | 34-1 | 1432.82 | 1438.46 | 1303.42 | 1391.57 | 5.49 | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 46.20 | 47.07 | 47.84 | 47.04 | 1.75 | ppb |
| Thallium | 205-1 | 47.13 | 47.08 | 47.96 | 47.39 | 1.04 | ppb |
| Tin | 118-1 | 50.04 | 50.56 | 51.09 | 50.56 | 1.04 | ppb |
| Titanium | 47-1 | 497.71 | 506.30 | 499.79 | 501.27 | 0.89 | ppb |
| Uranium | 238-1 | 45.29 | 45.50 | 46.15 | 45.65 | 0.97 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S3 | Instrumnet Name : | P8 |
| Client Sample ID : | S3 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:37:13 | DataFile Name : | 007CALB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 50.94 | 50.58 | 51.00 | 50.84 | 0.44 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | 516.42 | 512.34 | 513.73 | 514.16 | 0.40 | ppb |
| Zirconium | 90-1 | 48.10 | 49.22 | 49.18 | 48.84 | 1.30 | ppb |
| Zirconium | 91-1 | 49.28 | 49.36 | 49.69 | 49.45 | 0.44 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S4 | Instrumnet Name : | P8 |
| Client Sample ID : | S4 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:41:56 | DataFile Name : | 008CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2580.36 | 2576.22 | 2542.61 | 2566.40 | 0.81 | ppb |
| Antimony | 121-1 | 125.16 | 128.07 | 129.15 | 127.46 | 1.62 | ppb |
| Arsenic | 75-2 | 127.83 | 123.14 | 124.62 | 125.20 | 1.91 | ppb |
| Barium | 135-1 | 617.37 | 635.80 | 656.01 | 636.39 | 3.04 | ppb |
| Barium | 137-1 | 616.01 | 634.29 | 682.10 | 644.13 | 5.30 | ppb |
| Beryllium | 9-1 | 132.72 | 135.47 | 135.72 | 134.64 | 1.23 | ppb |
| Bismuth | 209-1 | | | | 101 | | % |
| Bismuth | 209-2 | | | | 98 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 128.12 | 131.75 | 133.89 | 131.26 | 2.22 | ppb |
| Cadmium | 106-1 | 126.61 | 130.97 | 132.93 | 130.17 | 2.49 | ppb |
| Cadmium | 111-1 | 124.56 | 127.75 | 129.66 | 127.32 | 2.02 | ppb |
| Calcium | 43-1 | 12458.80 | 12282.31 | 12633.06 | 12458.06 | 1.41 | ppb |
| Calcium | 44-1 | 12329.84 | 12161.69 | 12472.50 | 12321.34 | 1.26 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 123.67 | 123.96 | 122.96 | 123.53 | 0.41 | ppb |
| Cobalt | 59-2 | 126.94 | 127.00 | 125.84 | 126.59 | 0.52 | ppb |
| Copper | 63-2 | 1308.95 | 1313.08 | 1294.75 | 1305.59 | 0.74 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 102 | | % |
| Holmium | 165-2 | | | | 98 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 54-2 | 6539.71 | 6464.55 | 6367.86 | 6457.37 | 1.33 | ppb |
| Iron | 56-2 | 6477.26 | 6499.71 | 6332.74 | 6436.57 | 1.41 | ppb |
| Iron | 57-2 | 6278.66 | 6317.31 | 6351.06 | 6315.67 | 0.57 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 607.36 | 624.74 | 612.69 | 614.93 | 1.45 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S4 | Instrumnet Name : | P8 |
| Client Sample ID : | S4 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:41:56 | DataFile Name : | 008CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 603.23 | 634.83 | 602.73 | 613.59 | 3.00 | ppb |
| Lead | 208-1 | 610.43 | 618.14 | 603.44 | 610.67 | 1.20 | ppb |
| Lithium | 6-1 | | | | 98 | | % |
| Magnesium | 24-2 | 12821.49 | 13004.23 | 13109.78 | 12978.50 | 1.12 | ppb |
| Manganese | 55-2 | 1289.31 | 1323.00 | 1279.72 | 1297.34 | 1.75 | ppb |
| Molybdenum | 94-1 | 1165.41 | 1234.06 | 1195.36 | 1198.28 | 2.87 | ppb |
| Molybdenum | 95-1 | 1201.66 | 1261.83 | 1221.13 | 1228.21 | 2.50 | ppb |
| Molybdenum | 96-1 | 1184.26 | 1239.87 | 1195.32 | 1206.49 | 2.44 | ppb |
| Molybdenum | 97-1 | 1182.53 | 1251.26 | 1214.25 | 1216.01 | 2.83 | ppb |
| Molybdenum | 98-1 | 1187.51 | 1239.82 | 1234.88 | 1220.74 | 2.37 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 131.57 | 131.70 | 131.12 | 131.46 | 0.23 | ppb |
| Phosphorus | 31-2 | 2323.43 | 2285.95 | 2366.26 | 2325.21 | 1.73 | ppb |
| Potassium | 39-2 | 6358.47 | 6471.90 | 6447.66 | 6426.01 | 0.93 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 98 | | % |
| Scandium | 45-2 | | | | 97 | | % |
| Selenium | 82-1 | 122.12 | 124.90 | 126.39 | 124.47 | 1.74 | ppb |
| Selenium | 77-2 | 129.95 | 126.99 | 119.40 | 125.45 | 4.34 | ppb |
| Selenium | 78-2 | 127.12 | 131.21 | 124.56 | 127.63 | 2.63 | ppb |
| Silicon | 28-1 | 128.32 | 124.34 | 128.46 | 127.04 | 1.84 | ppb |
| Silver | 107-1 | 131.85 | 135.15 | 134.21 | 133.74 | 1.27 | ppb |
| Silver | 109-1 | 132.44 | 135.04 | 137.34 | 134.94 | 1.82 | ppb |
| Sodium | 23-2 | 13050.55 | 12586.04 | 12702.95 | 12779.85 | 1.89 | ppb |
| Strontium | 86-1 | 116.43 | 121.94 | 119.48 | 119.28 | 2.31 | ppb |
| Strontium | 88-1 | 119.12 | 124.26 | 123.00 | 122.13 | 2.19 | ppb |
| Sulfur | 34-1 | 3443.26 | 3063.05 | 3277.20 | 3261.17 | 5.84 | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 115.45 | 119.73 | 116.43 | 117.20 | 1.91 | ppb |
| Thallium | 205-1 | 119.50 | 121.30 | 122.57 | 121.12 | 1.27 | ppb |
| Tin | 118-1 | 121.45 | 123.69 | 129.33 | 124.83 | 3.25 | ppb |
| Titanium | 47-1 | 1265.97 | 1220.23 | 1269.04 | 1251.74 | 2.18 | ppb |
| Uranium | 238-1 | 118.75 | 120.46 | 119.11 | 119.44 | 0.76 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S4 | Instrumnet Name : | P8 |
| Client Sample ID : | S4 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:41:56 | DataFile Name : | 008CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 124.98 | 125.69 | 124.32 | 125.00 | 0.55 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 97 | | % |
| Zinc | 66-2 | 1261.95 | 1270.92 | 1265.67 | 1266.18 | 0.36 | ppb |
| Zirconium | 90-1 | 120.96 | 124.43 | 123.08 | 122.82 | 1.42 | ppb |
| Zirconium | 91-1 | 116.12 | 122.94 | 120.93 | 120.00 | 2.92 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S5 | Instrumnet Name : | P8 |
| Client Sample ID : | S5 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:44:58 | DataFile Name : | 009CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5144.21 | 5138.13 | 5167.12 | 5149.82 | 0.30 | ppb |
| Antimony | 121-1 | 251.05 | 262.39 | 253.22 | 255.55 | 2.36 | ppb |
| Arsenic | 75-2 | 253.81 | 253.36 | 246.73 | 251.30 | 1.58 | ppb |
| Barium | 135-1 | 1266.01 | 1326.86 | 1287.74 | 1293.54 | 2.38 | ppb |
| Barium | 137-1 | 1262.91 | 1339.38 | 1302.38 | 1301.56 | 2.94 | ppb |
| Beryllium | 9-1 | 267.15 | 270.79 | 274.75 | 270.89 | 1.40 | ppb |
| Bismuth | 209-1 | | | | 99 | | % |
| Bismuth | 209-2 | | | | 97 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 255.96 | 269.15 | 264.33 | 263.15 | 2.54 | ppb |
| Cadmium | 106-1 | 257.31 | 264.58 | 266.84 | 262.91 | 1.89 | ppb |
| Cadmium | 111-1 | 249.00 | 257.08 | 258.78 | 254.96 | 2.05 | ppb |
| Calcium | 43-1 | 26139.21 | 25393.57 | 25798.67 | 25777.15 | 1.45 | ppb |
| Calcium | 44-1 | 26076.67 | 25150.93 | 25574.02 | 25600.54 | 1.81 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 248.48 | 249.62 | 250.40 | 249.50 | 0.39 | ppb |
| Cobalt | 59-2 | 254.37 | 250.65 | 253.35 | 252.79 | 0.76 | ppb |
| Copper | 63-2 | 2610.26 | 2568.65 | 2608.77 | 2595.89 | 0.91 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 103 | | % |
| Holmium | 165-2 | | | | 100 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 94 | | % |
| Iron | 54-2 | 13260.34 | 13247.08 | 13200.90 | 13236.11 | 0.24 | ppb |
| Iron | 56-2 | 12901.92 | 12834.56 | 12806.33 | 12847.60 | 0.38 | ppb |
| Iron | 57-2 | 12659.58 | 12685.18 | 12540.73 | 12628.50 | 0.61 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 1295.98 | 1249.37 | 1258.92 | 1268.09 | 1.94 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S5 | Instrumnet Name : | P8 |
| Client Sample ID : | S5 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:44:58 | DataFile Name : | 009CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 1283.37 | 1275.16 | 1257.63 | 1272.05 | 1.03 | ppb |
| Lead | 208-1 | 1258.45 | 1262.04 | 1274.44 | 1264.98 | 0.66 | ppb |
| Lithium | 6-1 | | | | 95 | | % |
| Magnesium | 24-2 | 26138.59 | 25940.17 | 25332.84 | 25803.87 | 1.63 | ppb |
| Manganese | 55-2 | 2566.09 | 2546.08 | 2595.14 | 2569.10 | 0.96 | ppb |
| Molybdenum | 94-1 | 2506.09 | 2459.93 | 2463.17 | 2476.40 | 1.04 | ppb |
| Molybdenum | 95-1 | 2452.13 | 2489.13 | 2500.89 | 2480.72 | 1.03 | ppb |
| Molybdenum | 96-1 | 2499.84 | 2523.68 | 2414.50 | 2479.34 | 2.32 | ppb |
| Molybdenum | 97-1 | 2515.97 | 2495.77 | 2516.36 | 2509.37 | 0.47 | ppb |
| Molybdenum | 98-1 | 2513.29 | 2461.64 | 2489.99 | 2488.31 | 1.04 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 263.30 | 262.62 | 262.09 | 262.67 | 0.23 | ppb |
| Phosphorus | 31-2 | 4940.13 | 4931.13 | 5038.49 | 4969.92 | 1.20 | ppb |
| Potassium | 39-2 | 12917.33 | 12871.80 | 12655.98 | 12815.04 | 1.09 | ppb |
| Rhodium | 103-1 | | | | 94 | | % |
| Rhodium | 103-2 | | | | 93 | | % |
| Scandium | 45-1 | | | | 94 | | % |
| Scandium | 45-2 | | | | 95 | | % |
| Selenium | 82-1 | 257.04 | 259.84 | 255.11 | 257.33 | 0.92 | ppb |
| Selenium | 77-2 | 245.97 | 238.36 | 250.31 | 244.88 | 2.47 | ppb |
| Selenium | 78-2 | 262.92 | 247.62 | 248.19 | 252.91 | 3.43 | ppb |
| Silicon | 28-1 | 256.27 | 259.35 | 256.57 | 257.39 | 0.66 | ppb |
| Silver | 107-1 | 259.86 | 270.25 | 262.45 | 264.18 | 2.05 | ppb |
| Silver | 109-1 | 257.73 | 267.67 | 271.82 | 265.74 | 2.72 | ppb |
| Sodium | 23-2 | 25819.21 | 26106.45 | 25982.90 | 25969.52 | 0.55 | ppb |
| Strontium | 86-1 | 244.09 | 247.41 | 243.10 | 244.87 | 0.92 | ppb |
| Strontium | 88-1 | 247.60 | 253.61 | 251.43 | 250.88 | 1.21 | ppb |
| Sulfur | 34-1 | 7041.87 | 6651.57 | 6431.98 | 6708.47 | 4.60 | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | 263.91 | 255.60 | 249.21 | 256.24 | 2.88 | ppb |
| Thallium | 205-1 | 249.76 | 252.04 | 252.59 | 251.46 | 0.60 | ppb |
| Tin | 118-1 | 256.79 | 260.45 | 265.38 | 260.87 | 1.65 | ppb |
| Titanium | 47-1 | 2603.52 | 2487.14 | 2514.55 | 2535.07 | 2.40 | ppb |
| Uranium | 238-1 | 244.88 | 249.81 | 249.86 | 248.18 | 1.15 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S5 | Instrumnet Name : | P8 |
| Client Sample ID : | S5 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:44:58 | DataFile Name : | 009CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 251.71 | 250.67 | 253.89 | 252.09 | 0.65 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 95 | | % |
| Zinc | 66-2 | 2527.12 | 2529.88 | 2530.67 | 2529.22 | 0.07 | ppb |
| Zirconium | 90-1 | 250.19 | 257.49 | 245.67 | 251.12 | 2.38 | ppb |
| Zirconium | 91-1 | 243.01 | 247.96 | 244.02 | 245.00 | 1.07 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S6 | Instrumnet Name : | P8 |
| Client Sample ID : | S6 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:48:00 | DataFile Name : | 010CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 10133.47 | 10452.33 | 10362.13 | 10315.98 | 1.59 | ppb |
| Antimony | 121-1 | 498.13 | 498.85 | 507.20 | 501.40 | 1.01 | ppb |
| Arsenic | 75-2 | 499.59 | 502.73 | 510.51 | 504.28 | 1.11 | ppb |
| Barium | 135-1 | 2517.97 | 2542.92 | 2544.85 | 2535.24 | 0.59 | ppb |
| Barium | 137-1 | 2515.42 | 2559.99 | 2541.26 | 2538.89 | 0.88 | ppb |
| Beryllium | 9-1 | 503.00 | 494.32 | 489.03 | 495.45 | 1.42 | ppb |
| Bismuth | 209-1 | | | | 98 | | % |
| Bismuth | 209-2 | | | | 93 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 497.38 | 511.14 | 510.80 | 506.44 | 1.55 | ppb |
| Cadmium | 106-1 | 495.15 | 512.41 | 513.50 | 507.02 | 2.03 | ppb |
| Cadmium | 111-1 | 511.99 | 502.88 | 513.41 | 509.42 | 1.12 | ppb |
| Calcium | 43-1 | 51749.92 | 48925.29 | 49521.76 | 50065.66 | 2.97 | ppb |
| Calcium | 44-1 | 51673.59 | 49317.22 | 49788.97 | 50259.93 | 2.48 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 500.55 | 504.18 | 510.24 | 504.99 | 0.97 | ppb |
| Cobalt | 59-2 | 525.01 | 523.79 | 520.80 | 523.20 | 0.41 | ppb |
| Copper | 63-2 | 5222.73 | 5199.92 | 5131.35 | 5184.67 | 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 | | | | 100 | | % |
| Holmium | 165-2 | | | | 97 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 89 | | % |
| Iron | 54-2 | 25907.13 | 26928.12 | 26440.96 | 26425.40 | 1.93 | ppb |
| Iron | 56-2 | 25244.88 | 25594.64 | 25957.86 | 25599.13 | 1.39 | ppb |
| Iron | 57-2 | 24786.61 | 25399.62 | 25306.30 | 25164.18 | 1.31 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 2485.79 | 2484.96 | 2460.33 | 2477.03 | 0.58 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S6 | Instrumnet Name : | P8 |
| Client Sample ID : | S6 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:48:00 | DataFile Name : | 010CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 2465.19 | 2551.88 | 2483.92 | 2500.33 | 1.82 | ppb |
| Lead | 208-1 | 2475.09 | 2523.90 | 2457.98 | 2485.66 | 1.38 | ppb |
| Lithium | 6-1 | | | | 93 | | % |
| Magnesium | 24-2 | 51912.92 | 52284.21 | 52600.58 | 52265.90 | 0.66 | ppb |
| Manganese | 55-2 | 4995.74 | 5062.26 | 5011.67 | 5023.22 | 0.69 | ppb |
| Molybdenum | 94-1 | 5088.67 | 4944.13 | 5021.36 | 5018.05 | 1.44 | ppb |
| Molybdenum | 95-1 | 5132.92 | 4983.32 | 5026.84 | 5047.69 | 1.52 | ppb |
| Molybdenum | 96-1 | 4990.90 | 4914.35 | 4969.82 | 4958.36 | 0.80 | ppb |
| Molybdenum | 97-1 | 5009.61 | 5036.86 | 4955.75 | 5000.74 | 0.83 | ppb |
| Molybdenum | 98-1 | 5149.52 | 5109.44 | 5121.51 | 5126.82 | 0.40 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 513.87 | 525.47 | 516.60 | 518.65 | 1.17 | ppb |
| Phosphorus | 31-2 | 9948.02 | 10032.41 | 10334.11 | 10104.85 | 2.01 | ppb |
| Potassium | 39-2 | 25859.44 | 26281.36 | 25905.61 | 26015.47 | 0.89 | ppb |
| Rhodium | 103-1 | | | | 90 | | % |
| Rhodium | 103-2 | | | | 90 | | % |
| Scandium | 45-1 | | | | 93 | | % |
| Scandium | 45-2 | | | | 92 | | % |
| Selenium | 82-1 | 505.80 | 499.64 | 505.52 | 503.65 | 0.69 | ppb |
| Selenium | 77-2 | 537.34 | 499.33 | 538.90 | 525.19 | 4.27 | ppb |
| Selenium | 78-2 | 520.58 | 517.03 | 521.51 | 519.71 | 0.46 | ppb |
| Silicon | 28-1 | 518.01 | 491.40 | 495.82 | 501.74 | 2.84 | ppb |
| Silver | 107-1 | 510.31 | 514.70 | 498.64 | 507.88 | 1.63 | ppb |
| Silver | 109-1 | 505.69 | 506.66 | 513.15 | 508.50 | 0.80 | ppb |
| Sodium | 23-2 | 50508.90 | 51508.23 | 53569.82 | 51862.32 | 3.01 | ppb |
| Strontium | 86-1 | 509.59 | 495.05 | 506.94 | 503.86 | 1.54 | ppb |
| Strontium | 88-1 | 490.53 | 492.20 | 499.37 | 494.03 | 0.95 | ppb |
| Sulfur | 34-1 | 10448.17 | 9273.12 | 9235.94 | 9652.41 | 7.14 | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 95 | | % |
| Thallium | 203-1 | 499.46 | 505.59 | 495.98 | 500.34 | 0.97 | ppb |
| Thallium | 205-1 | 497.02 | 486.31 | 488.44 | 490.59 | 1.16 | ppb |
| Tin | 118-1 | 486.88 | 498.48 | 508.95 | 498.11 | 2.22 | ppb |
| Titanium | 47-1 | 5155.72 | 4831.64 | 4937.73 | 4975.03 | 3.32 | ppb |
| Uranium | 238-1 | 492.49 | 505.68 | 484.71 | 494.29 | 2.14 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S6 | Instrumnet Name : | P8 |
| Client Sample ID : | S6 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:48:00 | DataFile Name : | 010CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 503.35 | 507.30 | 508.83 | 506.49 | 0.56 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 97 | | % |
| Yttrium | 89-2 | | | | 92 | | % |
| Zinc | 66-2 | 5167.40 | 5261.64 | 5193.13 | 5207.39 | 0.94 | ppb |
| Zirconium | 90-1 | 511.41 | 497.54 | 498.28 | 502.41 | 1.55 | ppb |
| Zirconium | 91-1 | 515.26 | 505.05 | 505.72 | 508.68 | 1.12 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S7 | Instrumnet Name : | P8 |
| Client Sample ID : | S7 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:50:45 | DataFile Name : | 011CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 20234.70 | 20423.43 | 19935.26 | 20197.80 | 1.22 | ppb |
| Antimony | 121-1 | 965.33 | 1012.38 | 1015.21 | 997.64 | 2.81 | ppb |
| Arsenic | 75-2 | 1011.10 | 996.75 | 984.59 | 997.48 | 1.33 | ppb |
| Barium | 135-1 | 4887.52 | 4988.32 | 5034.48 | 4970.11 | 1.51 | ppb |
| Barium | 137-1 | 4732.98 | 5109.37 | 5052.99 | 4965.11 | 4.09 | ppb |
| Beryllium | 9-1 | 974.36 | 1015.37 | 997.04 | 995.59 | 2.06 | ppb |
| Bismuth | 209-1 | | | | 95 | | % |
| Bismuth | 209-2 | | | | 89 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 972.76 | 995.79 | 1009.08 | 992.54 | 1.85 | ppb |
| Cadmium | 106-1 | 964.81 | 1007.92 | 1004.59 | 992.44 | 2.42 | ppb |
| Cadmium | 111-1 | 964.01 | 1002.85 | 1014.16 | 993.67 | 2.65 | ppb |
| Calcium | 43-1 | 94182.82 | 99583.27 | 98222.46 | 97329.52 | 2.89 | ppb |
| Calcium | 44-1 | 96983.10 | 101073.55 | 100068.00 | 99374.88 | 2.14 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1017.15 | 996.01 | 980.29 | 997.82 | 1.85 | ppb |
| Cobalt | 59-2 | 1004.89 | 995.75 | 961.65 | 987.43 | 2.31 | ppb |
| Copper | 63-2 | 9953.43 | 9820.59 | 9850.65 | 9874.89 | 0.71 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 100 | | % |
| Holmium | 165-2 | | | | 94 | | % |
| Indium | 115-1 | | | | 89 | | % |
| Indium | 115-2 | | | | 84 | | % |
| Iron | 54-2 | 51040.42 | 50799.42 | 50845.27 | 50895.04 | 0.25 | ppb |
| Iron | 56-2 | 50724.83 | 49695.05 | 47838.47 | 49419.45 | 2.96 | ppb |
| Iron | 57-2 | 49983.09 | 50795.75 | 50459.70 | 50412.85 | 0.81 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 5049.36 | 5003.84 | 4971.55 | 5008.25 | 0.78 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S7 | Instrumnet Name : | P8 |
| Client Sample ID : | S7 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:50:45 | DataFile Name : | 011CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 4936.87 | 5126.42 | 4924.56 | 4995.95 | 2.27 | ppb |
| Lead | 208-1 | 4959.52 | 5072.48 | 4984.10 | 5005.37 | 1.19 | ppb |
| Lithium | 6-1 | | | | 89 | | % |
| Magnesium | 24-2 | 102552.15 | 100458.07 | 100514.34 | 101174.85 | 1.18 | ppb |
| Manganese | 55-2 | 10058.01 | 9970.87 | 9865.00 | 9964.63 | 0.97 | ppb |
| Molybdenum | 94-1 | 9987.48 | 10119.80 | 9902.81 | 10003.36 | 1.09 | ppb |
| Molybdenum | 95-1 | 10078.12 | 10021.07 | 9850.50 | 9983.23 | 1.19 | ppb |
| Molybdenum | 96-1 | 10118.23 | 10072.94 | 9902.72 | 10031.30 | 1.13 | ppb |
| Molybdenum | 97-1 | 9856.10 | 10204.87 | 9942.13 | 10001.03 | 1.82 | ppb |
| Molybdenum | 98-1 | 9949.46 | 10090.90 | 9788.23 | 9942.87 | 1.52 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 1002.26 | 979.43 | 977.86 | 986.52 | 1.38 | ppb |
| Phosphorus | 31-2 | 20149.20 | 20089.10 | 19706.54 | 19981.62 | 1.20 | ppb |
| Potassium | 39-2 | 50467.38 | 49383.51 | 49481.21 | 49777.37 | 1.20 | ppb |
| Rhodium | 103-1 | | | | 87 | | % |
| Rhodium | 103-2 | | | | 85 | | % |
| Scandium | 45-1 | | | | 90 | | % |
| Scandium | 45-2 | | | | 92 | | % |
| Selenium | 82-1 | 1008.30 | 996.27 | 984.33 | 996.30 | 1.20 | ppb |
| Selenium | 77-2 | 1018.86 | 977.98 | 968.90 | 988.58 | 2.69 | ppb |
| Selenium | 78-2 | 1021.81 | 979.38 | 965.61 | 988.93 | 2.96 | ppb |
| Silicon | 28-1 | 1007.11 | 996.84 | 987.23 | 997.06 | 1.00 | ppb |
| Silver | 107-1 | 974.20 | 991.69 | 1008.12 | 991.33 | 1.71 | ppb |
| Silver | 109-1 | 977.32 | 981.76 | 1012.29 | 990.46 | 1.92 | ppb |
| Sodium | 23-2 | 100899.39 | 99676.50 | 101123.05 | 100566.31 | 0.77 | ppb |
| Strontium | 86-1 | 1009.80 | 995.98 | 994.52 | 1000.10 | 0.84 | ppb |
| Strontium | 88-1 | 999.24 | 1008.15 | 1001.86 | 1003.08 | 0.46 | ppb |
| Sulfur | 34-1 | 19669.15 | 19954.28 | 19272.42 | 19631.95 | 1.74 | ppb |
| Terbium | 159-1 | | | | 97 | | % |
| Terbium | 159-2 | | | | 95 | | % |
| Thallium | 203-1 | 1012.26 | 1000.02 | 985.90 | 999.39 | 1.32 | ppb |
| Thallium | 205-1 | 1009.87 | 987.61 | 1017.39 | 1004.95 | 1.54 | ppb |
| Tin | 118-1 | 973.75 | 1012.05 | 1008.86 | 998.22 | 2.13 | ppb |
| Titanium | 47-1 | 9841.79 | 10090.84 | 10077.68 | 10003.44 | 1.40 | ppb |
| Uranium | 238-1 | 990.01 | 1021.58 | 1001.07 | 1004.22 | 1.60 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S7 | Instrumnet Name : | P8 |
| Client Sample ID : | S7 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:50:45 | DataFile Name : | 011CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 988.53 | 1007.64 | 992.40 | 996.19 | 1.01 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 95 | | % |
| Yttrium | 89-2 | | | | 90 | | % |
| Zinc | 66-2 | 10122.43 | 9817.94 | 9718.43 | 9886.27 | 2.13 | ppb |
| Zirconium | 90-1 | 994.54 | 1011.23 | 990.77 | 998.85 | 1.09 | ppb |
| Zirconium | 91-1 | 998.51 | 1002.92 | 991.27 | 997.57 | 0.59 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S8 | Instrumnet Name : | P8 |
| Client Sample ID : | S8 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:53:32 | DataFile Name : | 012CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 99408.97 | 99334.59 | 101014.84 | 99919.47 | 0.95 | ppb |
| Antimony | 121-1 | 0.59 | 0.56 | 0.55 | 0.56 | 3.16 | ppb |
| Arsenic | 75-2 | 0.36 | 0.41 | 0.43 | 0.40 | 9.16 | ppb |
| Barium | 135-1 | 2.35 | 2.35 | 2.30 | 2.33 | 1.35 | ppb |
| Barium | 137-1 | 2.45 | 2.30 | 2.39 | 2.38 | 3.25 | ppb |
| Beryllium | 9-1 | 0.25 | 0.21 | 0.18 | 0.21 | 16.72 | ppb |
| Bismuth | 209-1 | | | | 87 | | % |
| Bismuth | 209-2 | | | | 82 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 0.69 | 0.45 | 0.44 | 0.53 | 26.75 | ppb |
| Cadmium | 106-1 | -0.88 | -0.38 | -0.98 | -0.75 | | ppb |
| Cadmium | 111-1 | 0.07 | 0.12 | 0.08 | 0.09 | 28.88 | ppb |
| Calcium | 43-1 | 503180.43 | 495272.28 | 503015.72 | 500489.48 | 0.90 | ppb |
| Calcium | 44-1 | 502394.91 | 502455.43 | 495370.49 | 500073.61 | 0.81 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1.27 | 1.30 | 1.25 | 1.27 | 1.98 | ppb |
| Cobalt | 59-2 | 1.18 | 1.20 | 1.18 | 1.19 | 1.17 | ppb |
| Copper | 63-2 | 1.27 | 1.25 | 1.24 | 1.25 | 1.32 | 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 | | | | 96 | | % |
| Holmium | 165-2 | | | | 92 | | % |
| Indium | 115-1 | | | | 86 | | % |
| Indium | 115-2 | | | | 83 | | % |
| Iron | 54-2 | 251778.01 | 247765.16 | 249362.82 | 249635.33 | 0.81 | ppb |
| Iron | 56-2 | 248922.94 | 251994.26 | 249182.59 | 250033.26 | 0.68 | ppb |
| Iron | 57-2 | 248736.09 | 249651.43 | 251289.58 | 249892.37 | 0.52 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 3.84 | 3.85 | 3.82 | 3.83 | 0.42 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S8 | Instrumnet Name : | P8 |
| Client Sample ID : | S8 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:53:32 | DataFile Name : | 012CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 3.93 | 3.85 | 3.86 | 3.88 | 1.05 | ppb |
| Lead | 208-1 | 3.85 | 3.84 | 3.86 | 3.85 | 0.19 | ppb |
| Lithium | 6-1 | | | | 82 | | % |
| Magnesium | 24-2 | 500135.17 | 494411.51 | 503902.42 | 499483.03 | 0.96 | ppb |
| Manganese | 55-2 | 3.94 | 3.62 | 3.70 | 3.76 | 4.43 | ppb |
| Molybdenum | 94-1 | 2.81 | 2.55 | 2.55 | 2.64 | 5.71 | ppb |
| Molybdenum | 95-1 | 1.48 | 1.31 | 1.19 | 1.33 | 11.15 | ppb |
| Molybdenum | 96-1 | 2.31 | 2.09 | 2.05 | 2.15 | 6.61 | ppb |
| Molybdenum | 97-1 | 1.41 | 1.26 | 1.20 | 1.29 | 8.40 | ppb |
| Molybdenum | 98-1 | 1.41 | 1.20 | 1.16 | 1.26 | 10.33 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 2.49 | 2.40 | 2.52 | 2.47 | 2.58 | ppb |
| Phosphorus | 31-2 | -122.95 | -139.89 | -126.94 | -129.93 | | ppb |
| Potassium | 39-2 | 250035.78 | 249432.86 | 250296.95 | 249921.87 | 0.18 | ppb |
| Rhodium | 103-1 | | | | 80 | | % |
| Rhodium | 103-2 | | | | 78 | | % |
| Scandium | 45-1 | | | | 87 | | % |
| Scandium | 45-2 | | | | 85 | | % |
| Selenium | 82-1 | 1.32 | 0.80 | 0.63 | 0.92 | 39.29 | ppb |
| Selenium | 77-2 | -0.25 | -0.25 | -0.25 | -0.25 | | ppb |
| Selenium | 78-2 | 1.82 | -0.27 | 2.11 | 1.22 | 106.50 | ppb |
| Silicon | 28-1 | 1.73 | 1.09 | 1.05 | 1.29 | 29.52 | ppb |
| Silver | 107-1 | 0.11 | 0.10 | 0.10 | 0.10 | 6.41 | ppb |
| Silver | 109-1 | 0.11 | 0.11 | 0.08 | 0.10 | 13.34 | ppb |
| Sodium | 23-2 | 499261.62 | 499846.76 | 499821.47 | 499643.28 | 0.07 | ppb |
| Strontium | 86-1 | 3.42 | 3.35 | 3.25 | 3.34 | 2.58 | ppb |
| Strontium | 88-1 | 3.48 | 3.36 | 3.41 | 3.42 | 1.69 | ppb |
| Sulfur | 34-1 | -389.86 | -464.32 | -274.82 | -376.33 | | ppb |
| Terbium | 159-1 | | | | 93 | | % |
| Terbium | 159-2 | | | | 92 | | % |
| Thallium | 203-1 | 0.10 | 0.07 | 0.07 | 0.08 | 17.33 | ppb |
| Thallium | 205-1 | 0.09 | 0.08 | 0.08 | 0.08 | 8.98 | ppb |
| Tin | 118-1 | 0.14 | 0.07 | 0.07 | 0.10 | 42.39 | ppb |
| Titanium | 47-1 | 1.10 | 1.03 | 1.00 | 1.05 | 4.67 | ppb |
| Uranium | 238-1 | 0.06 | 0.05 | 0.04 | 0.05 | 14.42 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S8 | Instrumnet Name : | P8 |
| Client Sample ID : | S8 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:53:32 | DataFile Name : | 012CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 0.26 | 0.25 | 0.26 | 0.26 | 1.75 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 91 | | % |
| Yttrium | 89-2 | | | | 86 | | % |
| Zinc | 66-2 | 43.89 | 42.99 | 43.93 | 43.60 | 1.23 | ppb |
| Zirconium | 90-1 | 0.85 | 0.79 | 0.82 | 0.82 | 3.59 | ppb |
| Zirconium | 91-1 | 0.83 | 0.79 | 0.87 | 0.83 | 4.86 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICV01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:26:41 | DataFile Name : | 013ICV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 473.49 | 459.75 | 456.48 | 463.24 | 1.95 | ppb |
| Antimony | 121-1 | 194.29 | 193.33 | 199.51 | 195.71 | 1.70 | ppb |
| Arsenic | 75-2 | 191.49 | 192.49 | 193.47 | 192.48 | 0.52 | ppb |
| Barium | 135-1 | 95.90 | 98.25 | 97.28 | 97.14 | 1.22 | ppb |
| Barium | 137-1 | 97.56 | 97.11 | 99.14 | 97.94 | 1.09 | ppb |
| Beryllium | 9-1 | 104.75 | 106.31 | 108.37 | 106.48 | 1.70 | ppb |
| Bismuth | 209-1 | | | | 100 | | % |
| Bismuth | 209-2 | | | | 101 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 82.64 | 83.84 | 85.56 | 84.01 | 1.75 | ppb |
| Cadmium | 106-1 | 77.56 | 76.79 | 79.49 | 77.95 | 1.79 | ppb |
| Cadmium | 111-1 | 98.20 | 97.50 | 98.41 | 98.04 | 0.49 | ppb |
| Calcium | 43-1 | 1816.95 | 1872.57 | 1914.01 | 1867.85 | 2.61 | ppb |
| Calcium | 44-1 | 1811.95 | 1873.24 | 1927.11 | 1870.77 | 3.08 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 96.30 | 95.06 | 96.46 | 95.94 | 0.80 | ppb |
| Cobalt | 59-2 | 99.74 | 98.74 | 100.10 | 99.52 | 0.70 | ppb |
| Copper | 63-2 | 101.24 | 100.25 | 101.52 | 101.00 | 0.66 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 100 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 54-2 | 2008.13 | 1971.71 | 2012.37 | 1997.41 | 1.12 | ppb |
| Iron | 56-2 | 1929.45 | 1922.83 | 1978.91 | 1943.73 | 1.58 | ppb |
| Iron | 57-2 | 1901.95 | 1883.66 | 1880.69 | 1888.76 | 0.61 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 202.98 | 205.65 | 201.74 | 203.45 | 0.98 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICV01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:26:41 | DataFile Name : | 013ICV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 186.84 | 190.28 | 190.98 | 189.37 | 1.17 | ppb |
| Lead | 208-1 | 199.25 | 201.80 | 198.46 | 199.84 | 0.87 | ppb |
| Lithium | 6-1 | | | | 97 | | % |
| Magnesium | 24-2 | 1141.32 | 1124.97 | 1153.15 | 1139.81 | 1.24 | ppb |
| Manganese | 55-2 | 99.76 | 97.51 | 98.48 | 98.58 | 1.15 | ppb |
| Molybdenum | 94-1 | 0.09 | 0.10 | 0.09 | 0.09 | 5.31 | ppb |
| Molybdenum | 95-1 | 0.02 | 0.03 | 0.02 | 0.03 | 22.95 | ppb |
| Molybdenum | 96-1 | 0.05 | 0.05 | 0.05 | 0.05 | 3.53 | ppb |
| Molybdenum | 97-1 | 0.04 | 0.03 | 0.03 | 0.04 | 12.21 | ppb |
| Molybdenum | 98-1 | 0.03 | 0.03 | 0.04 | 0.03 | 17.24 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 111.18 | 109.15 | 110.59 | 110.30 | 0.95 | ppb |
| Phosphorus | 31-2 | -134.52 | -133.69 | -141.86 | -136.69 | | ppb |
| Potassium | 39-2 | 1901.47 | 1872.96 | 1899.75 | 1891.39 | 0.85 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 96 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | 200.18 | 210.44 | 202.54 | 204.39 | 2.63 | ppb |
| Selenium | 77-2 | 178.56 | 200.02 | 221.05 | 199.88 | 10.63 | ppb |
| Selenium | 78-2 | 212.12 | 205.66 | 204.46 | 207.41 | 1.99 | ppb |
| Silicon | 28-1 | -0.17 | -0.21 | -0.08 | -0.16 | | ppb |
| Silver | 107-1 | 45.99 | 47.06 | 46.77 | 46.61 | 1.19 | ppb |
| Silver | 109-1 | 46.84 | 47.19 | 47.17 | 47.07 | 0.41 | ppb |
| Sodium | 23-2 | 1969.18 | 1941.24 | 1961.36 | 1957.26 | 0.74 | ppb |
| Strontium | 86-1 | 0.21 | 0.27 | 0.22 | 0.23 | 13.31 | ppb |
| Strontium | 88-1 | 0.23 | 0.24 | 0.22 | 0.23 | 2.46 | ppb |
| Sulfur | 34-1 | 348.29 | 225.17 | 496.95 | 356.80 | 38.14 | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 208.60 | 208.79 | 206.05 | 207.81 | 0.74 | ppb |
| Thallium | 205-1 | 206.84 | 200.54 | 201.78 | 203.05 | 1.64 | ppb |
| Tin | 118-1 | -0.05 | -0.06 | -0.05 | -0.05 | | ppb |
| Titanium | 47-1 | 0.04 | 0.03 | 0.04 | 0.04 | 19.62 | ppb |
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICV01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:26:41 | DataFile Name : | 013ICV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 95.83 | 94.69 | 95.55 | 95.36 | 0.62 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 98 | | % |
| Zinc | 66-2 | 200.13 | 198.95 | 202.43 | 200.50 | 0.88 | ppb |
| Zirconium | 90-1 | 0.02 | 0.03 | 0.03 | 0.03 | 5.88 | ppb |
| Zirconium | 91-1 | 0.08 | 0.11 | 0.12 | 0.10 | 16.63 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | LLICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | LLICV01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:33:55 | DataFile Name : | 015LLIC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 22.72 | 23.38 | 24.19 | 23.43 | 3.15 | ppb |
| Antimony | 121-1 | 2.08 | 2.03 | 2.12 | 2.08 | 1.95 | ppb |
| Arsenic | 75-2 | 0.92 | 1.22 | 1.01 | 1.05 | 14.67 | ppb |
| Barium | 135-1 | 10.37 | 10.17 | 10.20 | 10.25 | 1.08 | ppb |
| Barium | 137-1 | 10.38 | 10.28 | 10.57 | 10.41 | 1.41 | ppb |
| Beryllium | 9-1 | 1.17 | 1.23 | 1.17 | 1.19 | 3.01 | ppb |
| Bismuth | 209-1 | | | | 97 | | % |
| Bismuth | 209-2 | | | | 98 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 1.17 | 0.87 | 0.97 | 1.00 | 15.05 | ppb |
| Cadmium | 106-1 | -0.65 | -1.05 | 0.03 | -0.55 | | ppb |
| Cadmium | 111-1 | 0.90 | 0.83 | 0.95 | 0.89 | 6.33 | ppb |
| Calcium | 43-1 | 523.31 | 537.55 | 528.88 | 529.91 | 1.35 | ppb |
| Calcium | 44-1 | 521.76 | 533.72 | 526.82 | 527.43 | 1.14 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1.99 | 2.09 | 1.94 | 2.01 | 3.71 | ppb |
| Cobalt | 59-2 | 1.13 | 1.11 | 1.10 | 1.12 | 1.31 | ppb |
| Copper | 63-2 | 2.11 | 1.93 | 2.07 | 2.04 | 4.59 | 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 | | | | 97 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 54-2 | 55.91 | 56.47 | 55.55 | 55.98 | 0.83 | ppb |
| Iron | 56-2 | 53.05 | 52.42 | 53.41 | 52.96 | 0.95 | ppb |
| Iron | 57-2 | 54.22 | 51.36 | 53.76 | 53.11 | 2.89 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 0.87 | 0.87 | 0.89 | 0.87 | 1.47 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | LLICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | LLICV01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:33:55 | DataFile Name : | 015LLIC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 0.90 | 0.86 | 0.91 | 0.89 | 3.07 | ppb |
| Lead | 208-1 | 0.87 | 0.87 | 0.89 | 0.88 | 1.43 | ppb |
| Lithium | 6-1 | | | | 95 | | % |
| Magnesium | 24-2 | 552.64 | 539.52 | 555.59 | 549.25 | 1.56 | ppb |
| Manganese | 55-2 | 1.15 | 1.11 | 1.00 | 1.09 | 7.29 | ppb |
| Molybdenum | 94-1 | 6.19 | 6.11 | 6.14 | 6.15 | 0.59 | ppb |
| Molybdenum | 95-1 | 5.08 | 5.09 | 5.10 | 5.09 | 0.22 | ppb |
| Molybdenum | 96-1 | 5.15 | 5.23 | 4.99 | 5.12 | 2.36 | ppb |
| Molybdenum | 97-1 | 5.14 | 5.16 | 5.21 | 5.17 | 0.70 | ppb |
| Molybdenum | 98-1 | 5.03 | 5.18 | 4.98 | 5.06 | 2.03 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.95 | 0.92 | 0.95 | 0.94 | 1.70 | ppb |
| Phosphorus | 31-2 | 138.55 | 139.03 | 148.62 | 142.07 | 4.00 | ppb |
| Potassium | 39-2 | 524.76 | 521.56 | 538.18 | 528.17 | 1.67 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 94 | | % |
| Scandium | 45-2 | | | | 97 | | % |
| Selenium | 82-1 | 5.46 | 5.78 | 5.39 | 5.54 | 3.75 | ppb |
| Selenium | 77-2 | 4.50 | 3.73 | 5.28 | 4.50 | 17.12 | ppb |
| Selenium | 78-2 | 5.64 | 3.12 | 5.86 | 4.87 | 31.29 | ppb |
| Silicon | 28-1 | 0.19 | 0.23 | 0.25 | 0.23 | 13.97 | ppb |
| Silver | 107-1 | 1.11 | 1.11 | 1.13 | 1.12 | 1.20 | ppb |
| Silver | 109-1 | 1.14 | 1.14 | 1.15 | 1.14 | 0.61 | ppb |
| Sodium | 23-2 | 535.52 | 536.42 | 550.32 | 540.75 | 1.53 | ppb |
| Strontium | 86-1 | 1.03 | 1.02 | 1.03 | 1.03 | 0.49 | ppb |
| Strontium | 88-1 | 1.03 | 1.03 | 1.02 | 1.03 | 0.79 | ppb |
| Sulfur | 34-1 | 1024.69 | 972.76 | 930.73 | 976.06 | 4.82 | ppb |
| Terbium | 159-1 | | | | 98 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | 0.96 | 0.99 | 1.02 | 0.99 | 2.87 | ppb |
| Thallium | 205-1 | 1.00 | 1.01 | 1.03 | 1.01 | 1.48 | ppb |
| Tin | 118-1 | 5.22 | 5.11 | 5.19 | 5.18 | 1.10 | ppb |
| Titanium | 47-1 | 5.22 | 5.67 | 5.53 | 5.47 | 4.17 | ppb |
| Uranium | 238-1 | 0.94 | 0.98 | 0.96 | 0.96 | 2.03 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | LLICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | LLICV01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:33:55 | DataFile Name : | 015LLIC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 5.22 | 5.04 | 5.31 | 5.19 | 2.60 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 97 | | % |
| Yttrium | 89-2 | | | | 96 | | % |
| Zinc | 66-2 | 5.56 | 5.53 | 5.24 | 5.44 | 3.19 | ppb |
| Zirconium | 90-1 | 1.10 | 1.11 | 1.06 | 1.09 | 2.50 | ppb |
| Zirconium | 91-1 | 1.17 | 1.07 | 1.09 | 1.11 | 4.38 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICB01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:40:46 | DataFile Name : | 017CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | -0.32 | -0.95 | -0.54 | -0.60 | | ppb |
| Antimony | 121-1 | 0.01 | 0.01 | 0.01 | 0.01 | 11.44 | ppb |
| Arsenic | 75-2 | -0.02 | 0.04 | -0.01 | 0.00 | 2916.33 | ppb |
| Barium | 135-1 | -0.03 | -0.02 | -0.02 | -0.03 | | ppb |
| Barium | 137-1 | -0.01 | -0.02 | -0.02 | -0.02 | | ppb |
| Beryllium | 9-1 | 0.01 | 0.00 | 0.00 | 0.00 | 185.73 | ppb |
| Bismuth | 209-1 | | | | 97 | | % |
| Bismuth | 209-2 | | | | 98 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 0.00 | 0.02 | -0.02 | 0.00 | 1491.66 | ppb |
| Cadmium | 106-1 | -1.93 | -1.08 | -1.47 | -1.49 | | ppb |
| Cadmium | 111-1 | -0.15 | -0.08 | -0.11 | -0.12 | | ppb |
| Calcium | 43-1 | -12.92 | -11.95 | -13.66 | -12.84 | | ppb |
| Calcium | 44-1 | -12.69 | -13.64 | -14.24 | -13.52 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.06 | -0.06 | -0.09 | -0.07 | | ppb |
| Cobalt | 59-2 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Copper | 63-2 | -0.22 | -0.19 | -0.16 | -0.19 | | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 97 | | % |
| Holmium | 165-2 | | | | 97 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 54-2 | -1.89 | -1.25 | -2.39 | -1.84 | | ppb |
| Iron | 56-2 | -1.72 | -1.86 | -1.89 | -1.82 | | ppb |
| Iron | 57-2 | -1.62 | -2.28 | -2.67 | -2.19 | | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 0.01 | 0.00 | 0.00 | 0.00 | 55.55 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICB01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:40:46 | DataFile Name : | 017CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 0.01 | 0.02 | 0.02 | 0.02 | 34.31 | ppb |
| Lead | 208-1 | 0.01 | 0.01 | 0.01 | 0.01 | 6.44 | ppb |
| Lithium | 6-1 | | | | 95 | | % |
| Magnesium | 24-2 | -0.57 | -0.95 | -0.64 | -0.72 | | ppb |
| Manganese | 55-2 | -0.14 | -0.12 | -0.16 | -0.14 | | ppb |
| Molybdenum | 94-1 | 0.01 | 0.00 | 0.00 | 0.01 | 92.86 | ppb |
| Molybdenum | 95-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Molybdenum | 96-1 | 0.00 | 0.00 | 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 | | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.05 | -0.08 | -0.04 | -0.06 | | ppb |
| Phosphorus | 31-2 | -136.37 | -134.91 | -149.06 | -140.11 | | ppb |
| Potassium | 39-2 | 3.68 | 4.89 | 5.42 | 4.67 | 19.13 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 96 | | % |
| Scandium | 45-2 | | | | 96 | | % |
| Selenium | 82-1 | -0.28 | -0.56 | -0.08 | -0.31 | | ppb |
| Selenium | 77-2 | -0.25 | -0.25 | -0.25 | -0.25 | | ppb |
| Selenium | 78-2 | -1.10 | -0.86 | -0.86 | -0.94 | | ppb |
| Silicon | 28-1 | -0.45 | -0.55 | -0.29 | -0.43 | | ppb |
| Silver | 107-1 | 0.00 | 0.00 | 0.00 | 0.00 | 18.81 | ppb |
| Silver | 109-1 | 0.00 | 0.00 | 0.00 | 0.00 | 31.71 | ppb |
| Sodium | 23-2 | 10.38 | 11.37 | 13.01 | 11.59 | 11.48 | ppb |
| Strontium | 86-1 | -0.01 | -0.01 | -0.02 | -0.01 | | ppb |
| Strontium | 88-1 | -0.01 | -0.01 | -0.01 | -0.01 | | ppb |
| Sulfur | 34-1 | 575.92 | 410.36 | 485.18 | 490.49 | 16.90 | ppb |
| Terbium | 159-1 | | | | 98 | | % |
| Terbium | 159-2 | | | | 97 | | % |
| Thallium | 203-1 | 0.00 | 0.00 | 0.01 | 0.00 | 86.90 | ppb |
| Thallium | 205-1 | 0.00 | 0.00 | 0.00 | 0.00 | 42.89 | ppb |
| Tin | 118-1 | -0.09 | -0.08 | -0.08 | -0.09 | | ppb |
| Titanium | 47-1 | 0.00 | 0.02 | -0.01 | 0.00 | 475.59 | ppb |
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICB01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:40:46 | DataFile Name : | 017CCBE.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 | | | | 98 | | % |
| Yttrium | 89-2 | | | | 95 | | % |
| Zinc | 66-2 | -0.76 | -0.46 | -0.66 | -0.63 | | ppb |
| Zirconium | 90-1 | 0.00 | 0.00 | 0.00 | 0.00 | 26.91 | ppb |
| Zirconium | 91-1 | 0.00 | 0.01 | 0.00 | 0.01 | 115.13 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICSA01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSA01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:44:09 | DataFile Name : | 018ICSA.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 92381.90 | 91976.46 | 91279.50 | 91879.29 | 0.61 | ppb |
| Antimony | 121-1 | 1.08 | 1.06 | 1.11 | 1.08 | 2.25 | ppb |
| Arsenic | 75-2 | 0.29 | 0.21 | 0.23 | 0.24 | 15.27 | ppb |
| Barium | 135-1 | 1.36 | 1.36 | 1.39 | 1.37 | 1.21 | ppb |
| Barium | 137-1 | 1.40 | 1.35 | 1.44 | 1.40 | 3.16 | ppb |
| Beryllium | 9-1 | 0.31 | 0.29 | 0.31 | 0.30 | 3.84 | ppb |
| Bismuth | 209-1 | | | | 91 | | % |
| Bismuth | 209-2 | | | | 89 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 13.39 | 12.81 | 13.37 | 13.19 | 2.49 | ppb |
| Cadmium | 106-1 | -1.23 | -1.91 | -1.76 | -1.63 | | ppb |
| Cadmium | 111-1 | 0.41 | 0.24 | 0.38 | 0.34 | 26.13 | ppb |
| Calcium | 43-1 | 98040.00 | 97409.46 | 96567.83 | 97339.10 | 0.76 | ppb |
| Calcium | 44-1 | 97953.75 | 99736.47 | 100760.90 | 99483.71 | 1.43 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 19.48 | 19.88 | 19.25 | 19.54 | 1.63 | ppb |
| Cobalt | 59-2 | 1.18 | 1.22 | 1.18 | 1.19 | 1.92 | ppb |
| Copper | 63-2 | 7.33 | 7.55 | 7.68 | 7.52 | 2.34 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 96 | | % |
| Holmium | 165-2 | | | | 93 | | % |
| Indium | 115-1 | | | | 91 | | % |
| Indium | 115-2 | | | | 88 | | % |
| Iron | 54-2 | 99872.93 | 99535.51 | 101191.15 | 100199.86 | 0.87 | ppb |
| Iron | 56-2 | 100588.25 | 101672.36 | 100742.60 | 101001.07 | 0.58 | ppb |
| Iron | 57-2 | 97861.66 | 100253.23 | 99396.72 | 99170.54 | 1.22 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 4.59 | 4.48 | 4.59 | 4.55 | 1.32 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICSA01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSA01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:44:09 | DataFile Name : | 018ICSA.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 4.10 | 4.10 | 4.29 | 4.16 | 2.67 | ppb |
| Lead | 208-1 | 4.23 | 4.25 | 4.37 | 4.28 | 1.72 | ppb |
| Lithium | 6-1 | | | | 89 | | % |
| Magnesium | 24-2 | 96115.86 | 94654.55 | 92582.16 | 94450.86 | 1.88 | ppb |
| Manganese | 55-2 | 8.96 | 8.69 | 8.94 | 8.86 | 1.72 | ppb |
| Molybdenum | 94-1 | 1617.43 | 1548.90 | 1590.34 | 1585.55 | 2.18 | ppb |
| Molybdenum | 95-1 | 2014.77 | 1943.14 | 2010.64 | 1989.52 | 2.02 | ppb |
| Molybdenum | 96-1 | 1946.59 | 1916.36 | 1892.82 | 1918.59 | 1.41 | ppb |
| Molybdenum | 97-1 | 1984.19 | 1947.32 | 2001.61 | 1977.71 | 1.40 | ppb |
| Molybdenum | 98-1 | 1962.28 | 1946.61 | 2003.76 | 1970.88 | 1.50 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 5.61 | 5.60 | 5.69 | 5.63 | 0.81 | ppb |
| Phosphorus | 31-2 | 103885.13 | 103032.92 | 102195.67 | 103037.90 | 0.82 | ppb |
| Potassium | 39-2 | 98939.80 | 98090.02 | 99681.00 | 98903.60 | 0.80 | ppb |
| Rhodium | 103-1 | | | | 88 | | % |
| Rhodium | 103-2 | | | | 85 | | % |
| Scandium | 45-1 | | | | 90 | | % |
| Scandium | 45-2 | | | | 90 | | % |
| Selenium | 82-1 | 0.00 | -0.29 | -0.21 | -0.17 | | ppb |
| Selenium | 77-2 | -0.25 | -0.25 | 0.59 | 0.03 | 1710.72 | ppb |
| Selenium | 78-2 | -0.58 | -1.32 | -0.58 | -0.83 | | ppb |
| Silicon | 28-1 | 2.74 | 2.81 | 2.89 | 2.81 | 2.65 | ppb |
| Silver | 107-1 | 0.05 | 0.05 | 0.05 | 0.05 | 3.50 | ppb |
| Silver | 109-1 | 0.07 | 0.05 | 0.05 | 0.06 | 19.92 | ppb |
| Sodium | 23-2 | 100081.22 | 100031.51 | 100498.20 | 100203.64 | 0.26 | ppb |
| Strontium | 86-1 | 33.29 | 32.58 | 33.18 | 33.02 | 1.15 | ppb |
| Strontium | 88-1 | 33.54 | 32.78 | 33.64 | 33.32 | 1.40 | ppb |
| Sulfur | 34-1 | 99401.32 | 98999.17 | 99896.74 | 99432.41 | 0.45 | ppb |
| Terbium | 159-1 | | | | 95 | | % |
| Terbium | 159-2 | | | | 95 | | % |
| Thallium | 203-1 | 0.09 | 0.13 | 0.16 | 0.12 | 26.22 | ppb |
| Thallium | 205-1 | 0.09 | 0.13 | 0.15 | 0.12 | 27.65 | ppb |
| Tin | 118-1 | 0.12 | 0.11 | 0.09 | 0.11 | 11.94 | ppb |
| Titanium | 47-1 | 1990.28 | 2063.15 | 2076.13 | 2043.18 | 2.26 | ppb |
| Uranium | 238-1 | 0.01 | 0.01 | 0.01 | 0.01 | 11.53 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICSA01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSA01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:44:09 | DataFile Name : | 018ICSA.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 0.19 | 0.13 | 0.17 | 0.16 | 20.23 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 94 | | % |
| Yttrium | 89-2 | | | | 90 | | % |
| Zinc | 66-2 | 9.85 | 10.04 | 10.60 | 10.16 | 3.85 | ppb |
| Zirconium | 90-1 | 0.02 | 0.02 | 0.02 | 0.02 | 8.45 | ppb |
| Zirconium | 91-1 | 0.03 | 0.03 | 0.03 | 0.03 | 4.51 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSAB01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:47:20 | DataFile Name : | 019ICSB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 93471.61 | 81399.51 | 87265.82 | 87378.98 | 6.91 | ppb |
| Antimony | 121-1 | 20.50 | 20.57 | 20.20 | 20.42 | 0.97 | ppb |
| Arsenic | 75-2 | 20.53 | 16.85 | 19.60 | 18.99 | 10.08 | ppb |
| Barium | 135-1 | 21.21 | 20.78 | 20.87 | 20.95 | 1.07 | ppb |
| Barium | 137-1 | 21.79 | 21.56 | 21.38 | 21.58 | 0.94 | ppb |
| Beryllium | 9-1 | 21.64 | 21.93 | 21.76 | 21.78 | 0.66 | ppb |
| Bismuth | 209-1 | | | | 91 | | % |
| Bismuth | 209-2 | | | | 92 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 28.92 | 27.33 | 28.10 | 28.12 | 2.84 | ppb |
| Cadmium | 106-1 | 13.49 | 12.56 | 11.97 | 12.67 | 6.05 | ppb |
| Cadmium | 111-1 | 19.68 | 19.28 | 19.22 | 19.39 | 1.28 | ppb |
| Calcium | 43-1 | 98307.03 | 97927.99 | 96560.32 | 97598.45 | 0.94 | ppb |
| Calcium | 44-1 | 99934.86 | 97744.67 | 93104.01 | 96927.84 | 3.60 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 39.18 | 34.40 | 37.36 | 36.98 | 6.52 | ppb |
| Cobalt | 59-2 | 21.62 | 18.65 | 20.03 | 20.10 | 7.40 | ppb |
| Copper | 63-2 | 27.53 | 24.26 | 26.53 | 26.11 | 6.42 | 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 | | | | 96 | | % |
| Holmium | 165-2 | | | | 97 | | % |
| Indium | 115-1 | | | | 92 | | % |
| Indium | 115-2 | | | | 92 | | % |
| Iron | 54-2 | 101720.71 | 89768.93 | 97323.63 | 96271.09 | 6.28 | ppb |
| Iron | 56-2 | 100271.90 | 88437.44 | 97036.01 | 95248.45 | 6.42 | ppb |
| Iron | 57-2 | 99193.09 | 89302.73 | 95414.52 | 94636.78 | 5.27 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 24.86 | 25.14 | 24.84 | 24.95 | 0.67 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSAB01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:47:20 | DataFile Name : | 019ICSB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 24.16 | 24.54 | 24.63 | 24.44 | 1.02 | ppb |
| Lead | 208-1 | 24.20 | 24.65 | 24.39 | 24.41 | 0.93 | ppb |
| Lithium | 6-1 | | | | 88 | | % |
| Magnesium | 24-2 | 93994.56 | 83842.44 | 91515.77 | 89784.26 | 5.90 | ppb |
| Manganese | 55-2 | 27.71 | 24.86 | 26.10 | 26.22 | 5.47 | ppb |
| Molybdenum | 94-1 | 1544.79 | 1576.70 | 1578.71 | 1566.73 | 1.21 | ppb |
| Molybdenum | 95-1 | 1903.37 | 1931.81 | 1963.86 | 1933.01 | 1.57 | ppb |
| Molybdenum | 96-1 | 1863.03 | 1825.46 | 1912.87 | 1867.12 | 2.35 | ppb |
| Molybdenum | 97-1 | 1926.45 | 1914.58 | 1972.68 | 1937.90 | 1.58 | ppb |
| Molybdenum | 98-1 | 1937.87 | 1948.82 | 2015.22 | 1967.31 | 2.13 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 25.82 | 23.03 | 24.63 | 24.49 | 5.73 | ppb |
| Phosphorus | 31-2 | 104767.66 | 91325.63 | 100110.48 | 98734.59 | 6.91 | ppb |
| Potassium | 39-2 | 98241.75 | 89125.42 | 95587.81 | 94318.32 | 4.97 | ppb |
| Rhodium | 103-1 | | | | 88 | | % |
| Rhodium | 103-2 | | | | 88 | | % |
| Scandium | 45-1 | | | | 91 | | % |
| Scandium | 45-2 | | | | 94 | | % |
| Selenium | 82-1 | 20.18 | 19.52 | 20.55 | 20.08 | 2.60 | ppb |
| Selenium | 77-2 | 9.13 | 21.82 | 21.11 | 17.35 | 41.09 | ppb |
| Selenium | 78-2 | 22.25 | 13.79 | 18.72 | 18.25 | 23.29 | ppb |
| Silicon | 28-1 | 2.89 | 2.59 | 2.65 | 2.71 | 5.74 | ppb |
| Silver | 107-1 | 18.49 | 18.19 | 18.17 | 18.29 | 0.98 | ppb |
| Silver | 109-1 | 18.81 | 18.50 | 18.49 | 18.60 | 0.97 | ppb |
| Sodium | 23-2 | 98712.08 | 89591.34 | 94400.59 | 94234.67 | 4.84 | ppb |
| Strontium | 86-1 | 32.56 | 32.72 | 33.53 | 32.94 | 1.59 | ppb |
| Strontium | 88-1 | 32.63 | 32.78 | 33.35 | 32.92 | 1.15 | ppb |
| Sulfur | 34-1 | 100032.65 | 97682.44 | 96971.06 | 98228.72 | 1.63 | ppb |
| Terbium | 159-1 | | | | 95 | | % |
| Terbium | 159-2 | | | | 98 | | % |
| Thallium | 203-1 | 19.23 | 19.67 | 19.80 | 19.56 | 1.51 | ppb |
| Thallium | 205-1 | 19.41 | 19.92 | 19.59 | 19.64 | 1.32 | ppb |
| Tin | 118-1 | 0.08 | 0.09 | 0.07 | 0.08 | 14.85 | ppb |
| Titanium | 47-1 | 2037.00 | 1990.19 | 1953.36 | 1993.52 | 2.10 | ppb |
| Uranium | 238-1 | 0.02 | 0.02 | 0.03 | 0.02 | 7.28 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSAB01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:47:20 | DataFile Name : | 019ICSB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 20.30 | 17.47 | 19.17 | 18.98 | 7.51 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 95 | | % |
| Yttrium | 89-2 | | | | 95 | | % |
| Zinc | 66-2 | 29.92 | 26.13 | 28.68 | 28.24 | 6.84 | ppb |
| Zirconium | 90-1 | 0.02 | 0.02 | 0.02 | 0.02 | 15.76 | ppb |
| Zirconium | 91-1 | 0.03 | 0.05 | 0.03 | 0.04 | 21.07 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCV01 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:50:37 | DataFile Name : | 020CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 50756.78 | 50496.30 | 50965.24 | 50739.44 | 0.46 | ppb |
| Antimony | 121-1 | 507.99 | 504.76 | 487.93 | 500.23 | 2.15 | ppb |
| Arsenic | 75-2 | 499.86 | 508.49 | 507.23 | 505.19 | 0.92 | ppb |
| Barium | 135-1 | 2585.92 | 2597.53 | 2429.47 | 2537.64 | 3.70 | ppb |
| Barium | 137-1 | 2540.47 | 2494.68 | 2540.00 | 2525.05 | 1.04 | ppb |
| Beryllium | 9-1 | 508.20 | 519.57 | 531.04 | 519.60 | 2.20 | ppb |
| Bismuth | 209-1 | | | | 88 | | % |
| Bismuth | 209-2 | | | | 85 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 500.48 | 495.94 | 493.76 | 496.72 | 0.69 | ppb |
| Cadmium | 106-1 | 495.98 | 493.25 | 491.06 | 493.43 | 0.50 | ppb |
| Cadmium | 111-1 | 491.48 | 472.96 | 483.62 | 482.69 | 1.93 | ppb |
| Calcium | 43-1 | 235948.93 | 238345.56 | 234419.56 | 236238.02 | 0.84 | ppb |
| Calcium | 44-1 | 233898.52 | 239226.89 | 237571.20 | 236898.87 | 1.15 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 496.17 | 486.75 | 493.21 | 492.04 | 0.98 | ppb |
| Cobalt | 59-2 | 508.15 | 492.05 | 503.61 | 501.27 | 1.66 | ppb |
| Copper | 63-2 | 5114.11 | 5072.42 | 5045.37 | 5077.30 | 0.68 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 96 | | % |
| Holmium | 165-2 | | | | 93 | | % |
| Indium | 115-1 | | | | 88 | | % |
| Indium | 115-2 | | | | 83 | | % |
| Iron | 54-2 | 128827.97 | 126199.63 | 131285.21 | 128770.94 | 1.98 | ppb |
| Iron | 56-2 | 129658.90 | 131976.97 | 129558.67 | 130398.18 | 1.05 | ppb |
| Iron | 57-2 | 128466.23 | 127804.04 | 129432.25 | 128567.50 | 0.64 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 2555.63 | 2671.86 | 2553.77 | 2593.75 | 2.61 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCV01 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:50:37 | DataFile Name : | 020CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 2619.87 | 2647.57 | 2602.83 | 2623.42 | 0.86 | ppb |
| Lead | 208-1 | 2552.18 | 2621.07 | 2586.20 | 2586.48 | 1.33 | ppb |
| Lithium | 6-1 | | | | 83 | | % |
| Magnesium | 24-2 | 248174.86 | 239095.00 | 241731.15 | 243000.34 | 1.92 | ppb |
| Manganese | 55-2 | 5113.42 | 5026.66 | 5063.59 | 5067.89 | 0.86 | ppb |
| Molybdenum | 94-1 | 4964.73 | 5155.00 | 5032.37 | 5050.70 | 1.91 | ppb |
| Molybdenum | 95-1 | 5057.23 | 5070.58 | 5064.75 | 5064.19 | 0.13 | ppb |
| Molybdenum | 96-1 | 5004.52 | 4953.11 | 4958.48 | 4972.04 | 0.57 | ppb |
| Molybdenum | 97-1 | 4998.80 | 5057.98 | 5069.58 | 5042.12 | 0.75 | ppb |
| Molybdenum | 98-1 | 5060.96 | 5118.42 | 5079.65 | 5086.34 | 0.58 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 496.01 | 484.46 | 496.33 | 492.27 | 1.37 | ppb |
| Phosphorus | 31-2 | 10251.84 | 9767.56 | 10172.48 | 10063.96 | 2.58 | ppb |
| Potassium | 39-2 | 131308.81 | 126567.44 | 128738.42 | 128871.56 | 1.84 | ppb |
| Rhodium | 103-1 | | | | 82 | | % |
| Rhodium | 103-2 | | | | 82 | | % |
| Scandium | 45-1 | | | | 88 | | % |
| Scandium | 45-2 | | | | 88 | | % |
| Selenium | 82-1 | 495.84 | 506.02 | 495.67 | 499.18 | 1.19 | ppb |
| Selenium | 77-2 | 506.93 | 551.22 | 496.68 | 518.28 | 5.59 | ppb |
| Selenium | 78-2 | 500.21 | 501.85 | 516.30 | 506.12 | 1.75 | ppb |
| Silicon | 28-1 | 488.84 | 504.10 | 503.90 | 498.95 | 1.75 | ppb |
| Silver | 107-1 | 485.90 | 483.90 | 472.73 | 480.84 | 1.48 | ppb |
| Silver | 109-1 | 491.85 | 486.05 | 479.81 | 485.90 | 1.24 | ppb |
| Sodium | 23-2 | 234149.37 | 228776.87 | 237603.20 | 233509.81 | 1.90 | ppb |
| Strontium | 86-1 | 505.86 | 515.86 | 508.47 | 510.06 | 1.02 | ppb |
| Strontium | 88-1 | 497.65 | 498.37 | 509.09 | 501.70 | 1.28 | ppb |
| Sulfur | 34-1 | 10295.19 | 10244.55 | 9947.63 | 10162.46 | 1.85 | ppb |
| Terbium | 159-1 | | | | 94 | | % |
| Terbium | 159-2 | | | | 92 | | % |
| Thallium | 203-1 | 525.09 | 536.63 | 524.76 | 528.83 | 1.28 | ppb |
| Thallium | 205-1 | 504.67 | 524.73 | 503.94 | 511.11 | 2.31 | ppb |
| Tin | 118-1 | 518.03 | 502.20 | 510.35 | 510.19 | 1.55 | ppb |
| Titanium | 47-1 | 4975.34 | 5092.53 | 4939.52 | 5002.47 | 1.60 | ppb |
| Uranium | 238-1 | 517.97 | 533.76 | 522.37 | 524.70 | 1.55 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCV01 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:50:37 | DataFile Name : | 020CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 510.57 | 503.63 | 510.51 | 508.24 | 0.78 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 92 | | % |
| Yttrium | 89-2 | | | | 88 | | % |
| Zinc | 66-2 | 5236.47 | 5268.01 | 5324.40 | 5276.29 | 0.84 | ppb |
| Zirconium | 90-1 | 487.32 | 525.15 | 500.98 | 504.48 | 3.80 | ppb |
| Zirconium | 91-1 | 509.64 | 515.03 | 515.89 | 513.52 | 0.66 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCB01 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:54:04 | DataFile Name : | 021CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 0.65 | 0.28 | -0.15 | 0.26 | 152.84 | ppb |
| Antimony | 121-1 | 0.13 | 0.11 | 0.11 | 0.12 | 10.27 | ppb |
| Arsenic | 75-2 | 0.02 | 0.01 | -0.01 | 0.01 | 302.17 | ppb |
| Barium | 135-1 | 0.01 | 0.00 | 0.01 | 0.01 | 49.03 | ppb |
| Barium | 137-1 | 0.03 | 0.02 | 0.00 | 0.02 | 79.33 | ppb |
| Beryllium | 9-1 | 0.08 | 0.07 | 0.07 | 0.07 | 9.19 | ppb |
| Bismuth | 209-1 | | | | 98 | | % |
| Bismuth | 209-2 | | | | 97 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 0.04 | 0.06 | 0.02 | 0.04 | 48.37 | ppb |
| Cadmium | 106-1 | -2.46 | -1.48 | -1.33 | -1.76 | | ppb |
| Cadmium | 111-1 | -0.18 | -0.10 | -0.10 | -0.12 | | ppb |
| Calcium | 43-1 | -7.06 | -11.04 | -10.17 | -9.42 | | ppb |
| Calcium | 44-1 | -8.87 | -9.88 | -10.89 | -9.88 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.07 | -0.05 | -0.09 | -0.07 | | ppb |
| Cobalt | 59-2 | 0.01 | 0.01 | 0.01 | 0.01 | 10.23 | ppb |
| Copper | 63-2 | -0.08 | -0.10 | -0.10 | -0.09 | | 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 | | | | 97 | | % |
| Holmium | 165-2 | | | | 96 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 93 | | % |
| Iron | 54-2 | 0.36 | 0.00 | 0.29 | 0.21 | 89.87 | ppb |
| Iron | 56-2 | 0.24 | 0.02 | -0.08 | 0.06 | 289.93 | ppb |
| Iron | 57-2 | -0.73 | -1.37 | -0.26 | -0.79 | | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 0.12 | 0.09 | 0.09 | 0.10 | 18.80 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCB01 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:54:04 | DataFile Name : | 021CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 0.13 | 0.11 | 0.10 | 0.11 | 15.51 | ppb |
| Lead | 208-1 | 0.12 | 0.10 | 0.09 | 0.11 | 14.20 | ppb |
| Lithium | 6-1 | | | | 91 | | % |
| Magnesium | 24-2 | 1.71 | 0.48 | 0.16 | 0.79 | 103.90 | ppb |
| Manganese | 55-2 | -0.10 | 0.02 | -0.06 | -0.05 | | ppb |
| Molybdenum | 94-1 | 0.20 | 0.16 | 0.13 | 0.16 | 20.28 | ppb |
| Molybdenum | 95-1 | 0.14 | 0.13 | 0.11 | 0.13 | 11.74 | ppb |
| Molybdenum | 96-1 | 0.15 | 0.13 | 0.12 | 0.14 | 12.72 | ppb |
| Molybdenum | 97-1 | 0.14 | 0.13 | 0.11 | 0.13 | 13.77 | ppb |
| Molybdenum | 98-1 | 0.15 | 0.12 | 0.10 | 0.12 | 21.12 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.06 | -0.07 | -0.06 | -0.06 | | ppb |
| Phosphorus | 31-2 | -140.42 | -147.00 | -134.98 | -140.80 | | ppb |
| Potassium | 39-2 | 19.44 | 20.17 | 17.53 | 19.05 | 7.16 | ppb |
| Rhodium | 103-1 | | | | 93 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 93 | | % |
| Scandium | 45-2 | | | | 92 | | % |
| Selenium | 82-1 | 0.08 | 0.08 | 0.07 | 0.08 | 10.51 | ppb |
| Selenium | 77-2 | -0.25 | -0.25 | 0.57 | 0.02 | 2293.97 | ppb |
| Selenium | 78-2 | -1.09 | -0.35 | 0.60 | -0.28 | | ppb |
| Silicon | 28-1 | -0.31 | -0.42 | 0.06 | -0.22 | | ppb |
| Silver | 107-1 | 0.04 | 0.04 | 0.03 | 0.03 | 11.81 | ppb |
| Silver | 109-1 | 0.04 | 0.04 | 0.03 | 0.04 | 12.26 | ppb |
| Sodium | 23-2 | 37.92 | 38.28 | 39.67 | 38.62 | 2.40 | ppb |
| Strontium | 86-1 | -0.01 | 0.00 | 0.01 | 0.00 | 490.77 | ppb |
| Strontium | 88-1 | 0.00 | 0.00 | 0.00 | 0.00 | 260.67 | ppb |
| Sulfur | 34-1 | 290.95 | 227.49 | 94.14 | 204.19 | 49.20 | ppb |
| Terbium | 159-1 | | | | 97 | | % |
| Terbium | 159-2 | | | | 97 | | % |
| Thallium | 203-1 | 0.05 | 0.04 | 0.05 | 0.05 | 13.65 | ppb |
| Thallium | 205-1 | 0.05 | 0.05 | 0.05 | 0.05 | 11.30 | ppb |
| Tin | 118-1 | -0.08 | -0.09 | -0.08 | -0.08 | | ppb |
| Titanium | 47-1 | 0.16 | 0.13 | 0.13 | 0.14 | 11.43 | ppb |
| Uranium | 238-1 | 0.01 | 0.00 | 0.00 | 0.00 | 36.76 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCB01 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:54:04 | 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 | | | | 97 | | % |
| Yttrium | 89-2 | | | | 93 | | % |
| Zinc | 66-2 | -0.41 | -0.53 | -0.52 | -0.49 | | ppb |
| Zirconium | 90-1 | 0.05 | 0.04 | 0.03 | 0.04 | 16.36 | ppb |
| Zirconium | 91-1 | 0.04 | 0.04 | 0.05 | 0.04 | 13.80 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CRI | Instrumnet Name : | P8 |
| Client Sample ID : | CRI | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 14:01:58 | DataFile Name : | 023LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 16.94 | 19.20 | 18.43 | 18.19 | 6.32 | ppb |
| Antimony | 121-1 | 1.77 | 1.79 | 1.82 | 1.79 | 1.20 | ppb |
| Arsenic | 75-2 | 1.10 | 0.84 | 0.79 | 0.91 | 18.31 | ppb |
| Barium | 135-1 | 8.65 | 8.95 | 9.03 | 8.88 | 2.27 | ppb |
| Barium | 137-1 | 8.85 | 8.99 | 9.12 | 8.99 | 1.53 | ppb |
| Beryllium | 9-1 | 1.06 | 1.02 | 1.05 | 1.04 | 2.14 | ppb |
| Bismuth | 209-1 | | | | 97 | | % |
| Bismuth | 209-2 | | | | 96 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 0.91 | 0.84 | 0.91 | 0.89 | 4.50 | ppb |
| Cadmium | 106-1 | -1.69 | -0.69 | -0.78 | -1.05 | | ppb |
| Cadmium | 111-1 | 0.69 | 0.73 | 0.70 | 0.70 | 2.88 | ppb |
| Calcium | 43-1 | 435.46 | 458.74 | 455.36 | 449.85 | 2.80 | ppb |
| Calcium | 44-1 | 434.81 | 441.80 | 448.89 | 441.84 | 1.59 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1.78 | 1.76 | 1.76 | 1.77 | 0.78 | ppb |
| Cobalt | 59-2 | 0.94 | 0.99 | 1.00 | 0.98 | 3.07 | ppb |
| Copper | 63-2 | 1.82 | 1.76 | 1.83 | 1.80 | 2.23 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 98 | | % |
| Holmium | 165-2 | | | | 96 | | % |
| Indium | 115-1 | | | | 96 | | % |
| Indium | 115-2 | | | | 93 | | % |
| Iron | 54-2 | 48.13 | 47.36 | 48.06 | 47.85 | 0.89 | ppb |
| Iron | 56-2 | 46.62 | 46.24 | 46.10 | 46.32 | 0.58 | ppb |
| Iron | 57-2 | 47.33 | 45.62 | 42.53 | 45.16 | 5.38 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 0.78 | 0.73 | 0.75 | 0.75 | 3.39 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CRI | Instrumnet Name : | P8 |
| Client Sample ID : | CRI | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 14:01:58 | DataFile Name : | 023LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 0.80 | 0.79 | 0.76 | 0.78 | 2.83 | ppb |
| Lead | 208-1 | 0.78 | 0.76 | 0.76 | 0.77 | 1.35 | ppb |
| Lithium | 6-1 | | | | 93 | | % |
| Magnesium | 24-2 | 490.83 | 482.68 | 478.48 | 483.99 | 1.30 | ppb |
| Manganese | 55-2 | 0.89 | 0.87 | 0.84 | 0.87 | 2.57 | ppb |
| Molybdenum | 94-1 | 5.51 | 5.36 | 5.47 | 5.45 | 1.41 | ppb |
| Molybdenum | 95-1 | 4.46 | 4.47 | 4.50 | 4.48 | 0.42 | ppb |
| Molybdenum | 96-1 | 4.53 | 4.52 | 4.49 | 4.51 | 0.52 | ppb |
| Molybdenum | 97-1 | 4.54 | 4.44 | 4.60 | 4.53 | 1.74 | ppb |
| Molybdenum | 98-1 | 4.50 | 4.44 | 4.44 | 4.46 | 0.87 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.86 | 0.86 | 0.80 | 0.84 | 3.74 | ppb |
| Phosphorus | 31-2 | 108.07 | 95.32 | 88.62 | 97.34 | 10.15 | ppb |
| Potassium | 39-2 | 474.30 | 466.92 | 467.59 | 469.60 | 0.87 | ppb |
| Rhodium | 103-1 | | | | 93 | | % |
| Rhodium | 103-2 | | | | 93 | | % |
| Scandium | 45-1 | | | | 93 | | % |
| Scandium | 45-2 | | | | 92 | | % |
| Selenium | 82-1 | 4.36 | 4.63 | 4.73 | 4.57 | 4.22 | ppb |
| Selenium | 77-2 | 3.07 | 4.71 | 3.89 | 3.89 | 21.02 | ppb |
| Selenium | 78-2 | 2.83 | 4.26 | 4.27 | 3.79 | 21.89 | ppb |
| Silicon | 28-1 | 0.23 | 0.02 | 0.11 | 0.12 | 86.65 | ppb |
| Silver | 107-1 | 0.95 | 0.98 | 0.99 | 0.97 | 1.98 | ppb |
| Silver | 109-1 | 0.93 | 0.98 | 1.00 | 0.97 | 3.80 | ppb |
| Sodium | 23-2 | 495.11 | 488.92 | 491.05 | 491.69 | 0.64 | ppb |
| Strontium | 86-1 | 0.91 | 0.85 | 0.91 | 0.89 | 3.85 | ppb |
| Strontium | 88-1 | 0.90 | 0.88 | 0.91 | 0.90 | 1.61 | ppb |
| Sulfur | 34-1 | 610.65 | 645.65 | 780.23 | 678.84 | 13.19 | ppb |
| Terbium | 159-1 | | | | 98 | | % |
| Terbium | 159-2 | | | | 95 | | % |
| Thallium | 203-1 | 0.90 | 0.89 | 0.90 | 0.90 | 0.56 | ppb |
| Thallium | 205-1 | 0.92 | 0.91 | 0.90 | 0.91 | 0.63 | ppb |
| Tin | 118-1 | 4.41 | 4.42 | 4.47 | 4.43 | 0.70 | ppb |
| Titanium | 47-1 | 4.63 | 4.73 | 4.97 | 4.78 | 3.65 | ppb |
| Uranium | 238-1 | 0.85 | 0.84 | 0.86 | 0.85 | 1.25 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CRI | Instrumnet Name : | P8 |
| Client Sample ID : | CRI | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 14:01:58 | DataFile Name : | 023LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 4.67 | 4.56 | 4.58 | 4.60 | 1.29 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 97 | | % |
| Yttrium | 89-2 | | | | 92 | | % |
| Zinc | 66-2 | 4.43 | 4.00 | 4.48 | 4.30 | 6.21 | ppb |
| Zirconium | 90-1 | 0.95 | 0.95 | 0.97 | 0.96 | 1.31 | ppb |
| Zirconium | 91-1 | 1.00 | 1.00 | 1.00 | 1.00 | 0.27 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16DLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725DL | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:05:21 | DataFile Name : | 024AREF.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 17047.77 | 17279.86 | 16656.24 | 16994.62 | 1.85 | ppb |
| Antimony | 121-1 | 0.04 | 0.04 | 0.04 | 0.04 | 4.96 | ppb |
| Arsenic | 75-2 | 4.65 | 5.19 | 4.84 | 4.89 | 5.60 | ppb |
| Barium | 135-1 | 22.30 | 22.69 | 22.20 | 22.40 | 1.14 | ppb |
| Barium | 137-1 | 22.88 | 23.07 | 22.73 | 22.89 | 0.74 | ppb |
| Beryllium | 9-1 | 2.66 | 2.79 | 2.68 | 2.71 | 2.50 | ppb |
| Bismuth | 209-1 | | | | 97 | | % |
| Bismuth | 209-2 | | | | 92 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 1.91 | 1.78 | 1.95 | 1.88 | 4.75 | ppb |
| Cadmium | 106-1 | 1.38 | 1.44 | 1.27 | 1.36 | 6.44 | ppb |
| Cadmium | 111-1 | 1.94 | 2.00 | 1.98 | 1.97 | 1.40 | ppb |
| Calcium | 43-1 | 40771.50 | 39456.41 | 41388.68 | 40538.86 | 2.43 | ppb |
| Calcium | 44-1 | 39165.66 | 40195.18 | 41159.43 | 40173.42 | 2.48 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 8.49 | 8.42 | 8.22 | 8.38 | 1.70 | ppb |
| Cobalt | 59-2 | 54.91 | 55.84 | 54.01 | 54.92 | 1.67 | ppb |
| Copper | 63-2 | 59.59 | 60.53 | 58.48 | 59.53 | 1.73 | 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 | | | | 99 | | % |
| Holmium | 165-2 | | | | 95 | | % |
| Indium | 115-1 | | | | 96 | | % |
| Indium | 115-2 | | | | 90 | | % |
| Iron | 54-2 | 3298.99 | 3341.53 | 3222.44 | 3287.66 | 1.84 | ppb |
| Iron | 56-2 | 3295.83 | 3317.26 | 3222.92 | 3278.67 | 1.51 | ppb |
| Iron | 57-2 | 3249.62 | 3272.25 | 3157.93 | 3226.60 | 1.88 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 7.07 | 7.45 | 7.47 | 7.33 | 3.11 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16DLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725DL | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:05:21 | DataFile Name : | 024AREF.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 6.98 | 7.05 | 7.24 | 7.09 | 1.90 | ppb |
| Lead | 208-1 | 6.92 | 7.16 | 7.29 | 7.12 | 2.64 | ppb |
| Lithium | 6-1 | | | | 93 | | % |
| Magnesium | 24-2 | 7351.92 | 7533.21 | 7331.46 | 7405.53 | 1.50 | ppb |
| Manganese | 55-2 | 3806.72 | 3822.43 | 3659.47 | 3762.87 | 2.39 | ppb |
| Molybdenum | 94-1 | 0.23 | 0.27 | 0.30 | 0.26 | 13.42 | ppb |
| Molybdenum | 95-1 | 0.05 | 0.05 | 0.06 | 0.06 | 4.36 | ppb |
| Molybdenum | 96-1 | 0.06 | 0.05 | 0.06 | 0.05 | 14.74 | ppb |
| Molybdenum | 97-1 | 0.02 | 0.02 | 0.03 | 0.03 | 9.60 | ppb |
| Molybdenum | 98-1 | 0.02 | 0.02 | 0.02 | 0.02 | 8.46 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 46.50 | 47.28 | 46.31 | 46.70 | 1.10 | ppb |
| Phosphorus | 31-2 | 684.95 | 623.87 | 609.60 | 639.47 | 6.26 | ppb |
| Potassium | 39-2 | 8519.89 | 8512.90 | 8407.11 | 8479.97 | 0.75 | ppb |
| Rhodium | 103-1 | | | | 92 | | % |
| Rhodium | 103-2 | | | | 89 | | % |
| Scandium | 45-1 | | | | 94 | | % |
| Scandium | 45-2 | | | | 89 | | % |
| Selenium | 82-1 | 1.04 | 0.85 | 0.86 | 0.91 | 11.63 | ppb |
| Selenium | 77-2 | 42.09 | 36.27 | 41.37 | 39.91 | 7.95 | ppb |
| Selenium | 78-2 | 6.59 | 7.02 | 8.09 | 7.23 | 10.71 | ppb |
| Silicon | 28-1 | 758.43 | 739.79 | 764.21 | 754.14 | 1.69 | ppb |
| Silver | 107-1 | 0.02 | 0.02 | 0.02 | 0.02 | 8.05 | ppb |
| Silver | 109-1 | 0.02 | 0.02 | 0.02 | 0.02 | 6.75 | ppb |
| Sodium | 23-2 | 2783.37 | 2791.66 | 2722.68 | 2765.90 | 1.36 | ppb |
| Strontium | 86-1 | 111.41 | 110.96 | 113.07 | 111.81 | 1.00 | ppb |
| Strontium | 88-1 | 118.00 | 112.71 | 116.29 | 115.67 | 2.34 | ppb |
| Sulfur | 34-1 | 61072.87 | 59754.68 | 60009.10 | 60278.88 | 1.16 | ppb |
| Terbium | 159-1 | | | | 98 | | % |
| Terbium | 159-2 | | | | 94 | | % |
| Thallium | 203-1 | 0.16 | 0.17 | 0.18 | 0.17 | 4.17 | ppb |
| Thallium | 205-1 | 0.17 | 0.17 | 0.16 | 0.17 | 3.58 | ppb |
| Tin | 118-1 | -0.03 | -0.04 | -0.04 | -0.03 | | ppb |
| Titanium | 47-1 | 1.50 | 1.43 | 1.40 | 1.44 | 3.62 | ppb |
| Uranium | 238-1 | 1.01 | 1.04 | 1.04 | 1.03 | 1.80 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16DLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725DL | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:05:21 | DataFile Name : | 024AREF.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 13.92 | 13.98 | 13.52 | 13.81 | 1.80 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 113 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 363.03 | 369.22 | 352.39 | 361.55 | 2.36 | ppb |
| Zirconium | 90-1 | 0.12 | 0.13 | 0.12 | 0.12 | 3.00 | ppb |
| Zirconium | 91-1 | 0.13 | 0.13 | 0.12 | 0.13 | 3.63 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16DUPDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725DUPI | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:08:39 | DataFile Name : | 025AREF.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 16906.06 | 16568.15 | 16538.64 | 16670.95 | 1.22 | ppb |
| Antimony | 121-1 | 0.02 | 0.03 | 0.03 | 0.03 | 5.54 | ppb |
| Arsenic | 75-2 | 4.26 | 4.74 | 4.70 | 4.57 | 5.80 | ppb |
| Barium | 135-1 | 21.73 | 22.64 | 22.74 | 22.37 | 2.50 | ppb |
| Barium | 137-1 | 22.34 | 22.84 | 23.21 | 22.80 | 1.91 | ppb |
| Beryllium | 9-1 | 2.61 | 2.67 | 2.62 | 2.63 | 1.21 | ppb |
| Bismuth | 209-1 | | | | 97 | | % |
| Bismuth | 209-2 | | | | 92 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 1.50 | 1.73 | 1.93 | 1.72 | 12.47 | ppb |
| Cadmium | 106-1 | 1.07 | 1.59 | 1.15 | 1.27 | 22.04 | ppb |
| Cadmium | 111-1 | 1.90 | 1.97 | 1.94 | 1.94 | 1.85 | ppb |
| Calcium | 43-1 | 40853.71 | 40440.86 | 42221.10 | 41171.89 | 2.26 | ppb |
| Calcium | 44-1 | 40575.25 | 40423.89 | 40195.55 | 40398.23 | 0.47 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 8.49 | 8.46 | 8.70 | 8.55 | 1.55 | ppb |
| Cobalt | 59-2 | 54.47 | 53.38 | 53.77 | 53.87 | 1.02 | ppb |
| Copper | 63-2 | 58.03 | 58.20 | 58.17 | 58.13 | 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 | | | | 98 | | % |
| Holmium | 165-2 | | | | 94 | | % |
| Indium | 115-1 | | | | 94 | | % |
| Indium | 115-2 | | | | 90 | | % |
| Iron | 54-2 | 3231.48 | 3187.20 | 3212.28 | 3210.32 | 0.69 | ppb |
| Iron | 56-2 | 3239.54 | 3185.31 | 3246.87 | 3223.91 | 1.04 | ppb |
| Iron | 57-2 | 3182.71 | 3136.83 | 3147.94 | 3155.83 | 0.76 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 7.01 | 7.02 | 7.15 | 7.06 | 1.13 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16DUPDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725DUPI | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:08:39 | DataFile Name : | 025AREF.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 7.04 | 6.82 | 6.90 | 6.92 | 1.66 | ppb |
| Lead | 208-1 | 6.95 | 6.90 | 7.06 | 6.97 | 1.22 | ppb |
| Lithium | 6-1 | | | | 92 | | % |
| Magnesium | 24-2 | 7186.73 | 7119.86 | 7235.38 | 7180.66 | 0.81 | ppb |
| Manganese | 55-2 | 3701.48 | 3626.87 | 3685.02 | 3671.12 | 1.07 | ppb |
| Molybdenum | 94-1 | 0.20 | 0.24 | 0.22 | 0.22 | 8.00 | ppb |
| Molybdenum | 95-1 | 0.05 | 0.06 | 0.06 | 0.06 | 13.57 | ppb |
| Molybdenum | 96-1 | 0.06 | 0.06 | 0.06 | 0.06 | 3.66 | ppb |
| Molybdenum | 97-1 | 0.03 | 0.02 | 0.03 | 0.03 | 18.47 | ppb |
| Molybdenum | 98-1 | 0.03 | 0.03 | 0.02 | 0.02 | 14.93 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 45.97 | 46.34 | 46.57 | 46.29 | 0.65 | ppb |
| Phosphorus | 31-2 | 590.72 | 574.14 | 615.91 | 593.59 | 3.54 | ppb |
| Potassium | 39-2 | 8450.60 | 8286.33 | 8426.74 | 8387.89 | 1.06 | ppb |
| Rhodium | 103-1 | | | | 93 | | % |
| Rhodium | 103-2 | | | | 88 | | % |
| Scandium | 45-1 | | | | 91 | | % |
| Scandium | 45-2 | | | | 89 | | % |
| Selenium | 82-1 | 0.72 | 0.87 | 0.98 | 0.86 | 15.31 | ppb |
| Selenium | 77-2 | 40.13 | 38.69 | 52.38 | 43.73 | 17.21 | ppb |
| Selenium | 78-2 | 7.93 | 5.77 | 7.67 | 7.12 | 16.51 | ppb |
| Silicon | 28-1 | 771.90 | 761.25 | 759.51 | 764.22 | 0.88 | ppb |
| Silver | 107-1 | 0.01 | 0.01 | 0.02 | 0.01 | 13.92 | ppb |
| Silver | 109-1 | 0.01 | 0.02 | 0.01 | 0.01 | 21.49 | ppb |
| Sodium | 23-2 | 2756.87 | 2677.01 | 2741.00 | 2724.96 | 1.55 | ppb |
| Strontium | 86-1 | 111.75 | 112.29 | 112.52 | 112.19 | 0.35 | ppb |
| Strontium | 88-1 | 117.18 | 114.90 | 118.95 | 117.01 | 1.74 | ppb |
| Sulfur | 34-1 | 60672.30 | 59762.45 | 60075.21 | 60169.99 | 0.77 | ppb |
| Terbium | 159-1 | | | | 97 | | % |
| Terbium | 159-2 | | | | 93 | | % |
| Thallium | 203-1 | 0.16 | 0.16 | 0.15 | 0.16 | 2.97 | ppb |
| Thallium | 205-1 | 0.16 | 0.16 | 0.16 | 0.16 | 2.40 | ppb |
| Tin | 118-1 | -0.07 | -0.07 | -0.08 | -0.07 | | ppb |
| Titanium | 47-1 | 1.48 | 1.47 | 1.35 | 1.43 | 4.88 | ppb |
| Uranium | 238-1 | 0.99 | 1.02 | 1.03 | 1.01 | 1.87 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16DUPDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725DUPI | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:08:39 | DataFile Name : | 025AREF.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 13.82 | 13.44 | 13.74 | 13.66 | 1.46 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 111 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 352.41 | 345.80 | 354.71 | 350.97 | 1.32 | ppb |
| Zirconium | 90-1 | 0.12 | 0.13 | 0.12 | 0.12 | 2.86 | ppb |
| Zirconium | 91-1 | 0.14 | 0.14 | 0.13 | 0.14 | 6.50 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16LDLX25 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725LDL | Dilution Factor : | 25 |
| Date & Time Acquired : | 2025-05-22 14:11:55 | DataFile Name : | 026AREF.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3518.65 | 3567.88 | 3424.51 | 3503.68 | 2.08 | ppb |
| Antimony | 121-1 | 0.04 | 0.04 | 0.04 | 0.04 | 9.26 | ppb |
| Arsenic | 75-2 | 1.08 | 1.00 | 1.28 | 1.12 | 12.87 | ppb |
| Barium | 135-1 | 4.68 | 4.76 | 4.77 | 4.74 | 1.04 | ppb |
| Barium | 137-1 | 4.72 | 4.88 | 4.73 | 4.78 | 1.91 | ppb |
| Beryllium | 9-1 | 0.58 | 0.58 | 0.58 | 0.58 | 0.41 | ppb |
| Bismuth | 209-1 | | | | 98 | | % |
| Bismuth | 209-2 | | | | 94 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 0.58 | 0.42 | 0.44 | 0.48 | 18.58 | ppb |
| Cadmium | 106-1 | -1.69 | -1.43 | -1.53 | -1.55 | | ppb |
| Cadmium | 111-1 | 0.24 | 0.33 | 0.27 | 0.28 | 16.53 | ppb |
| Calcium | 43-1 | 8259.93 | 8712.18 | 8674.26 | 8548.79 | 2.93 | ppb |
| Calcium | 44-1 | 8357.25 | 8660.27 | 8704.78 | 8574.10 | 2.21 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1.67 | 1.63 | 1.71 | 1.67 | 2.49 | ppb |
| Cobalt | 59-2 | 11.30 | 11.25 | 11.23 | 11.26 | 0.31 | ppb |
| Copper | 63-2 | 12.17 | 12.06 | 12.16 | 12.13 | 0.51 | 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 | | | | 93 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 91 | | % |
| Iron | 54-2 | 683.25 | 671.73 | 666.76 | 673.91 | 1.25 | ppb |
| Iron | 56-2 | 692.12 | 673.29 | 674.14 | 679.85 | 1.56 | ppb |
| Iron | 57-2 | 654.22 | 665.99 | 662.76 | 660.99 | 0.92 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 1.54 | 1.50 | 1.50 | 1.51 | 1.75 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16LDLX25 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725LDL | Dilution Factor : | 25 |
| Date & Time Acquired : | 2025-05-22 14:11:55 | DataFile Name : | 026AREF.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 1.44 | 1.51 | 1.44 | 1.46 | 2.83 | ppb |
| Lead | 208-1 | 1.47 | 1.48 | 1.46 | 1.47 | 0.62 | ppb |
| Lithium | 6-1 | | | | 91 | | % |
| Magnesium | 24-2 | 1550.89 | 1577.10 | 1526.22 | 1551.40 | 1.64 | ppb |
| Manganese | 55-2 | 762.16 | 754.62 | 755.79 | 757.52 | 0.54 | ppb |
| Molybdenum | 94-1 | 0.08 | 0.05 | 0.05 | 0.06 | 26.64 | ppb |
| Molybdenum | 95-1 | 0.01 | 0.01 | 0.01 | 0.01 | 20.79 | ppb |
| Molybdenum | 96-1 | 0.01 | 0.01 | 0.02 | 0.01 | 48.82 | ppb |
| Molybdenum | 97-1 | 0.00 | 0.00 | 0.00 | 0.00 | 81.45 | ppb |
| Molybdenum | 98-1 | 0.00 | 0.01 | 0.01 | 0.01 | 23.04 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 9.80 | 9.70 | 9.35 | 9.62 | 2.48 | ppb |
| Phosphorus | 31-2 | 42.78 | 6.08 | 41.45 | 30.10 | 69.15 | ppb |
| Potassium | 39-2 | 1793.42 | 1782.93 | 1747.53 | 1774.63 | 1.36 | ppb |
| Rhodium | 103-1 | | | | 94 | | % |
| Rhodium | 103-2 | | | | 92 | | % |
| Scandium | 45-1 | | | | 91 | | % |
| Scandium | 45-2 | | | | 91 | | % |
| Selenium | 82-1 | -0.08 | 0.29 | 0.14 | 0.12 | 160.30 | ppb |
| Selenium | 77-2 | 14.39 | 11.16 | 6.28 | 10.61 | 38.50 | ppb |
| Selenium | 78-2 | 3.93 | 2.03 | 2.03 | 2.66 | 41.29 | ppb |
| Silicon | 28-1 | 155.81 | 160.82 | 164.47 | 160.36 | 2.71 | ppb |
| Silver | 107-1 | 0.00 | 0.01 | 0.00 | 0.00 | 42.08 | ppb |
| Silver | 109-1 | 0.00 | 0.00 | 0.00 | 0.00 | 2.09 | ppb |
| Sodium | 23-2 | 595.76 | 604.64 | 587.73 | 596.04 | 1.42 | ppb |
| Strontium | 86-1 | 26.05 | 26.44 | 26.87 | 26.45 | 1.54 | ppb |
| Strontium | 88-1 | 26.17 | 26.58 | 27.16 | 26.63 | 1.87 | ppb |
| Sulfur | 34-1 | 11581.61 | 12549.67 | 12380.55 | 12170.61 | 4.25 | ppb |
| Terbium | 159-1 | | | | 96 | | % |
| Terbium | 159-2 | | | | 93 | | % |
| Thallium | 203-1 | 0.04 | 0.03 | 0.04 | 0.04 | 7.07 | ppb |
| Thallium | 205-1 | 0.04 | 0.04 | 0.03 | 0.04 | 9.57 | ppb |
| Tin | 118-1 | -0.09 | -0.08 | -0.11 | -0.09 | | ppb |
| Titanium | 47-1 | 0.29 | 0.34 | 0.33 | 0.32 | 8.91 | ppb |
| Uranium | 238-1 | 0.21 | 0.21 | 0.21 | 0.21 | 1.14 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16LDLX25 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725LDL | Dilution Factor : | 25 |
| Date & Time Acquired : | 2025-05-22 14:11:55 | DataFile Name : | 026AREF.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 2.84 | 2.94 | 2.84 | 2.88 | 1.98 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 99 | | % |
| Yttrium | 89-2 | | | | 94 | | % |
| Zinc | 66-2 | 72.51 | 75.25 | 73.19 | 73.65 | 1.94 | ppb |
| Zirconium | 90-1 | 0.03 | 0.04 | 0.04 | 0.04 | 14.34 | ppb |
| Zirconium | 91-1 | 0.04 | 0.04 | 0.04 | 0.04 | 8.36 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:15:17 | DataFile Name : | 027AREF.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 17300.68 | 17341.39 | 17166.69 | 17269.59 | 0.53 | ppb |
| Antimony | 121-1 | 92.95 | 93.71 | 95.80 | 94.16 | 1.57 | ppb |
| Arsenic | 75-2 | 4.02 | 4.38 | 4.38 | 4.26 | 4.83 | ppb |
| Barium | 135-1 | 445.88 | 449.50 | 457.00 | 450.80 | 1.26 | ppb |
| Barium | 137-1 | 451.16 | 462.01 | 486.15 | 466.44 | 3.84 | ppb |
| Beryllium | 9-1 | 103.72 | 102.51 | 103.15 | 103.13 | 0.59 | ppb |
| Bismuth | 209-1 | | | | 95 | | % |
| Bismuth | 209-2 | | | | 92 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 92.99 | 93.46 | 96.63 | 94.36 | 2.10 | ppb |
| Cadmium | 106-1 | 96.39 | 99.54 | 100.61 | 98.85 | 2.22 | ppb |
| Cadmium | 111-1 | 96.10 | 97.17 | 98.54 | 97.27 | 1.26 | ppb |
| Calcium | 43-1 | 46598.36 | 47310.32 | 47678.76 | 47195.81 | 1.16 | ppb |
| Calcium | 44-1 | 47303.27 | 46661.72 | 46876.34 | 46947.11 | 0.70 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 99.94 | 99.50 | 99.69 | 99.71 | 0.22 | ppb |
| Cobalt | 59-2 | 146.32 | 146.05 | 146.81 | 146.39 | 0.26 | ppb |
| Copper | 63-2 | 1078.05 | 1076.79 | 1080.45 | 1078.43 | 0.17 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 99 | | % |
| Holmium | 165-2 | | | | 95 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 90 | | % |
| Iron | 54-2 | 7450.32 | 7445.09 | 7382.17 | 7425.86 | 0.51 | ppb |
| Iron | 56-2 | 7336.79 | 7236.53 | 7341.79 | 7305.04 | 0.81 | ppb |
| Iron | 57-2 | 7185.20 | 7244.69 | 7202.12 | 7210.67 | 0.43 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 488.04 | 502.95 | 485.11 | 492.03 | 1.94 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:15:17 | DataFile Name : | 027AREF.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 520.70 | 525.34 | 495.46 | 513.83 | 3.13 | ppb |
| Lead | 208-1 | 500.04 | 504.76 | 481.75 | 495.51 | 2.45 | ppb |
| Lithium | 6-1 | | | | 91 | | % |
| Magnesium | 24-2 | 16698.44 | 17112.57 | 16721.14 | 16844.05 | 1.38 | ppb |
| Manganese | 55-2 | 4406.42 | 4378.92 | 4382.69 | 4389.34 | 0.34 | ppb |
| Molybdenum | 94-1 | 406.83 | 404.82 | 395.88 | 402.51 | 1.45 | ppb |
| Molybdenum | 95-1 | 313.43 | 306.17 | 305.77 | 308.46 | 1.40 | ppb |
| Molybdenum | 96-1 | 316.41 | 305.96 | 303.21 | 308.53 | 2.26 | ppb |
| Molybdenum | 97-1 | 310.10 | 302.45 | 293.06 | 301.87 | 2.83 | ppb |
| Molybdenum | 98-1 | 311.20 | 297.86 | 299.40 | 302.82 | 2.41 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 141.32 | 142.22 | 141.92 | 141.82 | 0.32 | ppb |
| Phosphorus | 31-2 | 589.46 | 619.36 | 520.05 | 576.29 | 8.84 | ppb |
| Potassium | 39-2 | 12106.75 | 12048.97 | 12151.76 | 12102.49 | 0.43 | ppb |
| Rhodium | 103-1 | | | | 91 | | % |
| Rhodium | 103-2 | | | | 89 | | % |
| Scandium | 45-1 | | | | 93 | | % |
| Scandium | 45-2 | | | | 91 | | % |
| Selenium | 82-1 | 88.28 | 84.82 | 85.23 | 86.11 | 2.19 | ppb |
| Selenium | 77-2 | 115.93 | 117.69 | 122.66 | 118.76 | 2.94 | ppb |
| Selenium | 78-2 | 97.03 | 89.26 | 91.47 | 92.59 | 4.32 | ppb |
| Silicon | 28-1 | 695.43 | 687.44 | 694.04 | 692.30 | 0.62 | ppb |
| Silver | 107-1 | 15.84 | 16.13 | 16.73 | 16.24 | 2.81 | ppb |
| Silver | 109-1 | 16.02 | 16.28 | 16.54 | 16.28 | 1.62 | ppb |
| Sodium | 23-2 | 12303.30 | 12512.28 | 12281.77 | 12365.78 | 1.03 | ppb |
| Strontium | 86-1 | 203.66 | 200.83 | 200.57 | 201.69 | 0.85 | ppb |
| Strontium | 88-1 | 209.31 | 208.64 | 208.03 | 208.66 | 0.31 | ppb |
| Sulfur | 34-1 | 56161.55 | 53908.81 | 56109.99 | 55393.45 | 2.32 | ppb |
| Terbium | 159-1 | | | | 98 | | % |
| Terbium | 159-2 | | | | 95 | | % |
| Thallium | 203-1 | 91.32 | 94.33 | 90.94 | 92.20 | 2.02 | ppb |
| Thallium | 205-1 | 96.33 | 99.20 | 98.16 | 97.90 | 1.48 | ppb |
| Tin | 118-1 | 83.45 | 84.73 | 86.19 | 84.79 | 1.61 | ppb |
| Titanium | 47-1 | 1.47 | 1.55 | 1.58 | 1.54 | 3.80 | ppb |
| Uranium | 238-1 | 96.40 | 95.86 | 93.66 | 95.30 | 1.52 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:15:17 | DataFile Name : | 027AREF.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 110.73 | 110.95 | 110.42 | 110.70 | 0.24 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 112 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | 1318.42 | 1319.10 | 1318.35 | 1318.62 | 0.03 | ppb |
| Zirconium | 90-1 | 86.56 | 82.24 | 82.28 | 83.69 | 2.97 | ppb |
| Zirconium | 91-1 | 81.49 | 80.37 | 79.53 | 80.46 | 1.22 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:18:19 | DataFile Name : | 028AREF.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 17034.14 | 16863.77 | 17194.73 | 17030.88 | 0.97 | ppb |
| Antimony | 121-1 | 92.12 | 92.84 | 92.68 | 92.55 | 0.41 | ppb |
| Arsenic | 75-2 | 4.19 | 3.90 | 4.17 | 4.09 | 3.98 | ppb |
| Barium | 135-1 | 442.41 | 439.48 | 440.23 | 440.71 | 0.35 | ppb |
| Barium | 137-1 | 469.38 | 464.96 | 455.50 | 463.28 | 1.53 | ppb |
| Beryllium | 9-1 | 102.83 | 101.68 | 101.42 | 101.98 | 0.74 | ppb |
| Bismuth | 209-1 | | | | 96 | | % |
| Bismuth | 209-2 | | | | 93 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 93.19 | 91.94 | 93.83 | 92.99 | 1.03 | ppb |
| Cadmium | 106-1 | 97.45 | 97.77 | 95.51 | 96.91 | 1.26 | ppb |
| Cadmium | 111-1 | 96.74 | 95.18 | 94.20 | 95.37 | 1.35 | ppb |
| Calcium | 43-1 | 45833.77 | 46859.66 | 47320.74 | 46671.39 | 1.63 | ppb |
| Calcium | 44-1 | 46282.63 | 46214.59 | 47016.92 | 46504.71 | 0.96 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 99.52 | 97.57 | 99.28 | 98.79 | 1.08 | ppb |
| Cobalt | 59-2 | 145.48 | 143.60 | 145.45 | 144.84 | 0.74 | ppb |
| Copper | 63-2 | 1082.42 | 1041.57 | 1057.86 | 1060.61 | 1.94 | 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 | | | | 96 | | % |
| Indium | 115-2 | | | | 91 | | % |
| Iron | 54-2 | 7402.28 | 7245.72 | 7293.45 | 7313.82 | 1.10 | ppb |
| Iron | 56-2 | 7319.89 | 7282.10 | 7424.32 | 7342.10 | 1.00 | ppb |
| Iron | 57-2 | 7169.06 | 7116.59 | 7195.28 | 7160.31 | 0.56 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 489.55 | 482.18 | 497.91 | 489.88 | 1.61 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:18:19 | DataFile Name : | 028AREF.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 494.31 | 497.02 | 497.09 | 496.14 | 0.32 | ppb |
| Lead | 208-1 | 493.12 | 487.96 | 486.50 | 489.20 | 0.71 | ppb |
| Lithium | 6-1 | | | | 91 | | % |
| Magnesium | 24-2 | 16928.31 | 16059.17 | 16729.34 | 16572.27 | 2.75 | ppb |
| Manganese | 55-2 | 4365.50 | 4381.79 | 4368.44 | 4371.91 | 0.20 | ppb |
| Molybdenum | 94-1 | 393.79 | 379.40 | 400.40 | 391.20 | 2.75 | ppb |
| Molybdenum | 95-1 | 293.23 | 300.80 | 299.40 | 297.81 | 1.35 | ppb |
| Molybdenum | 96-1 | 300.79 | 313.19 | 313.76 | 309.25 | 2.37 | ppb |
| Molybdenum | 97-1 | 301.47 | 295.86 | 306.18 | 301.17 | 1.72 | ppb |
| Molybdenum | 98-1 | 299.13 | 298.52 | 306.52 | 301.39 | 1.48 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 140.73 | 137.81 | 140.99 | 139.84 | 1.26 | ppb |
| Phosphorus | 31-2 | 483.72 | 528.99 | 547.49 | 520.07 | 6.31 | ppb |
| Potassium | 39-2 | 12129.69 | 12040.99 | 12001.53 | 12057.40 | 0.54 | ppb |
| Rhodium | 103-1 | | | | 92 | | % |
| Rhodium | 103-2 | | | | 90 | | % |
| Scandium | 45-1 | | | | 94 | | % |
| Scandium | 45-2 | | | | 92 | | % |
| Selenium | 82-1 | 85.55 | 86.14 | 87.33 | 86.34 | 1.05 | ppb |
| Selenium | 77-2 | 131.50 | 117.09 | 95.04 | 114.54 | 16.03 | ppb |
| Selenium | 78-2 | 97.39 | 92.13 | 91.39 | 93.63 | 3.50 | ppb |
| Silicon | 28-1 | 682.72 | 693.62 | 704.94 | 693.76 | 1.60 | ppb |
| Silver | 107-1 | 15.81 | 16.00 | 16.04 | 15.95 | 0.75 | ppb |
| Silver | 109-1 | 15.89 | 16.02 | 16.08 | 15.99 | 0.61 | ppb |
| Sodium | 23-2 | 12330.16 | 12084.56 | 12597.70 | 12337.48 | 2.08 | ppb |
| Strontium | 86-1 | 196.96 | 198.01 | 202.87 | 199.28 | 1.58 | ppb |
| Strontium | 88-1 | 209.67 | 201.07 | 210.67 | 207.14 | 2.55 | ppb |
| Sulfur | 34-1 | 54687.49 | 56130.51 | 54684.27 | 55167.42 | 1.51 | ppb |
| Terbium | 159-1 | | | | 99 | | % |
| Terbium | 159-2 | | | | 96 | | % |
| Thallium | 203-1 | 89.97 | 89.16 | 92.34 | 90.49 | 1.83 | ppb |
| Thallium | 205-1 | 93.58 | 94.02 | 97.52 | 95.04 | 2.27 | ppb |
| Tin | 118-1 | 84.65 | 83.51 | 83.20 | 83.79 | 0.91 | ppb |
| Titanium | 47-1 | 1.52 | 1.57 | 1.53 | 1.54 | 1.67 | ppb |
| Uranium | 238-1 | 94.86 | 95.88 | 93.00 | 94.58 | 1.54 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:18:19 | DataFile Name : | 028AREF.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 110.76 | 108.90 | 110.57 | 110.08 | 0.93 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 112 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | 1308.96 | 1275.75 | 1306.89 | 1297.20 | 1.43 | ppb |
| Zirconium | 90-1 | 80.65 | 83.04 | 82.90 | 82.20 | 1.63 | ppb |
| Zirconium | 91-1 | 78.21 | 78.36 | 79.64 | 78.74 | 1.00 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16ADLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725ADL | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:21:23 | DataFile Name : | 029AREF.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 17043.86 | 17436.53 | 17238.25 | 17239.55 | 1.14 | ppb |
| Antimony | 121-1 | 93.29 | 95.84 | 95.67 | 94.93 | 1.50 | ppb |
| Arsenic | 75-2 | 4.16 | 4.40 | 3.93 | 4.16 | 5.73 | ppb |
| Barium | 135-1 | 449.63 | 453.69 | 449.57 | 450.96 | 0.52 | ppb |
| Barium | 137-1 | 469.94 | 473.07 | 482.13 | 475.05 | 1.33 | ppb |
| Beryllium | 9-1 | 105.08 | 102.44 | 103.73 | 103.75 | 1.27 | ppb |
| Bismuth | 209-1 | | | | 96 | | % |
| Bismuth | 209-2 | | | | 93 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 95.35 | 96.14 | 97.85 | 96.45 | 1.32 | ppb |
| Cadmium | 106-1 | 99.24 | 101.66 | 99.34 | 100.08 | 1.37 | ppb |
| Cadmium | 111-1 | 97.49 | 98.75 | 97.41 | 97.89 | 0.77 | ppb |
| Calcium | 43-1 | 48023.35 | 45944.79 | 46734.56 | 46900.90 | 2.24 | ppb |
| Calcium | 44-1 | 47171.47 | 46742.90 | 46691.52 | 46868.63 | 0.56 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 99.70 | 102.70 | 101.04 | 101.15 | 1.49 | ppb |
| Cobalt | 59-2 | 145.34 | 150.90 | 148.42 | 148.22 | 1.88 | ppb |
| Copper | 63-2 | 1077.49 | 1127.77 | 1077.99 | 1094.42 | 2.64 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 98 | | % |
| Holmium | 165-2 | | | | 95 | | % |
| Indium | 115-1 | | | | 96 | | % |
| Indium | 115-2 | | | | 90 | | % |
| Iron | 54-2 | 7357.19 | 7657.35 | 7573.03 | 7529.19 | 2.06 | ppb |
| Iron | 56-2 | 7327.44 | 7530.50 | 7432.74 | 7430.22 | 1.37 | ppb |
| Iron | 57-2 | 7241.70 | 7372.58 | 7265.42 | 7293.23 | 0.96 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 495.47 | 503.36 | 479.36 | 492.73 | 2.48 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16ADLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725ADL | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:21:23 | DataFile Name : | 029AREF.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 505.36 | 515.08 | 492.07 | 504.17 | 2.29 | ppb |
| Lead | 208-1 | 494.89 | 501.83 | 484.58 | 493.77 | 1.76 | ppb |
| Lithium | 6-1 | | | | 90 | | % |
| Magnesium | 24-2 | 16907.80 | 17193.53 | 16447.17 | 16849.50 | 2.23 | ppb |
| Manganese | 55-2 | 4351.11 | 4514.66 | 4350.54 | 4405.44 | 2.15 | ppb |
| Molybdenum | 94-1 | 395.43 | 398.54 | 391.38 | 395.11 | 0.91 | ppb |
| Molybdenum | 95-1 | 303.23 | 306.11 | 309.58 | 306.30 | 1.04 | ppb |
| Molybdenum | 96-1 | 314.26 | 314.79 | 306.31 | 311.79 | 1.52 | ppb |
| Molybdenum | 97-1 | 301.96 | 317.25 | 300.84 | 306.68 | 2.99 | ppb |
| Molybdenum | 98-1 | 301.24 | 309.81 | 302.88 | 304.64 | 1.49 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 143.42 | 145.37 | 144.46 | 144.42 | 0.67 | ppb |
| Phosphorus | 31-2 | 544.33 | 505.68 | 484.68 | 511.57 | 5.91 | ppb |
| Potassium | 39-2 | 12053.89 | 12367.71 | 12162.48 | 12194.70 | 1.31 | ppb |
| Rhodium | 103-1 | | | | 91 | | % |
| Rhodium | 103-2 | | | | 89 | | % |
| Scandium | 45-1 | | | | 95 | | % |
| Scandium | 45-2 | | | | 91 | | % |
| Selenium | 82-1 | 87.19 | 88.78 | 88.33 | 88.10 | 0.93 | ppb |
| Selenium | 77-2 | 115.26 | 128.59 | 105.16 | 116.34 | 10.10 | ppb |
| Selenium | 78-2 | 83.97 | 97.04 | 102.01 | 94.34 | 9.88 | ppb |
| Silicon | 28-1 | 701.53 | 694.85 | 674.66 | 690.35 | 2.03 | ppb |
| Silver | 107-1 | 16.28 | 16.49 | 16.22 | 16.33 | 0.87 | ppb |
| Silver | 109-1 | 16.15 | 16.43 | 16.27 | 16.28 | 0.87 | ppb |
| Sodium | 23-2 | 12208.43 | 12368.94 | 12629.01 | 12402.13 | 1.71 | ppb |
| Strontium | 86-1 | 203.18 | 205.79 | 202.03 | 203.67 | 0.95 | ppb |
| Strontium | 88-1 | 205.38 | 211.76 | 207.07 | 208.07 | 1.59 | ppb |
| Sulfur | 34-1 | 55155.09 | 54647.01 | 54069.95 | 54624.02 | 0.99 | ppb |
| Terbium | 159-1 | | | | 98 | | % |
| Terbium | 159-2 | | | | 96 | | % |
| Thallium | 203-1 | 91.59 | 92.94 | 89.76 | 91.43 | 1.75 | ppb |
| Thallium | 205-1 | 96.29 | 97.67 | 92.13 | 95.36 | 3.02 | ppb |
| Tin | 118-1 | 85.01 | 86.87 | 86.85 | 86.24 | 1.24 | ppb |
| Titanium | 47-1 | 1.56 | 1.43 | 1.61 | 1.53 | 5.78 | ppb |
| Uranium | 238-1 | 93.83 | 97.07 | 95.53 | 95.48 | 1.70 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16ADLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725ADL | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:21:23 | DataFile Name : | 029AREF.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 110.69 | 113.37 | 111.55 | 111.87 | 1.22 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 112 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | 1313.93 | 1338.92 | 1315.35 | 1322.73 | 1.06 | ppb |
| Zirconium | 90-1 | 83.19 | 85.96 | 82.50 | 83.88 | 2.18 | ppb |
| Zirconium | 91-1 | 80.05 | 82.27 | 80.24 | 80.86 | 1.52 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCV02 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV02 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 14:24:24 | DataFile Name : | 030CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 49326.67 | 49327.91 | 46537.34 | 48397.31 | 3.33 | ppb |
| Antimony | 121-1 | 501.99 | 510.80 | 498.62 | 503.80 | 1.25 | ppb |
| Arsenic | 75-2 | 508.42 | 481.34 | 483.54 | 491.10 | 3.06 | ppb |
| Barium | 135-1 | 2530.09 | 2578.58 | 2561.99 | 2556.88 | 0.96 | ppb |
| Barium | 137-1 | 2551.85 | 2634.89 | 2579.40 | 2588.71 | 1.63 | ppb |
| Beryllium | 9-1 | 506.68 | 510.54 | 517.76 | 511.66 | 1.10 | ppb |
| Bismuth | 209-1 | | | | 88 | | % |
| Bismuth | 209-2 | | | | 86 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 486.97 | 504.63 | 491.60 | 494.40 | 1.85 | ppb |
| Cadmium | 106-1 | 497.41 | 507.30 | 494.81 | 499.84 | 1.32 | ppb |
| Cadmium | 111-1 | 489.30 | 502.54 | 494.07 | 495.30 | 1.35 | ppb |
| Calcium | 43-1 | 236703.67 | 238557.53 | 236977.37 | 237412.86 | 0.42 | ppb |
| Calcium | 44-1 | 231025.81 | 241230.79 | 240473.62 | 237576.74 | 2.39 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 494.32 | 474.66 | 465.84 | 478.27 | 3.05 | ppb |
| Cobalt | 59-2 | 510.40 | 496.58 | 469.56 | 492.18 | 4.22 | ppb |
| Copper | 63-2 | 5073.29 | 4926.81 | 4895.92 | 4965.34 | 1.91 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 94 | | % |
| Holmium | 165-2 | | | | 93 | | % |
| Indium | 115-1 | | | | 86 | | % |
| Indium | 115-2 | | | | 85 | | % |
| Iron | 54-2 | 132820.32 | 126430.66 | 122445.36 | 127232.11 | 4.11 | ppb |
| Iron | 56-2 | 128237.54 | 123214.66 | 123999.33 | 125150.51 | 2.16 | ppb |
| Iron | 57-2 | 128830.64 | 125119.33 | 121386.14 | 125112.04 | 2.98 | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 2511.67 | 2530.24 | 2498.05 | 2513.32 | 0.64 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCV02 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV02 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 14:24:24 | DataFile Name : | 030CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 2488.13 | 2533.19 | 2473.22 | 2498.18 | 1.25 | ppb |
| Lead | 208-1 | 2461.76 | 2531.66 | 2493.83 | 2495.75 | 1.40 | ppb |
| Lithium | 6-1 | | | | 83 | | % |
| Magnesium | 24-2 | 243254.43 | 234211.55 | 234821.23 | 237429.07 | 2.13 | ppb |
| Manganese | 55-2 | 5075.05 | 4896.55 | 4698.74 | 4890.11 | 3.85 | ppb |
| Molybdenum | 94-1 | 5169.43 | 5133.92 | 5028.33 | 5110.56 | 1.44 | ppb |
| Molybdenum | 95-1 | 5275.58 | 5148.32 | 5072.97 | 5165.62 | 1.98 | ppb |
| Molybdenum | 96-1 | 5139.89 | 4897.64 | 5033.60 | 5023.71 | 2.42 | ppb |
| Molybdenum | 97-1 | 5212.97 | 5051.42 | 5177.06 | 5147.15 | 1.65 | ppb |
| Molybdenum | 98-1 | 5149.17 | 5203.56 | 5101.15 | 5151.29 | 0.99 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 492.92 | 480.78 | 464.74 | 479.48 | 2.95 | ppb |
| Phosphorus | 31-2 | 10101.53 | 10020.09 | 9403.88 | 9841.83 | 3.88 | ppb |
| Potassium | 39-2 | 132854.60 | 127686.52 | 126091.91 | 128877.67 | 2.74 | ppb |
| Rhodium | 103-1 | | | | 82 | | % |
| Rhodium | 103-2 | | | | 83 | | % |
| Scandium | 45-1 | | | | 88 | | % |
| Scandium | 45-2 | | | | 90 | | % |
| Selenium | 82-1 | 515.66 | 502.78 | 505.20 | 507.88 | 1.35 | ppb |
| Selenium | 77-2 | 486.39 | 441.55 | 461.75 | 463.23 | 4.85 | ppb |
| Selenium | 78-2 | 496.37 | 466.50 | 472.12 | 478.33 | 3.32 | ppb |
| Silicon | 28-1 | 483.29 | 503.17 | 498.32 | 494.93 | 2.09 | ppb |
| Silver | 107-1 | 498.36 | 493.34 | 478.82 | 490.17 | 2.07 | ppb |
| Silver | 109-1 | 497.52 | 499.78 | 488.60 | 495.30 | 1.19 | ppb |
| Sodium | 23-2 | 232897.94 | 224688.57 | 220224.93 | 225937.15 | 2.85 | ppb |
| Strontium | 86-1 | 525.46 | 516.23 | 517.83 | 519.84 | 0.95 | ppb |
| Strontium | 88-1 | 521.31 | 511.66 | 514.04 | 515.67 | 0.97 | ppb |
| Sulfur | 34-1 | 10410.02 | 10388.06 | 10386.14 | 10394.74 | 0.13 | ppb |
| Terbium | 159-1 | | | | 92 | | % |
| Terbium | 159-2 | | | | 93 | | % |
| Thallium | 203-1 | 497.33 | 502.03 | 498.84 | 499.40 | 0.48 | ppb |
| Thallium | 205-1 | 496.58 | 506.79 | 493.06 | 498.81 | 1.43 | ppb |
| Tin | 118-1 | 504.00 | 518.02 | 508.88 | 510.30 | 1.39 | ppb |
| Titanium | 47-1 | 5161.33 | 5010.69 | 4982.16 | 5051.39 | 1.91 | ppb |
| Uranium | 238-1 | 484.91 | 524.68 | 511.42 | 507.00 | 3.99 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCV02 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV02 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 14:24:24 | DataFile Name : | 030CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 512.25 | 490.37 | 483.14 | 495.25 | 3.06 | ppb |
| Ytterbium | 172-1 | | | | | | cps |
| Ytterbium | 172-2 | | | | | | cps |
| Ytterbium | 176-1 | | | | | | cps |
| Ytterbium | 176-2 | | | | | | cps |
| Yttrium | 89-1 | | | | 90 | | % |
| Yttrium | 89-2 | | | | 90 | | % |
| Zinc | 66-2 | 5348.72 | 5069.65 | 4871.36 | 5096.58 | 4.71 | ppb |
| Zirconium | 90-1 | 517.28 | 521.85 | 512.48 | 517.21 | 0.91 | ppb |
| Zirconium | 91-1 | 535.71 | 515.99 | 516.84 | 522.84 | 2.13 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCB02 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB02 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 14:32:44 | DataFile Name : | 031CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | -0.96 | -1.05 | -1.05 | -1.02 | | ppb |
| Antimony | 121-1 | 0.05 | 0.04 | 0.03 | 0.04 | 19.40 | ppb |
| Arsenic | 75-2 | 0.00 | 0.00 | -0.01 | 0.00 | | ppb |
| Barium | 135-1 | -0.02 | -0.01 | -0.01 | -0.02 | | ppb |
| Barium | 137-1 | -0.01 | -0.01 | -0.01 | -0.01 | | ppb |
| Beryllium | 9-1 | 0.03 | 0.04 | 0.03 | 0.03 | 19.25 | ppb |
| Bismuth | 209-1 | | | | 100 | | % |
| Bismuth | 209-2 | | | | 94 | | % |
| Bromine | 81-1 | | | | | | cps |
| Cadmium | 108-1 | 0.02 | 0.04 | 0.00 | 0.02 | 88.77 | ppb |
| Cadmium | 106-1 | -2.29 | -2.60 | -2.32 | -2.40 | | ppb |
| Cadmium | 111-1 | -0.18 | -0.21 | -0.18 | -0.19 | | ppb |
| Calcium | 43-1 | -12.25 | -11.42 | -11.97 | -11.88 | | ppb |
| Calcium | 44-1 | -13.93 | -12.93 | -15.55 | -14.14 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.09 | -0.08 | -0.08 | -0.08 | | ppb |
| Cobalt | 59-2 | 0.00 | 0.00 | 0.00 | 0.00 | 84.40 | ppb |
| Copper | 63-2 | -0.16 | -0.22 | -0.20 | -0.19 | | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 100 | | % |
| Holmium | 165-2 | | | | 93 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 90 | | % |
| Iron | 54-2 | -0.79 | -1.10 | -0.87 | -0.92 | | ppb |
| Iron | 56-2 | -1.08 | -1.23 | -1.16 | -1.16 | | ppb |
| Iron | 57-2 | -1.55 | -1.78 | -1.32 | -1.55 | | ppb |
| Krypton | 83-1 | | | | | | cps |
| Lead | 206-1 | 0.03 | 0.03 | 0.02 | 0.03 | 23.18 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCB02 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB02 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 14:32:44 | DataFile Name : | 031CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 0.03 | 0.03 | 0.04 | 0.04 | 11.68 | ppb |
| Lead | 208-1 | 0.03 | 0.03 | 0.03 | 0.03 | 5.86 | ppb |
| Lithium | 6-1 | | | | 93 | | % |
| Magnesium | 24-2 | 0.23 | 0.20 | -0.53 | -0.03 | | ppb |
| Manganese | 55-2 | -0.07 | -0.02 | -0.20 | -0.09 | | ppb |
| Molybdenum | 94-1 | 0.07 | 0.08 | 0.08 | 0.08 | 6.14 | ppb |
| Molybdenum | 95-1 | 0.04 | 0.03 | 0.03 | 0.03 | 21.63 | ppb |
| Molybdenum | 96-1 | 0.04 | 0.03 | 0.04 | 0.03 | 20.92 | ppb |
| Molybdenum | 97-1 | 0.03 | 0.03 | 0.03 | 0.03 | 8.38 | ppb |
| Molybdenum | 98-1 | 0.03 | 0.03 | 0.02 | 0.03 | 19.52 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.04 | -0.08 | -0.08 | -0.07 | | ppb |
| Phosphorus | 31-2 | -134.69 | -145.79 | -139.17 | -139.88 | | ppb |
| Potassium | 39-2 | 22.82 | 16.63 | 9.59 | 16.35 | 40.51 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 91 | | % |
| Scandium | 45-1 | | | | 94 | | % |
| Scandium | 45-2 | | | | 91 | | % |
| Selenium | 82-1 | 0.14 | 0.13 | 0.21 | 0.16 | 28.85 | ppb |
| Selenium | 77-2 | -0.25 | 0.57 | 0.57 | 0.30 | 160.32 | ppb |
| Selenium | 78-2 | -1.05 | -0.60 | 0.36 | -0.43 | | ppb |
| Silicon | 28-1 | -0.56 | -0.45 | -0.93 | -0.65 | | ppb |
| Silver | 107-1 | 0.01 | 0.01 | 0.01 | 0.01 | 17.93 | ppb |
| Silver | 109-1 | 0.01 | 0.01 | 0.01 | 0.01 | 23.06 | ppb |
| Sodium | 23-2 | 41.39 | 29.40 | 29.29 | 33.36 | 20.85 | ppb |
| Strontium | 86-1 | 0.00 | 0.00 | 0.00 | 0.00 | 284.13 | ppb |
| Strontium | 88-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Sulfur | 34-1 | 391.01 | 560.40 | -392.04 | 186.46 | 272.51 | ppb |
| Terbium | 159-1 | | | | 99 | | % |
| Terbium | 159-2 | | | | 93 | | % |
| Thallium | 203-1 | 0.01 | 0.02 | 0.01 | 0.01 | 40.51 | ppb |
| Thallium | 205-1 | 0.01 | 0.01 | 0.01 | 0.01 | 14.52 | ppb |
| Tin | 118-1 | -0.12 | -0.11 | -0.12 | -0.12 | | ppb |
| Titanium | 47-1 | 0.05 | 0.03 | 0.02 | 0.04 | 34.39 | ppb |
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCB02 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB02 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 14:32:44 | DataFile Name : | 031CCBE.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 | | | | 99 | | % |
| Yttrium | 89-2 | | | | 90 | | % |
| Zinc | 66-2 | -0.53 | -0.59 | -0.55 | -0.56 | | ppb |
| Zirconium | 90-1 | 0.03 | 0.03 | 0.03 | 0.03 | 5.16 | ppb |
| Zirconium | 91-1 | 0.03 | 0.03 | 0.03 | 0.03 | 11.58 | ppb |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S0 | Instrumnet Name : | P8 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:27:00 | DataFile Name : | 004CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 140 | 117 | 103 | 120 | 15.47 | cps |
| Antimony | 121-1 | 33 | 40 | 57 | 43 | 27.74 | cps |
| Arsenic | 75-2 | 10 | 7 | 7 | 8 | 24.71 | cps |
| Barium | 135-1 | 130 | 170 | 87 | 129 | 32.33 | cps |
| Barium | 137-1 | 173 | 167 | 210 | 183 | 12.73 | cps |
| Beryllium | 9-1 | 124 | 105 | 102 | 110 | 10.52 | cps |
| Bismuth | 209-1 | 6129170 | 6116974 | 6122154 | 6122766 | 0.10 | cps |
| Bismuth | 209-2 | 2872383 | 2945709 | 2886575 | 2901556 | 1.34 | cps |
| Bromine | 81-1 | 21627 | 22308 | 22097 | 22011 | 1.58 | cps |
| Cadmium | 108-1 | 3 | 17 | 17 | 12 | 63.01 | cps |
| Cadmium | 106-1 | 6015 | 6241 | 6098 | 6118 | 1.87 | cps |
| Cadmium | 111-1 | 4218 | 4367 | 4267 | 4284 | 1.78 | cps |
| Calcium | 43-1 | 1313 | 1263 | 1153 | 1243 | 6.58 | cps |
| Calcium | 44-1 | 35761 | 35721 | 35497 | 35660 | 0.40 | cps |
| Carbon | 12-1 | 2958508 | 2962448 | 2996361 | 2972439 | 0.70 | cps |
| Carbon | 12-2 | 19740 | 19196 | 19857 | 19598 | 1.80 | cps |
| Chlorine | 35-1 | 108211 | 108650 | 108442 | 108434 | 0.20 | cps |
| Chlorine | 35-2 | 370 | 410 | 453 | 411 | 10.14 | cps |
| Chromium | 52-2 | 857 | 927 | 810 | 864 | 6.79 | cps |
| Cobalt | 59-2 | 37 | 43 | 47 | 42 | 12.06 | cps |
| Copper | 63-2 | 2250 | 2284 | 2324 | 2286 | 1.61 | cps |
| Dysprosium | 156-1 | 23 | 13 | 3 | 13 | 75.02 | cps |
| Dysprosium | 156-2 | 0 | 3 | 3 | 2 | 86.60 | cps |
| Erbium | 164-1 | 67 | 80 | 70 | 72 | 9.61 | cps |
| Erbium | 164-2 | 33 | 37 | 37 | 36 | 5.42 | cps |
| Gadolinium | 160-1 | 113 | 93 | 123 | 110 | 13.89 | cps |
| Gadolinium | 160-2 | 30 | 10 | 30 | 23 | 49.49 | cps |
| Holmium | 165-1 | 10111815 | 10324550 | 10044430 | 10160265 | 1.44 | cps |
| Holmium | 165-2 | 4043047 | 4045153 | 3981057 | 4023086 | 0.91 | cps |
| Indium | 115-1 | 9125950 | 9226718 | 9291959 | 9214876 | 0.91 | cps |
| Indium | 115-2 | 995021 | 992107 | 995892 | 994340 | 0.20 | cps |
| Iron | 54-2 | 610 | 620 | 630 | 620 | 1.61 | cps |
| Iron | 56-2 | 8132 | 8343 | 8062 | 8179 | 1.78 | cps |
| Iron | 57-2 | 233 | 253 | 223 | 237 | 6.46 | cps |
| Krypton | 83-1 | 167 | 200 | 177 | 181 | 9.44 | cps |
| Lead | 206-1 | 500 | 447 | 493 | 480 | 6.05 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S0 | Instrumnet Name : | P8 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:27:00 | DataFile Name : | 004CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 400 | 317 | 363 | 360 | 11.60 | cps |
| Lead | 208-1 | 1847 | 1613 | 1737 | 1732 | 6.74 | cps |
| Lithium | 6-1 | 3655737 | 3719339 | 3698952 | 3691342 | 0.88 | cps |
| Magnesium | 24-2 | 870 | 747 | 820 | 812 | 7.64 | cps |
| Manganese | 55-2 | 933 | 1047 | 1070 | 1017 | 7.19 | cps |
| Molybdenum | 94-1 | 340 | 373 | 367 | 360 | 4.90 | cps |
| Molybdenum | 95-1 | 160 | 100 | 133 | 131 | 22.93 | cps |
| Molybdenum | 96-1 | 160 | 190 | 213 | 188 | 14.24 | cps |
| Molybdenum | 97-1 | 70 | 80 | 77 | 76 | 6.74 | cps |
| Molybdenum | 98-1 | 183 | 187 | 220 | 197 | 10.31 | cps |
| Neodymium | 150-1 | 3 | 0 | 10 | 4 | 114.60 | cps |
| Neodymium | 150-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Nickel | 60-2 | 237 | 230 | 260 | 242 | 6.51 | cps |
| Phosphorus | 31-2 | 67 | 57 | 67 | 63 | 9.12 | cps |
| Potassium | 39-2 | 14818 | 14547 | 14894 | 14753 | 1.24 | cps |
| Rhodium | 103-1 | 8917924 | 8839788 | 9074145 | 8943953 | 1.33 | cps |
| Rhodium | 103-2 | 3670093 | 3653763 | 3687613 | 3670490 | 0.46 | cps |
| Scandium | 45-1 | 6235313 | 6236464 | 6450086 | 6307288 | 1.96 | cps |
| Scandium | 45-2 | 119418 | 119669 | 120752 | 119946 | 0.59 | cps |
| Selenium | 82-1 | 43 | 7 | 47 | 32 | 68.87 | cps |
| Selenium | 77-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 20 | 23 | 27 | 23 | 14.29 | cps |
| Silicon | 28-1 | 566182 | 586516 | 575681 | 576126 | 1.77 | cps |
| Silver | 107-1 | 153 | 120 | 137 | 137 | 12.20 | cps |
| Silver | 109-1 | 40 | 27 | 63 | 43 | 42.82 | cps |
| Sodium | 23-2 | 29360 | 29466 | 28929 | 29252 | 0.97 | cps |
| Strontium | 86-1 | 317 | 417 | 417 | 383 | 15.06 | cps |
| Strontium | 88-1 | 470 | 533 | 437 | 480 | 10.23 | cps |
| Sulfur | 34-1 | 572194 | 571356 | 579943 | 574498 | 0.82 | cps |
| Terbium | 159-1 | 10626931 | 10825826 | 10727294 | 10726684 | 0.93 | cps |
| Terbium | 159-2 | 3912693 | 3867783 | 3862509 | 3880995 | 0.71 | cps |
| Thallium | 203-1 | 133 | 160 | 153 | 149 | 9.32 | cps |
| Thallium | 205-1 | 343 | 323 | 380 | 349 | 8.24 | cps |
| Tin | 118-1 | 2880 | 2937 | 2707 | 2841 | 4.22 | cps |
| Titanium | 47-1 | 203 | 190 | 233 | 209 | 10.63 | cps |
| Uranium | 238-1 | 113 | 130 | 87 | 110 | 19.87 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S0 | Instrumnet Name : | P8 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:27:00 | DataFile Name : | 004CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 7 | 23 | 10 | 13 | 66.12 | cps |
| Ytterbium | 172-1 | 87 | 93 | 57 | 79 | 24.76 | cps |
| Ytterbium | 172-2 | 27 | 27 | 20 | 24 | 15.75 | cps |
| Ytterbium | 176-1 | 1573 | 1710 | 1543 | 1609 | 5.52 | cps |
| Ytterbium | 176-2 | 457 | 493 | 503 | 484 | 5.07 | cps |
| Yttrium | 89-1 | 16890641 | 16681978 | 16743523 | 16772048 | 0.64 | cps |
| Yttrium | 89-2 | 1276609 | 1291128 | 1280900 | 1282879 | 0.58 | cps |
| Zinc | 66-2 | 550 | 597 | 560 | 569 | 4.32 | cps |
| Zirconium | 90-1 | 823 | 830 | 920 | 858 | 6.29 | cps |
| Zirconium | 91-1 | 140 | 160 | 140 | 147 | 7.87 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S2 | Instrumnet Name : | P8 |
| Client Sample ID : | S2 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:30:23 | DataFile Name : | 005CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1257 | 1200 | 1130 | 1196 | 5.31 | cps |
| Antimony | 121-1 | 30574 | 30932 | 31560 | 31022 | 1.61 | cps |
| Arsenic | 75-2 | 377 | 310 | 347 | 344 | 9.69 | cps |
| Barium | 135-1 | 33020 | 32800 | 33047 | 32956 | 0.41 | cps |
| Barium | 137-1 | 57133 | 56909 | 56628 | 56890 | 0.45 | cps |
| Beryllium | 9-1 | 4605 | 4501 | 4638 | 4581 | 1.55 | cps |
| Bismuth | 209-1 | 5897293 | 5952037 | 6124362 | 5991231 | 1.98 | cps |
| Bismuth | 209-2 | 3013516 | 2833275 | 2881056 | 2909283 | 3.21 | cps |
| Bromine | 81-1 | 22361 | 22779 | 22475 | 22538 | 0.96 | cps |
| Cadmium | 108-1 | 270 | 277 | 320 | 289 | 9.40 | cps |
| Cadmium | 106-1 | 6622 | 6605 | 6712 | 6646 | 0.86 | cps |
| Cadmium | 111-1 | 7970 | 7877 | 7965 | 7937 | 0.66 | cps |
| Calcium | 43-1 | 24728 | 25326 | 25256 | 25103 | 1.30 | cps |
| Calcium | 44-1 | 425606 | 432942 | 426425 | 428324 | 0.94 | cps |
| Carbon | 12-1 | 2845817 | 2868274 | 2824557 | 2846216 | 0.77 | cps |
| Carbon | 12-2 | 19203 | 18599 | 19019 | 18940 | 1.64 | cps |
| Chlorine | 35-1 | 110246 | 109658 | 109674 | 109859 | 0.30 | cps |
| Chlorine | 35-2 | 450 | 450 | 450 | 450 | 0.00 | cps |
| Chromium | 52-2 | 7185 | 7048 | 7162 | 7132 | 1.03 | cps |
| Cobalt | 59-2 | 6218 | 6301 | 6378 | 6299 | 1.27 | cps |
| Copper | 63-2 | 11418 | 11621 | 11862 | 11634 | 1.91 | cps |
| Dysprosium | 156-1 | 3 | 13 | 13 | 10 | 57.75 | cps |
| Dysprosium | 156-2 | 0 | 3 | 3 | 2 | 86.60 | cps |
| Erbium | 164-1 | 60 | 57 | 53 | 57 | 5.89 | cps |
| Erbium | 164-2 | 33 | 40 | 47 | 40 | 16.68 | cps |
| Gadolinium | 160-1 | 130 | 100 | 137 | 122 | 15.98 | cps |
| Gadolinium | 160-2 | 30 | 20 | 13 | 21 | 39.75 | cps |
| Holmium | 165-1 | 10215217 | 10208550 | 10229818 | 10217861 | 0.11 | cps |
| Holmium | 165-2 | 4125357 | 3980318 | 4054278 | 4053317 | 1.79 | cps |
| Indium | 115-1 | 9299811 | 9263411 | 9420744 | 9327989 | 0.88 | cps |
| Indium | 115-2 | 1010613 | 1011478 | 1019731 | 1013941 | 0.50 | cps |
| Iron | 54-2 | 7542 | 7392 | 7429 | 7454 | 1.05 | cps |
| Iron | 56-2 | 129699 | 130285 | 128159 | 129381 | 0.85 | cps |
| Iron | 57-2 | 3200 | 3210 | 3224 | 3212 | 0.36 | cps |
| Krypton | 83-1 | 227 | 233 | 197 | 219 | 8.92 | cps |
| Lead | 206-1 | 7849 | 8409 | 8146 | 8135 | 3.45 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S2 | Instrumnet Name : | P8 |
| Client Sample ID : | S2 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:30:23 | DataFile Name : | 005CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 7152 | 7399 | 7642 | 7398 | 3.31 | cps |
| Lead | 208-1 | 32697 | 33377 | 33694 | 33256 | 1.53 | cps |
| Lithium | 6-1 | 3708738 | 3727905 | 3716553 | 3717732 | 0.26 | cps |
| Magnesium | 24-2 | 95634 | 93836 | 95869 | 95113 | 1.17 | cps |
| Manganese | 55-2 | 2494 | 2294 | 2344 | 2377 | 4.38 | cps |
| Molybdenum | 94-1 | 32000 | 31639 | 32732 | 32124 | 1.73 | cps |
| Molybdenum | 95-1 | 38413 | 37731 | 37353 | 37832 | 1.42 | cps |
| Molybdenum | 96-1 | 41870 | 42234 | 41254 | 41786 | 1.18 | cps |
| Molybdenum | 97-1 | 23480 | 23730 | 23119 | 23443 | 1.31 | cps |
| Molybdenum | 98-1 | 60876 | 61402 | 60819 | 61032 | 0.53 | cps |
| Neodymium | 150-1 | 10 | 13 | 13 | 12 | 15.73 | cps |
| Neodymium | 150-2 | 3 | 3 | 7 | 4 | 43.40 | cps |
| Nickel | 60-2 | 1767 | 1797 | 1697 | 1753 | 2.93 | cps |
| Phosphorus | 31-2 | 913 | 837 | 847 | 866 | 4.82 | cps |
| Potassium | 39-2 | 72209 | 73037 | 73268 | 72838 | 0.76 | cps |
| Rhodium | 103-1 | 9118270 | 9025848 | 8993784 | 9045967 | 0.71 | cps |
| Rhodium | 103-2 | 3643366 | 3670251 | 3724877 | 3679498 | 1.13 | cps |
| Scandium | 45-1 | 6185153 | 6419491 | 6503152 | 6369265 | 2.59 | cps |
| Scandium | 45-2 | 122584 | 122490 | 123865 | 122980 | 0.62 | cps |
| Selenium | 82-1 | 1240 | 1353 | 1313 | 1302 | 4.41 | cps |
| Selenium | 77-2 | 10 | 20 | 23 | 18 | 39.03 | cps |
| Selenium | 78-2 | 140 | 83 | 143 | 122 | 27.59 | cps |
| Silicon | 28-1 | 643016 | 633483 | 635380 | 637293 | 0.79 | cps |
| Silver | 107-1 | 19945 | 20692 | 20585 | 20407 | 1.98 | cps |
| Silver | 109-1 | 18149 | 18603 | 19187 | 18646 | 2.79 | cps |
| Sodium | 23-2 | 211876 | 212354 | 212269 | 212167 | 0.12 | cps |
| Strontium | 86-1 | 5274 | 5041 | 5324 | 5213 | 2.90 | cps |
| Strontium | 88-1 | 41906 | 41973 | 43274 | 42384 | 1.82 | cps |
| Sulfur | 34-1 | 608903 | 606860 | 608640 | 608134 | 0.18 | cps |
| Terbium | 159-1 | 10779588 | 10671247 | 10746225 | 10732353 | 0.52 | cps |
| Terbium | 159-2 | 4007019 | 3990760 | 3969537 | 3989105 | 0.47 | cps |
| Thallium | 203-1 | 11325 | 11759 | 11545 | 11543 | 1.88 | cps |
| Thallium | 205-1 | 27379 | 28074 | 27586 | 27680 | 1.29 | cps |
| Tin | 118-1 | 61163 | 61665 | 62291 | 61706 | 0.92 | cps |
| Titanium | 47-1 | 12008 | 11885 | 11628 | 11841 | 1.64 | cps |
| Uranium | 238-1 | 32231 | 32739 | 33507 | 32826 | 1.96 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S2 | Instrumnet Name : | P8 |
| Client Sample ID : | S2 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:30:23 | DataFile Name : | 005CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 12519 | 11908 | 12305 | 12244 | 2.53 | cps |
| Ytterbium | 172-1 | 70 | 53 | 40 | 54 | 27.61 | cps |
| Ytterbium | 172-2 | 43 | 17 | 20 | 27 | 54.47 | cps |
| Ytterbium | 176-1 | 1680 | 1603 | 1747 | 1677 | 4.28 | cps |
| Ytterbium | 176-2 | 460 | 457 | 463 | 460 | 0.72 | cps |
| Yttrium | 89-1 | 17216769 | 16827863 | 17427998 | 17157543 | 1.77 | cps |
| Yttrium | 89-2 | 1302541 | 1297962 | 1313619 | 1304707 | 0.62 | cps |
| Zinc | 66-2 | 3220 | 3274 | 3134 | 3209 | 2.20 | cps |
| Zirconium | 90-1 | 27754 | 28569 | 28683 | 28335 | 1.79 | cps |
| Zirconium | 91-1 | 6458 | 6291 | 6101 | 6284 | 2.84 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S3 | Instrumnet Name : | P8 |
| Client Sample ID : | S3 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:37:13 | DataFile Name : | 007CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 49986 | 50869 | 50159 | 50338 | 0.93 | cps |
| Antimony | 121-1 | 740619 | 751554 | 742793 | 744989 | 0.78 | cps |
| Arsenic | 75-2 | 17087 | 17514 | 17771 | 17458 | 1.98 | cps |
| Barium | 135-1 | 794959 | 812401 | 805309 | 804223 | 1.09 | cps |
| Barium | 137-1 | 1369071 | 1407388 | 1399214 | 1391891 | 1.45 | cps |
| Beryllium | 9-1 | 206455 | 207969 | 206631 | 207018 | 0.40 | cps |
| Bismuth | 209-1 | 6197342 | 6258673 | 6117873 | 6191296 | 1.14 | cps |
| Bismuth | 209-2 | 2899782 | 2909125 | 2961971 | 2923626 | 1.15 | cps |
| Bromine | 81-1 | 22605 | 22929 | 22398 | 22644 | 1.18 | cps |
| Cadmium | 108-1 | 14785 | 14998 | 15208 | 14997 | 1.41 | cps |
| Cadmium | 106-1 | 27524 | 28038 | 27822 | 27795 | 0.93 | cps |
| Cadmium | 111-1 | 186504 | 192574 | 190789 | 189956 | 1.64 | cps |
| Calcium | 43-1 | 237232 | 237252 | 234911 | 236465 | 0.57 | cps |
| Calcium | 44-1 | 3859631 | 3859885 | 3783089 | 3834202 | 1.15 | cps |
| Carbon | 12-1 | 2852391 | 2835550 | 2875303 | 2854415 | 0.70 | cps |
| Carbon | 12-2 | 19156 | 18445 | 19076 | 18892 | 2.06 | cps |
| Chlorine | 35-1 | 128706 | 129136 | 129691 | 129177 | 0.38 | cps |
| Chlorine | 35-2 | 457 | 480 | 407 | 448 | 8.37 | cps |
| Chromium | 52-2 | 149398 | 148973 | 149880 | 149417 | 0.30 | cps |
| Cobalt | 59-2 | 284587 | 289625 | 287044 | 287085 | 0.88 | cps |
| Copper | 63-2 | 2364254 | 2353938 | 2310308 | 2342833 | 1.22 | cps |
| Dysprosium | 156-1 | 30 | 37 | 37 | 34 | 11.18 | cps |
| Dysprosium | 156-2 | 13 | 7 | 13 | 11 | 34.61 | cps |
| Erbium | 164-1 | 120 | 100 | 127 | 116 | 12.01 | cps |
| Erbium | 164-2 | 33 | 43 | 40 | 39 | 13.09 | cps |
| Gadolinium | 160-1 | 123 | 143 | 123 | 130 | 8.88 | cps |
| Gadolinium | 160-2 | 17 | 33 | 30 | 27 | 33.06 | cps |
| Holmium | 165-1 | 10211011 | 10213288 | 10166308 | 10196869 | 0.26 | cps |
| Holmium | 165-2 | 4081967 | 4067134 | 4028473 | 4059191 | 0.68 | cps |
| Indium | 115-1 | 9308742 | 9320433 | 9300996 | 9310057 | 0.11 | cps |
| Indium | 115-2 | 988699 | 990993 | 995733 | 991809 | 0.36 | cps |
| Iron | 54-2 | 314045 | 306250 | 311081 | 310459 | 1.27 | cps |
| Iron | 56-2 | 5845138 | 5763756 | 5593616 | 5734170 | 2.24 | cps |
| Iron | 57-2 | 144696 | 144026 | 142588 | 143770 | 0.75 | cps |
| Krypton | 83-1 | 233 | 237 | 200 | 223 | 9.08 | cps |
| Lead | 206-1 | 2436116 | 2428082 | 2333343 | 2399180 | 2.38 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S3 | Instrumnet Name : | P8 |
| Client Sample ID : | S3 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:37:13 | DataFile Name : | 007CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 2018156 | 2032635 | 1973082 | 2007958 | 1.55 | cps |
| Lead | 208-1 | 9416823 | 9427953 | 9173546 | 9339441 | 1.54 | cps |
| Lithium | 6-1 | 3633378 | 3668246 | 3695697 | 3665773 | 0.85 | cps |
| Magnesium | 24-2 | 897228 | 908426 | 905879 | 903845 | 0.65 | cps |
| Manganese | 55-2 | 635161 | 634289 | 632141 | 633864 | 0.25 | cps |
| Molybdenum | 94-1 | 2558370 | 2606654 | 2543844 | 2569623 | 1.28 | cps |
| Molybdenum | 95-1 | 3765161 | 3805583 | 3695409 | 3755384 | 1.48 | cps |
| Molybdenum | 96-1 | 4068599 | 4095263 | 4065078 | 4076313 | 0.40 | cps |
| Molybdenum | 97-1 | 2306011 | 2310838 | 2326930 | 2314593 | 0.47 | cps |
| Molybdenum | 98-1 | 5991383 | 5998442 | 5928260 | 5972695 | 0.65 | cps |
| Neodymium | 150-1 | 110 | 57 | 53 | 73 | 43.36 | cps |
| Neodymium | 150-2 | 3 | 10 | 13 | 9 | 57.30 | cps |
| Nickel | 60-2 | 80198 | 80925 | 79202 | 80108 | 1.08 | cps |
| Phosphorus | 31-2 | 2947 | 2940 | 2910 | 2933 | 0.67 | cps |
| Potassium | 39-2 | 296209 | 294998 | 294915 | 295374 | 0.25 | cps |
| Rhodium | 103-1 | 9073102 | 9010103 | 8873451 | 8985552 | 1.14 | cps |
| Rhodium | 103-2 | 3646534 | 3726382 | 3620420 | 3664446 | 1.51 | cps |
| Scandium | 45-1 | 6423378 | 6378299 | 6425273 | 6408983 | 0.41 | cps |
| Scandium | 45-2 | 119367 | 120211 | 119347 | 119642 | 0.41 | cps |
| Selenium | 82-1 | 12432 | 12392 | 12886 | 12570 | 2.18 | cps |
| Selenium | 77-2 | 217 | 233 | 223 | 224 | 3.74 | cps |
| Selenium | 78-2 | 897 | 770 | 767 | 811 | 9.14 | cps |
| Silicon | 28-1 | 5656296 | 5657461 | 5582063 | 5631940 | 0.77 | cps |
| Silver | 107-1 | 914079 | 939238 | 931747 | 928355 | 1.39 | cps |
| Silver | 109-1 | 858023 | 886726 | 885780 | 876843 | 1.86 | cps |
| Sodium | 23-2 | 1747920 | 1829202 | 1770305 | 1782476 | 2.36 | cps |
| Strontium | 86-1 | 227988 | 231628 | 232704 | 230773 | 1.07 | cps |
| Strontium | 88-1 | 2092414 | 2030819 | 2062399 | 2061877 | 1.49 | cps |
| Sulfur | 34-1 | 688063 | 683581 | 680254 | 683966 | 0.57 | cps |
| Terbium | 159-1 | 10947694 | 11068329 | 10820804 | 10945609 | 1.13 | cps |
| Terbium | 159-2 | 3943113 | 3984592 | 3975303 | 3967669 | 0.55 | cps |
| Thallium | 203-1 | 544355 | 560024 | 556457 | 553612 | 1.48 | cps |
| Thallium | 205-1 | 1317262 | 1328668 | 1323173 | 1323034 | 0.43 | cps |
| Tin | 118-1 | 572839 | 585141 | 578059 | 578680 | 1.07 | cps |
| Titanium | 47-1 | 1070114 | 1080948 | 1074901 | 1075321 | 0.50 | cps |
| Uranium | 238-1 | 1583728 | 1606781 | 1592862 | 1594457 | 0.73 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S3 | Instrumnet Name : | P8 |
| Client Sample ID : | S3 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:37:13 | DataFile Name : | 007CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 115163 | 115169 | 115280 | 115204 | 0.06 | cps |
| Ytterbium | 172-1 | 63 | 83 | 83 | 77 | 15.06 | cps |
| Ytterbium | 172-2 | 60 | 27 | 43 | 43 | 38.46 | cps |
| Ytterbium | 176-1 | 4351 | 4314 | 4214 | 4293 | 1.65 | cps |
| Ytterbium | 176-2 | 1587 | 1667 | 1327 | 1527 | 11.64 | cps |
| Yttrium | 89-1 | 17228874 | 17295666 | 17103597 | 17209379 | 0.57 | cps |
| Yttrium | 89-2 | 1281572 | 1278770 | 1290130 | 1283490 | 0.46 | cps |
| Zinc | 66-2 | 255826 | 255599 | 254451 | 255292 | 0.29 | cps |
| Zirconium | 90-1 | 1243254 | 1277210 | 1261907 | 1260790 | 1.35 | cps |
| Zirconium | 91-1 | 281567 | 283135 | 281848 | 282183 | 0.30 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S4 | Instrumnet Name : | P8 |
| Client Sample ID : | S4 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:41:56 | DataFile Name : | 008CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 122810 | 122598 | 121375 | 122261 | 0.63 | cps |
| Antimony | 121-1 | 1893268 | 1943714 | 1896503 | 1911161 | 1.48 | cps |
| Arsenic | 75-2 | 42052 | 41197 | 41601 | 41617 | 1.03 | cps |
| Barium | 135-1 | 1994363 | 2060647 | 2057184 | 2037398 | 1.83 | cps |
| Barium | 137-1 | 3390786 | 3502904 | 3644721 | 3512803 | 3.62 | cps |
| Beryllium | 9-1 | 494439 | 499611 | 500258 | 498103 | 0.64 | cps |
| Bismuth | 209-1 | 6198280 | 6141307 | 6303235 | 6214274 | 1.32 | cps |
| Bismuth | 209-2 | 2861857 | 2844550 | 2839110 | 2848506 | 0.42 | cps |
| Bromine | 81-1 | 21647 | 21280 | 20993 | 21306 | 1.54 | cps |
| Cadmium | 108-1 | 36044 | 37187 | 36565 | 36598 | 1.56 | cps |
| Cadmium | 106-1 | 57305 | 59260 | 58105 | 58223 | 1.69 | cps |
| Cadmium | 111-1 | 452414 | 465438 | 456991 | 458281 | 1.44 | cps |
| Calcium | 43-1 | 561065 | 569558 | 566039 | 565554 | 0.75 | cps |
| Calcium | 44-1 | 9051913 | 9194067 | 9110275 | 9118752 | 0.78 | cps |
| Carbon | 12-1 | 2817140 | 2794443 | 2778717 | 2796767 | 0.69 | cps |
| Carbon | 12-2 | 18962 | 18795 | 18732 | 18830 | 0.63 | cps |
| Chlorine | 35-1 | 128359 | 130471 | 129439 | 129423 | 0.82 | cps |
| Chlorine | 35-2 | 460 | 427 | 530 | 472 | 11.17 | cps |
| Chromium | 52-2 | 357317 | 358107 | 356339 | 357254 | 0.25 | cps |
| Cobalt | 59-2 | 685393 | 685610 | 681466 | 684157 | 0.34 | cps |
| Copper | 63-2 | 5525797 | 5542547 | 5482149 | 5516831 | 0.57 | cps |
| Dysprosium | 156-1 | 57 | 60 | 60 | 59 | 3.26 | cps |
| Dysprosium | 156-2 | 17 | 7 | 10 | 11 | 45.82 | cps |
| Erbium | 164-1 | 113 | 113 | 103 | 110 | 5.25 | cps |
| Erbium | 164-2 | 60 | 23 | 27 | 37 | 55.30 | cps |
| Gadolinium | 160-1 | 180 | 107 | 117 | 134 | 29.58 | cps |
| Gadolinium | 160-2 | 33 | 27 | 30 | 30 | 11.10 | cps |
| Holmium | 165-1 | 10283189 | 10362953 | 10578737 | 10408293 | 1.47 | cps |
| Holmium | 165-2 | 3930019 | 3980022 | 3956951 | 3955664 | 0.63 | cps |
| Indium | 115-1 | 9369677 | 9453470 | 9325688 | 9382945 | 0.69 | cps |
| Indium | 115-2 | 954847 | 961472 | 958842 | 958387 | 0.35 | cps |
| Iron | 54-2 | 751393 | 742675 | 733844 | 742637 | 1.18 | cps |
| Iron | 56-2 | 13877213 | 13923592 | 13608198 | 13803001 | 1.23 | cps |
| Iron | 57-2 | 341325 | 343384 | 346288 | 343666 | 0.73 | cps |
| Krypton | 83-1 | 213 | 177 | 237 | 209 | 14.48 | cps |
| Lead | 206-1 | 5847351 | 5959328 | 5998536 | 5935072 | 1.32 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S4 | Instrumnet Name : | P8 |
| Client Sample ID : | S4 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:41:56 | DataFile Name : | 008CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 4929768 | 5140254 | 5009034 | 5026352 | 2.11 | cps |
| Lead | 208-1 | 23103778 | 23180494 | 23225822 | 23170031 | 0.27 | cps |
| Lithium | 6-1 | 3634212 | 3597872 | 3595848 | 3609311 | 0.60 | cps |
| Magnesium | 24-2 | 2107546 | 2137317 | 2161340 | 2135401 | 1.26 | cps |
| Manganese | 55-2 | 1545879 | 1586058 | 1538954 | 1556964 | 1.63 | cps |
| Molybdenum | 94-1 | 6095984 | 6252869 | 6112596 | 6153817 | 1.40 | cps |
| Molybdenum | 95-1 | 9008571 | 9163371 | 8949517 | 9040486 | 1.22 | cps |
| Molybdenum | 96-1 | 9767012 | 9905336 | 9637357 | 9769902 | 1.37 | cps |
| Molybdenum | 97-1 | 5456653 | 5592926 | 5477521 | 5509034 | 1.33 | cps |
| Molybdenum | 98-1 | 14250361 | 14412003 | 14486919 | 14383094 | 0.84 | cps |
| Neodymium | 150-1 | 157 | 193 | 177 | 176 | 10.46 | cps |
| Neodymium | 150-2 | 13 | 10 | 13 | 12 | 15.73 | cps |
| Nickel | 60-2 | 189769 | 189938 | 189690 | 189799 | 0.07 | cps |
| Phosphorus | 31-2 | 6592 | 6492 | 6725 | 6603 | 1.77 | cps |
| Potassium | 39-2 | 680747 | 692553 | 692153 | 688484 | 0.97 | cps |
| Rhodium | 103-1 | 8673558 | 8803483 | 8626721 | 8701254 | 1.05 | cps |
| Rhodium | 103-2 | 3483461 | 3521354 | 3407656 | 3470824 | 1.67 | cps |
| Scandium | 45-1 | 6150614 | 6333247 | 6119737 | 6201199 | 1.86 | cps |
| Scandium | 45-2 | 115836 | 115822 | 116181 | 115946 | 0.18 | cps |
| Selenium | 82-1 | 29919 | 29642 | 30270 | 29944 | 1.05 | cps |
| Selenium | 77-2 | 543 | 540 | 507 | 530 | 3.83 | cps |
| Selenium | 78-2 | 1827 | 1917 | 1817 | 1853 | 2.97 | cps |
| Silicon | 28-1 | 12701072 | 12690983 | 12650607 | 12680887 | 0.21 | cps |
| Silver | 107-1 | 2369458 | 2436854 | 2341329 | 2382547 | 2.06 | cps |
| Silver | 109-1 | 2220703 | 2271702 | 2235467 | 2242624 | 1.17 | cps |
| Sodium | 23-2 | 4310850 | 4157919 | 4209290 | 4226020 | 1.84 | cps |
| Strontium | 86-1 | 553576 | 561592 | 555358 | 556842 | 0.76 | cps |
| Strontium | 88-1 | 4918581 | 4970196 | 4965089 | 4951289 | 0.57 | cps |
| Sulfur | 34-1 | 778006 | 777903 | 764307 | 773405 | 1.02 | cps |
| Terbium | 159-1 | 10959825 | 10995999 | 10639261 | 10865028 | 1.81 | cps |
| Terbium | 159-2 | 3918788 | 3936142 | 3862035 | 3905655 | 0.99 | cps |
| Thallium | 203-1 | 1360309 | 1397731 | 1394988 | 1384343 | 1.51 | cps |
| Thallium | 205-1 | 3339765 | 3358849 | 3483373 | 3393996 | 2.30 | cps |
| Tin | 118-1 | 1387765 | 1418029 | 1434431 | 1413408 | 1.67 | cps |
| Titanium | 47-1 | 2606020 | 2586462 | 2599236 | 2597239 | 0.38 | cps |
| Uranium | 238-1 | 4152528 | 4173784 | 4235593 | 4187302 | 1.03 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S4 | Instrumnet Name : | P8 |
| Client Sample ID : | S4 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:41:56 | DataFile Name : | 008CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 274182 | 275717 | 273556 | 274485 | 0.41 | cps |
| Ytterbium | 172-1 | 120 | 87 | 107 | 104 | 16.06 | cps |
| Ytterbium | 172-2 | 37 | 17 | 47 | 33 | 45.82 | cps |
| Ytterbium | 176-1 | 8640 | 8700 | 8469 | 8603 | 1.39 | cps |
| Ytterbium | 176-2 | 3174 | 3130 | 2934 | 3079 | 4.15 | cps |
| Yttrium | 89-1 | 17499608 | 16951446 | 17107627 | 17186227 | 1.64 | cps |
| Yttrium | 89-2 | 1225306 | 1246089 | 1243342 | 1238246 | 0.91 | cps |
| Zinc | 66-2 | 605857 | 610087 | 609455 | 608466 | 0.38 | cps |
| Zirconium | 90-1 | 3174144 | 3162855 | 3157420 | 3164807 | 0.27 | cps |
| Zirconium | 91-1 | 673671 | 690899 | 685834 | 683468 | 1.30 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S5 | Instrumnet Name : | P8 |
| Client Sample ID : | S5 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:44:58 | DataFile Name : | 009CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 241183 | 241988 | 241844 | 241672 | 0.18 | cps |
| Antimony | 121-1 | 3737659 | 3831842 | 3725540 | 3765013 | 1.55 | cps |
| Arsenic | 75-2 | 82882 | 82865 | 81504 | 82417 | 0.96 | cps |
| Barium | 135-1 | 4025159 | 4137902 | 4045972 | 4069678 | 1.47 | cps |
| Barium | 137-1 | 6841893 | 7117321 | 6972555 | 6977257 | 1.97 | cps |
| Beryllium | 9-1 | 962546 | 975305 | 973864 | 970572 | 0.72 | cps |
| Bismuth | 209-1 | 5966110 | 6106635 | 6169589 | 6080778 | 1.71 | cps |
| Bismuth | 209-2 | 2867435 | 2830733 | 2752794 | 2816987 | 2.08 | cps |
| Bromine | 81-1 | 21129 | 20889 | 20952 | 20990 | 0.59 | cps |
| Cadmium | 108-1 | 70861 | 73086 | 72315 | 72087 | 1.57 | cps |
| Cadmium | 106-1 | 108277 | 109036 | 110740 | 109351 | 1.15 | cps |
| Cadmium | 111-1 | 885869 | 896972 | 909627 | 897489 | 1.32 | cps |
| Calcium | 43-1 | 1112180 | 1111641 | 1127653 | 1117158 | 0.81 | cps |
| Calcium | 44-1 | 18071414 | 17933617 | 18207236 | 18070756 | 0.76 | cps |
| Carbon | 12-1 | 2778387 | 2766733 | 2768773 | 2771297 | 0.22 | cps |
| Carbon | 12-2 | 18992 | 18779 | 19476 | 19082 | 1.87 | cps |
| Chlorine | 35-1 | 130146 | 133176 | 131622 | 131648 | 1.15 | cps |
| Chlorine | 35-2 | 447 | 517 | 470 | 478 | 7.46 | cps |
| Chromium | 52-2 | 706742 | 713189 | 710974 | 710302 | 0.46 | cps |
| Cobalt | 59-2 | 1353521 | 1339781 | 1345807 | 1346370 | 0.51 | cps |
| Copper | 63-2 | 10857977 | 10733221 | 10833287 | 10808162 | 0.61 | cps |
| Dysprosium | 156-1 | 103 | 77 | 90 | 90 | 14.81 | cps |
| Dysprosium | 156-2 | 13 | 23 | 20 | 19 | 26.96 | cps |
| Erbium | 164-1 | 113 | 143 | 130 | 129 | 11.67 | cps |
| Erbium | 164-2 | 60 | 47 | 33 | 47 | 28.58 | cps |
| Gadolinium | 160-1 | 160 | 153 | 133 | 149 | 9.32 | cps |
| Gadolinium | 160-2 | 40 | 70 | 37 | 49 | 37.55 | cps |
| Holmium | 165-1 | 10410411 | 10514418 | 10484519 | 10469783 | 0.51 | cps |
| Holmium | 165-2 | 4040221 | 3958983 | 4055423 | 4018209 | 1.29 | cps |
| Indium | 115-1 | 9025494 | 9086642 | 8957294 | 9023143 | 0.72 | cps |
| Indium | 115-2 | 934362 | 930835 | 940468 | 935221 | 0.52 | cps |
| Iron | 54-2 | 1500956 | 1506239 | 1491684 | 1499626 | 0.49 | cps |
| Iron | 56-2 | 27234670 | 27215057 | 26986890 | 27145539 | 0.51 | cps |
| Iron | 57-2 | 678039 | 682483 | 670532 | 677018 | 0.89 | cps |
| Krypton | 83-1 | 230 | 213 | 200 | 214 | 7.01 | cps |
| Lead | 206-1 | 12009111 | 11849841 | 12063566 | 11974173 | 0.93 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S5 | Instrumnet Name : | P8 |
| Client Sample ID : | S5 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:44:58 | DataFile Name : | 009CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 10094745 | 10266465 | 10229740 | 10196983 | 0.89 | cps |
| Lead | 208-1 | 45844439 | 47058128 | 48010209 | 46970925 | 2.31 | cps |
| Lithium | 6-1 | 3515302 | 3514019 | 3458252 | 3495858 | 0.93 | cps |
| Magnesium | 24-2 | 4233685 | 4220558 | 4096211 | 4183485 | 1.81 | cps |
| Manganese | 55-2 | 3031324 | 3021292 | 3060409 | 3037675 | 0.67 | cps |
| Molybdenum | 94-1 | 12469053 | 12221763 | 12439889 | 12376902 | 1.09 | cps |
| Molybdenum | 95-1 | 17486489 | 17724734 | 18102434 | 17771219 | 1.75 | cps |
| Molybdenum | 96-1 | 19611336 | 19769828 | 19226764 | 19535976 | 1.43 | cps |
| Molybdenum | 97-1 | 11043420 | 10938952 | 11211287 | 11064553 | 1.24 | cps |
| Molybdenum | 98-1 | 28688951 | 28058800 | 28850544 | 28532765 | 1.47 | cps |
| Neodymium | 150-1 | 263 | 290 | 350 | 301 | 14.74 | cps |
| Neodymium | 150-2 | 30 | 27 | 27 | 28 | 6.92 | cps |
| Nickel | 60-2 | 374055 | 374785 | 371706 | 373515 | 0.43 | cps |
| Phosphorus | 31-2 | 13326 | 13363 | 13560 | 13416 | 0.94 | cps |
| Potassium | 39-2 | 1348484 | 1349859 | 1319234 | 1339192 | 1.29 | cps |
| Rhodium | 103-1 | 8458266 | 8376775 | 8486611 | 8440551 | 0.68 | cps |
| Rhodium | 103-2 | 3394529 | 3374646 | 3430532 | 3399902 | 0.83 | cps |
| Scandium | 45-1 | 5817766 | 5985509 | 5976485 | 5926587 | 1.59 | cps |
| Scandium | 45-2 | 114163 | 114679 | 113968 | 114270 | 0.32 | cps |
| Selenium | 82-1 | 59868 | 60434 | 60313 | 60205 | 0.49 | cps |
| Selenium | 77-2 | 1020 | 990 | 1050 | 1020 | 2.94 | cps |
| Selenium | 78-2 | 3727 | 3517 | 3560 | 3602 | 3.08 | cps |
| Silicon | 28-1 | 23462541 | 24422786 | 24130695 | 24005341 | 2.05 | cps |
| Silver | 107-1 | 4596231 | 4688535 | 4587348 | 4624038 | 1.21 | cps |
| Silver | 109-1 | 4253356 | 4332910 | 4432968 | 4339745 | 2.07 | cps |
| Sodium | 23-2 | 8378133 | 8509349 | 8416710 | 8434731 | 0.80 | cps |
| Strontium | 86-1 | 1103527 | 1116935 | 1115578 | 1112013 | 0.66 | cps |
| Strontium | 88-1 | 9724470 | 9946132 | 10023579 | 9898061 | 1.57 | cps |
| Sulfur | 34-1 | 937654 | 942177 | 928109 | 935980 | 0.77 | cps |
| Terbium | 159-1 | 10787204 | 10580766 | 10660005 | 10675991 | 0.98 | cps |
| Terbium | 159-2 | 3878020 | 3842144 | 3786978 | 3835714 | 1.20 | cps |
| Thallium | 203-1 | 2992775 | 2966799 | 2922429 | 2960668 | 1.20 | cps |
| Thallium | 205-1 | 6718203 | 6939141 | 7026022 | 6894456 | 2.30 | cps |
| Tin | 118-1 | 2884865 | 2869887 | 2946128 | 2900293 | 1.39 | cps |
| Titanium | 47-1 | 5069174 | 4982203 | 5029514 | 5026964 | 0.87 | cps |
| Uranium | 238-1 | 8242317 | 8606354 | 8696769 | 8515146 | 2.83 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S5 | Instrumnet Name : | P8 |
| Client Sample ID : | S5 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:44:58 | DataFile Name : | 009CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 544205 | 544419 | 547996 | 545540 | 0.39 | cps |
| Ytterbium | 172-1 | 137 | 163 | 157 | 152 | 9.12 | cps |
| Ytterbium | 172-2 | 63 | 80 | 63 | 69 | 13.97 | cps |
| Ytterbium | 176-1 | 14882 | 15045 | 15846 | 15258 | 3.38 | cps |
| Ytterbium | 176-2 | 5678 | 5555 | 5938 | 5724 | 3.42 | cps |
| Yttrium | 89-1 | 16646189 | 16622193 | 16896596 | 16721659 | 0.91 | cps |
| Yttrium | 89-2 | 1216372 | 1218275 | 1230482 | 1221710 | 0.63 | cps |
| Zinc | 66-2 | 1195195 | 1201908 | 1194834 | 1197312 | 0.33 | cps |
| Zirconium | 90-1 | 6244404 | 6417277 | 6223708 | 6295130 | 1.69 | cps |
| Zirconium | 91-1 | 1340909 | 1366250 | 1366739 | 1357966 | 1.09 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S6 | Instrumnet Name : | P8 |
| Client Sample ID : | S6 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:48:00 | DataFile Name : | 010CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 461893 | 471683 | 467612 | 467062 | 1.05 | cps |
| Antimony | 121-1 | 7397911 | 7339233 | 7470876 | 7402673 | 0.89 | cps |
| Arsenic | 75-2 | 157745 | 160496 | 160226 | 159489 | 0.95 | cps |
| Barium | 135-1 | 7985674 | 7989278 | 8004731 | 7993228 | 0.13 | cps |
| Barium | 137-1 | 13593516 | 13704853 | 13620552 | 13639640 | 0.43 | cps |
| Beryllium | 9-1 | 1740823 | 1739651 | 1737308 | 1739261 | 0.10 | cps |
| Bismuth | 209-1 | 5932434 | 5984931 | 6068347 | 5995238 | 1.14 | cps |
| Bismuth | 209-2 | 2632002 | 2698982 | 2727504 | 2686163 | 1.83 | cps |
| Bromine | 81-1 | 20034 | 20675 | 20599 | 20436 | 1.71 | cps |
| Cadmium | 108-1 | 137343 | 139821 | 139891 | 139019 | 1.04 | cps |
| Cadmium | 106-1 | 202175 | 207052 | 207721 | 205649 | 1.47 | cps |
| Cadmium | 111-1 | 1812423 | 1763575 | 1802519 | 1792839 | 1.44 | cps |
| Calcium | 43-1 | 2161615 | 2124990 | 2137673 | 2141426 | 0.87 | cps |
| Calcium | 44-1 | 35141863 | 34875112 | 34992163 | 35003046 | 0.38 | cps |
| Carbon | 12-1 | 2781228 | 2804453 | 2773753 | 2786478 | 0.57 | cps |
| Carbon | 12-2 | 19563 | 19166 | 19249 | 19326 | 1.08 | cps |
| Chlorine | 35-1 | 138542 | 140120 | 141783 | 140148 | 1.16 | cps |
| Chlorine | 35-2 | 423 | 533 | 597 | 518 | 16.94 | cps |
| Chromium | 52-2 | 1383613 | 1379774 | 1396338 | 1386575 | 0.63 | cps |
| Cobalt | 59-2 | 2716544 | 2683260 | 2667947 | 2689250 | 0.92 | cps |
| Copper | 63-2 | 21123917 | 20822398 | 20547813 | 20831376 | 1.38 | cps |
| Dysprosium | 156-1 | 160 | 233 | 227 | 207 | 19.62 | cps |
| Dysprosium | 156-2 | 33 | 37 | 33 | 34 | 5.60 | cps |
| Erbium | 164-1 | 193 | 220 | 227 | 213 | 8.27 | cps |
| Erbium | 164-2 | 67 | 83 | 50 | 67 | 25.00 | cps |
| Gadolinium | 160-1 | 173 | 193 | 207 | 191 | 8.78 | cps |
| Gadolinium | 160-2 | 50 | 40 | 50 | 47 | 12.37 | cps |
| Holmium | 165-1 | 9916382 | 10309912 | 10393661 | 10206652 | 2.50 | cps |
| Holmium | 165-2 | 3845401 | 3978932 | 3935450 | 3919928 | 1.74 | cps |
| Indium | 115-1 | 8661740 | 8800615 | 8788279 | 8750211 | 0.88 | cps |
| Indium | 115-2 | 886200 | 897519 | 885061 | 889593 | 0.77 | cps |
| Iron | 54-2 | 2851052 | 2933903 | 2880829 | 2888595 | 1.45 | cps |
| Iron | 56-2 | 51812703 | 52007761 | 52745614 | 52188693 | 0.94 | cps |
| Iron | 57-2 | 1290738 | 1309494 | 1304681 | 1301637 | 0.75 | cps |
| Krypton | 83-1 | 220 | 203 | 277 | 233 | 16.47 | cps |
| Lead | 206-1 | 22903900 | 23098915 | 23188663 | 23063826 | 0.63 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S6 | Instrumnet Name : | P8 |
| Client Sample ID : | S6 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:48:00 | DataFile Name : | 010CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 19280982 | 20135668 | 19872585 | 19763078 | 2.21 | cps |
| Lead | 208-1 | 89655322 | 92232131 | 91075332 | 90987595 | 1.42 | cps |
| Lithium | 6-1 | 3376777 | 3433713 | 3466213 | 3425568 | 1.32 | cps |
| Magnesium | 24-2 | 8175765 | 8152303 | 8201611 | 8176560 | 0.30 | cps |
| Manganese | 55-2 | 5737841 | 5756373 | 5698849 | 5731021 | 0.51 | cps |
| Molybdenum | 94-1 | 24316888 | 24321515 | 24646916 | 24428440 | 0.77 | cps |
| Molybdenum | 95-1 | 35155639 | 35135432 | 35364091 | 35218388 | 0.36 | cps |
| Molybdenum | 96-1 | 37604965 | 38117878 | 38463118 | 38061987 | 1.13 | cps |
| Molybdenum | 97-1 | 21118986 | 21858776 | 21459319 | 21479027 | 1.72 | cps |
| Molybdenum | 98-1 | 56455927 | 57665071 | 57673787 | 57264929 | 1.22 | cps |
| Neodymium | 150-1 | 640 | 617 | 583 | 613 | 4.64 | cps |
| Neodymium | 150-2 | 53 | 40 | 40 | 44 | 17.32 | cps |
| Nickel | 60-2 | 709691 | 718475 | 706357 | 711508 | 0.88 | cps |
| Phosphorus | 31-2 | 25669 | 25626 | 26384 | 25893 | 1.64 | cps |
| Potassium | 39-2 | 2611433 | 2627413 | 2590036 | 2609627 | 0.72 | cps |
| Rhodium | 103-1 | 7890544 | 8162561 | 8207051 | 8086719 | 2.12 | cps |
| Rhodium | 103-2 | 3287289 | 3336997 | 3258515 | 3294267 | 1.21 | cps |
| Scandium | 45-1 | 5714317 | 5941637 | 5905147 | 5853700 | 2.09 | cps |
| Scandium | 45-2 | 111014 | 109910 | 109910 | 110278 | 0.58 | cps |
| Selenium | 82-1 | 113120 | 115032 | 116128 | 114760 | 1.33 | cps |
| Selenium | 77-2 | 2154 | 2023 | 2147 | 2108 | 3.47 | cps |
| Selenium | 78-2 | 7115 | 7145 | 7085 | 7115 | 0.42 | cps |
| Silicon | 28-1 | 46050403 | 45450193 | 45572508 | 45691034 | 0.69 | cps |
| Silver | 107-1 | 9003668 | 8996138 | 8725551 | 8908453 | 1.78 | cps |
| Silver | 109-1 | 8324750 | 8262585 | 8378284 | 8321873 | 0.70 | cps |
| Sodium | 23-2 | 15911902 | 16064736 | 16706609 | 16227749 | 2.60 | cps |
| Strontium | 86-1 | 2212363 | 2212479 | 2260608 | 2228483 | 1.25 | cps |
| Strontium | 88-1 | 18503002 | 19112435 | 19348114 | 18987850 | 2.30 | cps |
| Sulfur | 34-1 | 1108554 | 1085373 | 1076592 | 1090173 | 1.51 | cps |
| Terbium | 159-1 | 10760459 | 10659696 | 10672208 | 10697454 | 0.51 | cps |
| Terbium | 159-2 | 3658581 | 3728930 | 3683746 | 3690419 | 0.97 | cps |
| Thallium | 203-1 | 5631847 | 5751409 | 5720781 | 5701346 | 1.09 | cps |
| Thallium | 205-1 | 13293324 | 13122129 | 13363104 | 13259519 | 0.94 | cps |
| Tin | 118-1 | 5453655 | 5531262 | 5654002 | 5546306 | 1.82 | cps |
| Titanium | 47-1 | 9859734 | 9607562 | 9758218 | 9741838 | 1.30 | cps |
| Uranium | 238-1 | 16483000 | 17074006 | 16594348 | 16717118 | 1.88 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S6 | Instrumnet Name : | P8 |
| Client Sample ID : | S6 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:48:00 | DataFile Name : | 010CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 1058253 | 1055948 | 1059135 | 1057778 | 0.16 | cps |
| Ytterbium | 172-1 | 230 | 203 | 223 | 219 | 6.34 | cps |
| Ytterbium | 172-2 | 100 | 87 | 93 | 93 | 7.14 | cps |
| Ytterbium | 176-1 | 27993 | 28534 | 29607 | 28711 | 2.86 | cps |
| Ytterbium | 176-2 | 10724 | 10704 | 10614 | 10681 | 0.55 | cps |
| Yttrium | 89-1 | 15987766 | 16458282 | 16421967 | 16289339 | 1.61 | cps |
| Yttrium | 89-2 | 1176184 | 1189236 | 1169139 | 1178186 | 0.87 | cps |
| Zinc | 66-2 | 2375965 | 2395215 | 2364029 | 2378403 | 0.66 | cps |
| Zirconium | 90-1 | 12258173 | 12276554 | 12267838 | 12267522 | 0.07 | cps |
| Zirconium | 91-1 | 2730503 | 2755175 | 2752752 | 2746143 | 0.50 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S7 | Instrumnet Name : | P8 |
| Client Sample ID : | S7 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:50:45 | DataFile Name : | 011CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 903597 | 921514 | 909092 | 911401 | 1.01 | cps |
| Antimony | 121-1 | 14095904 | 14506166 | 14529036 | 14377035 | 1.70 | cps |
| Arsenic | 75-2 | 307370 | 310847 | 308596 | 308938 | 0.57 | cps |
| Barium | 135-1 | 15240488 | 15263631 | 15386144 | 15296754 | 0.51 | cps |
| Barium | 137-1 | 25148110 | 26639819 | 26313839 | 26033923 | 3.01 | cps |
| Beryllium | 9-1 | 3281733 | 3384260 | 3361402 | 3342465 | 1.61 | cps |
| Bismuth | 209-1 | 5678472 | 5795661 | 5889280 | 5787804 | 1.82 | cps |
| Bismuth | 209-2 | 2537342 | 2624453 | 2562586 | 2574794 | 1.74 | cps |
| Bromine | 81-1 | 21086 | 19984 | 20415 | 20495 | 2.71 | cps |
| Cadmium | 108-1 | 264094 | 265286 | 268500 | 265960 | 0.86 | cps |
| Cadmium | 106-1 | 381609 | 390934 | 389187 | 387243 | 1.28 | cps |
| Cadmium | 111-1 | 3351575 | 3421192 | 3455511 | 3409426 | 1.55 | cps |
| Calcium | 43-1 | 3912756 | 4146293 | 4103955 | 4054335 | 3.07 | cps |
| Calcium | 44-1 | 65585847 | 68503414 | 68059457 | 67382906 | 2.33 | cps |
| Carbon | 12-1 | 2808955 | 2871140 | 2853110 | 2844401 | 1.12 | cps |
| Carbon | 12-2 | 20311 | 20615 | 20434 | 20453 | 0.75 | cps |
| Chlorine | 35-1 | 158208 | 162699 | 163711 | 161539 | 1.81 | cps |
| Chlorine | 35-2 | 663 | 683 | 620 | 656 | 4.94 | cps |
| Chromium | 52-2 | 2754050 | 2724880 | 2710521 | 2729817 | 0.81 | cps |
| Cobalt | 59-2 | 5094676 | 5100854 | 4978750 | 5058094 | 1.36 | cps |
| Copper | 63-2 | 39443551 | 39322132 | 39863507 | 39543063 | 0.72 | cps |
| Dysprosium | 156-1 | 410 | 407 | 487 | 434 | 10.42 | cps |
| Dysprosium | 156-2 | 37 | 83 | 73 | 64 | 38.12 | cps |
| Erbium | 164-1 | 323 | 307 | 293 | 308 | 4.88 | cps |
| Erbium | 164-2 | 110 | 120 | 90 | 107 | 14.32 | cps |
| Gadolinium | 160-1 | 263 | 257 | 257 | 259 | 1.49 | cps |
| Gadolinium | 160-2 | 123 | 93 | 100 | 106 | 14.93 | cps |
| Holmium | 165-1 | 9943545 | 10295807 | 10115342 | 10118231 | 1.74 | cps |
| Holmium | 165-2 | 3765567 | 3764237 | 3825008 | 3784937 | 0.92 | cps |
| Indium | 115-1 | 8013693 | 8261294 | 8323302 | 8199430 | 2.00 | cps |
| Indium | 115-2 | 826448 | 848196 | 843489 | 839378 | 1.36 | cps |
| Iron | 54-2 | 5503058 | 5534072 | 5598191 | 5545107 | 0.87 | cps |
| Iron | 56-2 | 101999652 | 100968975 | 98234599 | 100401075 | 1.94 | cps |
| Iron | 57-2 | 2550081 | 2618506 | 2628950 | 2599179 | 1.65 | cps |
| Krypton | 83-1 | 227 | 243 | 267 | 246 | 8.18 | cps |
| Lead | 206-1 | 44532323 | 45041624 | 45473889 | 45015945 | 1.05 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S7 | Instrumnet Name : | P8 |
| Client Sample ID : | S7 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:50:45 | DataFile Name : | 011CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 36959442 | 39170550 | 38235931 | 38121974 | 2.91 | cps |
| Lead | 208-1 | 171956300 | 179502646 | 179224029 | 176894325 | 2.42 | cps |
| Lithium | 6-1 | 3286309 | 3252108 | 3289533 | 3275983 | 0.63 | cps |
| Magnesium | 24-2 | 15824319 | 15662516 | 15838567 | 15775134 | 0.62 | cps |
| Manganese | 55-2 | 11318057 | 11336763 | 11336131 | 11330317 | 0.09 | cps |
| Molybdenum | 94-1 | 46578463 | 48202329 | 47693854 | 47491549 | 1.75 | cps |
| Molybdenum | 95-1 | 67365464 | 68413051 | 67997156 | 67925223 | 0.78 | cps |
| Molybdenum | 96-1 | 74404267 | 75651317 | 75200864 | 75085483 | 0.84 | cps |
| Molybdenum | 97-1 | 40551033 | 42881664 | 42242669 | 41891789 | 2.87 | cps |
| Molybdenum | 98-1 | 106456022 | 110272625 | 108155785 | 108294811 | 1.77 | cps |
| Neodymium | 150-1 | 1197 | 1160 | 1150 | 1169 | 2.10 | cps |
| Neodymium | 150-2 | 60 | 87 | 63 | 70 | 20.76 | cps |
| Nickel | 60-2 | 1356039 | 1338954 | 1351070 | 1348687 | 0.65 | cps |
| Phosphorus | 31-2 | 50521 | 50896 | 50467 | 50628 | 0.46 | cps |
| Potassium | 39-2 | 4980913 | 4924949 | 4987339 | 4964400 | 0.69 | cps |
| Rhodium | 103-1 | 7723323 | 7990422 | 7759767 | 7824504 | 1.85 | cps |
| Rhodium | 103-2 | 3080389 | 3147319 | 3148107 | 3125272 | 1.24 | cps |
| Scandium | 45-1 | 5684718 | 5697419 | 5717348 | 5699828 | 0.29 | cps |
| Scandium | 45-2 | 108774 | 109906 | 111079 | 109920 | 1.05 | cps |
| Selenium | 82-1 | 220050 | 222062 | 221845 | 221319 | 0.50 | cps |
| Selenium | 77-2 | 3931 | 3871 | 3854 | 3885 | 1.04 | cps |
| Selenium | 78-2 | 13427 | 13203 | 13083 | 13237 | 1.32 | cps |
| Silicon | 28-1 | 88576169 | 87873849 | 87336499 | 87928839 | 0.71 | cps |
| Silver | 107-1 | 16899894 | 16881159 | 17139993 | 16973682 | 0.85 | cps |
| Silver | 109-1 | 15818885 | 15593258 | 16058750 | 15823631 | 1.47 | cps |
| Sodium | 23-2 | 31118637 | 31061711 | 31848468 | 31342939 | 1.40 | cps |
| Strontium | 86-1 | 4278195 | 4309667 | 4351236 | 4313033 | 0.85 | cps |
| Strontium | 88-1 | 36784895 | 37904514 | 38087411 | 37592273 | 1.88 | cps |
| Sulfur | 34-1 | 1607951 | 1627198 | 1595323 | 1610157 | 1.00 | cps |
| Terbium | 159-1 | 10579932 | 10381889 | 10369269 | 10443696 | 1.13 | cps |
| Terbium | 159-2 | 3690991 | 3700863 | 3649713 | 3680522 | 0.74 | cps |
| Thallium | 203-1 | 10925334 | 11015969 | 11035945 | 10992416 | 0.54 | cps |
| Thallium | 205-1 | 25853470 | 25805476 | 27012940 | 26223962 | 2.61 | cps |
| Tin | 118-1 | 10721390 | 10934427 | 10886704 | 10847507 | 1.03 | cps |
| Titanium | 47-1 | 18723676 | 19240363 | 19282494 | 19082177 | 1.63 | cps |
| Uranium | 238-1 | 31715606 | 33402580 | 33260401 | 32792863 | 2.85 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S7 | Instrumnet Name : | P8 |
| Client Sample ID : | S7 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:50:45 | DataFile Name : | 011CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 2036357 | 2097325 | 2087666 | 2073782 | 1.58 | cps |
| Ytterbium | 172-1 | 323 | 333 | 287 | 314 | 7.81 | cps |
| Ytterbium | 172-2 | 160 | 143 | 147 | 150 | 5.88 | cps |
| Ytterbium | 176-1 | 54261 | 55513 | 55024 | 54933 | 1.15 | cps |
| Ytterbium | 176-2 | 20953 | 20893 | 20623 | 20823 | 0.85 | cps |
| Yttrium | 89-1 | 15603284 | 15936139 | 16113537 | 15884320 | 1.63 | cps |
| Yttrium | 89-2 | 1132436 | 1161736 | 1167567 | 1153913 | 1.63 | cps |
| Zinc | 66-2 | 4559867 | 4468743 | 4470675 | 4499762 | 1.16 | cps |
| Zirconium | 90-1 | 23264300 | 24159361 | 23934161 | 23785941 | 1.96 | cps |
| Zirconium | 91-1 | 5164035 | 5297478 | 5294215 | 5251909 | 1.45 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S8 | Instrumnet Name : | P8 |
| Client Sample ID : | S8 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:53:32 | DataFile Name : | 012CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4195827 | 4179821 | 4234363 | 4203337 | 0.67 | cps |
| Antimony | 121-1 | 8199 | 7799 | 7535 | 7845 | 4.26 | cps |
| Arsenic | 75-2 | 113 | 130 | 133 | 126 | 8.53 | cps |
| Barium | 135-1 | 7125 | 7099 | 6792 | 7005 | 2.65 | cps |
| Barium | 137-1 | 12619 | 11792 | 12002 | 12138 | 3.54 | cps |
| Beryllium | 9-1 | 862 | 727 | 637 | 742 | 15.25 | cps |
| Bismuth | 209-1 | 5316740 | 5335737 | 5280113 | 5310864 | 0.53 | cps |
| Bismuth | 209-2 | 2397240 | 2342885 | 2378642 | 2372922 | 1.16 | cps |
| Bromine | 81-1 | 20488 | 20438 | 19774 | 20234 | 1.97 | cps |
| Cadmium | 108-1 | 190 | 127 | 123 | 147 | 25.61 | cps |
| Cadmium | 106-1 | 5434 | 5598 | 5264 | 5432 | 3.07 | cps |
| Cadmium | 111-1 | 4278 | 4430 | 4205 | 4304 | 2.66 | cps |
| Calcium | 43-1 | 20179142 | 20029206 | 19899315 | 20035888 | 0.70 | cps |
| Calcium | 44-1 | 327911415 | 330711455 | 318947809 | 325856893 | 1.89 | cps |
| Carbon | 12-1 | 2536691 | 2535857 | 2534486 | 2535678 | 0.04 | cps |
| Carbon | 12-2 | 22120 | 22157 | 22310 | 22196 | 0.45 | cps |
| Chlorine | 35-1 | 120953 | 121178 | 120816 | 120982 | 0.15 | cps |
| Chlorine | 35-2 | 393 | 393 | 457 | 414 | 8.82 | cps |
| Chromium | 52-2 | 3994 | 4047 | 3904 | 3982 | 1.82 | cps |
| Cobalt | 59-2 | 5688 | 5788 | 5655 | 5710 | 1.22 | cps |
| Copper | 63-2 | 6732 | 6608 | 6575 | 6638 | 1.24 | cps |
| Dysprosium | 156-1 | 753 | 673 | 753 | 727 | 6.36 | cps |
| Dysprosium | 156-2 | 243 | 203 | 150 | 199 | 23.54 | cps |
| Erbium | 164-1 | 1423 | 1367 | 1273 | 1355 | 5.59 | cps |
| Erbium | 164-2 | 497 | 523 | 513 | 511 | 2.64 | cps |
| Gadolinium | 160-1 | 697 | 723 | 770 | 730 | 5.08 | cps |
| Gadolinium | 160-2 | 333 | 320 | 283 | 312 | 8.29 | cps |
| Holmium | 165-1 | 9765137 | 9678633 | 9746055 | 9729942 | 0.47 | cps |
| Holmium | 165-2 | 3676072 | 3699457 | 3752507 | 3709345 | 1.06 | cps |
| Indium | 115-1 | 7996929 | 7797325 | 7906836 | 7900363 | 1.27 | cps |
| Indium | 115-2 | 822817 | 823055 | 828725 | 824866 | 0.41 | cps |
| Iron | 54-2 | 25658324 | 25171901 | 25237906 | 25356044 | 1.04 | cps |
| Iron | 56-2 | 473122833 | 477490460 | 470367940 | 473660411 | 0.76 | cps |
| Iron | 57-2 | 11994894 | 12002086 | 12034915 | 12010632 | 0.18 | cps |
| Krypton | 83-1 | 223 | 283 | 230 | 246 | 13.39 | cps |
| Lead | 206-1 | 32136 | 32293 | 31712 | 32047 | 0.94 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S8 | Instrumnet Name : | P8 |
| Client Sample ID : | S8 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:53:32 | DataFile Name : | 012CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 27850 | 27422 | 27202 | 27491 | 1.20 | cps |
| Lead | 208-1 | 126620 | 126755 | 125893 | 126423 | 0.37 | cps |
| Lithium | 6-1 | 3064796 | 3019901 | 3035248 | 3039982 | 0.75 | cps |
| Magnesium | 24-2 | 72947029 | 71890907 | 72992404 | 72610113 | 0.86 | cps |
| Manganese | 55-2 | 5064 | 4711 | 4774 | 4850 | 3.89 | cps |
| Molybdenum | 94-1 | 13073 | 12125 | 11922 | 12373 | 4.96 | cps |
| Molybdenum | 95-1 | 9737 | 8816 | 7849 | 8801 | 10.73 | cps |
| Molybdenum | 96-1 | 16703 | 15372 | 14881 | 15652 | 6.02 | cps |
| Molybdenum | 97-1 | 5695 | 5188 | 4874 | 5252 | 7.88 | cps |
| Molybdenum | 98-1 | 14798 | 12936 | 12322 | 13352 | 9.66 | cps |
| Neodymium | 150-1 | 237 | 240 | 310 | 262 | 15.79 | cps |
| Neodymium | 150-2 | 80 | 90 | 93 | 88 | 7.90 | cps |
| Nickel | 60-2 | 3390 | 3264 | 3407 | 3354 | 2.34 | cps |
| Phosphorus | 31-2 | 100 | 60 | 90 | 83 | 24.98 | cps |
| Potassium | 39-2 | 23276853 | 23149493 | 23141338 | 23189228 | 0.33 | cps |
| Rhodium | 103-1 | 7136797 | 7323570 | 7066951 | 7175772 | 1.85 | cps |
| Rhodium | 103-2 | 2859818 | 2888523 | 2862741 | 2870361 | 0.55 | cps |
| Scandium | 45-1 | 5488807 | 5535009 | 5414465 | 5479427 | 1.11 | cps |
| Scandium | 45-2 | 102821 | 102506 | 102116 | 102481 | 0.34 | cps |
| Selenium | 82-1 | 310 | 203 | 163 | 226 | 33.61 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 43 | 17 | 47 | 36 | 46.24 | cps |
| Silicon | 28-1 | 647641 | 598559 | 582361 | 609520 | 5.58 | cps |
| Silver | 107-1 | 1907 | 1740 | 1663 | 1770 | 7.03 | cps |
| Silver | 109-1 | 1707 | 1683 | 1310 | 1567 | 14.21 | cps |
| Sodium | 23-2 | 145452341 | 145175878 | 144616685 | 145081635 | 0.29 | cps |
| Strontium | 86-1 | 14448 | 14384 | 13790 | 14207 | 2.55 | cps |
| Strontium | 88-1 | 124906 | 123073 | 122841 | 123607 | 0.92 | cps |
| Sulfur | 34-1 | 491545 | 491711 | 490890 | 491382 | 0.09 | cps |
| Terbium | 159-1 | 10102195 | 10061923 | 9853491 | 10005870 | 1.33 | cps |
| Terbium | 159-2 | 3570532 | 3576572 | 3584967 | 3577357 | 0.20 | cps |
| Thallium | 203-1 | 1123 | 873 | 873 | 957 | 15.09 | cps |
| Thallium | 205-1 | 2464 | 2287 | 2094 | 2281 | 8.11 | cps |
| Tin | 118-1 | 4165 | 3400 | 3364 | 3643 | 12.42 | cps |
| Titanium | 47-1 | 2200 | 2100 | 1997 | 2099 | 4.84 | cps |
| Uranium | 238-1 | 1883 | 1660 | 1423 | 1656 | 13.90 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | S8 | Instrumnet Name : | P8 |
| Client Sample ID : | S8 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 12:53:32 | DataFile Name : | 012CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 520 | 503 | 517 | 513 | 1.72 | cps |
| Ytterbium | 172-1 | 997 | 1030 | 930 | 986 | 5.17 | cps |
| Ytterbium | 172-2 | 497 | 507 | 457 | 487 | 5.44 | cps |
| Ytterbium | 176-1 | 2054 | 1900 | 2174 | 2042 | 6.71 | cps |
| Ytterbium | 176-2 | 587 | 600 | 543 | 577 | 5.14 | cps |
| Yttrium | 89-1 | 15164889 | 15448830 | 15221466 | 15278395 | 0.98 | cps |
| Yttrium | 89-2 | 1102307 | 1108158 | 1095607 | 1102024 | 0.57 | cps |
| Zinc | 66-2 | 19176 | 18732 | 19060 | 18989 | 1.21 | cps |
| Zirconium | 90-1 | 19991 | 19010 | 19494 | 19498 | 2.52 | cps |
| Zirconium | 91-1 | 4281 | 4191 | 4534 | 4335 | 4.11 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICV01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:26:41 | DataFile Name : | 013ICV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 22995 | 22618 | 22087 | 22567 | 2.02 | cps |
| Antimony | 121-1 | 2838092 | 2847830 | 2964883 | 2883602 | 2.45 | cps |
| Arsenic | 75-2 | 65002 | 64654 | 64781 | 64813 | 0.27 | cps |
| Barium | 135-1 | 299271 | 309201 | 308833 | 305768 | 1.84 | cps |
| Barium | 137-1 | 518731 | 520716 | 536294 | 525247 | 1.83 | cps |
| Beryllium | 9-1 | 385766 | 390373 | 393637 | 389925 | 1.01 | cps |
| Bismuth | 209-1 | 6061898 | 6132298 | 6193550 | 6129249 | 1.07 | cps |
| Bismuth | 209-2 | 2898303 | 2922568 | 3001394 | 2940755 | 1.83 | cps |
| Bromine | 81-1 | 21203 | 21016 | 21350 | 21189 | 0.79 | cps |
| Cadmium | 108-1 | 22455 | 22973 | 23650 | 23026 | 2.60 | cps |
| Cadmium | 106-1 | 36241 | 36241 | 37635 | 36705 | 2.19 | cps |
| Cadmium | 111-1 | 345321 | 345797 | 352084 | 347734 | 1.09 | cps |
| Calcium | 43-1 | 82176 | 84879 | 85036 | 84030 | 1.91 | cps |
| Calcium | 44-1 | 1348674 | 1396815 | 1407925 | 1384471 | 2.27 | cps |
| Carbon | 12-1 | 2722925 | 2817272 | 2851119 | 2797105 | 2.38 | cps |
| Carbon | 12-2 | 19096 | 19039 | 18735 | 18957 | 1.02 | cps |
| Chlorine | 35-1 | 136167 | 139003 | 141426 | 138865 | 1.90 | cps |
| Chlorine | 35-2 | 580 | 543 | 457 | 527 | 12.03 | cps |
| Chromium | 52-2 | 282921 | 282878 | 282289 | 282696 | 0.13 | cps |
| Cobalt | 59-2 | 547200 | 548700 | 547031 | 547644 | 0.17 | cps |
| Copper | 63-2 | 436356 | 437634 | 435850 | 436613 | 0.21 | cps |
| Dysprosium | 156-1 | 30 | 17 | 10 | 19 | 53.91 | cps |
| Dysprosium | 156-2 | 7 | 0 | 0 | 2 | 173.21 | cps |
| Erbium | 164-1 | 93 | 120 | 80 | 98 | 20.83 | cps |
| Erbium | 164-2 | 13 | 30 | 27 | 23 | 37.81 | cps |
| Gadolinium | 160-1 | 90 | 100 | 87 | 92 | 7.52 | cps |
| Gadolinium | 160-2 | 17 | 20 | 33 | 23 | 37.78 | cps |
| Holmium | 165-1 | 10032070 | 10501544 | 10266623 | 10266746 | 2.29 | cps |
| Holmium | 165-2 | 4050602 | 3985213 | 3982091 | 4005969 | 0.97 | cps |
| Indium | 115-1 | 8956058 | 8981813 | 9197618 | 9045163 | 1.47 | cps |
| Indium | 115-2 | 978142 | 976092 | 975685 | 976640 | 0.13 | cps |
| Iron | 54-2 | 234871 | 233584 | 234451 | 234302 | 0.28 | cps |
| Iron | 56-2 | 4206062 | 4245478 | 4296891 | 4249477 | 1.07 | cps |
| Iron | 57-2 | 105225 | 105553 | 103647 | 104808 | 0.97 | cps |
| Krypton | 83-1 | 187 | 190 | 190 | 189 | 1.02 | cps |
| Lead | 206-1 | 1911461 | 1959113 | 1941051 | 1937208 | 1.24 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICV01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:26:41 | DataFile Name : | 013ICV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 1493560 | 1538678 | 1559810 | 1530683 | 2.21 | cps |
| Lead | 208-1 | 7376482 | 7557741 | 7506861 | 7480361 | 1.25 | cps |
| Lithium | 6-1 | 3592364 | 3582055 | 3543285 | 3572568 | 0.72 | cps |
| Magnesium | 24-2 | 191358 | 191049 | 192582 | 191663 | 0.42 | cps |
| Manganese | 55-2 | 122463 | 121256 | 120437 | 121385 | 0.84 | cps |
| Molybdenum | 94-1 | 810 | 847 | 827 | 828 | 2.22 | cps |
| Molybdenum | 95-1 | 307 | 360 | 283 | 317 | 12.41 | cps |
| Molybdenum | 96-1 | 597 | 583 | 623 | 601 | 3.39 | cps |
| Molybdenum | 97-1 | 253 | 217 | 223 | 231 | 8.45 | cps |
| Molybdenum | 98-1 | 530 | 563 | 667 | 587 | 12.15 | cps |
| Neodymium | 150-1 | 13 | 17 | 40 | 23 | 62.27 | cps |
| Neodymium | 150-2 | 3 | 3 | 0 | 2 | 86.60 | cps |
| Nickel | 60-2 | 162986 | 162062 | 161485 | 162178 | 0.47 | cps |
| Phosphorus | 31-2 | 83 | 87 | 63 | 78 | 16.23 | cps |
| Potassium | 39-2 | 217005 | 216716 | 215979 | 216567 | 0.24 | cps |
| Rhodium | 103-1 | 8681343 | 8936259 | 8767474 | 8795025 | 1.47 | cps |
| Rhodium | 103-2 | 3620508 | 3435853 | 3586692 | 3547684 | 2.77 | cps |
| Scandium | 45-1 | 6099794 | 6115934 | 5996428 | 6070719 | 1.07 | cps |
| Scandium | 45-2 | 117704 | 119216 | 117247 | 118056 | 0.87 | cps |
| Selenium | 82-1 | 47063 | 48862 | 47999 | 47975 | 1.88 | cps |
| Selenium | 77-2 | 770 | 853 | 940 | 854 | 9.95 | cps |
| Selenium | 78-2 | 3130 | 3004 | 2977 | 3037 | 2.70 | cps |
| Silicon | 28-1 | 541496 | 538711 | 540105 | 540104 | 0.26 | cps |
| Silver | 107-1 | 798164 | 823635 | 825931 | 815910 | 1.89 | cps |
| Silver | 109-1 | 758551 | 770584 | 776992 | 768709 | 1.22 | cps |
| Sodium | 23-2 | 685323 | 684689 | 680061 | 683358 | 0.42 | cps |
| Strontium | 86-1 | 1327 | 1573 | 1397 | 1432 | 8.88 | cps |
| Strontium | 88-1 | 9593 | 9723 | 9473 | 9597 | 1.30 | cps |
| Sulfur | 34-1 | 589651 | 583954 | 588249 | 587285 | 0.51 | cps |
| Terbium | 159-1 | 10583957 | 10672969 | 10767476 | 10674801 | 0.86 | cps |
| Terbium | 159-2 | 3945887 | 3961763 | 3898313 | 3935321 | 0.84 | cps |
| Thallium | 203-1 | 2403582 | 2433718 | 2425748 | 2421016 | 0.64 | cps |
| Thallium | 205-1 | 5653006 | 5544707 | 5634720 | 5610811 | 1.03 | cps |
| Tin | 118-1 | 2230 | 2117 | 2310 | 2219 | 4.38 | cps |
| Titanium | 47-1 | 287 | 260 | 277 | 274 | 4.91 | cps |
| Uranium | 238-1 | 43 | 60 | 47 | 50 | 17.64 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICV01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:26:41 | DataFile Name : | 013ICV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 213631 | 213801 | 212173 | 213202 | 0.42 | cps |
| Ytterbium | 172-1 | 63 | 63 | 97 | 74 | 25.86 | cps |
| Ytterbium | 172-2 | 37 | 67 | 30 | 44 | 43.95 | cps |
| Ytterbium | 176-1 | 1267 | 1453 | 1380 | 1367 | 6.88 | cps |
| Ytterbium | 176-2 | 550 | 583 | 567 | 567 | 2.94 | cps |
| Yttrium | 89-1 | 16799689 | 16592128 | 16934588 | 16775468 | 1.03 | cps |
| Yttrium | 89-2 | 1264431 | 1251112 | 1247194 | 1254246 | 0.72 | cps |
| Zinc | 66-2 | 98099 | 98778 | 98838 | 98572 | 0.42 | cps |
| Zirconium | 90-1 | 1467 | 1523 | 1523 | 1505 | 2.17 | cps |
| Zirconium | 91-1 | 613 | 740 | 803 | 719 | 13.46 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | LLICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | LLICV01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:33:55 | DataFile Name : | 015LLIC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1193 | 1243 | 1253 | 1230 | 2.61 | cps |
| Antimony | 121-1 | 29786 | 29879 | 30638 | 30101 | 1.55 | cps |
| Arsenic | 75-2 | 313 | 410 | 343 | 356 | 13.92 | cps |
| Barium | 135-1 | 31857 | 31978 | 31620 | 31819 | 0.57 | cps |
| Barium | 137-1 | 54288 | 55045 | 55814 | 55049 | 1.39 | cps |
| Beryllium | 9-1 | 4315 | 4490 | 4320 | 4375 | 2.28 | cps |
| Bismuth | 209-1 | 6028340 | 5937008 | 5923405 | 5962917 | 0.96 | cps |
| Bismuth | 209-2 | 2848118 | 2826735 | 2844893 | 2839915 | 0.41 | cps |
| Bromine | 81-1 | 21770 | 22471 | 22224 | 22155 | 1.61 | cps |
| Cadmium | 108-1 | 323 | 250 | 273 | 282 | 13.27 | cps |
| Cadmium | 106-1 | 5671 | 5651 | 5988 | 5770 | 3.27 | cps |
| Cadmium | 111-1 | 7207 | 7151 | 7441 | 7266 | 2.11 | cps |
| Calcium | 43-1 | 23803 | 24264 | 24157 | 24075 | 1.00 | cps |
| Calcium | 44-1 | 400770 | 406589 | 406227 | 404529 | 0.81 | cps |
| Carbon | 12-1 | 2715533 | 2691465 | 2678844 | 2695280 | 0.69 | cps |
| Carbon | 12-2 | 17871 | 17958 | 18311 | 18047 | 1.29 | cps |
| Chlorine | 35-1 | 106370 | 106149 | 106202 | 106240 | 0.11 | cps |
| Chlorine | 35-2 | 433 | 327 | 423 | 394 | 14.94 | cps |
| Chromium | 52-2 | 6555 | 6938 | 6365 | 6619 | 4.41 | cps |
| Cobalt | 59-2 | 6138 | 6131 | 5935 | 6068 | 1.90 | cps |
| Copper | 63-2 | 11104 | 10504 | 10838 | 10815 | 2.78 | cps |
| Dysprosium | 156-1 | 23 | 13 | 17 | 18 | 28.64 | cps |
| Dysprosium | 156-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Erbium | 164-1 | 83 | 93 | 63 | 80 | 19.10 | cps |
| Erbium | 164-2 | 20 | 20 | 23 | 21 | 9.11 | cps |
| Gadolinium | 160-1 | 70 | 77 | 93 | 80 | 15.02 | cps |
| Gadolinium | 160-2 | 20 | 27 | 10 | 19 | 44.42 | cps |
| Holmium | 165-1 | 9935703 | 9958202 | 9996642 | 9963515 | 0.31 | cps |
| Holmium | 165-2 | 3896346 | 3970805 | 3867345 | 3911499 | 1.36 | cps |
| Indium | 115-1 | 8916353 | 9047030 | 9010337 | 8991240 | 0.75 | cps |
| Indium | 115-2 | 963974 | 962995 | 956334 | 961101 | 0.43 | cps |
| Iron | 54-2 | 7002 | 7172 | 6905 | 7026 | 1.92 | cps |
| Iron | 56-2 | 121203 | 121671 | 121021 | 121298 | 0.28 | cps |
| Iron | 57-2 | 3167 | 3057 | 3117 | 3114 | 1.77 | cps |
| Krypton | 83-1 | 180 | 150 | 197 | 176 | 13.47 | cps |
| Lead | 206-1 | 8576 | 8443 | 8630 | 8550 | 1.13 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | LLICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | LLICV01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:33:55 | DataFile Name : | 015LLIC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 7516 | 7089 | 7482 | 7362 | 3.22 | cps |
| Lead | 208-1 | 33761 | 33053 | 33841 | 33552 | 1.29 | cps |
| Lithium | 6-1 | 3521489 | 3475186 | 3505641 | 3500772 | 0.67 | cps |
| Magnesium | 24-2 | 91381 | 90569 | 91136 | 91029 | 0.46 | cps |
| Manganese | 55-2 | 2357 | 2344 | 2157 | 2286 | 4.89 | cps |
| Molybdenum | 94-1 | 30089 | 30103 | 30610 | 30267 | 0.98 | cps |
| Molybdenum | 95-1 | 35101 | 35649 | 36120 | 35623 | 1.43 | cps |
| Molybdenum | 96-1 | 39225 | 40315 | 38981 | 39507 | 1.80 | cps |
| Molybdenum | 97-1 | 21867 | 22225 | 22722 | 22271 | 1.93 | cps |
| Molybdenum | 98-1 | 55691 | 58021 | 56535 | 56749 | 2.08 | cps |
| Neodymium | 150-1 | 13 | 3 | 10 | 9 | 57.30 | cps |
| Neodymium | 150-2 | 3 | 0 | 7 | 3 | 100.05 | cps |
| Nickel | 60-2 | 1597 | 1580 | 1583 | 1587 | 0.56 | cps |
| Phosphorus | 31-2 | 803 | 817 | 823 | 814 | 1.25 | cps |
| Potassium | 39-2 | 69094 | 69791 | 69938 | 69608 | 0.65 | cps |
| Rhodium | 103-1 | 8511115 | 8589564 | 8591928 | 8564203 | 0.54 | cps |
| Rhodium | 103-2 | 3530211 | 3486191 | 3501278 | 3505893 | 0.64 | cps |
| Scandium | 45-1 | 5920290 | 5882691 | 5948051 | 5917011 | 0.55 | cps |
| Scandium | 45-2 | 115570 | 117303 | 114653 | 115842 | 1.16 | cps |
| Selenium | 82-1 | 1260 | 1347 | 1273 | 1293 | 3.61 | cps |
| Selenium | 77-2 | 20 | 17 | 23 | 20 | 16.65 | cps |
| Selenium | 78-2 | 103 | 67 | 107 | 92 | 24.06 | cps |
| Silicon | 28-1 | 558354 | 558564 | 566642 | 561187 | 0.84 | cps |
| Silver | 107-1 | 19030 | 19511 | 19627 | 19389 | 1.63 | cps |
| Silver | 109-1 | 18132 | 18506 | 18469 | 18369 | 1.12 | cps |
| Sodium | 23-2 | 203516 | 206868 | 206706 | 205697 | 0.92 | cps |
| Strontium | 86-1 | 4868 | 4898 | 5004 | 4923 | 1.46 | cps |
| Strontium | 88-1 | 39563 | 40017 | 39994 | 39858 | 0.64 | cps |
| Sulfur | 34-1 | 610888 | 604065 | 608367 | 607773 | 0.57 | cps |
| Terbium | 159-1 | 10378280 | 10625081 | 10479478 | 10494280 | 1.18 | cps |
| Terbium | 159-2 | 3824735 | 3870137 | 3801084 | 3831985 | 0.92 | cps |
| Thallium | 203-1 | 11188 | 11295 | 11632 | 11372 | 2.04 | cps |
| Thallium | 205-1 | 27442 | 27379 | 27763 | 27528 | 0.75 | cps |
| Tin | 118-1 | 59127 | 59324 | 59408 | 59286 | 0.24 | cps |
| Titanium | 47-1 | 10541 | 11351 | 11204 | 11032 | 3.92 | cps |
| Uranium | 238-1 | 32211 | 33009 | 32080 | 32434 | 1.55 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | LLICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | LLICV01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:33:55 | DataFile Name : | 015LLIC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 11441 | 11214 | 11535 | 11397 | 1.45 | cps |
| Ytterbium | 172-1 | 90 | 100 | 80 | 90 | 11.11 | cps |
| Ytterbium | 172-2 | 30 | 37 | 10 | 26 | 54.31 | cps |
| Ytterbium | 176-1 | 1370 | 1383 | 1390 | 1381 | 0.74 | cps |
| Ytterbium | 176-2 | 470 | 440 | 377 | 429 | 11.11 | cps |
| Yttrium | 89-1 | 16086546 | 16280704 | 16489268 | 16285506 | 1.24 | cps |
| Yttrium | 89-2 | 1236403 | 1227698 | 1239107 | 1234403 | 0.48 | cps |
| Zinc | 66-2 | 3207 | 3244 | 3034 | 3161 | 3.55 | cps |
| Zirconium | 90-1 | 27364 | 27835 | 26963 | 27387 | 1.59 | cps |
| Zirconium | 91-1 | 6355 | 5938 | 6108 | 6134 | 3.42 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICB01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:40:46 | DataFile Name : | 017CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 100 | 70 | 90 | 87 | 17.63 | cps |
| Antimony | 121-1 | 123 | 140 | 140 | 134 | 7.16 | cps |
| Arsenic | 75-2 | 0 | 20 | 3 | 8 | 137.80 | cps |
| Barium | 135-1 | 33 | 50 | 57 | 47 | 25.76 | cps |
| Barium | 137-1 | 103 | 70 | 83 | 86 | 19.61 | cps |
| Beryllium | 9-1 | 125 | 101 | 109 | 112 | 10.87 | cps |
| Bismuth | 209-1 | 5936128 | 6194684 | 5751119 | 5960644 | 3.74 | cps |
| Bismuth | 209-2 | 2823439 | 2848098 | 2824622 | 2832053 | 0.49 | cps |
| Bromine | 81-1 | 21844 | 22044 | 21850 | 21913 | 0.52 | cps |
| Cadmium | 108-1 | 13 | 17 | 7 | 12 | 41.65 | cps |
| Cadmium | 106-1 | 5268 | 5511 | 5401 | 5393 | 2.26 | cps |
| Cadmium | 111-1 | 3691 | 3866 | 3789 | 3782 | 2.32 | cps |
| Calcium | 43-1 | 617 | 673 | 590 | 627 | 6.79 | cps |
| Calcium | 44-1 | 24842 | 24678 | 23963 | 24494 | 1.91 | cps |
| Carbon | 12-1 | 2432895 | 2470319 | 2407407 | 2436873 | 1.30 | cps |
| Carbon | 12-2 | 15642 | 15452 | 15428 | 15507 | 0.76 | cps |
| Chlorine | 35-1 | 91815 | 88951 | 90611 | 90459 | 1.59 | cps |
| Chlorine | 35-2 | 373 | 323 | 280 | 326 | 14.35 | cps |
| Chromium | 52-2 | 647 | 640 | 573 | 620 | 6.54 | cps |
| Cobalt | 59-2 | 23 | 47 | 27 | 32 | 39.17 | cps |
| Copper | 63-2 | 1290 | 1393 | 1540 | 1408 | 8.92 | cps |
| Dysprosium | 156-1 | 27 | 7 | 7 | 13 | 86.58 | cps |
| Dysprosium | 156-2 | 3 | 7 | 3 | 4 | 43.40 | cps |
| Erbium | 164-1 | 77 | 70 | 57 | 68 | 15.02 | cps |
| Erbium | 164-2 | 23 | 37 | 7 | 22 | 67.63 | cps |
| Gadolinium | 160-1 | 70 | 73 | 80 | 74 | 6.84 | cps |
| Gadolinium | 160-2 | 10 | 23 | 13 | 16 | 44.60 | cps |
| Holmium | 165-1 | 9871385 | 9909476 | 9821172 | 9867345 | 0.45 | cps |
| Holmium | 165-2 | 3850425 | 3890878 | 3908500 | 3883268 | 0.77 | cps |
| Indium | 115-1 | 9143683 | 8993499 | 8762441 | 8966541 | 2.14 | cps |
| Indium | 115-2 | 948152 | 956919 | 949854 | 951641 | 0.49 | cps |
| Iron | 54-2 | 380 | 450 | 323 | 384 | 16.50 | cps |
| Iron | 56-2 | 4194 | 3877 | 3834 | 3968 | 4.95 | cps |
| Iron | 57-2 | 140 | 103 | 83 | 109 | 26.40 | cps |
| Krypton | 83-1 | 223 | 280 | 213 | 239 | 15.05 | cps |
| Lead | 206-1 | 533 | 530 | 470 | 511 | 6.97 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICB01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:40:46 | DataFile Name : | 017CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 423 | 523 | 473 | 473 | 10.56 | cps |
| Lead | 208-1 | 2107 | 2150 | 2040 | 2099 | 2.64 | cps |
| Lithium | 6-1 | 3491681 | 3511431 | 3515939 | 3506350 | 0.37 | cps |
| Magnesium | 24-2 | 687 | 620 | 677 | 661 | 5.44 | cps |
| Manganese | 55-2 | 803 | 823 | 790 | 806 | 2.08 | cps |
| Molybdenum | 94-1 | 403 | 380 | 350 | 378 | 7.08 | cps |
| Molybdenum | 95-1 | 127 | 150 | 93 | 123 | 23.09 | cps |
| Molybdenum | 96-1 | 160 | 173 | 173 | 169 | 4.56 | cps |
| Molybdenum | 97-1 | 77 | 73 | 60 | 70 | 12.60 | cps |
| Molybdenum | 98-1 | 170 | 203 | 143 | 172 | 17.45 | cps |
| Neodymium | 150-1 | 10 | 10 | 20 | 13 | 43.30 | cps |
| Neodymium | 150-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Nickel | 60-2 | 157 | 120 | 180 | 152 | 19.87 | cps |
| Phosphorus | 31-2 | 77 | 80 | 43 | 67 | 30.42 | cps |
| Potassium | 39-2 | 14547 | 14581 | 14758 | 14629 | 0.77 | cps |
| Rhodium | 103-1 | 8706438 | 8595056 | 8583638 | 8628378 | 0.79 | cps |
| Rhodium | 103-2 | 3462720 | 3502171 | 3450363 | 3471751 | 0.78 | cps |
| Scandium | 45-1 | 5991334 | 6118193 | 6047459 | 6052329 | 1.05 | cps |
| Scandium | 45-2 | 115154 | 114424 | 115378 | 114985 | 0.43 | cps |
| Selenium | 82-1 | -33 | -100 | 13 | -40 | -142.38 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 7 | 10 | 10 | 9 | 21.63 | cps |
| Silicon | 28-1 | 505847 | 507473 | 525997 | 513106 | 2.18 | cps |
| Silver | 107-1 | 220 | 197 | 193 | 203 | 7.14 | cps |
| Silver | 109-1 | 123 | 83 | 117 | 108 | 19.89 | cps |
| Sodium | 23-2 | 31471 | 31591 | 32393 | 31818 | 1.58 | cps |
| Strontium | 86-1 | 313 | 350 | 273 | 312 | 12.28 | cps |
| Strontium | 88-1 | 273 | 263 | 267 | 268 | 1.90 | cps |
| Sulfur | 34-1 | 592309 | 595089 | 592569 | 593322 | 0.26 | cps |
| Terbium | 159-1 | 10552624 | 10386531 | 10459949 | 10466368 | 0.80 | cps |
| Terbium | 159-2 | 3839717 | 3769040 | 3708364 | 3772373 | 1.74 | cps |
| Thallium | 203-1 | 160 | 180 | 223 | 188 | 17.24 | cps |
| Thallium | 205-1 | 420 | 410 | 360 | 397 | 8.10 | cps |
| Tin | 118-1 | 1783 | 1857 | 1867 | 1836 | 2.48 | cps |
| Titanium | 47-1 | 203 | 253 | 170 | 209 | 20.08 | cps |
| Uranium | 238-1 | 37 | 40 | 43 | 40 | 8.32 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICB01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:40:46 | DataFile Name : | 017CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 7 | 7 | 3 | 6 | 34.70 | cps |
| Ytterbium | 172-1 | 90 | 83 | 70 | 81 | 12.55 | cps |
| Ytterbium | 172-2 | 27 | 17 | 23 | 22 | 22.91 | cps |
| Ytterbium | 176-1 | 1330 | 1360 | 1300 | 1330 | 2.26 | cps |
| Ytterbium | 176-2 | 360 | 377 | 367 | 368 | 2.28 | cps |
| Yttrium | 89-1 | 16425010 | 16767486 | 16072534 | 16421677 | 2.12 | cps |
| Yttrium | 89-2 | 1220190 | 1220275 | 1224115 | 1221527 | 0.18 | cps |
| Zinc | 66-2 | 183 | 323 | 230 | 246 | 29.03 | cps |
| Zirconium | 90-1 | 890 | 947 | 893 | 910 | 3.49 | cps |
| Zirconium | 91-1 | 157 | 227 | 150 | 178 | 23.89 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICSA01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSA01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:44:09 | DataFile Name : | 018ICSA.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4099508 | 4077502 | 4071127 | 4082712 | 0.36 | cps |
| Antimony | 121-1 | 15215 | 15135 | 15302 | 15217 | 0.55 | cps |
| Arsenic | 75-2 | 97 | 73 | 80 | 83 | 14.43 | cps |
| Barium | 135-1 | 4217 | 4274 | 4221 | 4237 | 0.75 | cps |
| Barium | 137-1 | 7315 | 7215 | 7419 | 7316 | 1.39 | cps |
| Beryllium | 9-1 | 1140 | 1077 | 1142 | 1120 | 3.29 | cps |
| Bismuth | 209-1 | 5548988 | 5605766 | 5520375 | 5558376 | 0.78 | cps |
| Bismuth | 209-2 | 2536225 | 2566871 | 2600878 | 2567991 | 1.26 | cps |
| Bromine | 81-1 | 22391 | 22739 | 22765 | 22632 | 0.92 | cps |
| Cadmium | 108-1 | 3510 | 3414 | 3444 | 3456 | 1.43 | cps |
| Cadmium | 106-1 | 5348 | 5174 | 5058 | 5193 | 2.81 | cps |
| Cadmium | 111-1 | 5450 | 4956 | 5230 | 5212 | 4.75 | cps |
| Calcium | 43-1 | 4131417 | 4021779 | 3993884 | 4049027 | 1.80 | cps |
| Calcium | 44-1 | 67192764 | 67030472 | 67834882 | 67352706 | 0.63 | cps |
| Carbon | 12-1 | 31288295 | 31509064 | 31439743 | 31412367 | 0.36 | cps |
| Carbon | 12-2 | 211547 | 209789 | 210810 | 210715 | 0.42 | cps |
| Chlorine | 35-1 | 73637787 | 79881379 | 82701217 | 78740128 | 5.89 | cps |
| Chlorine | 35-2 | 354253 | 354776 | 358140 | 355723 | 0.59 | cps |
| Chromium | 52-2 | 53195 | 54202 | 52821 | 53406 | 1.34 | cps |
| Cobalt | 59-2 | 5991 | 6181 | 6015 | 6062 | 1.71 | cps |
| Copper | 63-2 | 30924 | 31759 | 32460 | 31714 | 2.43 | cps |
| Dysprosium | 156-1 | 53 | 43 | 70 | 56 | 24.25 | cps |
| Dysprosium | 156-2 | 13 | 23 | 20 | 19 | 26.96 | cps |
| Erbium | 164-1 | 107 | 113 | 107 | 109 | 3.53 | cps |
| Erbium | 164-2 | 33 | 43 | 23 | 33 | 30.00 | cps |
| Gadolinium | 160-1 | 110 | 177 | 137 | 141 | 23.78 | cps |
| Gadolinium | 160-2 | 17 | 20 | 43 | 27 | 54.47 | cps |
| Holmium | 165-1 | 9686916 | 9955263 | 9764238 | 9802139 | 1.41 | cps |
| Holmium | 165-2 | 3729215 | 3780289 | 3738894 | 3749466 | 0.72 | cps |
| Indium | 115-1 | 8446490 | 8271674 | 8510438 | 8409534 | 1.47 | cps |
| Indium | 115-2 | 877764 | 878186 | 875604 | 877185 | 0.16 | cps |
| Iron | 54-2 | 10700989 | 10654349 | 10897197 | 10750845 | 1.20 | cps |
| Iron | 56-2 | 201010004 | 202976537 | 202339190 | 202108577 | 0.50 | cps |
| Iron | 57-2 | 4961734 | 5077986 | 5065112 | 5034944 | 1.27 | cps |
| Krypton | 83-1 | 213 | 240 | 237 | 230 | 6.32 | cps |
| Lead | 206-1 | 39985 | 39470 | 39744 | 39733 | 0.65 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICSA01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSA01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:44:09 | DataFile Name : | 018ICSA.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 30292 | 30653 | 31562 | 30836 | 2.12 | cps |
| Lead | 208-1 | 144814 | 147207 | 148746 | 146922 | 1.35 | cps |
| Lithium | 6-1 | 3279131 | 3306842 | 3312956 | 3299643 | 0.55 | cps |
| Magnesium | 24-2 | 14739564 | 14501206 | 14269678 | 14503483 | 1.62 | cps |
| Manganese | 55-2 | 10938 | 10621 | 10968 | 10842 | 1.77 | cps |
| Molybdenum | 94-1 | 7472189 | 7380377 | 7490160 | 7447576 | 0.79 | cps |
| Molybdenum | 95-1 | 13340258 | 13270096 | 13572270 | 13394208 | 1.18 | cps |
| Molybdenum | 96-1 | 14179174 | 14397459 | 14056034 | 14210889 | 1.22 | cps |
| Molybdenum | 97-1 | 8086534 | 8185557 | 8316418 | 8196170 | 1.41 | cps |
| Molybdenum | 98-1 | 20797593 | 21279613 | 21650844 | 21242683 | 2.01 | cps |
| Neodymium | 150-1 | 83 | 60 | 50 | 64 | 26.54 | cps |
| Neodymium | 150-2 | 20 | 13 | 17 | 17 | 20.01 | cps |
| Nickel | 60-2 | 7759 | 7746 | 7902 | 7802 | 1.11 | cps |
| Phosphorus | 31-2 | 257166 | 254809 | 254273 | 255416 | 0.60 | cps |
| Potassium | 39-2 | 9691818 | 9599241 | 9813832 | 9701631 | 1.11 | cps |
| Rhodium | 103-1 | 7722662 | 7860339 | 7917899 | 7833633 | 1.28 | cps |
| Rhodium | 103-2 | 3154968 | 3115709 | 3124408 | 3131695 | 0.66 | cps |
| Scandium | 45-1 | 5766315 | 5649617 | 5659315 | 5691749 | 1.14 | cps |
| Scandium | 45-2 | 108102 | 107996 | 108650 | 108249 | 0.32 | cps |
| Selenium | 82-1 | 30 | -33 | -17 | -7 | -492.24 | cps |
| Selenium | 77-2 | 0 | 0 | 3 | 1 | 173.21 | cps |
| Selenium | 78-2 | 13 | 3 | 13 | 10 | 57.75 | cps |
| Silicon | 28-1 | 769664 | 760559 | 768375 | 766200 | 0.64 | cps |
| Silver | 107-1 | 977 | 943 | 963 | 961 | 1.75 | cps |
| Silver | 109-1 | 1103 | 807 | 803 | 904 | 19.05 | cps |
| Sodium | 23-2 | 30675780 | 30630403 | 30959660 | 30755281 | 0.58 | cps |
| Strontium | 86-1 | 140030 | 141377 | 142312 | 141240 | 0.81 | cps |
| Strontium | 88-1 | 1223575 | 1233494 | 1250925 | 1235998 | 1.12 | cps |
| Sulfur | 34-1 | 6061570 | 5917001 | 5976109 | 5984893 | 1.21 | cps |
| Terbium | 159-1 | 10184299 | 10347111 | 10001923 | 10177778 | 1.70 | cps |
| Terbium | 159-2 | 3651902 | 3682359 | 3679950 | 3671404 | 0.46 | cps |
| Thallium | 203-1 | 1093 | 1473 | 1770 | 1446 | 23.47 | cps |
| Thallium | 205-1 | 2487 | 3624 | 4154 | 3422 | 24.89 | cps |
| Tin | 118-1 | 3971 | 3964 | 3637 | 3857 | 4.94 | cps |
| Titanium | 47-1 | 3840933 | 3900975 | 3932260 | 3891389 | 1.19 | cps |
| Uranium | 238-1 | 530 | 457 | 533 | 507 | 8.55 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICSA01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSA01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:44:09 | DataFile Name : | 018ICSA.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 400 | 270 | 370 | 347 | 19.63 | cps |
| Ytterbium | 172-1 | 117 | 67 | 120 | 101 | 29.55 | cps |
| Ytterbium | 172-2 | 33 | 23 | 27 | 28 | 18.33 | cps |
| Ytterbium | 176-1 | 1397 | 1163 | 1197 | 1252 | 10.08 | cps |
| Ytterbium | 176-2 | 353 | 370 | 383 | 369 | 4.07 | cps |
| Yttrium | 89-1 | 15455902 | 15941386 | 15756965 | 15718084 | 1.56 | cps |
| Yttrium | 89-2 | 1164726 | 1153965 | 1160405 | 1159699 | 0.47 | cps |
| Zinc | 66-2 | 4921 | 5001 | 5284 | 5069 | 3.77 | cps |
| Zirconium | 90-1 | 1290 | 1363 | 1263 | 1306 | 3.97 | cps |
| Zirconium | 91-1 | 283 | 297 | 280 | 287 | 3.08 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSAB01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:47:20 | DataFile Name : | 019ICSB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4082170 | 3981882 | 3995360 | 4019804 | 1.35 | cps |
| Antimony | 121-1 | 282674 | 290771 | 288174 | 287206 | 1.44 | cps |
| Arsenic | 75-2 | 6331 | 6025 | 6275 | 6210 | 2.63 | cps |
| Barium | 135-1 | 62564 | 62852 | 63702 | 63039 | 0.94 | cps |
| Barium | 137-1 | 109492 | 111061 | 111179 | 110578 | 0.85 | cps |
| Beryllium | 9-1 | 72604 | 73136 | 72904 | 72881 | 0.37 | cps |
| Bismuth | 209-1 | 5605531 | 5586358 | 5570214 | 5587368 | 0.32 | cps |
| Bismuth | 209-2 | 2569143 | 2798205 | 2604579 | 2657309 | 4.64 | cps |
| Bromine | 81-1 | 23557 | 23707 | 24101 | 23788 | 1.18 | cps |
| Cadmium | 108-1 | 7425 | 7192 | 7465 | 7361 | 2.01 | cps |
| Cadmium | 106-1 | 10658 | 10574 | 10447 | 10560 | 1.00 | cps |
| Cadmium | 111-1 | 68521 | 68901 | 69337 | 68920 | 0.59 | cps |
| Calcium | 43-1 | 4044883 | 4123916 | 4087877 | 4085559 | 0.97 | cps |
| Calcium | 44-1 | 66932989 | 67004206 | 64162674 | 66033290 | 2.45 | cps |
| Carbon | 12-1 | 32112705 | 31982625 | 32427720 | 32174350 | 0.71 | cps |
| Carbon | 12-2 | 220352 | 217918 | 221301 | 219857 | 0.79 | cps |
| Chlorine | 35-1 | 79730744 | 84154512 | 83601462 | 82495573 | 2.92 | cps |
| Chlorine | 35-2 | 362226 | 361211 | 365559 | 362999 | 0.63 | cps |
| Chromium | 52-2 | 104498 | 102880 | 104482 | 103953 | 0.89 | cps |
| Cobalt | 59-2 | 107240 | 103607 | 104151 | 104999 | 1.87 | cps |
| Copper | 63-2 | 108732 | 107584 | 109928 | 108748 | 1.08 | cps |
| Dysprosium | 156-1 | 100 | 53 | 60 | 71 | 35.50 | cps |
| Dysprosium | 156-2 | 23 | 7 | 23 | 18 | 54.11 | cps |
| Erbium | 164-1 | 93 | 147 | 110 | 117 | 23.39 | cps |
| Erbium | 164-2 | 57 | 47 | 43 | 49 | 14.20 | cps |
| Gadolinium | 160-1 | 97 | 120 | 153 | 123 | 23.09 | cps |
| Gadolinium | 160-2 | 23 | 27 | 37 | 29 | 24.03 | cps |
| Holmium | 165-1 | 9584305 | 9794303 | 9784348 | 9720985 | 1.22 | cps |
| Holmium | 165-2 | 3673615 | 4180790 | 3886796 | 3913734 | 6.51 | cps |
| Indium | 115-1 | 8495253 | 8556982 | 8501433 | 8517889 | 0.40 | cps |
| Indium | 115-2 | 872241 | 972078 | 902599 | 915639 | 5.59 | cps |
| Iron | 54-2 | 10726345 | 10602908 | 10758737 | 10695997 | 0.77 | cps |
| Iron | 56-2 | 197204310 | 194817997 | 200064584 | 197362297 | 1.33 | cps |
| Iron | 57-2 | 4949584 | 4991231 | 4991167 | 4977327 | 0.48 | cps |
| Krypton | 83-1 | 263 | 297 | 267 | 276 | 6.66 | cps |
| Lead | 206-1 | 216871 | 218550 | 215338 | 216920 | 0.74 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSAB01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:47:20 | DataFile Name : | 019ICSB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 178851 | 181035 | 181195 | 180360 | 0.73 | cps |
| Lead | 208-1 | 829696 | 842276 | 831208 | 834393 | 0.82 | cps |
| Lithium | 6-1 | 3269010 | 3250199 | 3264169 | 3261126 | 0.30 | cps |
| Magnesium | 24-2 | 14185985 | 14173495 | 14479476 | 14279652 | 1.21 | cps |
| Manganese | 55-2 | 31401 | 31648 | 31054 | 31368 | 0.95 | cps |
| Molybdenum | 94-1 | 7323634 | 7573997 | 7386233 | 7427955 | 1.75 | cps |
| Molybdenum | 95-1 | 12932899 | 13300098 | 13168772 | 13133923 | 1.42 | cps |
| Molybdenum | 96-1 | 13926066 | 13826103 | 14110959 | 13954376 | 1.04 | cps |
| Molybdenum | 97-1 | 8056906 | 8113431 | 8142002 | 8104113 | 0.53 | cps |
| Molybdenum | 98-1 | 21077050 | 21477130 | 21630722 | 21394967 | 1.34 | cps |
| Neodymium | 150-1 | 37 | 70 | 30 | 46 | 47.04 | cps |
| Neodymium | 150-2 | 13 | 7 | 20 | 13 | 49.99 | cps |
| Nickel | 60-2 | 34382 | 34365 | 34392 | 34379 | 0.04 | cps |
| Phosphorus | 31-2 | 255240 | 249269 | 255701 | 253403 | 1.42 | cps |
| Potassium | 39-2 | 9471118 | 9625465 | 9661041 | 9585875 | 1.05 | cps |
| Rhodium | 103-1 | 7911399 | 7809175 | 7870784 | 7863786 | 0.65 | cps |
| Rhodium | 103-2 | 3109181 | 3371495 | 3244670 | 3241782 | 4.05 | cps |
| Scandium | 45-1 | 5630207 | 5762428 | 5792953 | 5728529 | 1.51 | cps |
| Scandium | 45-2 | 106390 | 119167 | 111532 | 112363 | 5.72 | cps |
| Selenium | 82-1 | 4508 | 4417 | 4528 | 4484 | 1.31 | cps |
| Selenium | 77-2 | 37 | 100 | 87 | 74 | 44.85 | cps |
| Selenium | 78-2 | 317 | 237 | 280 | 278 | 14.42 | cps |
| Silicon | 28-1 | 764288 | 756091 | 765603 | 761994 | 0.68 | cps |
| Silver | 107-1 | 303092 | 305596 | 308138 | 305608 | 0.83 | cps |
| Silver | 109-1 | 287542 | 289914 | 292461 | 289972 | 0.85 | cps |
| Sodium | 23-2 | 29777290 | 30274225 | 29854270 | 29968595 | 0.89 | cps |
| Strontium | 86-1 | 140569 | 143151 | 142871 | 142197 | 1.00 | cps |
| Strontium | 88-1 | 1221497 | 1243540 | 1231949 | 1232329 | 0.89 | cps |
| Sulfur | 34-1 | 5952745 | 5962033 | 5953904 | 5956227 | 0.08 | cps |
| Terbium | 159-1 | 9991098 | 10240746 | 10336757 | 10189534 | 1.75 | cps |
| Terbium | 159-2 | 3668965 | 4076765 | 3677779 | 3807836 | 6.12 | cps |
| Thallium | 203-1 | 205034 | 208949 | 209717 | 207900 | 1.21 | cps |
| Thallium | 205-1 | 490951 | 502080 | 492215 | 495082 | 1.23 | cps |
| Tin | 118-1 | 3464 | 3711 | 3490 | 3555 | 3.81 | cps |
| Titanium | 47-1 | 3838309 | 3838183 | 3787104 | 3821199 | 0.77 | cps |
| Uranium | 238-1 | 813 | 837 | 913 | 854 | 6.12 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSAB01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:47:20 | DataFile Name : | 019ICSB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 40918 | 39441 | 40494 | 40284 | 1.89 | cps |
| Ytterbium | 172-1 | 83 | 87 | 110 | 93 | 15.57 | cps |
| Ytterbium | 172-2 | 37 | 33 | 40 | 37 | 9.10 | cps |
| Ytterbium | 176-1 | 1140 | 1267 | 1207 | 1205 | 5.26 | cps |
| Ytterbium | 176-2 | 320 | 353 | 430 | 368 | 15.34 | cps |
| Yttrium | 89-1 | 15860894 | 16071119 | 15652740 | 15861584 | 1.32 | cps |
| Yttrium | 89-2 | 1147621 | 1330326 | 1191026 | 1222991 | 7.81 | cps |
| Zinc | 66-2 | 13687 | 13460 | 13773 | 13640 | 1.19 | cps |
| Zirconium | 90-1 | 1217 | 1290 | 1347 | 1285 | 5.07 | cps |
| Zirconium | 91-1 | 310 | 393 | 317 | 340 | 13.62 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCV01 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:50:37 | DataFile Name : | 020CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2170856 | 2220825 | 2213347 | 2201676 | 1.22 | cps |
| Antimony | 121-1 | 6962290 | 7060169 | 6881844 | 6968101 | 1.28 | cps |
| Arsenic | 75-2 | 150456 | 152633 | 154213 | 152434 | 1.24 | cps |
| Barium | 135-1 | 7568462 | 7758648 | 7317360 | 7548157 | 2.93 | cps |
| Barium | 137-1 | 12669699 | 12696946 | 13035787 | 12800811 | 1.59 | cps |
| Beryllium | 9-1 | 1613732 | 1632680 | 1658277 | 1634897 | 1.37 | cps |
| Bismuth | 209-1 | 5311306 | 5352292 | 5426972 | 5363523 | 1.09 | cps |
| Bismuth | 209-2 | 2400524 | 2491618 | 2548351 | 2480164 | 3.01 | cps |
| Bromine | 81-1 | 22168 | 21994 | 22355 | 22172 | 0.81 | cps |
| Cadmium | 108-1 | 127537 | 128976 | 129484 | 128666 | 0.79 | cps |
| Cadmium | 106-1 | 186880 | 189702 | 190465 | 189016 | 1.00 | cps |
| Cadmium | 111-1 | 1605755 | 1577128 | 1626090 | 1602991 | 1.53 | cps |
| Calcium | 43-1 | 9615947 | 9599268 | 9573217 | 9596144 | 0.22 | cps |
| Calcium | 44-1 | 155151024 | 156816854 | 157909888 | 156625922 | 0.89 | cps |
| Carbon | 12-1 | 2886139 | 2879375 | 2925074 | 2896863 | 0.85 | cps |
| Carbon | 12-2 | 21736 | 21993 | 22417 | 22049 | 1.56 | cps |
| Chlorine | 35-1 | 3505454 | 3256207 | 3093208 | 3284956 | 6.32 | cps |
| Chlorine | 35-2 | 11311 | 10777 | 10250 | 10780 | 4.92 | cps |
| Chromium | 52-2 | 1287182 | 1298477 | 1299204 | 1294955 | 0.52 | cps |
| Cobalt | 59-2 | 2467662 | 2457057 | 2483272 | 2469330 | 0.53 | cps |
| Copper | 63-2 | 19412666 | 19799255 | 19446774 | 19552898 | 1.09 | cps |
| Dysprosium | 156-1 | 433 | 487 | 433 | 451 | 6.83 | cps |
| Dysprosium | 156-2 | 93 | 87 | 87 | 89 | 4.33 | cps |
| Erbium | 164-1 | 450 | 397 | 393 | 413 | 7.69 | cps |
| Erbium | 164-2 | 113 | 190 | 133 | 146 | 27.32 | cps |
| Gadolinium | 160-1 | 290 | 283 | 370 | 314 | 15.34 | cps |
| Gadolinium | 160-2 | 130 | 140 | 120 | 130 | 7.69 | cps |
| Holmium | 165-1 | 9511943 | 9729067 | 9873534 | 9704848 | 1.88 | cps |
| Holmium | 165-2 | 3724578 | 3774525 | 3757661 | 3752255 | 0.68 | cps |
| Indium | 115-1 | 8121214 | 8073121 | 8143525 | 8112620 | 0.44 | cps |
| Indium | 115-2 | 823796 | 834874 | 831733 | 830134 | 0.69 | cps |
| Iron | 54-2 | 13303440 | 13400776 | 13765998 | 13490071 | 1.81 | cps |
| Iron | 56-2 | 249719203 | 261375709 | 253369636 | 254821516 | 2.34 | cps |
| Iron | 57-2 | 6277521 | 6421870 | 6422144 | 6373845 | 1.31 | cps |
| Krypton | 83-1 | 193 | 253 | 217 | 221 | 13.68 | cps |
| Lead | 206-1 | 21081967 | 22210868 | 21525391 | 21606075 | 2.63 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCV01 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:50:37 | DataFile Name : | 020CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 18345377 | 18682396 | 18622991 | 18550255 | 0.97 | cps |
| Lead | 208-1 | 82768125 | 85658100 | 85697919 | 84708048 | 1.98 | cps |
| Lithium | 6-1 | 3098204 | 3066017 | 3046830 | 3070350 | 0.85 | cps |
| Magnesium | 24-2 | 36678950 | 36336879 | 36276921 | 36430917 | 0.60 | cps |
| Manganese | 55-2 | 5511840 | 5571638 | 5542205 | 5541894 | 0.54 | cps |
| Molybdenum | 94-1 | 22980507 | 23609684 | 23360792 | 23316994 | 1.36 | cps |
| Molybdenum | 95-1 | 33550854 | 33284752 | 33697576 | 33511061 | 0.62 | cps |
| Molybdenum | 96-1 | 36524895 | 35768595 | 36293200 | 36195564 | 1.07 | cps |
| Molybdenum | 97-1 | 20412480 | 20436403 | 20761166 | 20536683 | 0.95 | cps |
| Molybdenum | 98-1 | 53744789 | 53781956 | 54098766 | 53875170 | 0.36 | cps |
| Neodymium | 150-1 | 687 | 713 | 747 | 716 | 4.20 | cps |
| Neodymium | 150-2 | 57 | 87 | 73 | 72 | 20.81 | cps |
| Nickel | 60-2 | 642901 | 645708 | 653222 | 647277 | 0.82 | cps |
| Phosphorus | 31-2 | 24815 | 24331 | 25005 | 24717 | 1.41 | cps |
| Potassium | 39-2 | 12392644 | 12283627 | 12337458 | 12337910 | 0.44 | cps |
| Rhodium | 103-1 | 7170617 | 7284414 | 7561611 | 7338881 | 2.74 | cps |
| Rhodium | 103-2 | 3049899 | 2941031 | 2989479 | 2993470 | 1.82 | cps |
| Scandium | 45-1 | 5577591 | 5511936 | 5589029 | 5559519 | 0.75 | cps |
| Scandium | 45-2 | 104188 | 107136 | 105793 | 105706 | 1.40 | cps |
| Selenium | 82-1 | 107416 | 108464 | 107688 | 107856 | 0.50 | cps |
| Selenium | 77-2 | 1937 | 2100 | 1917 | 1985 | 5.07 | cps |
| Selenium | 78-2 | 6518 | 6522 | 6795 | 6612 | 2.40 | cps |
| Silicon | 28-1 | 42446004 | 43240244 | 43827508 | 43171252 | 1.61 | cps |
| Silver | 107-1 | 7911561 | 8040877 | 7921010 | 7957816 | 0.91 | cps |
| Silver | 109-1 | 7472266 | 7535851 | 7501381 | 7503166 | 0.42 | cps |
| Sodium | 23-2 | 69136117 | 69461724 | 71236147 | 69944663 | 1.62 | cps |
| Strontium | 86-1 | 2127263 | 2146430 | 2144387 | 2139360 | 0.49 | cps |
| Strontium | 88-1 | 18182850 | 18017041 | 18654493 | 18284795 | 1.81 | cps |
| Sulfur | 34-1 | 1073808 | 1058478 | 1057290 | 1063192 | 0.87 | cps |
| Terbium | 159-1 | 9930282 | 10134308 | 10219095 | 10094562 | 1.47 | cps |
| Terbium | 159-2 | 3496279 | 3559911 | 3659275 | 3571822 | 2.30 | cps |
| Thallium | 203-1 | 5300973 | 5459237 | 5412972 | 5391061 | 1.51 | cps |
| Thallium | 205-1 | 12084674 | 12662123 | 12329948 | 12358915 | 2.34 | cps |
| Tin | 118-1 | 5354679 | 5297870 | 5428826 | 5360458 | 1.23 | cps |
| Titanium | 47-1 | 9287138 | 9393988 | 9239186 | 9306770 | 0.85 | cps |
| Uranium | 238-1 | 15520681 | 16117064 | 15993255 | 15877000 | 1.98 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCV01 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:50:37 | DataFile Name : | 020CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 1007437 | 1021858 | 1022821 | 1017372 | 0.85 | cps |
| Ytterbium | 172-1 | 503 | 503 | 557 | 521 | 5.91 | cps |
| Ytterbium | 172-2 | 210 | 247 | 187 | 214 | 14.10 | cps |
| Ytterbium | 176-1 | 26991 | 28237 | 28224 | 27817 | 2.57 | cps |
| Ytterbium | 176-2 | 10554 | 10574 | 10251 | 10460 | 1.73 | cps |
| Yttrium | 89-1 | 15486313 | 15323060 | 15530966 | 15446780 | 0.71 | cps |
| Yttrium | 89-2 | 1121248 | 1118158 | 1132554 | 1123987 | 0.67 | cps |
| Zinc | 66-2 | 2259658 | 2337587 | 2332982 | 2310076 | 1.89 | cps |
| Zirconium | 90-1 | 11314468 | 12064026 | 11665149 | 11681214 | 3.21 | cps |
| Zirconium | 91-1 | 2616013 | 2615835 | 2655727 | 2629192 | 0.87 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCB01 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:54:04 | DataFile Name : | 021CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 140 | 123 | 103 | 122 | 15.02 | cps |
| Antimony | 121-1 | 1930 | 1667 | 1597 | 1731 | 10.15 | cps |
| Arsenic | 75-2 | 13 | 10 | 3 | 9 | 57.30 | cps |
| Barium | 135-1 | 150 | 133 | 147 | 143 | 6.15 | cps |
| Barium | 137-1 | 313 | 280 | 187 | 260 | 25.25 | cps |
| Beryllium | 9-1 | 384 | 337 | 355 | 359 | 6.51 | cps |
| Bismuth | 209-1 | 5897645 | 6042763 | 6062347 | 6000919 | 1.50 | cps |
| Bismuth | 209-2 | 2799194 | 2790719 | 2825529 | 2805147 | 0.65 | cps |
| Bromine | 81-1 | 21991 | 21860 | 21804 | 21885 | 0.44 | cps |
| Cadmium | 108-1 | 23 | 27 | 17 | 22 | 22.91 | cps |
| Cadmium | 106-1 | 4998 | 5381 | 5404 | 5261 | 4.34 | cps |
| Cadmium | 111-1 | 3559 | 3821 | 3805 | 3728 | 3.95 | cps |
| Calcium | 43-1 | 837 | 683 | 730 | 750 | 10.48 | cps |
| Calcium | 44-1 | 26414 | 26247 | 25867 | 26176 | 1.07 | cps |
| Carbon | 12-1 | 2395306 | 2354521 | 2298936 | 2349588 | 2.06 | cps |
| Carbon | 12-2 | 15311 | 15492 | 15528 | 15444 | 0.75 | cps |
| Chlorine | 35-1 | 1367400 | 1265994 | 1179024 | 1270806 | 7.42 | cps |
| Chlorine | 35-2 | 4374 | 4157 | 4131 | 4221 | 3.16 | cps |
| Chromium | 52-2 | 600 | 663 | 557 | 607 | 8.84 | cps |
| Cobalt | 59-2 | 70 | 73 | 67 | 70 | 4.76 | cps |
| Copper | 63-2 | 1780 | 1707 | 1710 | 1732 | 2.39 | cps |
| Dysprosium | 156-1 | 13 | 10 | 10 | 11 | 17.30 | cps |
| Dysprosium | 156-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Erbium | 164-1 | 120 | 63 | 93 | 92 | 30.74 | cps |
| Erbium | 164-2 | 17 | 27 | 33 | 26 | 32.81 | cps |
| Gadolinium | 160-1 | 77 | 70 | 93 | 80 | 15.02 | cps |
| Gadolinium | 160-2 | 10 | 7 | 10 | 9 | 21.63 | cps |
| Holmium | 165-1 | 10048287 | 9678706 | 9850411 | 9859135 | 1.88 | cps |
| Holmium | 165-2 | 3940087 | 3827040 | 3819245 | 3862124 | 1.75 | cps |
| Indium | 115-1 | 8914317 | 8868026 | 9010059 | 8930800 | 0.81 | cps |
| Indium | 115-2 | 919365 | 915875 | 929332 | 921524 | 0.76 | cps |
| Iron | 54-2 | 610 | 570 | 600 | 593 | 3.51 | cps |
| Iron | 56-2 | 8019 | 7562 | 7325 | 7635 | 4.62 | cps |
| Iron | 57-2 | 180 | 147 | 203 | 177 | 16.12 | cps |
| Krypton | 83-1 | 180 | 177 | 180 | 179 | 1.07 | cps |
| Lead | 206-1 | 1570 | 1343 | 1280 | 1398 | 10.91 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCB01 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:54:04 | DataFile Name : | 021CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 1363 | 1270 | 1120 | 1251 | 9.81 | cps |
| Lead | 208-1 | 6054 | 5454 | 5144 | 5551 | 8.34 | cps |
| Lithium | 6-1 | 3374690 | 3383006 | 3367356 | 3375017 | 0.23 | cps |
| Magnesium | 24-2 | 1017 | 823 | 770 | 870 | 14.92 | cps |
| Manganese | 55-2 | 817 | 953 | 867 | 879 | 7.87 | cps |
| Molybdenum | 94-1 | 1310 | 1117 | 993 | 1140 | 14.00 | cps |
| Molybdenum | 95-1 | 1097 | 1050 | 897 | 1014 | 10.31 | cps |
| Molybdenum | 96-1 | 1357 | 1180 | 1103 | 1213 | 10.71 | cps |
| Molybdenum | 97-1 | 680 | 610 | 533 | 608 | 12.07 | cps |
| Molybdenum | 98-1 | 1840 | 1530 | 1270 | 1547 | 18.45 | cps |
| Neodymium | 150-1 | 17 | 13 | 7 | 12 | 41.65 | cps |
| Neodymium | 150-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Nickel | 60-2 | 143 | 130 | 137 | 137 | 4.88 | cps |
| Phosphorus | 31-2 | 63 | 47 | 77 | 62 | 24.16 | cps |
| Potassium | 39-2 | 15532 | 15592 | 15265 | 15463 | 1.13 | cps |
| Rhodium | 103-1 | 8416521 | 8270311 | 8372952 | 8353261 | 0.90 | cps |
| Rhodium | 103-2 | 3508000 | 3550969 | 3412924 | 3490631 | 2.02 | cps |
| Scandium | 45-1 | 5741151 | 5857176 | 5931728 | 5843352 | 1.64 | cps |
| Scandium | 45-2 | 110477 | 110383 | 109930 | 110263 | 0.27 | cps |
| Selenium | 82-1 | 50 | 50 | 47 | 49 | 3.94 | cps |
| Selenium | 77-2 | 0 | 0 | 3 | 1 | 173.21 | cps |
| Selenium | 78-2 | 7 | 17 | 30 | 18 | 65.83 | cps |
| Silicon | 28-1 | 497565 | 497039 | 547584 | 514063 | 5.65 | cps |
| Silver | 107-1 | 797 | 737 | 653 | 729 | 9.88 | cps |
| Silver | 109-1 | 733 | 617 | 593 | 648 | 11.58 | cps |
| Sodium | 23-2 | 38812 | 38892 | 39166 | 38956 | 0.48 | cps |
| Strontium | 86-1 | 343 | 363 | 433 | 380 | 12.44 | cps |
| Strontium | 88-1 | 573 | 450 | 450 | 491 | 14.50 | cps |
| Sulfur | 34-1 | 551809 | 559379 | 558876 | 556688 | 0.76 | cps |
| Terbium | 159-1 | 10412859 | 10428652 | 10368453 | 10403321 | 0.30 | cps |
| Terbium | 159-2 | 3785427 | 3725791 | 3779588 | 3763602 | 0.87 | cps |
| Thallium | 203-1 | 707 | 587 | 687 | 660 | 9.74 | cps |
| Thallium | 205-1 | 1793 | 1573 | 1590 | 1652 | 7.41 | cps |
| Tin | 118-1 | 1870 | 1777 | 1880 | 1842 | 3.09 | cps |
| Titanium | 47-1 | 493 | 443 | 463 | 467 | 5.39 | cps |
| Uranium | 238-1 | 300 | 237 | 207 | 248 | 19.23 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCB01 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB01 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 13:54:04 | DataFile Name : | 021CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 17 | 10 | 7 | 11 | 45.82 | cps |
| Ytterbium | 172-1 | 73 | 70 | 77 | 73 | 4.55 | cps |
| Ytterbium | 172-2 | 33 | 53 | 27 | 38 | 36.73 | cps |
| Ytterbium | 176-1 | 1267 | 1457 | 1310 | 1345 | 7.41 | cps |
| Ytterbium | 176-2 | 373 | 323 | 327 | 341 | 8.20 | cps |
| Yttrium | 89-1 | 16161266 | 16245704 | 16171545 | 16192839 | 0.28 | cps |
| Yttrium | 89-2 | 1192691 | 1177518 | 1193642 | 1187951 | 0.76 | cps |
| Zinc | 66-2 | 337 | 283 | 283 | 301 | 10.23 | cps |
| Zirconium | 90-1 | 1967 | 1863 | 1647 | 1826 | 8.95 | cps |
| Zirconium | 91-1 | 380 | 333 | 390 | 368 | 8.22 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CRI | Instrumnet Name : | P8 |
| Client Sample ID : | CRI | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 14:01:58 | DataFile Name : | 023LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 873 | 983 | 953 | 937 | 6.07 | cps |
| Antimony | 121-1 | 26008 | 26112 | 26229 | 26116 | 0.42 | cps |
| Arsenic | 75-2 | 353 | 273 | 257 | 294 | 17.55 | cps |
| Barium | 135-1 | 27164 | 27926 | 27932 | 27674 | 1.60 | cps |
| Barium | 137-1 | 47296 | 47794 | 48022 | 47704 | 0.78 | cps |
| Beryllium | 9-1 | 3771 | 3708 | 3779 | 3753 | 1.04 | cps |
| Bismuth | 209-1 | 5852184 | 6020678 | 6007739 | 5960201 | 1.57 | cps |
| Bismuth | 209-2 | 2772505 | 2801599 | 2778793 | 2784299 | 0.55 | cps |
| Bromine | 81-1 | 21463 | 21487 | 21457 | 21469 | 0.07 | cps |
| Cadmium | 108-1 | 260 | 240 | 257 | 252 | 4.25 | cps |
| Cadmium | 106-1 | 5388 | 5745 | 5658 | 5597 | 3.32 | cps |
| Cadmium | 111-1 | 6633 | 6727 | 6561 | 6640 | 1.25 | cps |
| Calcium | 43-1 | 19860 | 20929 | 20475 | 20421 | 2.63 | cps |
| Calcium | 44-1 | 337135 | 343145 | 342949 | 341076 | 1.00 | cps |
| Carbon | 12-1 | 2528919 | 2504380 | 2519024 | 2517441 | 0.49 | cps |
| Carbon | 12-2 | 16813 | 16259 | 16880 | 16651 | 2.05 | cps |
| Chlorine | 35-1 | 475689 | 462799 | 442664 | 460384 | 3.62 | cps |
| Chlorine | 35-2 | 1690 | 1533 | 1667 | 1630 | 5.19 | cps |
| Chromium | 52-2 | 5665 | 5648 | 5675 | 5662 | 0.24 | cps |
| Cobalt | 59-2 | 4864 | 5161 | 5211 | 5079 | 3.69 | cps |
| Copper | 63-2 | 9360 | 9186 | 9543 | 9363 | 1.91 | cps |
| Dysprosium | 156-1 | 17 | 17 | 10 | 14 | 26.66 | cps |
| Dysprosium | 156-2 | 3 | 10 | 0 | 4 | 114.60 | cps |
| Erbium | 164-1 | 107 | 70 | 67 | 81 | 27.36 | cps |
| Erbium | 164-2 | 30 | 17 | 20 | 22 | 31.22 | cps |
| Gadolinium | 160-1 | 87 | 73 | 100 | 87 | 15.39 | cps |
| Gadolinium | 160-2 | 20 | 23 | 13 | 19 | 26.96 | cps |
| Holmium | 165-1 | 9896400 | 9870816 | 10135875 | 9967697 | 1.47 | cps |
| Holmium | 165-2 | 3836332 | 3811672 | 3892116 | 3846706 | 1.07 | cps |
| Indium | 115-1 | 8965881 | 8792872 | 8758093 | 8838949 | 1.26 | cps |
| Indium | 115-2 | 919024 | 930401 | 926130 | 925185 | 0.62 | cps |
| Iron | 54-2 | 5805 | 5768 | 5878 | 5817 | 0.96 | cps |
| Iron | 56-2 | 102095 | 102156 | 102444 | 102232 | 0.18 | cps |
| Iron | 57-2 | 2654 | 2587 | 2440 | 2560 | 4.26 | cps |
| Krypton | 83-1 | 220 | 173 | 220 | 204 | 13.18 | cps |
| Lead | 206-1 | 7562 | 7302 | 7496 | 7453 | 1.81 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CRI | Instrumnet Name : | P8 |
| Client Sample ID : | CRI | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 14:01:58 | DataFile Name : | 023LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 6532 | 6648 | 6372 | 6517 | 2.13 | cps |
| Lead | 208-1 | 29563 | 29790 | 29660 | 29671 | 0.38 | cps |
| Lithium | 6-1 | 3382641 | 3459838 | 3417582 | 3420020 | 1.13 | cps |
| Magnesium | 24-2 | 77186 | 76536 | 76305 | 76676 | 0.60 | cps |
| Manganese | 55-2 | 1937 | 1937 | 1913 | 1929 | 0.70 | cps |
| Molybdenum | 94-1 | 26826 | 26405 | 26939 | 26723 | 1.05 | cps |
| Molybdenum | 95-1 | 30851 | 31265 | 31469 | 31195 | 1.01 | cps |
| Molybdenum | 96-1 | 34506 | 34833 | 34576 | 34639 | 0.50 | cps |
| Molybdenum | 97-1 | 19310 | 19110 | 19788 | 19403 | 1.79 | cps |
| Molybdenum | 98-1 | 49826 | 49635 | 49672 | 49711 | 0.20 | cps |
| Neodymium | 150-1 | 13 | 3 | 17 | 11 | 62.48 | cps |
| Neodymium | 150-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Nickel | 60-2 | 1393 | 1403 | 1337 | 1378 | 2.61 | cps |
| Phosphorus | 31-2 | 687 | 660 | 647 | 664 | 3.07 | cps |
| Potassium | 39-2 | 60627 | 60382 | 60791 | 60600 | 0.34 | cps |
| Rhodium | 103-1 | 8208981 | 8393876 | 8376671 | 8326509 | 1.23 | cps |
| Rhodium | 103-2 | 3400988 | 3427067 | 3431915 | 3419990 | 0.49 | cps |
| Scandium | 45-1 | 5877919 | 5897259 | 5809767 | 5861648 | 0.78 | cps |
| Scandium | 45-2 | 109792 | 110689 | 111313 | 110598 | 0.69 | cps |
| Selenium | 82-1 | 1010 | 1083 | 1107 | 1067 | 4.73 | cps |
| Selenium | 77-2 | 13 | 20 | 17 | 17 | 20.01 | cps |
| Selenium | 78-2 | 60 | 80 | 80 | 73 | 15.75 | cps |
| Silicon | 28-1 | 557478 | 540555 | 540940 | 546324 | 1.77 | cps |
| Silver | 107-1 | 16667 | 17111 | 17014 | 16930 | 1.38 | cps |
| Silver | 109-1 | 15142 | 15859 | 16063 | 15688 | 3.08 | cps |
| Sodium | 23-2 | 180772 | 180306 | 181998 | 181025 | 0.48 | cps |
| Strontium | 86-1 | 4337 | 4127 | 4394 | 4286 | 3.28 | cps |
| Strontium | 88-1 | 34556 | 34269 | 35381 | 34735 | 1.66 | cps |
| Sulfur | 34-1 | 583064 | 586971 | 585797 | 585277 | 0.34 | cps |
| Terbium | 159-1 | 10605208 | 10541400 | 10444083 | 10530231 | 0.77 | cps |
| Terbium | 159-2 | 3739842 | 3711083 | 3659056 | 3703327 | 1.11 | cps |
| Thallium | 203-1 | 10181 | 10368 | 10438 | 10329 | 1.29 | cps |
| Thallium | 205-1 | 24480 | 24937 | 24844 | 24754 | 0.98 | cps |
| Tin | 118-1 | 51456 | 51319 | 51323 | 51366 | 0.15 | cps |
| Titanium | 47-1 | 9310 | 9530 | 9860 | 9567 | 2.90 | cps |
| Uranium | 238-1 | 28261 | 28619 | 29270 | 28717 | 1.78 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CRI | Instrumnet Name : | P8 |
| Client Sample ID : | CRI | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 14:01:58 | DataFile Name : | 023LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 9723 | 9567 | 9673 | 9654 | 0.83 | cps |
| Ytterbium | 172-1 | 93 | 97 | 43 | 78 | 38.42 | cps |
| Ytterbium | 172-2 | 50 | 30 | 43 | 41 | 24.77 | cps |
| Ytterbium | 176-1 | 1283 | 1400 | 1313 | 1332 | 4.55 | cps |
| Ytterbium | 176-2 | 400 | 390 | 360 | 383 | 5.43 | cps |
| Yttrium | 89-1 | 16071136 | 16253714 | 16261658 | 16195503 | 0.67 | cps |
| Yttrium | 89-2 | 1177068 | 1183952 | 1182401 | 1181140 | 0.31 | cps |
| Zinc | 66-2 | 2537 | 2357 | 2594 | 2496 | 4.95 | cps |
| Zirconium | 90-1 | 23664 | 24057 | 24525 | 24082 | 1.79 | cps |
| Zirconium | 91-1 | 5458 | 5514 | 5544 | 5506 | 0.80 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16DLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725DL | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:05:21 | DataFile Name : | 024AREF.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 749972 | 753483 | 738377 | 747277 | 1.06 | cps |
| Antimony | 121-1 | 620 | 670 | 617 | 636 | 4.70 | cps |
| Arsenic | 75-2 | 1680 | 1873 | 1750 | 1768 | 5.54 | cps |
| Barium | 135-1 | 68184 | 70549 | 69550 | 69428 | 1.71 | cps |
| Barium | 137-1 | 119159 | 122203 | 121288 | 120883 | 1.29 | cps |
| Beryllium | 9-1 | 9546 | 9668 | 9603 | 9606 | 0.64 | cps |
| Bismuth | 209-1 | 6052946 | 5924734 | 5833382 | 5937021 | 1.86 | cps |
| Bismuth | 209-2 | 2661432 | 2691166 | 2692595 | 2681731 | 0.66 | cps |
| Bromine | 81-1 | 24779 | 24982 | 24308 | 24690 | 1.40 | cps |
| Cadmium | 108-1 | 520 | 493 | 543 | 519 | 4.82 | cps |
| Cadmium | 106-1 | 6432 | 6565 | 6545 | 6514 | 1.10 | cps |
| Cadmium | 111-1 | 10740 | 11109 | 11136 | 10995 | 2.01 | cps |
| Calcium | 43-1 | 1762103 | 1727806 | 1759377 | 1749762 | 1.09 | cps |
| Calcium | 44-1 | 27563484 | 28660400 | 28489150 | 28237678 | 2.09 | cps |
| Carbon | 12-1 | 3476588 | 3546488 | 3615355 | 3546144 | 1.96 | cps |
| Carbon | 12-2 | 24641 | 24918 | 24370 | 24643 | 1.11 | cps |
| Chlorine | 35-1 | 487037 | 492464 | 490444 | 489982 | 0.56 | cps |
| Chlorine | 35-2 | 1887 | 1883 | 1957 | 1909 | 2.17 | cps |
| Chromium | 52-2 | 23409 | 23025 | 22855 | 23096 | 1.23 | cps |
| Cobalt | 59-2 | 274269 | 276469 | 271865 | 274201 | 0.84 | cps |
| Copper | 63-2 | 234670 | 236232 | 232088 | 234330 | 0.89 | cps |
| Dysprosium | 156-1 | 187767 | 187976 | 189538 | 188427 | 0.51 | cps |
| Dysprosium | 156-2 | 50836 | 51452 | 50923 | 51070 | 0.65 | cps |
| Erbium | 164-1 | 132822 | 135657 | 136842 | 135107 | 1.53 | cps |
| Erbium | 164-2 | 48735 | 47916 | 48505 | 48385 | 0.87 | cps |
| Gadolinium | 160-1 | 135305 | 135006 | 134904 | 135072 | 0.15 | cps |
| Gadolinium | 160-2 | 56897 | 57235 | 57516 | 57216 | 0.54 | cps |
| Holmium | 165-1 | 10069279 | 10072622 | 10139659 | 10093853 | 0.39 | cps |
| Holmium | 165-2 | 3863965 | 3851460 | 3801162 | 3838862 | 0.87 | cps |
| Indium | 115-1 | 8876544 | 8719446 | 8826882 | 8807624 | 0.91 | cps |
| Indium | 115-2 | 896546 | 905219 | 891104 | 897623 | 0.79 | cps |
| Iron | 54-2 | 350916 | 352301 | 345418 | 349545 | 1.04 | cps |
| Iron | 56-2 | 6535625 | 6520107 | 6440286 | 6498673 | 0.79 | cps |
| Iron | 57-2 | 163523 | 163209 | 160135 | 162289 | 1.15 | cps |
| Krypton | 83-1 | 293 | 347 | 363 | 334 | 10.93 | cps |
| Lead | 206-1 | 66895 | 69049 | 68095 | 68013 | 1.59 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16DLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725DL | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:05:21 | DataFile Name : | 024AREF.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 56061 | 55418 | 56024 | 55834 | 0.65 | cps |
| Lead | 208-1 | 257335 | 260726 | 261169 | 259744 | 0.81 | cps |
| Lithium | 6-1 | 3462029 | 3348409 | 3454433 | 3421624 | 1.86 | cps |
| Magnesium | 24-2 | 1118233 | 1135694 | 1123689 | 1125872 | 0.79 | cps |
| Manganese | 55-2 | 4220449 | 4200527 | 4088387 | 4169788 | 1.71 | cps |
| Molybdenum | 94-1 | 1700 | 1950 | 2064 | 1905 | 9.76 | cps |
| Molybdenum | 95-1 | 593 | 587 | 613 | 598 | 2.32 | cps |
| Molybdenum | 96-1 | 780 | 633 | 697 | 703 | 10.46 | cps |
| Molybdenum | 97-1 | 210 | 203 | 223 | 212 | 4.80 | cps |
| Molybdenum | 98-1 | 550 | 543 | 493 | 529 | 5.86 | cps |
| Neodymium | 150-1 | 189957 | 196887 | 194604 | 193816 | 1.82 | cps |
| Neodymium | 150-2 | 50167 | 50384 | 48491 | 49680 | 2.09 | cps |
| Nickel | 60-2 | 62189 | 62667 | 62413 | 62423 | 0.38 | cps |
| Phosphorus | 31-2 | 2084 | 1917 | 1913 | 1971 | 4.93 | cps |
| Potassium | 39-2 | 839320 | 831253 | 834747 | 835107 | 0.48 | cps |
| Rhodium | 103-1 | 8264298 | 8223509 | 8278757 | 8255522 | 0.35 | cps |
| Rhodium | 103-2 | 3320737 | 3275160 | 3250656 | 3282184 | 1.08 | cps |
| Scandium | 45-1 | 5911659 | 5989664 | 5814553 | 5905292 | 1.49 | cps |
| Scandium | 45-2 | 107156 | 106212 | 107979 | 107116 | 0.83 | cps |
| Selenium | 82-1 | 313 | 263 | 260 | 279 | 10.71 | cps |
| Selenium | 77-2 | 193 | 167 | 190 | 183 | 7.93 | cps |
| Selenium | 78-2 | 127 | 133 | 150 | 137 | 8.79 | cps |
| Silicon | 28-1 | 69501077 | 68700621 | 68876039 | 69025912 | 0.61 | cps |
| Silver | 107-1 | 510 | 480 | 467 | 486 | 4.57 | cps |
| Silver | 109-1 | 387 | 353 | 360 | 367 | 4.81 | cps |
| Sodium | 23-2 | 871069 | 865886 | 859191 | 865382 | 0.69 | cps |
| Strontium | 86-1 | 577367 | 574145 | 575686 | 575733 | 0.28 | cps |
| Strontium | 88-1 | 5310657 | 5064514 | 5141795 | 5172322 | 2.43 | cps |
| Sulfur | 34-1 | 4030845 | 4007947 | 3905028 | 3981273 | 1.68 | cps |
| Terbium | 159-1 | 10355579 | 10532642 | 10608817 | 10499013 | 1.24 | cps |
| Terbium | 159-2 | 3586646 | 3719513 | 3659877 | 3655345 | 1.82 | cps |
| Thallium | 203-1 | 2010 | 2020 | 2090 | 2040 | 2.14 | cps |
| Thallium | 205-1 | 4891 | 4974 | 4584 | 4817 | 4.27 | cps |
| Tin | 118-1 | 2454 | 2360 | 2400 | 2405 | 1.95 | cps |
| Titanium | 47-1 | 3167 | 3057 | 2920 | 3048 | 4.05 | cps |
| Uranium | 238-1 | 34631 | 34968 | 34440 | 34680 | 0.77 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16DLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725DL | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:05:21 | DataFile Name : | 024AREF.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 28258 | 28131 | 27663 | 28018 | 1.12 | cps |
| Ytterbium | 172-1 | 32928 | 33860 | 33128 | 33305 | 1.47 | cps |
| Ytterbium | 172-2 | 14595 | 14605 | 14665 | 14622 | 0.26 | cps |
| Ytterbium | 176-1 | 21084 | 21731 | 21711 | 21509 | 1.71 | cps |
| Ytterbium | 176-2 | 9210 | 9557 | 9543 | 9437 | 2.08 | cps |
| Yttrium | 89-1 | 19073358 | 19044115 | 18738348 | 18951940 | 0.98 | cps |
| Yttrium | 89-2 | 1340677 | 1339823 | 1340324 | 1340275 | 0.03 | cps |
| Zinc | 66-2 | 161593 | 162892 | 158074 | 160853 | 1.55 | cps |
| Zirconium | 90-1 | 4424 | 4621 | 4397 | 4481 | 2.72 | cps |
| Zirconium | 91-1 | 970 | 1000 | 927 | 966 | 3.82 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16DUPDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725DUPI | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:08:39 | DataFile Name : | 025AREF.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 740053 | 740181 | 722177 | 734137 | 1.41 | cps |
| Antimony | 121-1 | 400 | 433 | 420 | 418 | 4.02 | cps |
| Arsenic | 75-2 | 1533 | 1703 | 1697 | 1645 | 5.86 | cps |
| Barium | 135-1 | 67437 | 69568 | 68073 | 68359 | 1.60 | cps |
| Barium | 137-1 | 118134 | 119580 | 118339 | 118684 | 0.66 | cps |
| Beryllium | 9-1 | 9287 | 9329 | 9220 | 9279 | 0.59 | cps |
| Bismuth | 209-1 | 5967771 | 5999140 | 5882224 | 5949712 | 1.02 | cps |
| Bismuth | 209-2 | 2640687 | 2693896 | 2681302 | 2671962 | 1.04 | cps |
| Bromine | 81-1 | 24201 | 24231 | 23690 | 24041 | 1.26 | cps |
| Cadmium | 108-1 | 417 | 473 | 513 | 468 | 10.38 | cps |
| Cadmium | 106-1 | 6408 | 6545 | 6211 | 6388 | 2.62 | cps |
| Cadmium | 111-1 | 10749 | 10885 | 10517 | 10717 | 1.74 | cps |
| Calcium | 43-1 | 1704001 | 1707270 | 1744072 | 1718448 | 1.29 | cps |
| Calcium | 44-1 | 27557251 | 27787866 | 27037293 | 27460803 | 1.40 | cps |
| Carbon | 12-1 | 3444674 | 3528871 | 3543548 | 3505698 | 1.52 | cps |
| Carbon | 12-2 | 24320 | 24514 | 24120 | 24318 | 0.81 | cps |
| Chlorine | 35-1 | 425782 | 434222 | 435144 | 431716 | 1.20 | cps |
| Chlorine | 35-2 | 1780 | 1933 | 1823 | 1846 | 4.28 | cps |
| Chromium | 52-2 | 23286 | 23696 | 23800 | 23594 | 1.15 | cps |
| Cobalt | 59-2 | 270735 | 270796 | 266583 | 269372 | 0.90 | cps |
| Copper | 63-2 | 227440 | 232799 | 227409 | 229216 | 1.35 | cps |
| Dysprosium | 156-1 | 181902 | 184630 | 183333 | 183288 | 0.74 | cps |
| Dysprosium | 156-2 | 50184 | 50482 | 50712 | 50459 | 0.53 | cps |
| Erbium | 164-1 | 133112 | 134323 | 135930 | 134455 | 1.05 | cps |
| Erbium | 164-2 | 47698 | 47434 | 47267 | 47467 | 0.46 | cps |
| Gadolinium | 160-1 | 132683 | 134187 | 133144 | 133338 | 0.58 | cps |
| Gadolinium | 160-2 | 56368 | 57108 | 55943 | 56473 | 1.04 | cps |
| Holmium | 165-1 | 9958991 | 9930653 | 10029939 | 9973194 | 0.51 | cps |
| Holmium | 165-2 | 3801106 | 3824343 | 3730175 | 3785208 | 1.30 | cps |
| Indium | 115-1 | 8624867 | 8706502 | 8787381 | 8706250 | 0.93 | cps |
| Indium | 115-2 | 897369 | 894486 | 885577 | 892478 | 0.69 | cps |
| Iron | 54-2 | 342042 | 344302 | 339170 | 341838 | 0.75 | cps |
| Iron | 56-2 | 6392283 | 6414699 | 6390849 | 6399277 | 0.21 | cps |
| Iron | 57-2 | 159366 | 160303 | 157237 | 158969 | 0.99 | cps |
| Krypton | 83-1 | 377 | 327 | 353 | 352 | 7.10 | cps |
| Lead | 206-1 | 65454 | 65856 | 65806 | 65705 | 0.33 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16DUPDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725DUPI | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:08:39 | DataFile Name : | 025AREF.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 55773 | 54276 | 53855 | 54635 | 1.84 | cps |
| Lead | 208-1 | 254905 | 254327 | 255327 | 254853 | 0.20 | cps |
| Lithium | 6-1 | 3431803 | 3370799 | 3393262 | 3398621 | 0.91 | cps |
| Magnesium | 24-2 | 1087707 | 1099759 | 1092352 | 1093272 | 0.56 | cps |
| Manganese | 55-2 | 4083458 | 4083474 | 4055225 | 4074052 | 0.40 | cps |
| Molybdenum | 94-1 | 1530 | 1737 | 1637 | 1635 | 6.32 | cps |
| Molybdenum | 95-1 | 547 | 657 | 660 | 621 | 10.38 | cps |
| Molybdenum | 96-1 | 717 | 717 | 743 | 726 | 2.12 | cps |
| Molybdenum | 97-1 | 230 | 200 | 250 | 227 | 11.10 | cps |
| Molybdenum | 98-1 | 553 | 553 | 470 | 526 | 9.16 | cps |
| Neodymium | 150-1 | 186032 | 193134 | 190750 | 189972 | 1.90 | cps |
| Neodymium | 150-2 | 49708 | 48611 | 48638 | 48986 | 1.28 | cps |
| Nickel | 60-2 | 61174 | 62928 | 61817 | 61973 | 1.43 | cps |
| Phosphorus | 31-2 | 1843 | 1840 | 1900 | 1861 | 1.81 | cps |
| Potassium | 39-2 | 828475 | 829341 | 824126 | 827314 | 0.34 | cps |
| Rhodium | 103-1 | 8337586 | 8302028 | 8311621 | 8317078 | 0.22 | cps |
| Rhodium | 103-2 | 3286292 | 3253561 | 3186701 | 3242185 | 1.57 | cps |
| Scandium | 45-1 | 5705236 | 5774498 | 5650403 | 5710046 | 1.09 | cps |
| Scandium | 45-2 | 106625 | 108818 | 106361 | 107268 | 1.26 | cps |
| Selenium | 82-1 | 223 | 263 | 290 | 259 | 12.96 | cps |
| Selenium | 77-2 | 183 | 177 | 240 | 200 | 17.40 | cps |
| Selenium | 78-2 | 147 | 113 | 143 | 134 | 13.65 | cps |
| Silicon | 28-1 | 68256122 | 68138336 | 66523331 | 67639263 | 1.43 | cps |
| Silver | 107-1 | 370 | 367 | 417 | 384 | 7.27 | cps |
| Silver | 109-1 | 230 | 300 | 213 | 248 | 18.56 | cps |
| Sodium | 23-2 | 858744 | 851791 | 851834 | 854123 | 0.47 | cps |
| Strontium | 86-1 | 565142 | 571230 | 566159 | 567511 | 0.57 | cps |
| Strontium | 88-1 | 5145900 | 5075929 | 5197448 | 5139759 | 1.19 | cps |
| Sulfur | 34-1 | 3868074 | 3864402 | 3798385 | 3843620 | 1.02 | cps |
| Terbium | 159-1 | 10511373 | 10407854 | 10136955 | 10352061 | 1.87 | cps |
| Terbium | 159-2 | 3603051 | 3649713 | 3576554 | 3609773 | 1.03 | cps |
| Thallium | 203-1 | 1930 | 1997 | 1853 | 1927 | 3.72 | cps |
| Thallium | 205-1 | 4568 | 4591 | 4678 | 4612 | 1.26 | cps |
| Tin | 118-1 | 2067 | 1984 | 1870 | 1974 | 5.00 | cps |
| Titanium | 47-1 | 3017 | 3027 | 2747 | 2930 | 5.42 | cps |
| Uranium | 238-1 | 33558 | 34604 | 34306 | 34156 | 1.58 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

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|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16DUPDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725DUPI | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:08:39 | DataFile Name : | 025AREF.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 27917 | 27707 | 27680 | 27768 | 0.47 | cps |
| Ytterbium | 172-1 | 32530 | 33599 | 33148 | 33092 | 1.62 | cps |
| Ytterbium | 172-2 | 14254 | 14481 | 14201 | 14312 | 1.04 | cps |
| Ytterbium | 176-1 | 21491 | 20923 | 21324 | 21246 | 1.37 | cps |
| Ytterbium | 176-2 | 9000 | 9433 | 8823 | 9085 | 3.46 | cps |
| Yttrium | 89-1 | 18612298 | 18722839 | 18518254 | 18617797 | 0.55 | cps |
| Yttrium | 89-2 | 1333122 | 1332139 | 1338798 | 1334686 | 0.27 | cps |
| Zinc | 66-2 | 156103 | 156335 | 156726 | 156388 | 0.20 | cps |
| Zirconium | 90-1 | 4294 | 4467 | 4237 | 4333 | 2.77 | cps |
| Zirconium | 91-1 | 1053 | 1003 | 940 | 999 | 5.69 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16LDLX25 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725LDL | Dilution Factor : | 25 |
| Date & Time Acquired : | 2025-05-22 14:11:55 | DataFile Name : | 026AREF.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 157844 | 159421 | 155609 | 157625 | 1.22 | cps |
| Antimony | 121-1 | 667 | 563 | 677 | 636 | 9.87 | cps |
| Arsenic | 75-2 | 357 | 330 | 420 | 369 | 12.53 | cps |
| Barium | 135-1 | 14448 | 14408 | 14765 | 14540 | 1.35 | cps |
| Barium | 137-1 | 24779 | 25113 | 24930 | 24941 | 0.67 | cps |
| Beryllium | 9-1 | 2112 | 2112 | 2120 | 2115 | 0.20 | cps |
| Bismuth | 209-1 | 5952428 | 5991420 | 6082615 | 6008821 | 1.11 | cps |
| Bismuth | 209-2 | 2671859 | 2766749 | 2749423 | 2729344 | 1.85 | cps |
| Bromine | 81-1 | 21580 | 22047 | 21189 | 21606 | 1.99 | cps |
| Cadmium | 108-1 | 167 | 120 | 130 | 139 | 17.69 | cps |
| Cadmium | 106-1 | 5278 | 5268 | 5358 | 5301 | 0.93 | cps |
| Cadmium | 111-1 | 4951 | 5154 | 5083 | 5063 | 2.03 | cps |
| Calcium | 43-1 | 357340 | 364053 | 360303 | 360565 | 0.93 | cps |
| Calcium | 44-1 | 5898344 | 5903605 | 5898260 | 5900070 | 0.05 | cps |
| Carbon | 12-1 | 2631179 | 2655214 | 2648243 | 2644879 | 0.47 | cps |
| Carbon | 12-2 | 17744 | 17808 | 17434 | 17662 | 1.13 | cps |
| Chlorine | 35-1 | 285969 | 284394 | 279803 | 283389 | 1.13 | cps |
| Chlorine | 35-2 | 1103 | 1167 | 1023 | 1098 | 6.54 | cps |
| Chromium | 52-2 | 5328 | 5201 | 5518 | 5349 | 2.98 | cps |
| Cobalt | 59-2 | 57552 | 57064 | 57954 | 57523 | 0.77 | cps |
| Copper | 63-2 | 50493 | 49851 | 51111 | 50485 | 1.25 | cps |
| Dysprosium | 156-1 | 38686 | 38445 | 39374 | 38835 | 1.24 | cps |
| Dysprosium | 156-2 | 10447 | 10601 | 10444 | 10498 | 0.85 | cps |
| Erbium | 164-1 | 27836 | 28367 | 28835 | 28346 | 1.76 | cps |
| Erbium | 164-2 | 10084 | 10007 | 9730 | 9940 | 1.87 | cps |
| Gadolinium | 160-1 | 28096 | 28771 | 28066 | 28311 | 1.41 | cps |
| Gadolinium | 160-2 | 11849 | 11895 | 12209 | 11984 | 1.64 | cps |
| Holmium | 165-1 | 9997321 | 10098059 | 9966907 | 10020763 | 0.69 | cps |
| Holmium | 165-2 | 3785553 | 3716266 | 3731468 | 3744429 | 0.97 | cps |
| Indium | 115-1 | 8903723 | 8939367 | 8926021 | 8923037 | 0.20 | cps |
| Indium | 115-2 | 901237 | 903316 | 905062 | 903205 | 0.21 | cps |
| Iron | 54-2 | 74516 | 72981 | 73672 | 73723 | 1.04 | cps |
| Iron | 56-2 | 1404642 | 1361231 | 1386015 | 1383963 | 1.57 | cps |
| Iron | 57-2 | 33723 | 34191 | 34602 | 34172 | 1.29 | cps |
| Krypton | 83-1 | 250 | 193 | 223 | 222 | 12.76 | cps |
| Lead | 206-1 | 14732 | 14418 | 14605 | 14585 | 1.08 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16LDLX25 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725LDL | Dilution Factor : | 25 |
| Date & Time Acquired : | 2025-05-22 14:11:55 | DataFile Name : | 026AREF.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 11615 | 12286 | 11932 | 11945 | 2.81 | cps |
| Lead | 208-1 | 55046 | 55803 | 55978 | 55609 | 0.89 | cps |
| Lithium | 6-1 | 3371988 | 3356453 | 3394358 | 3374266 | 0.56 | cps |
| Magnesium | 24-2 | 240992 | 244086 | 240234 | 241771 | 0.84 | cps |
| Manganese | 55-2 | 861914 | 850036 | 865754 | 859234 | 0.95 | cps |
| Molybdenum | 94-1 | 743 | 587 | 620 | 650 | 12.70 | cps |
| Molybdenum | 95-1 | 203 | 210 | 233 | 216 | 7.31 | cps |
| Molybdenum | 96-1 | 303 | 230 | 317 | 283 | 16.47 | cps |
| Molybdenum | 97-1 | 87 | 97 | 77 | 87 | 11.54 | cps |
| Molybdenum | 98-1 | 247 | 270 | 270 | 262 | 5.14 | cps |
| Neodymium | 150-1 | 39668 | 39859 | 40314 | 39947 | 0.83 | cps |
| Neodymium | 150-2 | 10504 | 10407 | 9754 | 10222 | 3.99 | cps |
| Nickel | 60-2 | 13537 | 13346 | 13086 | 13323 | 1.70 | cps |
| Phosphorus | 31-2 | 520 | 427 | 523 | 490 | 11.20 | cps |
| Potassium | 39-2 | 190663 | 188879 | 188532 | 189358 | 0.60 | cps |
| Rhodium | 103-1 | 8235640 | 8569787 | 8326428 | 8377285 | 2.06 | cps |
| Rhodium | 103-2 | 3358771 | 3400270 | 3417895 | 3392312 | 0.89 | cps |
| Scandium | 45-1 | 5902143 | 5701840 | 5667707 | 5757230 | 2.20 | cps |
| Scandium | 45-2 | 109208 | 108777 | 110618 | 109534 | 0.88 | cps |
| Selenium | 82-1 | 13 | 100 | 63 | 59 | 73.87 | cps |
| Selenium | 77-2 | 60 | 47 | 27 | 44 | 37.74 | cps |
| Selenium | 78-2 | 77 | 50 | 50 | 59 | 26.15 | cps |
| Silicon | 28-1 | 14683199 | 14624287 | 14855208 | 14720898 | 0.82 | cps |
| Silver | 107-1 | 180 | 227 | 187 | 198 | 12.76 | cps |
| Silver | 109-1 | 110 | 110 | 110 | 110 | 0.00 | cps |
| Sodium | 23-2 | 210950 | 212853 | 211157 | 211653 | 0.49 | cps |
| Strontium | 86-1 | 118991 | 119798 | 120370 | 119720 | 0.58 | cps |
| Strontium | 88-1 | 1035556 | 1043936 | 1054339 | 1044610 | 0.90 | cps |
| Sulfur | 34-1 | 1209458 | 1221604 | 1205054 | 1212039 | 0.71 | cps |
| Terbium | 159-1 | 10384645 | 10174254 | 10420475 | 10326458 | 1.29 | cps |
| Terbium | 159-2 | 3640223 | 3635661 | 3596098 | 3623994 | 0.67 | cps |
| Thallium | 203-1 | 573 | 527 | 587 | 562 | 5.60 | cps |
| Thallium | 205-1 | 1373 | 1340 | 1223 | 1312 | 6.00 | cps |
| Tin | 118-1 | 1810 | 1820 | 1607 | 1746 | 6.90 | cps |
| Titanium | 47-1 | 767 | 843 | 820 | 810 | 4.85 | cps |
| Uranium | 238-1 | 7165 | 7052 | 7235 | 7151 | 1.29 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16LDLX25 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725LDL | Dilution Factor : | 25 |
| Date & Time Acquired : | 2025-05-22 14:11:55 | DataFile Name : | 026AREF.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 5895 | 6071 | 5965 | 5977 | 1.49 | cps |
| Ytterbium | 172-1 | 6795 | 6798 | 6962 | 6852 | 1.39 | cps |
| Ytterbium | 172-2 | 3084 | 2897 | 3074 | 3018 | 3.48 | cps |
| Ytterbium | 176-1 | 5014 | 5451 | 5384 | 5283 | 4.45 | cps |
| Ytterbium | 176-2 | 2160 | 2167 | 2137 | 2155 | 0.73 | cps |
| Yttrium | 89-1 | 16767404 | 16637341 | 16449121 | 16617955 | 0.96 | cps |
| Yttrium | 89-2 | 1203488 | 1200542 | 1199631 | 1201220 | 0.17 | cps |
| Zinc | 66-2 | 33309 | 34412 | 34051 | 33924 | 1.66 | cps |
| Zirconium | 90-1 | 1673 | 1750 | 1900 | 1775 | 6.50 | cps |
| Zirconium | 91-1 | 393 | 383 | 350 | 376 | 6.04 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:15:17 | DataFile Name : | 027AREF.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 773687 | 779023 | 770469 | 774393 | 0.56 | cps |
| Antimony | 121-1 | 1341684 | 1375800 | 1380972 | 1366152 | 1.56 | cps |
| Arsenic | 75-2 | 1453 | 1597 | 1570 | 1540 | 4.95 | cps |
| Barium | 135-1 | 1374506 | 1409288 | 1406819 | 1396871 | 1.39 | cps |
| Barium | 137-1 | 2369792 | 2468175 | 2549990 | 2462652 | 3.66 | cps |
| Beryllium | 9-1 | 353668 | 355528 | 357064 | 355420 | 0.48 | cps |
| Bismuth | 209-1 | 5775999 | 5763393 | 5979419 | 5839604 | 2.08 | cps |
| Bismuth | 209-2 | 2705210 | 2668429 | 2645288 | 2672976 | 1.13 | cps |
| Bromine | 81-1 | 24007 | 24595 | 25263 | 24622 | 2.55 | cps |
| Cadmium | 108-1 | 24966 | 25520 | 25908 | 25465 | 1.86 | cps |
| Cadmium | 106-1 | 43057 | 45023 | 44619 | 44233 | 2.35 | cps |
| Cadmium | 111-1 | 334020 | 343452 | 341937 | 339803 | 1.49 | cps |
| Calcium | 43-1 | 1983141 | 2076199 | 2037269 | 2032203 | 2.30 | cps |
| Calcium | 44-1 | 32777335 | 33341325 | 32612649 | 32910436 | 1.16 | cps |
| Carbon | 12-1 | 3320675 | 3355439 | 3400998 | 3359038 | 1.20 | cps |
| Carbon | 12-2 | 23285 | 23225 | 23088 | 23199 | 0.44 | cps |
| Chlorine | 35-1 | 9619090 | 11072629 | 11609934 | 10767217 | 9.57 | cps |
| Chlorine | 35-2 | 51398 | 52331 | 52210 | 51980 | 0.98 | cps |
| Chromium | 52-2 | 271701 | 271733 | 271981 | 271805 | 0.06 | cps |
| Cobalt | 59-2 | 742912 | 744874 | 748093 | 745293 | 0.35 | cps |
| Copper | 63-2 | 4280003 | 4294390 | 4305041 | 4293145 | 0.29 | cps |
| Dysprosium | 156-1 | 170945 | 174165 | 177165 | 174092 | 1.79 | cps |
| Dysprosium | 156-2 | 47233 | 47698 | 48558 | 47830 | 1.41 | cps |
| Erbium | 164-1 | 124796 | 127417 | 125964 | 126059 | 1.04 | cps |
| Erbium | 164-2 | 44788 | 44431 | 44809 | 44676 | 0.48 | cps |
| Gadolinium | 160-1 | 123717 | 124515 | 128041 | 125425 | 1.83 | cps |
| Gadolinium | 160-2 | 53360 | 52724 | 53878 | 53321 | 1.08 | cps |
| Holmium | 165-1 | 9725320 | 10133010 | 10216447 | 10024926 | 2.62 | cps |
| Holmium | 165-2 | 3895274 | 3763886 | 3827003 | 3828721 | 1.72 | cps |
| Indium | 115-1 | 8717697 | 8886477 | 8674707 | 8759627 | 1.28 | cps |
| Indium | 115-2 | 895962 | 902319 | 894853 | 897711 | 0.45 | cps |
| Iron | 54-2 | 804896 | 807978 | 800420 | 804431 | 0.47 | cps |
| Iron | 56-2 | 14780412 | 14644621 | 14843918 | 14756317 | 0.69 | cps |
| Iron | 57-2 | 367284 | 372003 | 369479 | 369589 | 0.64 | cps |
| Krypton | 83-1 | 333 | 330 | 277 | 313 | 10.15 | cps |
| Lead | 206-1 | 4378564 | 4502443 | 4505532 | 4462179 | 1.62 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:15:17 | DataFile Name : | 027AREF.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 3965433 | 3992043 | 3906125 | 3954534 | 1.11 | cps |
| Lead | 208-1 | 17636456 | 17764068 | 17589906 | 17663477 | 0.51 | cps |
| Lithium | 6-1 | 3326331 | 3383236 | 3376673 | 3362080 | 0.93 | cps |
| Magnesium | 24-2 | 2580924 | 2656907 | 2593771 | 2610534 | 1.56 | cps |
| Manganese | 55-2 | 4965992 | 4957382 | 4957098 | 4960157 | 0.10 | cps |
| Molybdenum | 94-1 | 2204096 | 2289017 | 2268215 | 2253776 | 1.96 | cps |
| Molybdenum | 95-1 | 2433517 | 2481055 | 2510713 | 2475095 | 1.57 | cps |
| Molybdenum | 96-1 | 2702650 | 2727571 | 2738970 | 2723064 | 0.68 | cps |
| Molybdenum | 97-1 | 1481976 | 1508559 | 1481142 | 1490559 | 1.05 | cps |
| Molybdenum | 98-1 | 3867680 | 3863623 | 3935157 | 3888820 | 1.03 | cps |
| Neodymium | 150-1 | 177015 | 180801 | 180562 | 179459 | 1.18 | cps |
| Neodymium | 150-2 | 45815 | 46895 | 46109 | 46273 | 1.21 | cps |
| Nickel | 60-2 | 191660 | 193755 | 193167 | 192861 | 0.56 | cps |
| Phosphorus | 31-2 | 1880 | 1963 | 1713 | 1852 | 6.87 | cps |
| Potassium | 39-2 | 1206762 | 1206512 | 1215575 | 1209616 | 0.43 | cps |
| Rhodium | 103-1 | 8058304 | 8204810 | 8150152 | 8137755 | 0.91 | cps |
| Rhodium | 103-2 | 3239367 | 3304250 | 3202506 | 3248707 | 1.59 | cps |
| Scandium | 45-1 | 5821752 | 6003263 | 5845205 | 5890073 | 1.68 | cps |
| Scandium | 45-2 | 108929 | 109422 | 109322 | 109224 | 0.24 | cps |
| Selenium | 82-1 | 22409 | 22472 | 22882 | 22588 | 1.14 | cps |
| Selenium | 77-2 | 530 | 543 | 557 | 543 | 2.45 | cps |
| Selenium | 78-2 | 1530 | 1423 | 1433 | 1462 | 4.03 | cps |
| Silicon | 28-1 | 62802687 | 64022877 | 62930511 | 63252025 | 1.06 | cps |
| Silver | 107-1 | 271741 | 281502 | 286677 | 279973 | 2.71 | cps |
| Silver | 109-1 | 256325 | 264932 | 264384 | 261880 | 1.84 | cps |
| Sodium | 23-2 | 3823198 | 3905313 | 3830344 | 3852952 | 1.18 | cps |
| Strontium | 86-1 | 1002486 | 1031776 | 1044124 | 1026129 | 2.08 | cps |
| Strontium | 88-1 | 8949880 | 9311118 | 9407072 | 9222690 | 2.61 | cps |
| Sulfur | 34-1 | 3694008 | 3678856 | 3705985 | 3692950 | 0.37 | cps |
| Terbium | 159-1 | 10458317 | 10636686 | 10443720 | 10512908 | 1.02 | cps |
| Terbium | 159-2 | 3742707 | 3633417 | 3699604 | 3691909 | 1.49 | cps |
| Thallium | 203-1 | 1002709 | 1033481 | 1033644 | 1023278 | 1.74 | cps |
| Thallium | 205-1 | 2508909 | 2578009 | 2646350 | 2577756 | 2.67 | cps |
| Tin | 118-1 | 910819 | 940468 | 939246 | 930177 | 1.80 | cps |
| Titanium | 47-1 | 3057 | 3317 | 3290 | 3222 | 4.44 | cps |
| Uranium | 238-1 | 3141222 | 3116851 | 3159552 | 3139208 | 0.68 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:15:17 | DataFile Name : | 027AREF.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 228443 | 229932 | 228614 | 228996 | 0.36 | cps |
| Ytterbium | 172-1 | 31026 | 31110 | 31487 | 31208 | 0.79 | cps |
| Ytterbium | 172-2 | 13650 | 13794 | 13497 | 13647 | 1.09 | cps |
| Ytterbium | 176-1 | 25037 | 25508 | 25344 | 25297 | 0.94 | cps |
| Ytterbium | 176-2 | 10154 | 10748 | 10938 | 10613 | 3.85 | cps |
| Yttrium | 89-1 | 18122951 | 18914776 | 19166119 | 18734615 | 2.91 | cps |
| Yttrium | 89-2 | 1339449 | 1352602 | 1329806 | 1340619 | 0.85 | cps |
| Zinc | 66-2 | 595201 | 598209 | 597320 | 596910 | 0.26 | cps |
| Zirconium | 90-1 | 2352607 | 2332875 | 2365102 | 2350195 | 0.69 | cps |
| Zirconium | 91-1 | 489663 | 504032 | 505377 | 499691 | 1.74 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:18:19 | DataFile Name : | 028AREF.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 763319 | 776197 | 770895 | 770137 | 0.84 | cps |
| Antimony | 121-1 | 1334815 | 1373159 | 1368438 | 1358804 | 1.54 | cps |
| Arsenic | 75-2 | 1530 | 1423 | 1527 | 1493 | 4.06 | cps |
| Barium | 135-1 | 1369025 | 1388137 | 1388137 | 1381766 | 0.80 | cps |
| Barium | 137-1 | 2474907 | 2502422 | 2447340 | 2474889 | 1.11 | cps |
| Beryllium | 9-1 | 349369 | 356182 | 352217 | 352589 | 0.97 | cps |
| Bismuth | 209-1 | 5862113 | 5986651 | 5854783 | 5901182 | 1.26 | cps |
| Bismuth | 209-2 | 2662220 | 2752577 | 2684060 | 2699619 | 1.75 | cps |
| Bromine | 81-1 | 25517 | 24969 | 25844 | 25443 | 1.74 | cps |
| Cadmium | 108-1 | 25116 | 25293 | 25767 | 25392 | 1.33 | cps |
| Cadmium | 106-1 | 43629 | 44662 | 43696 | 43995 | 1.31 | cps |
| Cadmium | 111-1 | 337525 | 339031 | 334988 | 337181 | 0.61 | cps |
| Calcium | 43-1 | 2020339 | 2023356 | 2041278 | 2028324 | 0.56 | cps |
| Calcium | 44-1 | 33217085 | 32491021 | 33022545 | 32910217 | 1.14 | cps |
| Carbon | 12-1 | 3360238 | 3456708 | 3395919 | 3404288 | 1.43 | cps |
| Carbon | 12-2 | 23389 | 24150 | 23719 | 23753 | 1.61 | cps |
| Chlorine | 35-1 | 10544897 | 11638874 | 12388709 | 11524160 | 8.05 | cps |
| Chlorine | 35-2 | 53334 | 53766 | 52542 | 53214 | 1.17 | cps |
| Chromium | 52-2 | 271100 | 273014 | 270574 | 271563 | 0.47 | cps |
| Cobalt | 59-2 | 740143 | 750419 | 740344 | 743635 | 0.79 | cps |
| Copper | 63-2 | 4306084 | 4256129 | 4210518 | 4257577 | 1.12 | cps |
| Dysprosium | 156-1 | 171951 | 172350 | 173785 | 172695 | 0.56 | cps |
| Dysprosium | 156-2 | 47179 | 48534 | 47511 | 47742 | 1.48 | cps |
| Erbium | 164-1 | 124913 | 126118 | 124180 | 125070 | 0.78 | cps |
| Erbium | 164-2 | 44304 | 44899 | 45317 | 44840 | 1.14 | cps |
| Gadolinium | 160-1 | 124065 | 126026 | 123111 | 124401 | 1.19 | cps |
| Gadolinium | 160-2 | 53068 | 52556 | 52379 | 52668 | 0.68 | cps |
| Holmium | 165-1 | 10029517 | 9948761 | 10068233 | 10015504 | 0.61 | cps |
| Holmium | 165-2 | 3866736 | 3807737 | 3861434 | 3845303 | 0.85 | cps |
| Indium | 115-1 | 8810534 | 8946346 | 8914623 | 8890501 | 0.80 | cps |
| Indium | 115-2 | 904986 | 901184 | 895499 | 900557 | 0.53 | cps |
| Iron | 54-2 | 801337 | 805692 | 789954 | 798994 | 1.02 | cps |
| Iron | 56-2 | 14776396 | 15099152 | 14994493 | 14956680 | 1.10 | cps |
| Iron | 57-2 | 367206 | 374414 | 368730 | 370117 | 1.03 | cps |
| Krypton | 83-1 | 280 | 347 | 330 | 319 | 10.88 | cps |
| Lead | 206-1 | 4457609 | 4483754 | 4528037 | 4489800 | 0.79 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:18:19 | DataFile Name : | 028AREF.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 3820596 | 3923145 | 3837305 | 3860349 | 1.43 | cps |
| Lead | 208-1 | 17651842 | 17838425 | 17393292 | 17627853 | 1.27 | cps |
| Lithium | 6-1 | 3314114 | 3417071 | 3387774 | 3372986 | 1.57 | cps |
| Magnesium | 24-2 | 2621770 | 2554709 | 2592241 | 2589574 | 1.30 | cps |
| Manganese | 55-2 | 4929908 | 5082603 | 4935659 | 4982723 | 1.74 | cps |
| Molybdenum | 94-1 | 2216891 | 2157268 | 2217166 | 2197108 | 1.57 | cps |
| Molybdenum | 95-1 | 2365744 | 2451151 | 2375935 | 2397610 | 1.95 | cps |
| Molybdenum | 96-1 | 2669669 | 2807647 | 2739168 | 2738828 | 2.52 | cps |
| Molybdenum | 97-1 | 1497061 | 1483915 | 1495526 | 1492167 | 0.48 | cps |
| Molybdenum | 98-1 | 3863012 | 3893823 | 3893592 | 3883476 | 0.46 | cps |
| Neodymium | 150-1 | 177802 | 180984 | 177267 | 178684 | 1.12 | cps |
| Neodymium | 150-2 | 45667 | 46377 | 44818 | 45621 | 1.71 | cps |
| Nickel | 60-2 | 191258 | 192366 | 191694 | 191773 | 0.29 | cps |
| Phosphorus | 31-2 | 1620 | 1780 | 1780 | 1727 | 5.35 | cps |
| Potassium | 39-2 | 1211484 | 1235368 | 1199417 | 1215423 | 1.51 | cps |
| Rhodium | 103-1 | 8152933 | 8246189 | 8225629 | 8208250 | 0.60 | cps |
| Rhodium | 103-2 | 3326356 | 3282669 | 3298859 | 3302628 | 0.67 | cps |
| Scandium | 45-1 | 6029831 | 5906705 | 5900992 | 5945843 | 1.22 | cps |
| Scandium | 45-2 | 109150 | 112113 | 109204 | 110156 | 1.54 | cps |
| Selenium | 82-1 | 22565 | 22950 | 22659 | 22725 | 0.88 | cps |
| Selenium | 77-2 | 607 | 540 | 440 | 529 | 15.86 | cps |
| Selenium | 78-2 | 1550 | 1467 | 1460 | 1492 | 3.36 | cps |
| Silicon | 28-1 | 63868502 | 63554666 | 64520922 | 63981363 | 0.77 | cps |
| Silver | 107-1 | 272330 | 281200 | 281427 | 278319 | 1.86 | cps |
| Silver | 109-1 | 255194 | 262645 | 263188 | 260342 | 1.72 | cps |
| Sodium | 23-2 | 3839288 | 3865493 | 3923949 | 3876243 | 1.12 | cps |
| Strontium | 86-1 | 1007443 | 1022949 | 1020657 | 1017016 | 0.82 | cps |
| Strontium | 88-1 | 9315924 | 9023256 | 9207304 | 9182161 | 1.61 | cps |
| Sulfur | 34-1 | 3740384 | 3746145 | 3660281 | 3715603 | 1.29 | cps |
| Terbium | 159-1 | 10498299 | 10715998 | 10697666 | 10637321 | 1.14 | cps |
| Terbium | 159-2 | 3795829 | 3705553 | 3653910 | 3718431 | 1.93 | cps |
| Thallium | 203-1 | 1002565 | 1014640 | 1027669 | 1014958 | 1.24 | cps |
| Thallium | 205-1 | 2473386 | 2538036 | 2574449 | 2528624 | 2.02 | cps |
| Tin | 118-1 | 927378 | 933941 | 928863 | 930060 | 0.37 | cps |
| Titanium | 47-1 | 3260 | 3294 | 3224 | 3259 | 1.07 | cps |
| Uranium | 238-1 | 3137233 | 3238248 | 3071929 | 3149136 | 2.66 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16MSDDLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725MSDl | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:18:19 | DataFile Name : | 028AREF.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 228970 | 231237 | 228678 | 229628 | 0.61 | cps |
| Ytterbium | 172-1 | 30609 | 30716 | 30813 | 30712 | 0.33 | cps |
| Ytterbium | 172-2 | 13457 | 13280 | 13410 | 13382 | 0.68 | cps |
| Ytterbium | 176-1 | 24883 | 25461 | 25284 | 25210 | 1.17 | cps |
| Ytterbium | 176-2 | 10561 | 10588 | 10414 | 10521 | 0.89 | cps |
| Yttrium | 89-1 | 18831521 | 19020415 | 18523271 | 18791735 | 1.34 | cps |
| Yttrium | 89-2 | 1351993 | 1351213 | 1355792 | 1352999 | 0.18 | cps |
| Zinc | 66-2 | 592140 | 592794 | 591496 | 592143 | 0.11 | cps |
| Zirconium | 90-1 | 2277781 | 2368782 | 2302981 | 2316515 | 2.03 | cps |
| Zirconium | 91-1 | 488329 | 494149 | 489083 | 490520 | 0.65 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16ADLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725ADL | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:21:23 | DataFile Name : | 029AREF.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 768974 | 768222 | 769733 | 768977 | 0.10 | cps |
| Antimony | 121-1 | 1354709 | 1376296 | 1403202 | 1378069 | 1.76 | cps |
| Arsenic | 75-2 | 1523 | 1570 | 1437 | 1510 | 4.48 | cps |
| Barium | 135-1 | 1394392 | 1391433 | 1408182 | 1398002 | 0.64 | cps |
| Barium | 137-1 | 2483291 | 2472190 | 2573241 | 2509574 | 2.21 | cps |
| Beryllium | 9-1 | 352895 | 353449 | 356502 | 354282 | 0.55 | cps |
| Bismuth | 209-1 | 5828906 | 5778208 | 6051285 | 5886133 | 2.47 | cps |
| Bismuth | 209-2 | 2721926 | 2630016 | 2782952 | 2711631 | 2.84 | cps |
| Bromine | 81-1 | 25326 | 25620 | 25754 | 25567 | 0.86 | cps |
| Cadmium | 108-1 | 25754 | 25681 | 26692 | 26042 | 2.17 | cps |
| Cadmium | 106-1 | 44418 | 44853 | 44903 | 44724 | 0.60 | cps |
| Cadmium | 111-1 | 340851 | 341393 | 343990 | 342078 | 0.49 | cps |
| Calcium | 43-1 | 2113271 | 2015925 | 2061825 | 2063674 | 2.36 | cps |
| Calcium | 44-1 | 33797927 | 33392946 | 33539573 | 33576815 | 0.61 | cps |
| Carbon | 12-1 | 3448490 | 3453528 | 3496634 | 3466217 | 0.76 | cps |
| Carbon | 12-2 | 23656 | 24267 | 23813 | 23912 | 1.33 | cps |
| Chlorine | 35-1 | 11004902 | 11950402 | 12610188 | 11855164 | 6.81 | cps |
| Chlorine | 35-2 | 52890 | 54278 | 55282 | 54150 | 2.22 | cps |
| Chromium | 52-2 | 273438 | 275053 | 274257 | 274249 | 0.29 | cps |
| Cobalt | 59-2 | 744480 | 754827 | 752455 | 750587 | 0.72 | cps |
| Copper | 63-2 | 4315797 | 4411050 | 4273313 | 4333386 | 1.63 | cps |
| Dysprosium | 156-1 | 171709 | 174021 | 178080 | 174603 | 1.85 | cps |
| Dysprosium | 156-2 | 48705 | 47962 | 47615 | 48094 | 1.16 | cps |
| Erbium | 164-1 | 125078 | 125431 | 127131 | 125880 | 0.87 | cps |
| Erbium | 164-2 | 45150 | 45310 | 45086 | 45182 | 0.26 | cps |
| Gadolinium | 160-1 | 124559 | 125787 | 126043 | 125463 | 0.63 | cps |
| Gadolinium | 160-2 | 53828 | 53353 | 53888 | 53690 | 0.55 | cps |
| Holmium | 165-1 | 9841871 | 9969442 | 10111448 | 9974254 | 1.35 | cps |
| Holmium | 165-2 | 3869728 | 3741110 | 3852513 | 3821117 | 1.83 | cps |
| Indium | 115-1 | 8749350 | 8865211 | 8961919 | 8858827 | 1.20 | cps |
| Indium | 115-2 | 902447 | 876771 | 899203 | 892807 | 1.57 | cps |
| Iron | 54-2 | 801902 | 815005 | 816910 | 811272 | 1.01 | cps |
| Iron | 56-2 | 14892702 | 14945948 | 14951030 | 14929893 | 0.22 | cps |
| Iron | 57-2 | 373459 | 371280 | 370823 | 371854 | 0.38 | cps |
| Krypton | 83-1 | 257 | 290 | 367 | 304 | 18.53 | cps |
| Lead | 206-1 | 4485957 | 4517748 | 4505650 | 4503118 | 0.36 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16ADLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725ADL | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:21:23 | DataFile Name : | 029AREF.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 3883853 | 3924157 | 3926005 | 3911338 | 0.61 | cps |
| Lead | 208-1 | 17615045 | 17706606 | 17905916 | 17742522 | 0.84 | cps |
| Lithium | 6-1 | 3276000 | 3365822 | 3352634 | 3331486 | 1.46 | cps |
| Magnesium | 24-2 | 2636490 | 2618100 | 2538269 | 2597620 | 2.01 | cps |
| Manganese | 55-2 | 4947239 | 5012662 | 4895641 | 4951847 | 1.18 | cps |
| Molybdenum | 94-1 | 2205325 | 2208382 | 2226596 | 2213434 | 0.52 | cps |
| Molybdenum | 95-1 | 2423571 | 2430851 | 2523996 | 2459473 | 2.28 | cps |
| Molybdenum | 96-1 | 2763266 | 2750090 | 2747409 | 2753589 | 0.31 | cps |
| Molybdenum | 97-1 | 1485494 | 1550671 | 1509714 | 1515293 | 2.17 | cps |
| Molybdenum | 98-1 | 3853941 | 3938192 | 3952839 | 3914990 | 1.36 | cps |
| Neodymium | 150-1 | 177173 | 178585 | 180288 | 178682 | 0.87 | cps |
| Neodymium | 150-2 | 45707 | 45671 | 45865 | 45748 | 0.23 | cps |
| Nickel | 60-2 | 196238 | 194232 | 195618 | 195362 | 0.53 | cps |
| Phosphorus | 31-2 | 1783 | 1647 | 1617 | 1682 | 5.28 | cps |
| Potassium | 39-2 | 1212226 | 1214247 | 1210428 | 1212300 | 0.16 | cps |
| Rhodium | 103-1 | 8060911 | 8246902 | 8155731 | 8154515 | 1.14 | cps |
| Rhodium | 103-2 | 3294010 | 3222109 | 3244967 | 3253696 | 1.13 | cps |
| Scandium | 45-1 | 6019782 | 6002127 | 6035108 | 6019006 | 0.27 | cps |
| Scandium | 45-2 | 109896 | 107317 | 108764 | 108659 | 1.19 | cps |
| Selenium | 82-1 | 22782 | 23049 | 23544 | 23125 | 1.67 | cps |
| Selenium | 77-2 | 533 | 580 | 487 | 533 | 8.75 | cps |
| Selenium | 78-2 | 1343 | 1510 | 1627 | 1493 | 9.54 | cps |
| Silicon | 28-1 | 65503339 | 64695136 | 63176721 | 64458398 | 1.83 | cps |
| Silver | 107-1 | 281056 | 281438 | 282691 | 281728 | 0.30 | cps |
| Silver | 109-1 | 259968 | 261610 | 264537 | 262038 | 0.88 | cps |
| Sodium | 23-2 | 3827628 | 3786577 | 3917793 | 3844000 | 1.75 | cps |
| Strontium | 86-1 | 1029576 | 1036058 | 1044285 | 1036640 | 0.71 | cps |
| Strontium | 88-1 | 9040144 | 9261305 | 9297717 | 9199722 | 1.52 | cps |
| Sulfur | 34-1 | 3761276 | 3720858 | 3707743 | 3729959 | 0.75 | cps |
| Terbium | 159-1 | 10521200 | 10405008 | 10626677 | 10517628 | 1.05 | cps |
| Terbium | 159-2 | 3730243 | 3742799 | 3755281 | 3742774 | 0.33 | cps |
| Thallium | 203-1 | 1014805 | 1020892 | 1032500 | 1022732 | 0.88 | cps |
| Thallium | 205-1 | 2530717 | 2544529 | 2513694 | 2529647 | 0.61 | cps |
| Tin | 118-1 | 933337 | 943171 | 963009 | 946506 | 1.60 | cps |
| Titanium | 47-1 | 3340 | 3080 | 3444 | 3288 | 5.69 | cps |
| Uranium | 238-1 | 3085757 | 3164453 | 3261250 | 3170487 | 2.77 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | Q1984-16ADLX5 | Instrumnet Name : | P8 |
| Client Sample ID : | OU4-TS-28-050725ADL | Dilution Factor : | 5 |
| Date & Time Acquired : | 2025-05-22 14:21:23 | DataFile Name : | 029AREF.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 230383 | 230413 | 229776 | 230191 | 0.16 | cps |
| Ytterbium | 172-1 | 31073 | 31320 | 30933 | 31109 | 0.63 | cps |
| Ytterbium | 172-2 | 12906 | 13107 | 13717 | 13243 | 3.19 | cps |
| Ytterbium | 176-1 | 24573 | 25391 | 24934 | 24966 | 1.64 | cps |
| Ytterbium | 176-2 | 10564 | 10804 | 10654 | 10674 | 1.14 | cps |
| Yttrium | 89-1 | 18655998 | 18536099 | 19030711 | 18740936 | 1.38 | cps |
| Yttrium | 89-2 | 1355665 | 1321776 | 1355596 | 1344346 | 1.45 | cps |
| Zinc | 66-2 | 598448 | 595502 | 592922 | 595624 | 0.46 | cps |
| Zirconium | 90-1 | 2327627 | 2389529 | 2354778 | 2357311 | 1.32 | cps |
| Zirconium | 91-1 | 495143 | 505629 | 506313 | 502362 | 1.25 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCV02 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV02 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 14:24:24 | DataFile Name : | 030CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2112064 | 2198981 | 2115163 | 2142069 | 2.30 | cps |
| Antimony | 121-1 | 6841363 | 6954027 | 6871644 | 6889011 | 0.85 | cps |
| Arsenic | 75-2 | 151532 | 152296 | 150153 | 151327 | 0.72 | cps |
| Barium | 135-1 | 7363342 | 7496521 | 7539922 | 7466595 | 1.23 | cps |
| Barium | 137-1 | 12654778 | 13052750 | 12935037 | 12880855 | 1.59 | cps |
| Beryllium | 9-1 | 1582368 | 1622965 | 1625962 | 1610432 | 1.51 | cps |
| Bismuth | 209-1 | 5422437 | 5322076 | 5391224 | 5378579 | 0.95 | cps |
| Bismuth | 209-2 | 2411471 | 2547914 | 2496763 | 2485383 | 2.77 | cps |
| Bromine | 81-1 | 22254 | 21807 | 21583 | 21882 | 1.56 | cps |
| Cadmium | 108-1 | 123396 | 127735 | 125969 | 125700 | 1.74 | cps |
| Cadmium | 106-1 | 186346 | 189739 | 187485 | 187857 | 0.92 | cps |
| Cadmium | 111-1 | 1589647 | 1630819 | 1623118 | 1614528 | 1.36 | cps |
| Calcium | 43-1 | 9607621 | 9686138 | 9643031 | 9645597 | 0.41 | cps |
| Calcium | 44-1 | 152625038 | 159419428 | 159266738 | 157103734 | 2.47 | cps |
| Carbon | 12-1 | 2883058 | 2920473 | 2934737 | 2912756 | 0.92 | cps |
| Carbon | 12-2 | 22257 | 22187 | 22477 | 22307 | 0.68 | cps |
| Chlorine | 35-1 | 1316405 | 1229396 | 1154869 | 1233556 | 6.55 | cps |
| Chlorine | 35-2 | 4211 | 4144 | 3567 | 3974 | 8.90 | cps |
| Chromium | 52-2 | 1283809 | 1283498 | 1284289 | 1283865 | 0.03 | cps |
| Cobalt | 59-2 | 2481372 | 2513467 | 2423194 | 2472678 | 1.85 | cps |
| Copper | 63-2 | 19279378 | 19492803 | 19749457 | 19507213 | 1.21 | cps |
| Dysprosium | 156-1 | 440 | 513 | 390 | 448 | 13.85 | cps |
| Dysprosium | 156-2 | 113 | 93 | 87 | 98 | 14.20 | cps |
| Erbium | 164-1 | 377 | 360 | 380 | 372 | 2.88 | cps |
| Erbium | 164-2 | 153 | 153 | 147 | 151 | 2.55 | cps |
| Gadolinium | 160-1 | 233 | 300 | 390 | 308 | 25.54 | cps |
| Gadolinium | 160-2 | 110 | 93 | 103 | 102 | 8.21 | cps |
| Holmium | 165-1 | 9400277 | 9756818 | 9586527 | 9581207 | 1.86 | cps |
| Holmium | 165-2 | 3589569 | 3853732 | 3787733 | 3743678 | 3.67 | cps |
| Indium | 115-1 | 7892386 | 8029935 | 7984211 | 7968844 | 0.88 | cps |
| Indium | 115-2 | 810751 | 863865 | 846199 | 840272 | 3.22 | cps |
| Iron | 54-2 | 13731102 | 13608109 | 13436940 | 13592050 | 1.09 | cps |
| Iron | 56-2 | 247259250 | 247345443 | 253789030 | 249464574 | 1.50 | cps |
| Iron | 57-2 | 6302399 | 6372579 | 6303365 | 6326114 | 0.64 | cps |
| Krypton | 83-1 | 250 | 277 | 167 | 231 | 24.83 | cps |
| Lead | 206-1 | 21152828 | 20914866 | 20917090 | 20994928 | 0.65 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCV02 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV02 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 14:24:24 | DataFile Name : | 030CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 17787465 | 17774413 | 17579118 | 17713665 | 0.66 | cps |
| Lead | 208-1 | 81506440 | 82269387 | 82092852 | 81956226 | 0.49 | cps |
| Lithium | 6-1 | 3047111 | 3101689 | 3064045 | 3070948 | 0.91 | cps |
| Magnesium | 24-2 | 35992141 | 36079389 | 36880796 | 36317442 | 1.35 | cps |
| Manganese | 55-2 | 5476624 | 5501349 | 5382400 | 5453458 | 1.15 | cps |
| Molybdenum | 94-1 | 22801478 | 23593540 | 23040987 | 23145335 | 1.76 | cps |
| Molybdenum | 95-1 | 33351562 | 33910644 | 33316979 | 33526395 | 0.99 | cps |
| Molybdenum | 96-1 | 35746716 | 35488990 | 36367831 | 35867846 | 1.26 | cps |
| Molybdenum | 97-1 | 20284804 | 20479682 | 20927895 | 20564127 | 1.60 | cps |
| Molybdenum | 98-1 | 52107049 | 54863508 | 53627069 | 53532542 | 2.58 | cps |
| Neodymium | 150-1 | 600 | 627 | 697 | 641 | 7.79 | cps |
| Neodymium | 150-2 | 63 | 47 | 53 | 54 | 15.40 | cps |
| Nickel | 60-2 | 639623 | 649533 | 640146 | 643100 | 0.87 | cps |
| Phosphorus | 31-2 | 24484 | 25289 | 24224 | 24665 | 2.25 | cps |
| Potassium | 39-2 | 12552467 | 12560853 | 12646759 | 12586693 | 0.41 | cps |
| Rhodium | 103-1 | 7248405 | 7324230 | 7410934 | 7327856 | 1.11 | cps |
| Rhodium | 103-2 | 2903138 | 3110809 | 3117005 | 3043650 | 4.00 | cps |
| Scandium | 45-1 | 5554995 | 5556875 | 5569030 | 5560300 | 0.14 | cps |
| Scandium | 45-2 | 104305 | 108595 | 110719 | 107873 | 3.03 | cps |
| Selenium | 82-1 | 106449 | 108138 | 108342 | 107643 | 0.97 | cps |
| Selenium | 77-2 | 1840 | 1773 | 1820 | 1811 | 1.89 | cps |
| Selenium | 78-2 | 6405 | 6392 | 6348 | 6381 | 0.46 | cps |
| Silicon | 28-1 | 41799618 | 43513354 | 43192818 | 42835263 | 2.13 | cps |
| Silver | 107-1 | 8068696 | 7979061 | 7839436 | 7962398 | 1.45 | cps |
| Silver | 109-1 | 7515894 | 7542060 | 7463926 | 7507293 | 0.53 | cps |
| Sodium | 23-2 | 68844007 | 69149806 | 69102204 | 69032006 | 0.24 | cps |
| Strontium | 86-1 | 2105625 | 2155315 | 2155697 | 2138879 | 1.35 | cps |
| Strontium | 88-1 | 18150459 | 18560891 | 18592948 | 18434766 | 1.34 | cps |
| Sulfur | 34-1 | 1075604 | 1074793 | 1077040 | 1075812 | 0.11 | cps |
| Terbium | 159-1 | 9874361 | 9863899 | 9985259 | 9907840 | 0.68 | cps |
| Terbium | 159-2 | 3493085 | 3751321 | 3583452 | 3609286 | 3.63 | cps |
| Thallium | 203-1 | 5125725 | 5078423 | 5111710 | 5105286 | 0.48 | cps |
| Thallium | 205-1 | 12139884 | 12160174 | 11984466 | 12094841 | 0.79 | cps |
| Tin | 118-1 | 5180438 | 5318794 | 5289316 | 5262849 | 1.38 | cps |
| Titanium | 47-1 | 9595263 | 9318380 | 9285589 | 9399744 | 1.81 | cps |
| Uranium | 238-1 | 14833997 | 15753482 | 15554929 | 15380803 | 3.15 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCV02 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV02 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 14:24:24 | DataFile Name : | 030CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 1011882 | 1008490 | 1013068 | 1011147 | 0.23 | cps |
| Ytterbium | 172-1 | 573 | 540 | 523 | 546 | 4.67 | cps |
| Ytterbium | 172-2 | 223 | 220 | 230 | 224 | 2.27 | cps |
| Ytterbium | 176-1 | 26443 | 27418 | 27659 | 27174 | 2.37 | cps |
| Ytterbium | 176-2 | 10347 | 10441 | 10267 | 10352 | 0.84 | cps |
| Yttrium | 89-1 | 14757200 | 15375460 | 15330659 | 15154439 | 2.27 | cps |
| Yttrium | 89-2 | 1110247 | 1178626 | 1156746 | 1148540 | 3.04 | cps |
| Zinc | 66-2 | 2310679 | 2280218 | 2233906 | 2274934 | 1.70 | cps |
| Zirconium | 90-1 | 11444596 | 12029355 | 11779019 | 11750990 | 2.50 | cps |
| Zirconium | 91-1 | 2620375 | 2629649 | 2626305 | 2625443 | 0.18 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCB02 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB02 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 14:32:44 | DataFile Name : | 031CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 63 | 63 | 63 | 63 | 0.00 | cps |
| Antimony | 121-1 | 740 | 573 | 547 | 620 | 16.90 | cps |
| Arsenic | 75-2 | 7 | 7 | 3 | 6 | 34.70 | cps |
| Barium | 135-1 | 63 | 87 | 83 | 78 | 16.23 | cps |
| Barium | 137-1 | 147 | 153 | 107 | 136 | 18.62 | cps |
| Beryllium | 9-1 | 197 | 249 | 219 | 222 | 11.62 | cps |
| Bismuth | 209-1 | 6134623 | 5969022 | 6295045 | 6132897 | 2.66 | cps |
| Bismuth | 209-2 | 2638882 | 2739863 | 2798642 | 2725796 | 2.96 | cps |
| Bromine | 81-1 | 21153 | 21156 | 21660 | 21323 | 1.37 | cps |
| Cadmium | 108-1 | 17 | 23 | 13 | 18 | 28.64 | cps |
| Cadmium | 106-1 | 5104 | 5071 | 5198 | 5124 | 1.28 | cps |
| Cadmium | 111-1 | 3581 | 3547 | 3652 | 3593 | 1.50 | cps |
| Calcium | 43-1 | 627 | 650 | 693 | 657 | 5.15 | cps |
| Calcium | 44-1 | 23236 | 23503 | 24010 | 23583 | 1.67 | cps |
| Carbon | 12-1 | 2358602 | 2353778 | 2372758 | 2361713 | 0.42 | cps |
| Carbon | 12-2 | 15275 | 15321 | 15468 | 15355 | 0.66 | cps |
| Chlorine | 35-1 | 310179 | 300264 | 297544 | 302663 | 2.20 | cps |
| Chlorine | 35-2 | 1067 | 1030 | 1133 | 1077 | 4.87 | cps |
| Chromium | 52-2 | 527 | 577 | 587 | 563 | 5.71 | cps |
| Cobalt | 59-2 | 60 | 57 | 40 | 52 | 20.52 | cps |
| Copper | 63-2 | 1370 | 1237 | 1320 | 1309 | 5.15 | cps |
| Dysprosium | 156-1 | 3 | 13 | 27 | 14 | 81.07 | cps |
| Dysprosium | 156-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Erbium | 164-1 | 57 | 60 | 90 | 69 | 26.65 | cps |
| Erbium | 164-2 | 27 | 13 | 33 | 24 | 41.66 | cps |
| Gadolinium | 160-1 | 57 | 80 | 63 | 67 | 18.03 | cps |
| Gadolinium | 160-2 | 13 | 17 | 7 | 12 | 41.65 | cps |
| Holmium | 165-1 | 9972784 | 10081989 | 10430283 | 10161686 | 2.35 | cps |
| Holmium | 165-2 | 3611236 | 3782727 | 3881033 | 3758332 | 3.63 | cps |
| Indium | 115-1 | 8779032 | 8892720 | 9463662 | 9045138 | 4.06 | cps |
| Indium | 115-2 | 858005 | 911932 | 925563 | 898500 | 3.98 | cps |
| Iron | 54-2 | 457 | 453 | 477 | 462 | 2.73 | cps |
| Iron | 56-2 | 5018 | 5048 | 5181 | 5082 | 1.71 | cps |
| Iron | 57-2 | 130 | 127 | 150 | 136 | 9.31 | cps |
| Krypton | 83-1 | 187 | 207 | 167 | 187 | 10.71 | cps |
| Lead | 206-1 | 763 | 750 | 683 | 732 | 5.85 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCB02 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB02 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 14:32:44 | DataFile Name : | 031CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 207-1 | 630 | 613 | 707 | 650 | 7.66 | cps |
| Lead | 208-1 | 2967 | 2964 | 2977 | 2969 | 0.23 | cps |
| Lithium | 6-1 | 3354397 | 3459462 | 3477116 | 3430325 | 1.93 | cps |
| Magnesium | 24-2 | 740 | 783 | 667 | 730 | 8.08 | cps |
| Manganese | 55-2 | 810 | 923 | 710 | 814 | 13.11 | cps |
| Molybdenum | 94-1 | 697 | 747 | 767 | 737 | 4.89 | cps |
| Molybdenum | 95-1 | 403 | 320 | 340 | 354 | 12.27 | cps |
| Molybdenum | 96-1 | 497 | 390 | 480 | 456 | 12.60 | cps |
| Molybdenum | 97-1 | 197 | 220 | 213 | 210 | 5.72 | cps |
| Molybdenum | 98-1 | 563 | 520 | 463 | 516 | 9.73 | cps |
| Neodymium | 150-1 | 13 | 20 | 10 | 14 | 35.26 | cps |
| Neodymium | 150-2 | 0 | 0 | 7 | 2 | 173.21 | cps |
| Nickel | 60-2 | 157 | 110 | 113 | 127 | 20.55 | cps |
| Phosphorus | 31-2 | 73 | 50 | 67 | 63 | 18.98 | cps |
| Potassium | 39-2 | 14961 | 15325 | 14591 | 14959 | 2.45 | cps |
| Rhodium | 103-1 | 8330391 | 8537966 | 8751607 | 8539988 | 2.47 | cps |
| Rhodium | 103-2 | 3208492 | 3408304 | 3377096 | 3331297 | 3.23 | cps |
| Scandium | 45-1 | 5810328 | 5707145 | 6307985 | 5941819 | 5.41 | cps |
| Scandium | 45-2 | 104149 | 111015 | 110810 | 108658 | 3.59 | cps |
| Selenium | 82-1 | 63 | 60 | 83 | 69 | 18.32 | cps |
| Selenium | 77-2 | 0 | 3 | 3 | 2 | 86.60 | cps |
| Selenium | 78-2 | 7 | 13 | 27 | 16 | 65.47 | cps |
| Silicon | 28-1 | 480825 | 482104 | 486052 | 482994 | 0.56 | cps |
| Silver | 107-1 | 290 | 327 | 270 | 296 | 9.72 | cps |
| Silver | 109-1 | 237 | 213 | 167 | 206 | 17.34 | cps |
| Sodium | 23-2 | 37612 | 36322 | 36218 | 36717 | 2.11 | cps |
| Strontium | 86-1 | 383 | 377 | 383 | 381 | 1.01 | cps |
| Strontium | 88-1 | 327 | 370 | 310 | 336 | 9.23 | cps |
| Sulfur | 34-1 | 564060 | 563360 | 564773 | 564064 | 0.13 | cps |
| Terbium | 159-1 | 10504247 | 10682598 | 10716669 | 10634505 | 1.07 | cps |
| Terbium | 159-2 | 3453048 | 3706447 | 3723419 | 3627638 | 4.17 | cps |
| Thallium | 203-1 | 240 | 323 | 257 | 273 | 16.13 | cps |
| Thallium | 205-1 | 577 | 627 | 663 | 622 | 6.99 | cps |
| Tin | 118-1 | 1503 | 1583 | 1537 | 1541 | 2.61 | cps |
| Titanium | 47-1 | 287 | 253 | 260 | 267 | 6.61 | cps |
| Uranium | 238-1 | 110 | 127 | 90 | 109 | 16.86 | cps |

Reviewed By:Janvi
On:5/23/2025 9:40:48 AM
Inst Id :P8
LB :LB135893

| | | | |
|---|---|---|---|
| LB Number : | LB135893 | Operator : | Jaswal |
| Lab Sample ID : | CCB02 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB02 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2025-05-22 14:32:44 | DataFile Name : | 031CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Vanadium | 51-2 | 10 | 13 | 10 | 11 | 17.30 | cps |
| Ytterbium | 172-1 | 70 | 83 | 57 | 70 | 19.04 | cps |
| Ytterbium | 172-2 | 20 | 30 | 43 | 31 | 37.62 | cps |
| Ytterbium | 176-1 | 1153 | 1287 | 1223 | 1221 | 5.46 | cps |
| Ytterbium | 176-2 | 247 | 417 | 343 | 336 | 25.41 | cps |
| Yttrium | 89-1 | 16206741 | 16331558 | 17035704 | 16524668 | 2.70 | cps |
| Yttrium | 89-2 | 1103914 | 1181913 | 1192821 | 1159549 | 4.18 | cps |
| Zinc | 66-2 | 263 | 257 | 273 | 264 | 3.17 | cps |
| Zirconium | 90-1 | 1573 | 1523 | 1587 | 1561 | 2.14 | cps |
| Zirconium | 91-1 | 293 | 320 | 297 | 303 | 4.79 | cps |

Alliance TECHNICAL GROUP

# Water Mercury Preparation Sheet

PB167978

**SOP ID :** M7470A-Mercury-19

**SDG No :** NA

**Matrix :** WATER

**Pippete ID:** HG A

**Balance ID :** N/A

**Filter paper ID :** NA

**pH Strip ID :** M6069

**Hood ID :** #1

**Block ID:** 1. HG HOT BLOCK#3 2. N/A

**Start Digest Date:** 05/13/2025 **Time :** 14:20 **Temp :** 94 °C

**End Digest Date:** 05/13/2025 **Time :** 16:20 **Temp :** 95 °C

**Digestion tube ID:** M5595

**Block thermometer ID:** HG-DIG#3

**Dig Technician Signature:** MB

**Supervisor Signature:** M

**Temp :** 1. 94°C 2. N/A

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| ICV | 30mL | MP85654 |
| CCV | 30mL | MP85656 |
| CRA | 30mL | MP85658 |
| Blank Spike | 0.48mL | MP85647 |
| Matrix Spike | 0.48mL | MP85647 |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| HNO3/H2SO4(1:2) | 2.25mL | MP85240 |
| KMnO4 (5%) | 4.5mL | MP85241 |
| K2S2O8 (5%) | 2.4mL | MP85242 |
| Hydroxylamine HCL (12%) | 1.8mL | MP85243 |
| 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 |

| LAB SAMPLE ID | CLIENT SAMPLE ID | Wt(g)/Vol(ml) | Comment |
|---|---|---|---|
| 0.0 ppb | S0 | 30mL | MP85648 |
| 0.05 ppb | S0.05 | N/A | N/A |
| 0.2 ppb | S0.2 | 30mL | MP85649 |
| 2.5 ppb | S2.5 | 30mL | MP85650 |
| 5.0 ppb | S5.0 | 30mL | MP85651 |
| 7.5 ppb | S7.5 | 30mL | MP85652 |
| 10.0 ppb | S10.0 | 30mL | MP85653 |
| ICV | ICV | 30mL | MP85654 |
| ICB | ICB | 30mL | MP85655 |
| CCV | CCV | 30mL | MP85656 |
| CCB | CCB | 30mL | MP85657 |
| CRI | CRI | 30mL | MP85658 |
| CHK STD | CHK STD | 30mL | MP85659 |

**Extraction Conformance/Non-Conformance Comments:**

N/A

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 5/13/25 @ 17:10 | MB - Dry Lab | MB - Wet Lab |
| | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

## Water Mercury Preparation Sheet

**PB167978**

| Lab Sample ID | Client Sample ID | Initial Vol (ml) | Final Vol (ml) | pH | Comment | Prep Pos |
|---|---|---|---|---|---|---|
| PB167978BL | PBW978 | 30 | 30 | <2 | N/A | 3-25 |
| PB167978BS | LCS978 | 30 | 30 | <2 | MP85647 | 26 |
| PB167978TB | LEB978 | 30 | 30 | <2 | N/A | 38 |
| Q1984-02 | OU4-PCS-TC-33-050725 | 30 | 30 | <2 | N/A | 27 |
| Q1984-04 | OU4-PCS-TC-34-050725 | 30 | 30 | <2 | N/A | 28 |
| Q1984-06 | OU4-PCS-TC-35-050725 | 30 | 30 | <2 | N/A | 29 |
| Q1984-08 | OU4-TS-24-050725 | 30 | 30 | <2 | N/A | 30 |
| Q1984-10 | OU4-TS-25-050725 | 30 | 30 | <2 | N/A | 31 |
| Q1984-12 | OU4-TS-26-050725 | 30 | 30 | <2 | N/A | 32 |
| Q1984-14 | OU4-TS-27-050725 | 30 | 30 | <2 | N/A | 33 |
| Q1984-16 | OU4-TS-28-050725 | 30 | 30 | <2 | N/A | 34 |
| Q1984-16DUP | OU4-TS-28-050725DUP | 30 | 30 | <2 | N/A | 35 |
| Q1984-16MS | OU4-TS-28-050725MS | 30 | 30 | <2 | MP85647 | 36 |
| Q1984-16MSD | OU4-TS-28-050725MSD | 30 | 30 | <2 | MP85647 | 37 |

Alliance TECHNICAL GROUP

## SPLP EXTRACTION LOGPAGE

PB167933

**SOP ID :** M1312-SPLP-10

**SDG No :** N/A

**Weigh By :** JP

**Balance ID :** WC SC-7

**pH Meter ID :** WC PH METER-1

**Extraction By :** JP

**Filter By :** JP

**Pippete ID :** WC

**Tumbler ID :** T-2

**TCLP Filter ID :** 115525

**Start Prep Date :** 05/09/2025 **Time :** 17:20

**End Prep Date :** 05/10/2025 **Time :** 11:35

**Combination Ratio :** 20

**ZHE Cleaning Batch :** ~~N/A~~ 18

**Initial Room Temperature:** 23 °C

**Final Room Temperature:** 22 °C

**TCLP Technician Signature :** JP

**Supervisor By :** JP

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| 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 |

| Chemical Used | ML/SAMPLE U | Lot Number |
|---|---|---|
| SPLP FLUID | WP112802 | N/A |
| N/A | N/A | N/A |
| HNO3-TCLP,1N | N/A | WP112799 |
| pH Strips | N/A | W1931,W1934,W3171,W3172 |
| pH Strips | N/A | W3166,W1938,W1939, |
| N/A | N/A | N/A |
| 120ml Plastic bottle | N/A | 2738 |
| 1:1 HNO3 | N/A | MP84041 |

**Extraction Conformance/Non-Conformance Comments:**

Matrix spikes are added after fiftration and before preservation. TUMBLER T-2 checked,30 rpm. q1984-16 is used for MS-MSD.

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 05/12/25 11:30 | JP Lab Room | SL29. IDL |
| | Preparation Group | Analysis Group DJ |

Alliance TECHNICAL GROUP

**Water Metals Preparation Sheet**

PB167960

**SOP ID :** M3010A-Digestion-17

**SDG No :** N/A

**Matrix :** WATER

**Pippete ID:** ICP A

**Balance ID :** N/A

**Filter paper ID :** N/A

**pH Strip ID :** M6069

**Hood ID :** #3

**Block ID:** 1. HOT BLOCK #1 2. N/A

**Start Digest Date:** 05/12/2025 **Time :** 12:05 **Temp :** 96 °C

**End Digest Date:** 05/12/2025 **Time :** 14:10 **Temp :** 96 °C

**Digestion tube ID:** M5595

**Block thermometer ID:** MET-DIG. #1

**Dig Technician Signature:** SJD.

**Supervisor Signature:**

**Temp :** 1. 96°C 2. N/A

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| Spike Sol 1 | 0.50 | MP85581 |
| Spike Sol 2 | 1.00 | MP85582 |
| Spike Sol 3 | 1.00 | MP85583 |
| Spike Sol 4 | 1.00 | MP85584 |
| N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| Conc. HNO3 | 3.00 | M6158 |
| 1:1 HCL | 5.00 | MP85156 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

**Extraction Conformance/Non-Conformance Comments:**

HOT BLOCK # 1CELL#50 96C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 05/12/25 15:10 | SJD. met.dig | Loreta Q Lab |
| | Preparation Group | Analysis Group |

| Lab Sample ID | Client Sample ID | pH | Initial Vol (ml) | Final Vol (ml) | Color Before | Color After | Clarity Before | Clarity After | Comment | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| PB167960BL | PBW960 | <2 | 50 | 50 | Colorless | Colorless | Clear | Clear | N/A | N/A |
| PB167960BS | LCS960 | <2 | 50 | 50 | Colorless | Colorless | Clear | Clear | MP85371,MP85372,MP85373,M | N/A |
| PB167960TB | LEB960 | <2 | 50 | 50 | Colorless | Colorless | Clear | Clear | N/A | N/A |
| Q1984-02 | OU4-PCS-TC-33-050725 | <2 | 50 | 50 | Colorless | Colorless | Clear | Clear | N/A | 3 |
| Q1984-04 | OU4-PCS-TC-34-050725 | <2 | 50 | 50 | Colorless | Colorless | Clear | Clear | N/A | 4 |
| Q1984-06 | OU4-PCS-TC-35-050725 | <2 | 50 | 50 | Colorless | Colorless | Clear | Clear | N/A | 5 |
| Q1984-08 | OU4-TS-24-050725 | <2 | 50 | 50 | Colorless | Colorless | Clear | Clear | N/A | 6 |
| Q1984-10 | OU4-TS-25-050725 | <2 | 50 | 50 | Colorless | Colorless | Clear | Clear | N/A | 7 |
| Q1984-12 | OU4-TS-26-050725 | <2 | 50 | 50 | Colorless | Colorless | Clear | Clear | N/A | 8 |
| Q1984-14 | OU4-TS-27-050725 | <2 | 50 | 50 | Colorless | Colorless | Clear | Clear | N/A | 9 |
| Q1984-16 | OU4-TS-28-050725 | <2 | 50 | 50 | Colorless | Colorless | Clear | Clear | N/A | 10 |
| Q1984-16MS | OU4-TS-28-050725MS | <2 | 50 | 50 | Colorless | Colorless | Clear | Clear | MP85371,MP85372,MP85373,M | 12 |
| Q1984-16MSD | OU4-TS-28-050725MSD | <2 | 50 | 50 | Colorless | Colorless | Clear | Clear | MP85371,MP85372,MP85373,M | 13 |
| Q1984-16DUP | OU4-TS-28-050725DUP | <2 | 50 | 50 | Colorless | Colorless | Clear | Clear | N/A | 11 |

Alliance TECHNICAL GROUP

**SPLP EXTRACTION LOGPAGE**

PB167933

| Sample ID | ClientID | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| PB167933TB | LEB933 | 19 | N/A | 2000 | N/A | N/A | N/A | 4.24 | 1.0 | T-2 |
| Q1984-02 | OU4-PCS-TC-33-050725 | 11 | 100.02 | 2000 | N/A | N/A | N/A | 5.6 | 1.5 | T-2 |
| Q1984-04 | OU4-PCS-TC-34-050725 | 12 | 100.03 | 2000 | N/A | N/A | N/A | 5.5 | 1.0 | T-2 |
| Q1984-06 | OU4-PCS-TC-35-050725 | 13 | 100.02 | 2000 | N/A | N/A | N/A | 5.6 | 1.0 | T-2 |
| Q1984-08 | OU4-TS-24-050725 | 14 | 100.02 | 2000 | N/A | N/A | N/A | 4.5 | 1.5 | T-2 |
| Q1984-10 | OU4-TS-25-050725 | 15 | 100.03 | 2000 | N/A | N/A | N/A | 4.0 | 1.5 | T-2 |
| Q1984-12 | OU4-TS-26-050725 | 16 | 100.02 | 2000 | N/A | N/A | N/A | 4.5 | 1.0 | T-2 |
| Q1984-14 | OU4-TS-27-050725 | 17 | 100.02 | 2000 | N/A | N/A | N/A | 4.0 | 1.5 | T-2 |
| Q1984-16 | OU4-TS-28-050725 | 18 | 100.03 | 2000 | N/A | N/A | N/A | 4.5 | 1.0 | T-2 |

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Fax : 908 789 8922

**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB135763

| | | | |
|---|---|---|---|
| Review By | MOHAN | Review On | 5/15/2025 11:25:39 AM |
| Supervise By | jaswal | Supervise On | 5/15/2025 1:45:56 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP85648,MP85649,MP85650,MP85651,MP85652,MP85653 |
| ICV Standard | MP85654 |
| CCV Standard | MP85656 |
| ICSA Standard | |
| CRI Standard | MP85658 |
| LCS Standard | |
| Chk Standard | MP85655,MP85657,MP85659,MP85654 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | S0 | S0 | CAL1 | 05/14/25 11:27 | | MOHAN | OK |
| 2 | S0.2 | S0.2 | CAL2 | 05/14/25 11:30 | | MOHAN | OK |
| 3 | S2.5 | S2.5 | CAL3 | 05/14/25 11:32 | | MOHAN | OK |
| 4 | S5 | S5 | CAL4 | 05/14/25 11:34 | | MOHAN | OK |
| 5 | S7.5 | S7.5 | CAL5 | 05/14/25 11:36 | | MOHAN | OK |
| 6 | S10 | S10 | CAL6 | 05/14/25 11:39 | | MOHAN | OK |
| 7 | ICV08 | ICV08 | ICV | 05/14/25 11:42 | | MOHAN | OK |
| 8 | ICB08 | ICB08 | ICB | 05/14/25 11:44 | | MOHAN | OK |
| 9 | CCV22 | CCV22 | CCV | 05/14/25 11:46 | | MOHAN | OK |
| 10 | CCB22 | CCB22 | CCB | 05/14/25 11:51 | | MOHAN | OK |
| 11 | CRA | CRA | CRDL | 05/14/25 11:54 | | MOHAN | OK |
| 12 | HighStd | HighStd | HIGH STD | 05/14/25 11:56 | | MOHAN | OK |
| 13 | ChkStd | ChkStd | SAM | 05/14/25 11:58 | | MOHAN | OK |
| 14 | PB167978BL | PB167978BL | MB | 05/14/25 12:03 | | MOHAN | OK |
| 15 | PB167978BS | PB167978BS | LCS | 05/14/25 12:05 | | MOHAN | OK |
| 16 | Q1984-02 | OU4-PCS-TC-33-050 | SAM | 05/14/25 12:08 | | MOHAN | OK |
| 17 | Q1984-04 | OU4-PCS-TC-34-050 | SAM | 05/14/25 12:10 | | MOHAN | OK |
| 18 | Q1984-06 | OU4-PCS-TC-35-050 | SAM | 05/14/25 12:12 | | MOHAN | OK |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB135763

| | | | |
|---|---|---|---|
| Review By | MOHAN | Review On | 5/15/2025 11:25:39 AM |
| Supervise By | jaswal | Supervise On | 5/15/2025 1:45:56 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP85648,MP85649,MP85650,MP85651,MP85652,MP85653 |
| ICV Standard | MP85654 |
| CCV Standard | MP85656 |
| ICSA Standard | |
| CRI Standard | MP85658 |
| LCS Standard | |
| Chk Standard | MP85655,MP85657,MP85659,MP85654 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q1984-08 | OU4-TS-24-050725 | SAM | 05/14/25 12:15 | | MOHAN | OK |
| 20 | Q1984-10 | OU4-TS-25-050725 | SAM | 05/14/25 12:17 | | MOHAN | OK |
| 21 | CCV23 | CCV23 | CCV | 05/14/25 12:24 | | MOHAN | OK |
| 22 | CCB23 | CCB23 | CCB | 05/14/25 12:26 | | MOHAN | OK |
| 23 | Q1984-12 | OU4-TS-26-050725 | SAM | 05/14/25 12:29 | | MOHAN | OK |
| 24 | Q1984-14 | OU4-TS-27-050725 | SAM | 05/14/25 12:31 | | MOHAN | OK |
| 25 | Q1984-16 | OU4-TS-28-050725 | SAM | 05/14/25 12:33 | | MOHAN | OK |
| 26 | Q1984-16DUP | OU4-TS-28-050725DU | DUP | 05/14/25 12:35 | | MOHAN | OK |
| 27 | Q1984-16MS | OU4-TS-28-050725MS | MS | 05/14/25 12:38 | | MOHAN | OK |
| 28 | Q1984-16MSD | OU4-TS-28-050725MS | MSD | 05/14/25 12:40 | | MOHAN | OK |
| 29 | PB167979BL | PB167979BL | MB | 05/14/25 12:42 | | MOHAN | OK |
| 30 | PB167979BS | PB167979BS | LCS | 05/14/25 12:45 | | MOHAN | OK |
| 31 | Q2001-03 | WC-A4-03-C | SAM | 05/14/25 12:47 | | MOHAN | OK |
| 32 | Q2001-07 | WC-A1-05-C | SAM | 05/14/25 12:49 | | MOHAN | OK |
| 33 | CCV24 | CCV24 | CCV | 05/14/25 12:51 | | MOHAN | OK |
| 34 | CCB24 | CCB24 | CCB | 05/14/25 12:54 | | MOHAN | OK |
| 35 | Q2001-11 | WC-A1-06-C | SAM | 05/14/25 12:56 | | MOHAN | OK |
| 36 | Q2001-15 | WC-A1-07-C | SAM | 05/14/25 12:58 | | MOHAN | OK |
| 37 | Q2004-02 | VNJ-220 | SAM | 05/14/25 13:01 | | MOHAN | OK |
| 38 | Q2004-04 | 2811 | SAM | 05/14/25 13:03 | | MOHAN | OK |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB135763

| | | | |
|---|---|---|---|
| Review By | MOHAN | Review On | 5/15/2025 11:25:39 AM |
| Supervise By | jaswal | Supervise On | 5/15/2025 1:45:56 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP85648,MP85649,MP85650,MP85651,MP85652,MP85653 |
| ICV Standard | MP85654 |
| CCV Standard | MP85656 |
| ICSA Standard | |
| CRI Standard | MP85658 |
| LCS Standard | |
| Chk Standard | MP85655,MP85657,MP85659,MP85654 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 39 | Q2004-06 | R0202 | SAM | 05/14/25 13:05 | | MOHAN | OK |
| 40 | Q2004-08 | 205510 | SAM | 05/14/25 13:07 | | MOHAN | OK |
| 41 | Q2004-10 | SOIL-STOCK | SAM | 05/14/25 13:10 | | MOHAN | OK |
| 42 | Q2004-12 | STONE-STOCK | SAM | 05/14/25 13:12 | | MOHAN | OK |
| 43 | Q2007-06 | OR-636-COMP-10 | SAM | 05/14/25 13:14 | | MOHAN | OK |
| 44 | Q2007-12 | OR-636-COMP-11 | SAM | 05/14/25 13:16 | | MOHAN | OK |
| 45 | CCV25 | CCV25 | CCV | 05/14/25 13:28 | | MOHAN | OK |
| 46 | CCB25 | CCB25 | CCB | 05/14/25 13:30 | | MOHAN | OK |
| 47 | Q2007-18 | OR-636-COMP-12 | SAM | 05/14/25 13:32 | | MOHAN | OK |
| 48 | Q2007-24 | OR-636-COMP-13 | SAM | 05/14/25 13:35 | | MOHAN | OK |
| 49 | Q2007-30 | OR-636-COMP-14 | SAM | 05/14/25 13:37 | | MOHAN | OK |
| 50 | Q2007-36 | OR-636-COMP-15 | SAM | 05/14/25 13:39 | | MOHAN | OK |
| 51 | Q2007-36DUP | OR-636-COMP-15DU | DUP | 05/14/25 13:41 | | MOHAN | OK |
| 52 | Q2007-36MS | OR-636-COMP-15MS | MS | 05/14/25 13:44 | | MOHAN | OK |
| 53 | Q2007-36MSD | OR-636-COMP-15MS | MSD | 05/14/25 13:46 | | MOHAN | OK |
| 54 | Q2017-04 | MH-I | SAM | 05/14/25 13:48 | | MOHAN | OK |
| 55 | Q2017-08 | MH-J | SAM | 05/14/25 13:51 | | MOHAN | OK |
| 56 | PB167980BL | PB167980BL | MB | 05/14/25 13:53 | | MOHAN | OK |
| 57 | CCV26 | CCV26 | CCV | 05/14/25 13:55 | | MOHAN | OK |
| 58 | CCB26 | CCB26 | CCB | 05/14/25 13:57 | | MOHAN | OK |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB135763

| | | | |
|---|---|---|---|
| Review By | MOHAN | Review On | 5/15/2025 11:25:39 AM |
| Supervise By | jaswal | Supervise On | 5/15/2025 1:45:56 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP85648,MP85649,MP85650,MP85651,MP85652,MP85653 |
| ICV Standard | MP85654 |
| CCV Standard | MP85656 |
| ICSA Standard | |
| CRI Standard | MP85658 |
| LCS Standard | |
| Chk Standard | MP85655,MP85657,MP85659,MP85654 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 59 | PB167980BS | PB167980BS | LCS | 05/14/25 14:00 | | MOHAN | OK |
| 60 | Q1970-02 | TRE-25-0057 | SAM | 05/14/25 14:02 | | MOHAN | OK |
| 61 | Q1980-01 | 3834 | SAM | 05/14/25 14:04 | | MOHAN | OK |
| 62 | Q1980-02 | 3832 | SAM | 05/14/25 14:07 | | MOHAN | OK |
| 63 | Q1980-03 | 3835 | SAM | 05/14/25 14:09 | | MOHAN | OK |
| 64 | Q1985-01 | RW8-BW-20250507 | SAM | 05/14/25 14:11 | | MOHAN | OK |
| 65 | Q1992-01 | 60453 | SAM | 05/14/25 14:13 | | MOHAN | OK |
| 66 | Q2005-01 | 252806 | SAM | 05/14/25 14:16 | | MOHAN | OK |
| 67 | Q2008-01 | IDW-AQ-DRUM-633-0 | SAM | 05/14/25 14:18 | | MOHAN | OK |
| 68 | Q2008-01DUP | IDW-AQ-DRUM-633-0 | DUP | 05/14/25 14:20 | | MOHAN | OK |
| 69 | CCV27 | CCV27 | CCV | 05/14/25 14:23 | | MOHAN | OK |
| 70 | CCB27 | CCB27 | CCB | 05/14/25 14:25 | | MOHAN | OK |
| 71 | Q2008-01MS | IDW-AQ-DRUM-633-0 | MS | 05/14/25 14:27 | | MOHAN | OK |
| 72 | Q2008-01MSD | IDW-AQ-DRUM-633-0 | MSD | 05/14/25 14:29 | | MOHAN | OK |
| 73 | PB167943TB | PB167943TB | MB | 05/14/25 14:32 | | MOHAN | OK |
| 74 | PB167978TB | PB167978TB | MB | 05/14/25 14:34 | | MOHAN | OK |
| 75 | PB167963TB | PB167963TB | MB | 05/14/25 14:36 | | MOHAN | OK |
| 76 | CCV28 | CCV28 | CCV | 05/14/25 14:39 | | MOHAN | OK |
| 77 | CCB28 | CCB28 | CCB | 05/14/25 14:41 | | MOHAN | OK |
| 78 | Q1984-16L | OU4-TS-28-050725L | SD | 05/14/25 14:43 | | MOHAN | OK |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB135763

| | | | |
|---|---|---|---|
| Review By | MOHAN | Review On | 5/15/2025 11:25:39 AM |
| Supervise By | jaswal | Supervise On | 5/15/2025 1:45:56 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP85648,MP85649,MP85650,MP85651,MP85652,MP85653 |
| ICV Standard | MP85654 |
| CCV Standard | MP85656 |
| ICSA Standard | |
| CRI Standard | MP85658 |
| LCS Standard | |
| Chk Standard | MP85655,MP85657,MP85659,MP85654 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 79 | Q1984-16A | OU4-TS-28-050725A | PS | 05/14/25 14:45 | | MOHAN | OK |
| 80 | Q2007-36L | OR-636-COMP-15L | SD | 05/14/25 14:48 | | MOHAN | OK |
| 81 | Q2007-36A | OR-636-COMP-15A | PS | 05/14/25 14:50 | | MOHAN | OK |
| 82 | Q2008-01L | IDW-AQ-DRUM-633-0 | SD | 05/14/25 14:52 | | MOHAN | OK |
| 83 | Q2008-01A | IDW-AQ-DRUM-633-0 | PS | 05/14/25 14:55 | | MOHAN | OK |
| 84 | CCV29 | CCV29 | CCV | 05/14/25 14:57 | | MOHAN | OK |
| 85 | CCB29 | CCB29 | CCB | 05/14/25 14:59 | | MOHAN | OK |

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**Instrument ID:** P8

## Daily Analysis Runlog For Sequence/QCBatch 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 |

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**Instrument ID:** P8

## Daily Analysis Runlog For Sequence/QCBatch 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-24-050725DL | SAM | 05/21/25 15:50 | 5X Stright | Jaswal | OK |
| 25 | Q1984-10DL | OU4-TS-25-050725DL | SAM | 05/21/25 15:53 | 5X Stright | Jaswal | OK |
| 26 | Q1984-12DL | OU4-TS-26-050725DL | 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-27-050725DL | SAM | 05/21/25 16:09 | 5X Stright | Jaswal | OK |
| 30 | Q1984-16DL | OU4-TS-28-050725DL | SAM | 05/21/25 16:12 | Not Use | Jaswal | Not Ok |
| 31 | Q1984-16DUPDL | OU4-TS-28-050725DU | DUP | 05/21/25 16:15 | Not Use | Jaswal | Not Ok |
| 32 | Q1984-16LDL | OU4-TS-28-050725LD | SD | 05/21/25 16:18 | Not Use | Jaswal | Not Ok |
| 33 | Q1984-16MSDL | OU4-TS-28-050725M | MS | 05/21/25 16:22 | Not Use | Jaswal | Not Ok |
| 34 | Q1984-16MSDDL | OU4-TS-28-050725M | MSD | 05/21/25 16:24 | Not Use | Jaswal | Not Ok |
| 35 | Q1984-16ADL | OU4-TS-28-050725AD | 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 |

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**Instrument ID:** P8

## Daily Analysis Runlog For Sequence/QCBatch 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-051625DU | 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 |

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**Instrument ID:** P8

## Daily Analysis Runlog For Sequence/QCBatch ID # LB135893

| | | | |
|---|---|---|---|
| Review By | jaswal | Review On | 5/23/2025 1:54:21 AM |
| Supervise By | Janvi | Supervise On | 5/23/2025 9:40:48 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 | 05/22/25 11:38 | | Jaswal | OK |
| 2 | S0 | S0 | CAL1 | 05/22/25 12:27 | | Jaswal | OK |
| 3 | S2 | S2 | CAL3 | 05/22/25 12:30 | | Jaswal | OK |
| 4 | S3 | S3 | CAL4 | 05/22/25 12:37 | | Jaswal | OK |
| 5 | S4 | S4 | CAL5 | 05/22/25 12:41 | | Jaswal | OK |
| 6 | S5 | S5 | CAL6 | 05/22/25 12:44 | | Jaswal | OK |
| 7 | S6 | S6 | CAL7 | 05/22/25 12:48 | | Jaswal | OK |
| 8 | S7 | S7 | CAL8 | 05/22/25 12:50 | | Jaswal | OK |
| 9 | S8 | S8 | CAL9 | 05/22/25 12:53 | | Jaswal | OK |
| 10 | ICV01 | ICV01 | ICV | 05/22/25 13:26 | | Jaswal | OK |
| 11 | LLICV01 | LLICV01 | LLICV | 05/22/25 13:33 | | Jaswal | OK |
| 12 | ICB01 | ICB01 | ICB | 05/22/25 13:40 | | Jaswal | OK |
| 13 | ICSA01 | ICSA01 | ICSA | 05/22/25 13:44 | | Jaswal | OK |
| 14 | ICSAB01 | ICSAB01 | ICSAB | 05/22/25 13:47 | | Jaswal | OK |
| 15 | CCV01 | CCV01 | CCV | 05/22/25 13:50 | | Jaswal | OK |
| 16 | CCB01 | CCB01 | CCB | 05/22/25 13:54 | | Jaswal | OK |
| 17 | CRI | CRI | CRDL | 05/22/25 14:01 | | Jaswal | OK |
| 18 | Q1984-16DL | OU4-TS-28-050725DL | SAM | 05/22/25 14:05 | 5X Stright | Jaswal | OK |

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**Instrument ID:** P8

## Daily Analysis Runlog For Sequence/QCBatch ID # LB135893

| | | | |
|---|---|---|---|
| Review By | jaswal | Review On | 5/23/2025 1:54:21 AM |
| Supervise By | Janvi | Supervise On | 5/23/2025 9:40:48 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 | Q1984-16DUPDL | OU4-TS-28-050725DU | DUP | 05/22/25 14:08 | 5X Stright | Jaswal | OK |
| 20 | Q1984-16LDL | OU4-TS-28-050725LD | SD | 05/22/25 14:11 | 25X Stright | Jaswal | OK |
| 21 | Q1984-16MSDL | OU4-TS-28-050725MS | MS | 05/22/25 14:15 | 5X Stright | Jaswal | OK |
| 22 | Q1984-16MSDDL | OU4-TS-28-050725MS | MSD | 05/22/25 14:18 | 5X Stright | Jaswal | OK |
| 23 | Q1984-16ADL | OU4-TS-28-050725AD | PS | 05/22/25 14:21 | 5X Stright | Jaswal | OK |
| 24 | CCV02 | CCV02 | CCV | 05/22/25 14:24 | | Jaswal | OK |
| 25 | CCB02 | CCB02 | CCB | 05/22/25 14:32 | | Jaswal | OK |

Alliance TECHNICAL GROUP

## SPLP EXTRACTION LOGPAGE

PB167933

**SOP ID :** M1312-SPLP-10

**SDG No :** N/A

**Weigh By :** JP

**Balance ID :** WC SC-7

**pH Meter ID :** WC PH METER-1

**Extraction By :** JP

**Filter By :** JP

**Pippete ID :** WC

**Tumbler ID :** T-2

**TCLP Filter ID :** 115525

**Start Prep Date :** 05/09/2025 **Time :** 17:20

**End Prep Date :** 05/10/2025 **Time :** 11:35

**Combination Ratio :** 20

**ZHE Cleaning Batch :** ~~N/A~~ JP

**Initial Room Temperature:** 23 °C

**Final Room Temperature:** 22 °C

**TCLP Technician Signature :** JP

**Supervisor By :** JP

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| 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 |

| Chemical Used | ML/SAMPLE U | Lot Number |
|---|---|---|
| SPLP FLUID | WP112802 | N/A |
| N/A | N/A | N/A |
| HNO3-TCLP,1N | N/A | WP112799 |
| pH Strips | N/A | W1931,W1934,W3171,W3172 |
| pH Strips | N/A | W3166,W1938,W1939, |
| N/A | N/A | N/A |
| 120ml Plastic bottle | N/A | 2738 |
| 1:1 HNO3 | N/A | MP84041 |

**Extraction Conformance/Non-Conformance Comments:**

Matrix spikes are added after fiftration and before preservation. TUMBLER T-2 checked,30 rpm. q1984-16 is used for MS-MSD.

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 05/12/25 11:30 | JP Tech Room | SIGN. IMS |
| | Preparation Group | Analysis Group DJ4 |

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**SPLP EXTRACTION LOGPAGE**

PB167933

| Sample ID | ClientID | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| PB167933TB | LEB933 | 19 | N/A | 2000 | N/A | N/A | N/A | 4.24 | 1.0 | T-2 |
| Q1984-02 | OU4-PCS-TC-33-050725 | 11 | 100.02 | 2000 | N/A | N/A | N/A | 5.6 | 1.5 | T-2 |
| Q1984-04 | OU4-PCS-TC-34-050725 | 12 | 100.03 | 2000 | N/A | N/A | N/A | 5.5 | 1.0 | T-2 |
| Q1984-06 | OU4-PCS-TC-35-050725 | 13 | 100.02 | 2000 | N/A | N/A | N/A | 5.6 | 1.0 | T-2 |
| Q1984-08 | OU4-TS-24-050725 | 14 | 100.02 | 2000 | N/A | N/A | N/A | 4.5 | 1.5 | T-2 |
| Q1984-10 | OU4-TS-25-050725 | 15 | 100.03 | 2000 | N/A | N/A | N/A | 4.0 | 1.5 | T-2 |
| Q1984-12 | OU4-TS-26-050725 | 16 | 100.02 | 2000 | N/A | N/A | N/A | 4.5 | 1.0 | T-2 |
| Q1984-14 | OU4-TS-27-050725 | 17 | 100.02 | 2000 | N/A | N/A | N/A | 4.0 | 1.5 | T-2 |
| Q1984-16 | OU4-TS-28-050725 | 18 | 100.03 | 2000 | N/A | N/A | N/A | 4.5 | 1.0 | T-2 |

| SampleID | ClientID | Sample Weight (g) | Filter Weight (g) | Filtrate (mL) | Filter + Solid (After 100°C) | % solids | % Dry Solids |
|---|---|---|---|---|---|---|---|
| PB167933TB | LEB933 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q1984-02 | OU4-PCS-TC-33-050725 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q1984-04 | OU4-PCS-TC-34-050725 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q1984-06 | OU4-PCS-TC-35-050725 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q1984-08 | OU4-TS-24-050725 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q1984-10 | OU4-TS-25-050725 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q1984-12 | OU4-TS-26-050725 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q1984-14 | OU4-TS-27-050725 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q1984-16 | OU4-TS-28-050725 | N/A | N/A | N/A | N/A | 100 | N/A |

Alliance TECHNICAL GROUP

**SPLP Fluid Determination**

PB167933

**Hot Block ID :** WC S-1 / WC S-2

**Thermometer ID :** FLASHPOINT

| SampleID | ClientID | Sample Weight (g) | Volume DI Water (mL) | PH after 5 min stir | PH after 10 min stir | Extraction Fluid 1 or 2 | pH Extraction Fluid |
|---|---|---|---|---|---|---|---|
| PB167933TB | LEB933 | N/A | N/A | N/A | N/A | #1 | 4.24 |
| Q1984-02 | OU4-PCS-TC-33-050725 | N/A | N/A | N/A | N/A | #1 | 4.24 |
| Q1984-04 | OU4-PCS-TC-34-050725 | N/A | N/A | N/A | N/A | #1 | 4.24 |
| Q1984-06 | OU4-PCS-TC-35-050725 | N/A | N/A | N/A | N/A | #1 | 4.24 |
| Q1984-08 | OU4-TS-24-050725 | N/A | N/A | N/A | N/A | #1 | 4.24 |
| Q1984-10 | OU4-TS-25-050725 | N/A | N/A | N/A | N/A | #1 | 4.24 |
| Q1984-12 | OU4-TS-26-050725 | N/A | N/A | N/A | N/A | #1 | 4.24 |
| Q1984-14 | OU4-TS-27-050725 | N/A | N/A | N/A | N/A | #1 | 4.24 |
| Q1984-16 | OU4-TS-28-050725 | N/A | N/A | N/A | N/A | #1 | 4.24 |

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# Prep Standard - Chemical Standard Summary

**Order ID :** Q1984

**Test :** SPLP Mercury,SPLP MetalGroup3

**Prepbatch ID :** PB167960,PB167978,

**Sequence ID/Qc Batch ID:** LB135763,LB135886,LB135893,

**Standard ID :**
MP85156,MP85240,MP85241,MP85242,MP85243,MP85577,MP85579,MP85580,MP85581,MP85582,MP85583,MP85584,MP85592,MP85594,MP85595,MP85602,MP85604,MP85605,MP85606,MP85607,MP85608,MP85641,MP85642,MP85643,MP85644,MP85645,MP85647,MP85648,MP85649,MP85650,MP85651,MP85652,MP85653,MP85654,MP85655,MP85656,MP85657,MP85658,MP85659,

**Chemical ID :**
M4251,M4465,M4916,M5062,M5305,M5470,M5520,M5658,M5697,M5739,M5751,M5798,M5799,M5800,M5801,M5811,M5815,M5817,M5873,M5874,M5884,M5942,M5961,M5962,M5977,M5981,M6021,M6023,M6025,M6026,M6028,M6030,M6032,M6041,M6055,M6079,M6086,M6127,M6128,M6137,M6142,M6144,M6145,M6146,M6150,M6151,M6153,M6158,M6159,M6161,W3112,

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Fax : 908 789 8922

# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 170 | 1:1HCL | MP85156 | 04/07/2025 | 08/18/2025 | Kareem Khairalla | None | None | Sarabjit Jaswal 04/07/2025 |

**FROM** 1250.00000ml of M6151 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3965 | 2:1 H2SO4 : HNO3 | MP85240 | 04/16/2025 | 10/16/2025 | Mohan Bera | None | None | Sarabjit Jaswal 04/29/2025 |

**FROM** 1600.00000ml of M6041 + 800.00000ml of M6158 = Final Quantity: 3200.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 65 | POTASSIUM PERMANGANATE SOLUTION 5 % | MP85241 | 04/16/2025 | 10/16/2025 | Mohan Bera | METALS_SCALE_3 (M SC-3) | None | Sarabjit Jaswal 04/29/2025 |

**FROM** 100.00000gram of M4916 + 2000.00000ml of W3112 = Final Quantity: 2000.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 66 | POTASSIUM PERSULFATE SOLUTION 5 % | MP85242 | 04/16/2025 | 08/06/2025 | Mohan Bera | METALS_SCALE_3 (M SC-3) | None | Sarabjit Jaswal 04/29/2025 |

**FROM** 100.00000ml of M4465 + 2000.00000ml of W3112 = Final Quantity: 2000.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 67 | SODIUM CHLORIDE - HYDROXYL- CHLORIDE SOLUTION | MP85243 | 04/16/2025 | 06/25/2025 | Mohan Bera | METALS_SCALE_3 (M SC-3) | None | Sarabjit Jaswal 04/29/2025 |

**FROM** 2000.00000ml of W3112 + 240.00000gram of M4251 + 240.00000gram of M5884 = Final Quantity: 2000.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1122 | ICPMS CALIB BLANK(S0/ICB/CCB) | MP85577 | 05/05/2025 | 05/26/2025 | Janvi Patel | METALS_SCALE_3 (M SC-3) | METALS_PIPETTE_1 (ICP A) | Sarabjit Jaswal 05/07/2025 |

**FROM** 25.00000ml of M6151 + 4925.00000ml of W3112 + 50.00000ml of M6158 = Final Quantity: 5000.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 2902 | S8 ICPMS | MP85579 | 05/05/2025 | 05/26/2025 | Janvi Patel | METALS_SCALE_3 (M SC-3) | METALS_PIPETTE_1 (ICP A) | Sarabjit Jaswal 05/07/2025 |

**FROM** 1.00000ml of M6159 + 2.50000ml of M5520 + 2.50000ml of M5811 + 2.50000ml of M6142 + 5.00000ml of M6086 + 5.00000ml of M6127 + 5.00000ml of M6144 + 76.50000ml of MP85577 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3947 | S7(SFAM,6020,200.8) | MP85580 | 05/05/2025 | 05/26/2025 | Janvi Patel | METALS_SCALE_3 (M SC-3) | METALS_PIPETTE_1 (ICP A) | Sarabjit Jaswal 05/07/2025 |

**FROM** 0.10000ml of M6153 + 1.00000ml of M5799 + 1.00000ml of M5981 + 1.00000ml of M6079 + 1.00000ml of M6137 + 1.90000ml of M6159 + 10.00000ml of M5942 + 10.00000ml of M5977 + 10.00000ml of M6158 + 2.00000ml of M5815 + 2.00000ml of M5817 + 4.00000ml of M6025 + 4.00000ml of M6032 + 4.90000ml of M5520 + 4.90000ml of M5811 + 5.00000ml of M6151 + 50.00000ml of M5305 + 830.50000ml of W3112 + 9.00000ml of M5751 + 9.00000ml of M6128 + 9.00000ml of M6145 + 9.90000ml of M6086 + 9.90000ml of M6127 + 9.90000ml of M6144 = Final Quantity: 1000.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3880 | M&B SPIKE-1 | MP85581 | 05/05/2025 | 05/26/2025 | Janvi Patel | METALS_SCALE_3 (M SC-3) | METALS_PIPETTE_1 (ICP A) | Sarabjit Jaswal 05/09/2025 |

**FROM** 5.00000ml of M5470 + 5.00000ml of M5658 + 5.00000ml of M5798 + 5.00000ml of M5800 + 5.00000ml of M5961 + 5.00000ml of M5962 + 5.00000ml of M5981 + 5.00000ml of M6021 + 5.00000ml of M6023 + 5.00000ml of M6028 + 5.00000ml of M6030 + 5.00000ml of M6079 + 5.00000ml of M6146 + 35.00000ml of MP85577 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3881 | M&B SPIKE-2 | MP85582 | 05/05/2025 | 05/26/2025 | Janvi Patel | METALS_SCALE_3 (M SC-3) | METALS_PIPETTE_1 (ICP A) | Sarabjit Jaswal 05/09/2025 |

**FROM** 10.00000ml of M5942 + 10.00000ml of M5977 + 12.50000ml of M5520 + 12.50000ml of M5811 + 12.50000ml of M6032 + 2.50000ml of M5799 + 2.50000ml of M6137 + 5.00000ml of M6159 + 32.50000ml of MP85577 = Final Quantity: 100.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3882 | M&B SPIKE-3 | MP85583 | 05/05/2025 | 05/26/2025 | Janvi Patel | METALS_SCALE_3 (M SC-3) | METALS_PIPETTE_1 (ICP A) | Sarabjit Jaswal 05/09/2025 |

**FROM** 0.62500ml of M6026 + 12.50000ml of M5697 + 12.50000ml of M6128 + 12.50000ml of M6145 + 11.87500ml of MP85577 = Final Quantity: 50.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3900 | M&B SPIKE-4 | MP85584 | 05/05/2025 | 05/26/2025 | Janvi Patel | METALS_SCALE_3 (M SC-3) | METALS_PIPETTE_1 (ICP A) | Sarabjit Jaswal 05/09/2025 |

**FROM** 6.25000ml of M6086 + 6.25000ml of M6127 + 6.25000ml of M6144 + 6.25000ml of MP85577 = Final Quantity: 25.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3948 | S6(SFAM,6020,200.8) | MP85592 | 05/05/2025 | 05/26/2025 | Janvi Patel | METALS_SCALE_3 (M SC-3) | METALS_PIPETTE_1 (ICP A) | Sarabjit Jaswal 05/09/2025 |

**FROM** 0.50000ml of M6151 + 1.00000ml of M6158 + 48.50000ml of W3112 + 50.00000ml of MP85580 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3949 | S5(SFAM,6020,200.8) | MP85594 | 05/05/2025 | 05/26/2025 | Janvi Patel | METALS_SCALE_3 (M SC-3) | METALS_PIPETTE_1 (ICP A) | Sarabjit Jaswal 05/09/2025 |

**FROM** 0.50000ml of M6151 + 1.00000ml of M6158 + 73.50000ml of W3112 + 25.00000ml of MP85580 = Final Quantity: 100.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3954 | S4(SFAM,6020,200.8) | MP85595 | 05/05/2025 | 05/26/2025 | Janvi Patel | METALS_SCALE_3 (M SC-3) | METALS_PIPETTE_1 (ICP A) | Sarabjit Jaswal 05/09/2025 |

**FROM** 0.50000ml of M6151 + 1.00000ml of M6158 + 86.00000ml of W3112 + 12.50000ml of MP85580 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3951 | S3(SFAM, 6020,200.8) | MP85602 | 05/05/2025 | 05/26/2025 | Janvi Patel | METALS_SCALE_3 (M SC-3) | METALS_PIPETTE_1 (ICP A) | Sarabjit Jaswal 05/09/2025 |

**FROM** 0.50000ml of M6151 + 1.00000ml of M6158 + 88.50000ml of W3112 + 10.00000ml of MP85592 = Final Quantity: 100.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3955 | S2CONC(SFAM,6020,200.8) | MP85604 | 05/05/2025 | 05/26/2025 | Janvi Patel | METALS_SCALE_3 (M SC-3) | METALS_PIPETTE_1 (ICP A) | Sarabjit Jaswal 05/09/2025 |

**FROM** 0.00500ml of M6153 + 0.05000ml of M5798 + 0.05000ml of M5800 + 0.05000ml of M5801 + 0.05000ml of M5961 + 0.05000ml of M5981 + 0.05000ml of M6023 + 0.05000ml of M6025 + 0.05000ml of M6028 + 0.05000ml of M6030 + 0.05000ml of M6079 + 0.05000ml of M6128 + 0.10000ml of M5658 + 0.10000ml of M5697 + 0.10000ml of M6146 + 0.10000ml of M6159 + 0.25000ml of M5799 + 0.25000ml of M5811 + 0.25000ml of M5942 + 0.25000ml of M5962 + 0.25000ml of M5977 + 0.25000ml of M6021 + 0.25000ml of M6145 + 0.50000ml of M6032 + 0.50000ml of M6137 + 1.25000ml of M5815 + 1.25000ml of M5817 + 1.25000ml of M6151 + 2.50000ml of M5520 + 2.50000ml of M6086 + 2.50000ml of M6127 + 2.50000ml of M6144 + 2.50000ml of M6158 + 230.04500ml of W3112 = Final Quantity: 250.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3956 | S2(SFAM,6020,200.8) | MP85605 | 05/05/2025 | 05/26/2025 | Janvi Patel | METALS_SCALE_3 (M SC-3) | METALS_PIPETTE_1 (ICP A) | Sarabjit Jaswal 05/09/2025 |

**FROM** 0.50000ml of M6151 + 1.00000ml of M6158 + 98.00000ml of W3112 + 0.50000ml of MP85604 = Final Quantity: 100.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3957 | S1(SFAM,6020,200.8) | MP85606 | 05/05/2025 | 05/26/2025 | Janvi Patel | METALS_SCALE_3 (M SC-3) | METALS_PIPETTE_1 (ICP A) | Sarabjit Jaswal 05/09/2025 |

**FROM** 0.50000ml of M6151 + 1.00000ml of M6158 + 88.50000ml of W3112 + 10.00000ml of MP85605 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3958 | ICV(SFAM) | MP85607 | 05/05/2025 | 05/26/2025 | Janvi Patel | METALS_SCALE_3 (M SC-3) | METALS_PIPETTE_1 (ICP A) | Sarabjit Jaswal 05/09/2025 |

**FROM** 2.00000ml of M6150 + 98.00000ml of MP85577 = Final Quantity: 100.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3961 | CCV | MP85608 | 05/05/2025 | 06/02/2025 | Janvi Patel | METALS_SCALE_3 (M SC-3) | METALS_PIPETTE_1 (ICP A) | Sarabjit Jaswal 05/09/2025 |

**FROM** 0.20000ml of M6026 + 0.50000ml of M5470 + 0.50000ml of M5799 + 0.50000ml of M5981 + 0.50000ml of M6079 + 0.50000ml of M6137 + 1.00000ml of M5815 + 1.00000ml of M5817 + 10.00000ml of M6158 + 12.45000ml of M5520 + 12.45000ml of M5811 + 2.00000ml of M6032 + 24.95000ml of M6086 + 24.95000ml of M6127 + 24.95000ml of M6144 + 25.00000ml of M5305 + 4.50000ml of M5697 + 4.50000ml of M6128 + 4.50000ml of M6145 + 4.95000ml of M6159 + 5.00000ml of M6151 + 5.50000ml of M5942 + 5.50000ml of M5977 + 824.10000ml of W3112 = Final Quantity: 1000.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1142 | ICSA ICPMS | MP85641 | 05/05/2025 | 05/26/2025 | Janvi Patel | None | METALS_PIPETTE_3 (A) | Sarabjit Jaswal 05/13/2025 |

**FROM** 10.00000ml of M5873 + 90.00000ml of MP85577 = Final Quantity: 100.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1143 | ICSAB ICPMS | MP85642 | 05/05/2025 | 05/26/2025 | Janvi Patel | None | METALS_PIPETTE_3 (A) | Sarabjit Jaswal 05/13/2025 |

**FROM** 10.00000ml of M5873 + 10.00000ml of M5874 + 80.00000ml of MP85577 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3962 | MG 10PPM FOR TUNE | MP85643 | 05/05/2025 | 05/26/2025 | Janvi Patel | None | METALS_PIPETTE_3 (A) | Sarabjit Jaswal 05/13/2025 |

**FROM** 0.01000ml of M6127 + 9.99000ml of MP85577 = Final Quantity: 100.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3894 | TUNE 200PPB | MP85644 | 05/05/2025 | 05/26/2025 | Janvi Patel | None | METALS_PIPETTE_3 (A) | Sarabjit Jaswal 05/13/2025 |

**FROM** 2.00000ml of M6055 + 2.00000ml of MP85643 + 96.00000ml of MP85577 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3903 | ISS 3PPM | MP85645 | 05/05/2025 | 05/26/2025 | Janvi Patel | None | METALS_PIPETTE_3 (A) | Sarabjit Jaswal 05/13/2025 |

**FROM** 5.00000ml of M6158 + 75.00000ml of M5739 + 170.00000ml of MP85577 = Final Quantity: 250.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 871 | MERCURY INTERMEDIATE B 250PPB WORKING STD. | MP85647 | 05/13/2025 | 05/14/2025 | Mohan Bera | None | METALS_PIPETTE_5 (HGA) | Sarabjit Jaswal 05/13/2025 |

**FROM** 1.00000ml of M6158 + 2.50000ml of M5062 + 96.50000ml of W3112 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1340 | Hg 0.00 PPB STD | MP85648 | 05/13/2025 | 05/14/2025 | Mohan Bera | None | METALS_PIPETTE_5 (HGA) | Sarabjit Jaswal 05/13/2025 |

**FROM** 2.50000ml of M6158 + 247.50000ml of W3112 = Final Quantity: 250.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1341 | Hg 0.2 PPB STD | MP85649 | 05/13/2025 | 05/14/2025 | Mohan Bera | None | METALS_PIPETTE_5 (HGA) | Sarabjit Jaswal 05/13/2025 |

**FROM** 2.50000ml of M6158 + 247.30000ml of W3112 + 0.20000ml of MP85647 = Final Quantity: 250.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1342 | Hg 2.5 PPB STD | MP85650 | 05/13/2025 | 05/14/2025 | Mohan Bera | None | METALS_PIPETTE_5 (HGA) | Sarabjit Jaswal 05/13/2025 |

**FROM** 2.50000ml of M6158 + 245.00000ml of W3112 + 2.50000ml of MP85647 = Final Quantity: 250.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1343 | Hg 5.0 PPB STD | MP85651 | 05/13/2025 | 05/14/2025 | Mohan Bera | None | METALS_PIPETTE_5 (HGA) | Sarabjit Jaswal 05/13/2025 |

**FROM** 2.50000ml of M6158 + 242.50000ml of W3112 + 5.00000ml of MP85647 = Final Quantity: 250.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1344 | Hg 7.5 PPB STD | MP85652 | 05/13/2025 | 05/14/2025 | Mohan Bera | None | METALS_PIPETTE_5 (HGA) | Sarabjit Jaswal 05/13/2025 |

**FROM** 2.50000ml of M6158 + 240.00000ml of W3112 + 7.50000ml of MP85647 = Final Quantity: 250.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1345 | Hg 10.0 PPB STD | MP85653 | 05/13/2025 | 05/14/2025 | Mohan Bera | None | METALS_PIPETTE_5 (HGA) | Sarabjit Jaswal 05/13/2025 |

**FROM** 2.50000ml of M6158 + 237.50000ml of W3112 + 10.00000ml of MP85647 = Final Quantity: 250.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1346 | Hg ICV SOLUTION | MP85654 | 05/13/2025 | 05/14/2025 | Mohan Bera | None | METALS_PIPETTE_5 (HGA) | Sarabjit Jaswal 05/13/2025 |

**FROM** 2.50000ml of M6158 + 2.50000ml of M6161 + 245.00000ml of W3112 = Final Quantity: 250.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1351 | ICB (Hg 0.00 PPB SOLUTION) | MP85655 | 05/13/2025 | 05/14/2025 | Mohan Bera | None | METALS_PIPETTE_5 (HGA) | Sarabjit Jaswal 05/13/2025 |

**FROM** 2.50000ml of M6158 + 247.50000ml of W3112 = Final Quantity: 250.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1358 | CCV (Hg 5.0 PPB SOLUTION) | MP85656 | 05/13/2025 | 05/14/2025 | Mohan Bera | None | METALS_PIPETTE_5 (HGA) | Sarabjit Jaswal 05/13/2025 |

**FROM** 485.00000ml of W3112 + 5.00000ml of M6158 + 10.00000ml of MP85647 = Final Quantity: 500.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1352 | CCB (Hg 0.00 PPB SOLUTION) | MP85657 | 05/13/2025 | 05/14/2025 | Mohan Bera | None | METALS_PIPETTE_5 (HGA) | Sarabjit Jaswal 05/13/2025 |

**FROM** 495.00000ml of W3112 + 5.00000ml of M6158 = Final Quantity: 500.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1349 | CRA/CRI (Hg 0.2 PPB SOLUTION) | MP85658 | 05/13/2025 | 05/14/2025 | Mohan Bera | None | METALS_PIPETTE_5 (HGA) | Sarabjit Jaswal 05/13/2025 |

**FROM** 2.50000ml of M6158 + 247.30000ml of W3112 + 0.20000ml of MP85647 = Final Quantity: 250.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1350 | CHK STD (Hg 7.0 PPB SOLUTION) | MP85659 | 05/13/2025 | 05/14/2025 | Mohan Bera | None | METALS_PIPETTE_5 (HGA) | Sarabjit Jaswal 05/13/2025 |

**FROM** 2.50000ml of M6158 + 240.50000ml of W3112 + 7.00000ml of MP85647 = Final Quantity: 250.000 ml

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-2196-01 / Hydroxylamine Hydrochloride, Crystal (cs/4x500g) | 0000215387 | 06/25/2025 | 12/19/2018 / mohan | 12/05/2018 / mohan | M4251 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-3238-05 / Potassium Persulfate (2.5kg) | 0000234156 | 08/06/2025 | 07/23/2019 / mohan | 07/25/2019 / manojkumar | M4465 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-3227-05 / Potassium Permanganate (2.5kg) | 210800 | 03/31/2026 | 11/30/2022 / mohan | 07/28/2021 / mohan | M4916 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | MSHG-10PPM / MERCURY HCl 125mL 10ug/mL | S2-HG709270 | 09/22/2026 | 05/28/2022 / mohan | 01/27/2022 / mohan | M5062 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | 6020CAL-1 / Calibration Standard Method 6020 | S2-MEB711244 | 10/20/2026 | 03/07/2025 / JANVI | 04/01/2022 / jaswal | M5305 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57038 / Sr, 1000 PPM, 125 ml | 082922 | 08/29/2025 | 04/14/2025 / jaswal | 03/16/2023 / jaswal | M5470 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57119 / Potassium (K) 10,000PPM | 120822 | 12/08/2025 | 08/01/2024 / Jaswal | 03/17/2023 / bin | M5520 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58024 / Chromium, Cr, 500 ml, 1000 PPM | 060523 | 06/05/2026 | 08/28/2023 / jaswal | 08/25/2023 / jaswal | M5658 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58029 / Cu, 1000 PPM, 500 ml | 102523 | 10/25/2026 | 04/03/2024 / jaswal | 10/27/2023 / jaswal | M5697 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | 6020ISS / 6020ISS, 10 ug/ml, Bi, Ho, In, 6Li, Rh, Sc, TB, Y | T2-MEB709511 | 09/03/2026 | 08/07/2024 / jaswal | 04/11/2022 / jaswal | M5739 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58029 / Cu, 1000 PPM, 500 ml | 071723 | 07/17/2026 | 10/01/2024 / Jaswal | 08/25/2023 / jaswal | M5751 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57004 / Be, 1000 PPM, 125 ml | 102523 | 10/25/2026 | 02/09/2024 / bin | 02/09/2024 / bin | M5798 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57050 / Sn, 1000 PPM, 125 ml | 071123 | 07/11/2026 | 02/09/2024 / bin | 02/09/2024 / bin | M5799 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57027 / CO, 1000 PPM, 125 ml | 091923 | 09/19/2026 | 05/31/2024 / bin | 02/09/2024 / bin | M5800 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57033 / As, 1000 PPM, 125 ml | 111323 | 11/13/2026 | 02/09/2024 / bin | 02/09/2024 / bin | M5801 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58126 / Fe, 10000 PPM, 500 ml | 051523 | 05/15/2026 | 02/06/2025 / kareem | 01/03/2024 / jaswal | M5811 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57115 / P, 10000 PPM, 125 ml | 041723 | 04/17/2026 | 05/21/2024 / Jaswal | 02/09/2024 / jaswal | M5815 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57116 / S, 10000 PPM, 125 ml | 071123 | 07/11/2026 | 03/01/2024 / jaswal | 02/09/2024 / jaswal | M5817 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| EPA | PART A / ICSA ( ICPMS ) STOCK SOLN | CP-MS ICSA-0803 | 05/31/2025 | 04/17/2024 / jaswal | 07/14/2022 / jaswal | M5873 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| EPA | PART B / ICSB (ICPMS) STOCK SOLUTION | CP-MS ICSB-0803 | 05/31/2025 | 04/17/2024 / jaswal | 07/14/2022 / jaswal | M5874 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-3624-05 / Sodium Chloride, Crystal (cs/4x2.5kg) | 0000281938 | 07/06/2026 | 04/30/2024 / mohan | 04/25/2024 / mohan | M5884 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | CGTI1-1 / TITANIUM 125mL 1000ug/mL | T2-TI719972 | 06/17/2027 | 06/18/2024 / Jaswal | 02/22/2024 / Jaswal | M5942 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57028 / Ni, 1000 PPM, 125 ml | 041124 | 04/11/2027 | 07/02/2024 / Jaswal | 06/11/2024 / Jaswal | M5961 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57034 / Se, 1000 PPM, 125 ml | 060624 | 06/06/2027 | 07/02/2024 / Jaswal | 06/14/2024 / Jaswal | M5962 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | CGMO1-1 / MOLYBDENUM 125mL 1000ug/mL | T2-MO720876 | 07/17/2027 | 01/16/2025 / JANVI | 02/22/2024 / Jaswal | M5977 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57092 / U, 1000 PPM, 125 ml | 060724 | 06/07/2027 | 07/29/2024 / Jaswal | 06/11/2024 / Jaswal | M5981 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57023 / V, 1000 PPM, 125 ml | 062424 | 06/24/2027 | 09/28/2024 / jaswal | 08/05/2024 / Jaswal | M6021 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57081 / Tl, 1000 PPM, 125 ml | 0624724 | 06/27/2027 | 08/05/2024 / kareem | 08/05/2024 / Jaswal | M6023 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57082 / Pb, 1000 PPM, 125 ml | 061224 | 11/09/2026 | 08/05/2024 / Jaswal | 08/05/2024 / Jaswal | M6025 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57182 / Pb, 10000 PPM, 125 ml | 110923 | 11/09/2026 | 12/05/2024 / janvi | 08/05/2024 / Jaswal | M6026 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57048 / Cd, 1000 PPM, 125 ml | 070124 | 07/01/2027 | 08/05/2024 / kareem | 08/05/2024 / Jaswal | M6028 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57047 / Ag, 1000 PPM, 125 ml | 122823 | 12/28/2026 | 08/05/2024 / kareem | 08/05/2024 / Jaswal | M6030 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57056 / Ba, 1000 PPM, 125 ml | 010924 | 01/09/2027 | 01/14/2025 / Jaswal | 08/05/2024 / Jaswal | M6032 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L) | 23D2462010 | 03/20/2028 | 08/16/2024 / mohan | 08/16/2024 / mohan | M6041 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | IV-STOCK-12 / ICP-MS TUNING SOLUTION, 125mL | U2-MEB734294 | 06/21/2028 | 08/21/2024 / Jaswal | 08/19/2024 / Jaswal | M6055 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57040 / Zr, 1000 PPM, 125 ml | 071423 | 07/14/2026 | 01/15/2025 / Jaswal | 09/30/2024 / Jaswal | M6079 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58120 / Calcium, 500 ml, 10000 PPM | 082324 | 08/23/2027 | 03/06/2025 / JANVI | 10/14/2024 / jaswal | M6086 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58112 / Mg, 10000 PPM, 500 ml | 112124 | 11/21/2027 | 01/13/2025 / kareem | 01/13/2025 / kareem | M6127 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58025 / Mn, 1000 PPM, 500 ml | 101124 | 10/11/2027 | 01/13/2025 / kareem | 01/13/2025 / kareem | M6128 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | CGSI1-1 / SILICON 125mL 1000ug/mL | V2-SI744713 | 07/10/2029 | 01/14/2025 / Jaswal | 10/03/2024 / Jaswal | M6137 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58119 / K, 10000 PPM, 500 ml | 103024 | 10/30/2027 | 05/06/2025 / JANVI | 01/13/2025 / Jaswal | M6142 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58111 / Na, 10000 PPM, 500 ml | 072424 | 07/24/2027 | 01/23/2025 / kareem | 01/13/2025 / Jaswal | M6144 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58030 / Zinc, Zn, 500 ml, 1000 PPM | 121724 | 12/17/2027 | 02/04/2025 / jaswal | 01/13/2025 / Jaswal | M6145 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57051 / Sb, 1000 PPM, 125 ml | 071724 | 07/17/2027 | 01/31/2025 / kareem | 10/18/2024 / kareem | M6146 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| EPA | ICV-1 / ICV ( ICP/ICPMS ) STOCK SOLN | ICV1-1014 | 07/07/2025 | 02/07/2025 / JANVI | 04/20/2021 / JANVI | M6150 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L) | 22G2862015 | 08/18/2025 | 02/18/2025 / Sagar | 01/15/2025 / Sagar | M6151 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | CGSR10 / Strontium (SR), 125mL 10,000ppm | V2-SR754329 | 02/28/2026 | 02/28/2025 / JANVI | 01/07/2025 / JANVI | M6153 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L) | 24D1062002 | 03/25/2029 | 03/10/2025 / Eman | 02/02/2025 / Sagar | M6158 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58113 / Al, 10000 PPM, 500 ml | 011325 | 03/18/2026 | 03/18/2025 / kareem | 02/09/2025 / kareem | M6159 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| EPA | ICV-5 / ICV ( HG ) STOCK SOLN | ICV 5 0415 | 07/31/2025 | 05/01/2025 / mohan | 03/30/2024 / mohan | M6161 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | DIW / DI Water | Daily Lab-Certified | 07/03/2029 | 07/03/2024 / lwona | 07/03/2024 / lwona | W3112 |

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M6032

R: 8/5/24

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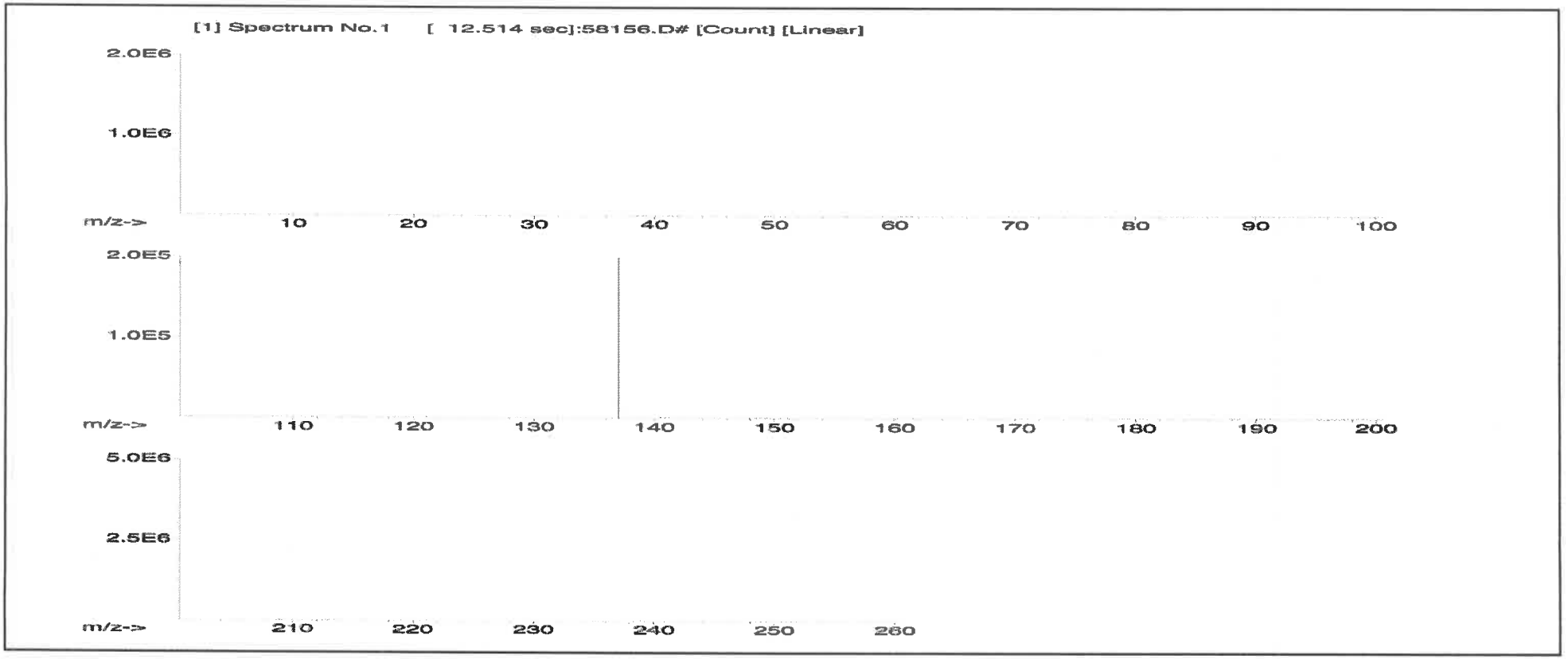
CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **57056** | | **Solvent:** | **Lot #** 24002546 | Nitric Acid |
| **Lot Number:** | **010924** | | | | |
| **Description:** | **Barium (Ba)** | | 2% | 40.0 (mL) | Nitric Acid |
| **Expiration Date:** | 010927 | | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | | |
| **Weight shown below was diluted to (mL):** | 2000.02 | 0.058 | Flask Uncertainty | | |

Giovanni Esposito

| | | |
|---|---|---|
| Formulated By: | Giovanni Esposito | 010924 |
| Reviewed By: | Pedro L. Rentas | 010924 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Barium nitrate (Ba) | IN023 | BAD022019A1 | 1000 | 99.999 | 0.10 | 52.3 | 3.82417 | 3.82441 | **1000.1** | **2.0** | 10022-31-8 | 0.5 mg/m3 | orl-rat 355 mg/kg | 3104a |






670 of 787
Q1984-METALS

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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

**Trace Metals Verification by ICP-MS (µg/mL)**

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | T | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Revd 10/14/2024 M6085/M6086/M6087

CERTIFIED WEIGHT REPORT:

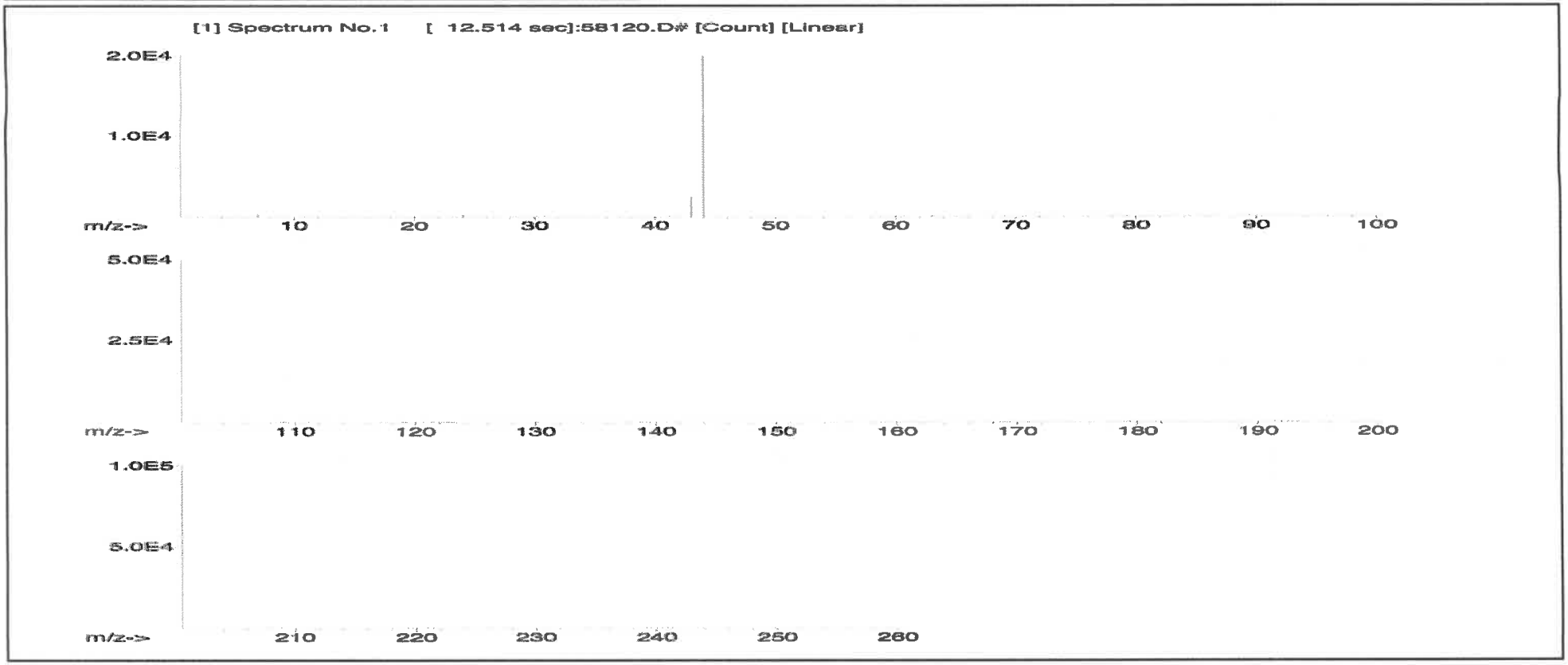
| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **58120** | | **Solvent:** | 24002546 | Nitric Acid |
| **Lot Number:** | **082324** | | | | |
| **Description:** | **Calcium (Ca)** | | 2% | 80.0 (mL) | Nitric Acid |
| **Expiration Date:** | 082327 | | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | | |
| **Nominal Concentration (µg/mL):** | **10000** | | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | | |
| **Weight shown below was diluted to (mL):** | 4000.1 | 0.15 | Flask Uncertainty | | |

Lot #

Giovanni Esposito

| | | |
|---|---|---|
| Formulated By: | Giovanni Esposito | 082324 |
| Reviewed By: | Pedro L. Rentas | 082324 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Calcium carbonate (Ca) | IN014 | CAD03203B3 | 10000 | 99.999 | 0.10 | 39.9 | 100.2537 | 100.2656 | **10001.2** | **20.0** | 471-34-1 | 5 mg/m3 | ori-rat >2000mg/kg | 3109a |



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## Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

**Trace Metals Verification by ICP-MS (µg/mL)**

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | T | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | 30 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

## Physical Characterization:

**Certified by:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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***Certified Reference Material CRM***

M6028

R 8/15/24

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## CERTIFIED WEIGHT REPORT:

**Part Number:** 57048
**Lot Number:** 070124
**Description:** Cadmium (Cd)

**Expiration Date:** 070127
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 1000
**NIST Test Number:** 6UTB

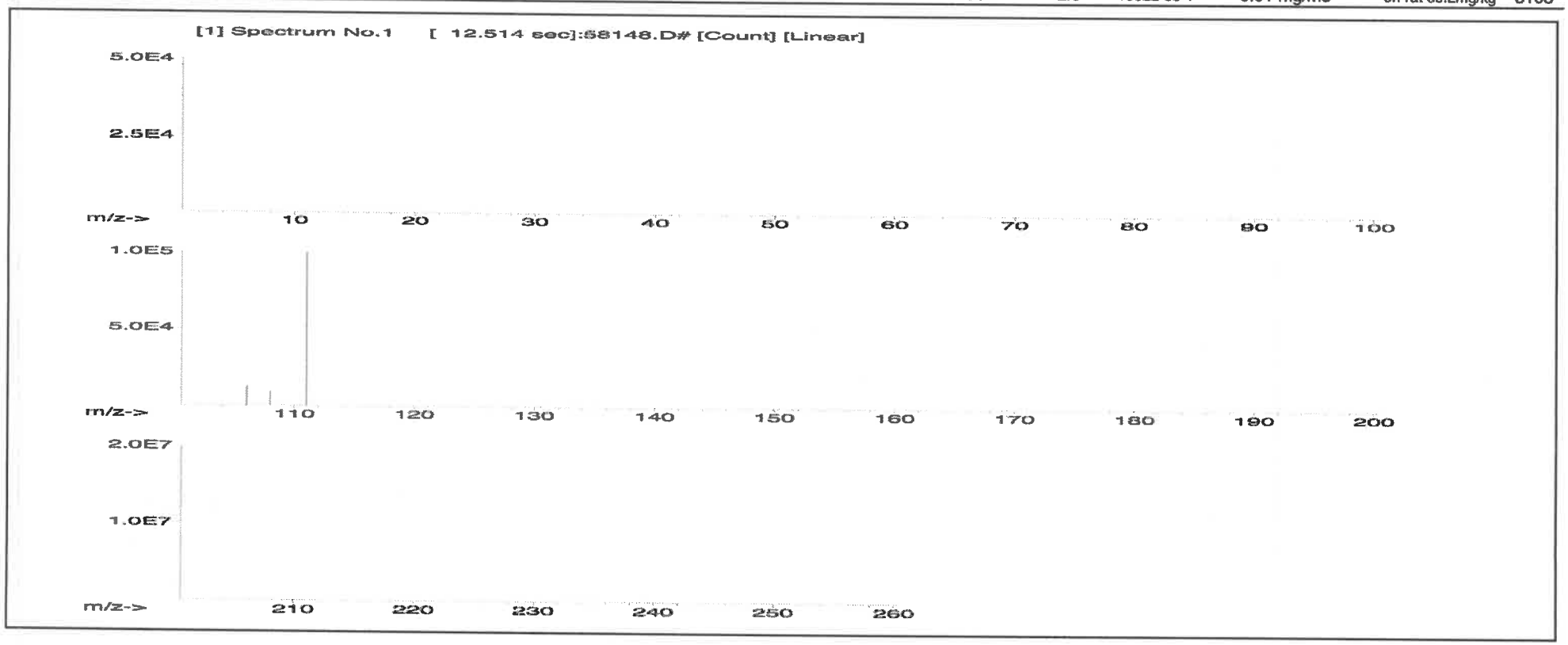
**Weight shown below was diluted to (mL):** 2000.07 ± 0.100 Flask Uncertainty

| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 24002546 | Nitric Acid | |
| 2% | 40.0 (mL) | Nitric Acid | ± 5E-05 Balance Uncertainty |

Aleah O'Brady
Formulated By: Aleah O'Brady 070124

Pedro Rentas
Reviewed By: Pedro L. Rentas 070124

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Cadmium nitrate tetrahydrate (Cd) | IN024 | CDM092021A1 | 1000 | 99.999 | 0.10 | 36.5 | 5.4797 | 5.4804 | **1000.1** | **2.0** | 10022-68-1 | 0.01 mg/m3 | orl-rat 60.2mg/kg | 3108 |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | T | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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R : 01/03/24. M5810, M5811

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CERTIFIED WEIGHT REPORT:

**Part Number:** 58126
**Lot Number:** 051523
**Description:** Iron (Fe)

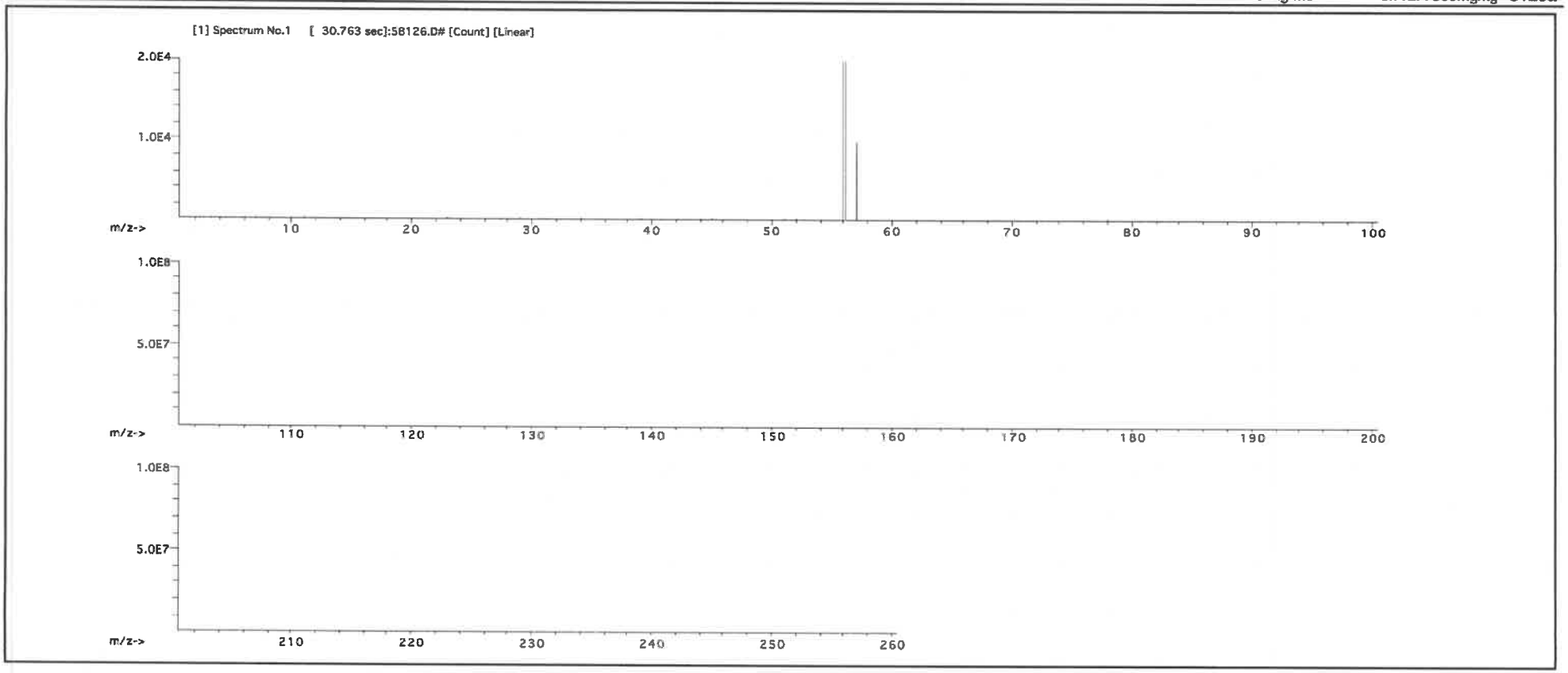
**Expiration Date:** 051526
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 5000.1

| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 21110221 | Nitric Acid | |
| 5.0% | 250.0 (mL) | Nitric Acid | |
| 5E-05 | Balance Uncertainty | | |
| 0.12 | Flask Uncertainty | | |

Giovanni Esposito
Formulated By: Giovanni Esposito 051523

Pedro Rentas
Reviewed By: Pedro L. Rentas 051523

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Iron (Fe) | IN346 | 2302010-500 | 10000 | 99.995 | 0.10 | 100.0 | 50.0034 | 50.0111 | **10001.5** | **20.0** | 7439-89-6 | 5 mg/m3 | orl-rat 7500mg/kg | 3126a |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

**Trace Metals Verification by ICP-MS (µg/mL)**

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.10 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.10 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.05 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.10 | Ge | <0.10 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.10 |
| B | <0.02 | Cu | <0.10 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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R: 8/5/24 M6025

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CERTIFIED WEIGHT REPORT:

**Part Number:** 57182
**Lot Number:** 110923
**Description:** Lead (Pb)

**Expiration Date:** 110926
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB

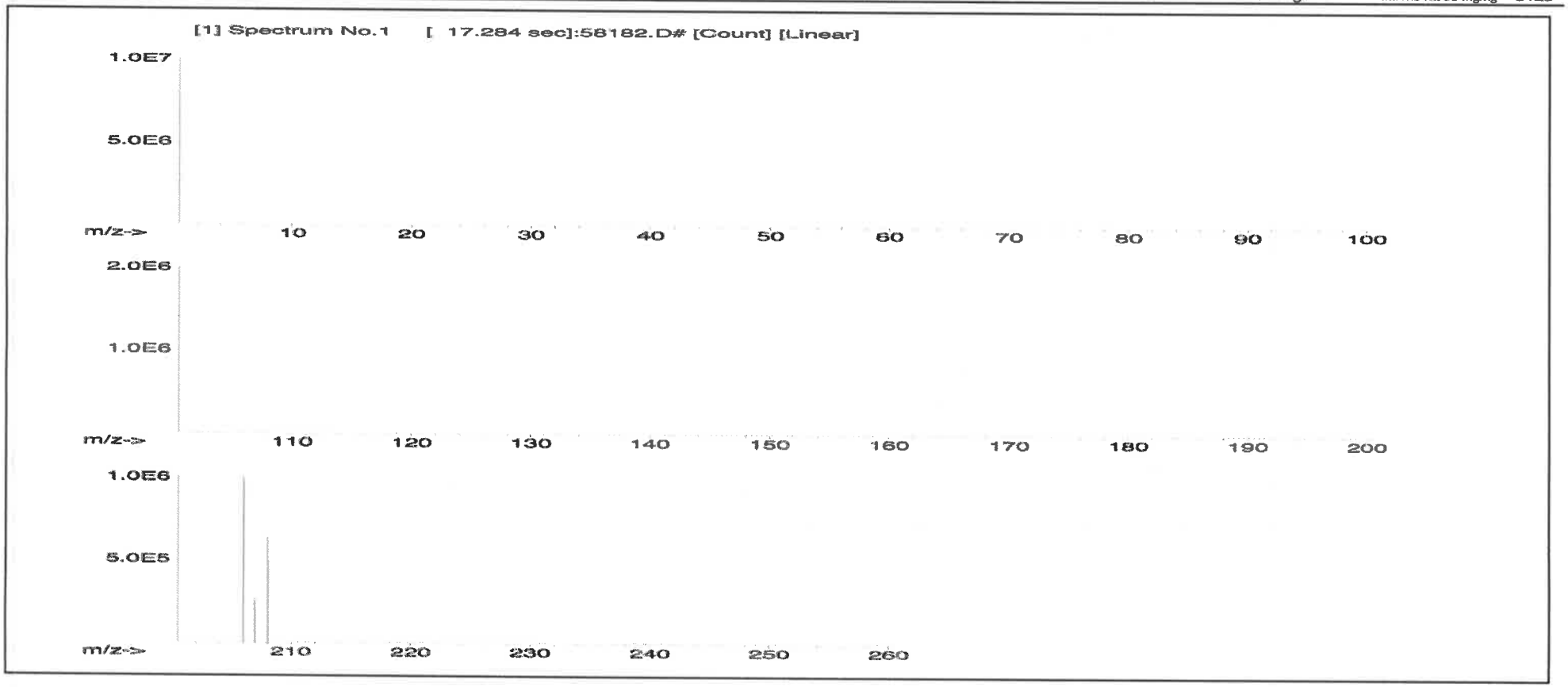
**Weight shown below was diluted to (mL):** 2000.02 0.058 Flask Uncertainty

| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 24002546 | Nitric Acid | |
| 2% | 40.0 (mL) | Nitric Acid | |

5E-05 Balance Uncertainty

| | | |
|---|---|---|
| Formulated By: | Lawence Barry | 110923 |
| Reviewed By: | Pedro L. Rentas | 110923 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Lead(II) nitrate (Pb) | IN029 | PBD122016A1 | 10000 | 99.999 | 0.10 | 62.5 | 32.0006 | 32.0040 | **10001.1** | **20.0** | 10099-74-8 | 0.05 mg/m3 | intrvns-rat 93 mg/kg | 3128 |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | T | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T)= Target analyte

**Physical Characterization:**

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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M6026

R: 8/5/24

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CERTIFIED WEIGHT REPORT:

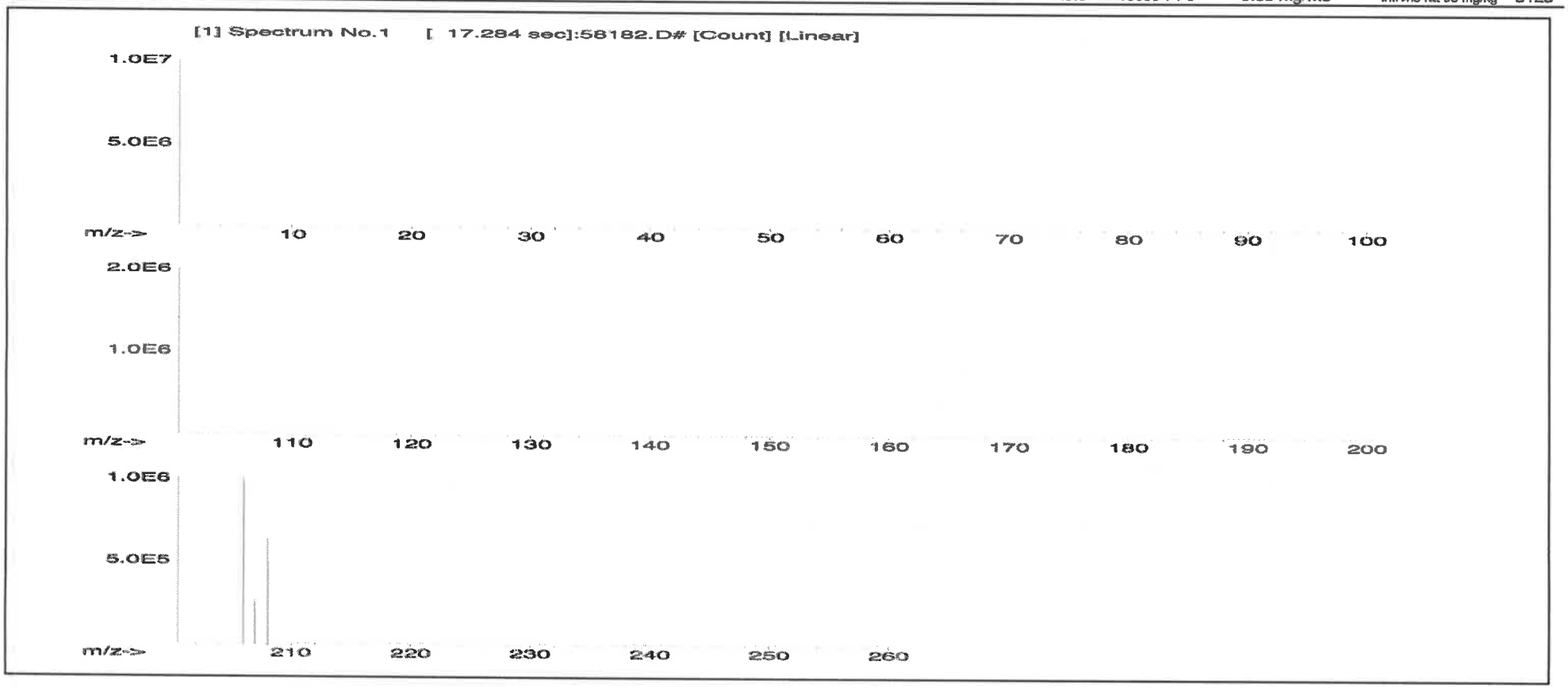
**Part Number:** 57182
**Lot Number:** 110923
**Description:** Lead (Pb)

**Expiration Date:** 110926
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 2000.02

| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 24002546 | Nitric Acid | |
| 2% | 40.0 (mL) | Nitric Acid | |
| | 5E-05 | Balance Uncertainty | |
| | 0.058 | Flask Uncertainty | |

| | | |
|---|---|---|
| Formulated By: | Lawence Barry | 110923 |
| Reviewed By: | Pedro L. Rentas | 110923 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Lead(II) nitrate (Pb) | IN029 | PBD122016A1 | 10000 | 99.999 | 0.10 | 62.5 | 32.0006 | 32.0040 | **10001.1** | **20.0** | 10099-74-8 | 0.05 mg/m3 | intrvns-rat 93 mg/kg | 3128 |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | T | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T)= Target analyte

**Physical Characterization:**

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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Hydroxylamine Hydrochloride, Crystal
BAKER ANALYZED® A.C.S. Reagent
Suitable for Mercury Determination
(hydroxylammonium chloride)

M4251
JB

Material No.: 2196-01
Batch No.: 0000215387
Manufactured Date: 2018/06/27
Retest Date: 2025/06/25
Revision No: 1

# Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

| Test | Specification | Result |
|---|---|---|
| Assay ($NH_2OH \cdot HCl$) (by $KMnO_4$ titrn) | >= 96.0 % | 99.1 |
| Clarity of Alcohol Solution | Passes Test | PT |
| Residue after Ignition | <= 0.050 % | 0.017 |
| Titrable Free Acid (meq/g) | <= 0.25 | 0.19 |
| Ammonium ($NH_4$) | Passes Test | PT |
| Sulfur Compounds (as $SO_4$) | <= 0.005 % | < 0.003 |
| Trace Impurities - ACS - Heavy Metals (as Pb) | <= 5 ppm | 4 |
| Trace Impurities - Iron (Fe) | <= 5 ppm | < 3 |
| Trace Impurities - Mercury (Hg) | <= 0.050 ppm | < 0.005 |

For Laboratory, Research or Manufacturing Use

Country of Origin: CN
Packaging Site: Paris Mfg Ctr & DC

ISO
Phillipsburg, NJ 9001:2015, FSSC22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Gliwice, Poland 9001:2015, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2015, 17025:2005
Panoli, India 9001:2015

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

M4913-16
MB



# Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120632

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

| | | | |
|---|---|---|---|
| Catalog Number | P279 | Quality Test / Release Date | 01/12/2021 |
| Lot Number | 210306 | | |
| Description | POTASSIUM PERMANGANATE, A.C.S. | | |
| Country of Origin | United States | Suggested Retest Date | Jan/2026 |

| N/A | | | |
|---|---|---|---|
| Result Name | Units | Specifications | Test Value |
| APPEARANCE | | REPORT | Dark purple to purple green crystals |
| ASSAY | % | >= 99 | 99.3 |
| CHLORIDE & CHLORATE | % | <= 0.005 | <0.005 |
| IDENTIFICATION | PASS/FAIL | = PASS TEST | pass test |
| INSOLUBLE MATTER | % | <= 0.2 | <0.2 |
| MERCURY (Hg) | ppm | <= 0.05 | <0.004 |
| SULFATE (SO4) | % | <= 0.02 | <0.02 |

Julian Burton

Julian Burton - Quality Control Manager – Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

INORGANIC VENTURES
Refine your results. Redefine your industry.

# Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

M5062
M5063
M3

## 1.0 ACCREDITATION / REGISTRATION

**INORGANIC VENTURES** is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

## 2.0 PRODUCT DESCRIPTION

| | |
|---|---|
| Product Code: | Single Analyte Mass Spec Solution |
| Catalog Number: | MSHG-10PPM |
| Lot Number: | S2-HG709270 |
| Matrix: | 10% (v/v) HCl |
| Value / Analyte(s): | 10 µg/mL ea: Mercury |
| Starting Material: | Hg metal |
| Starting Material Lot#: | 1959 |
| Starting Material Purity: | 99.9994% |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Value:** 10.001 ± 0.053 µg/mL

**Density:** 1.020 g/mL (measured at 20 ± 4 °C)

### Assay Information:

| ANALYTE | METHOD | NIST SRM# | SRM LOT# |
|---|---|---|---|
| Hg | ICP Assay | 3133 | 160921 |
| Hg | EDTA | 928 | 928 |
| Hg | Calculated | | See Sec. 4.2 |

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

### Characterization of CRM/RM by Two or More Methods

**Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:**

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

$w_i$ = the weighting factors for each method calculated using the inverse square of the variance.

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

**CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$**

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

### Characterization of CRM/RM by One Method

**Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:**

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

$X_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

**CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$**

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

## 4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

### 4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

### 4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

### 4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

## 5.0 TRACE METALLIC IMPURITIES (TMI ) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| O | Ag | | 0.000011 | M | Eu | < | 0.000201 | O | Na | | 0.000004 | M | Se | < | 0.015915 | O | Zn | < | 0.001510 |
| O | Al | | 0.000001 | O | Fe | | 0.000001 | M | Nb | < | 0.000201 | O | Si | | 0.000005 | M | Zr | < | 0.000201 |
| M | As | < | 0.000402 | M | Ga | < | 0.000201 | M | Nd | < | 0.000201 | M | Sm | < | 0.000201 | | | | |
| M | Au | < | 0.003631 | M | Gd | < | 0.000201 | M | Ni | < | 0.000402 | M | Sn | < | 0.001007 | | | | |
| M | B | < | 0.001208 | M | Ge | < | 0.000201 | M | Os | < | 0.000605 | M | Sr | < | 0.000201 | | | | |
| M | Ba | < | 0.000201 | M | Hf | < | 0.000201 | O | P | < | 0.032370 | M | Ta | < | 0.000201 | | | | |
| M | Be | < | 0.000201 | s | Hg | < | | M | Pb | < | 0.000201 | M | Tb | < | 0.000201 | | | | |
| M | Bi | < | 0.000201 | M | Ho | < | 0.000201 | M | Pd | < | 0.000403 | M | Te | < | 0.002216 | | | | |
| O | Ca | | 0.000007 | M | In | < | 0.000201 | M | Pr | < | 0.000201 | M | Th | < | 0.000201 | | | | |
| M | Cd | < | 0.000201 | M | Ir | < | 0.000201 | M | Pt | < | 0.000402 | M | Ti | < | 0.000402 | | | | |
| M | Ce | < | 0.000201 | O | K | | 0.000020 | M | Rb | < | 0.000201 | O | Tl | < | 0.016508 | | | | |
| M | Co | < | 0.000201 | M | La | < | 0.000201 | M | Re | < | 0.000201 | M | Tm | < | 0.000201 | | | | |
| O | Cr | < | 0.003021 | O | Li | < | 0.000107 | M | Rh | < | 0.000201 | M | U | < | 0.008058 | | | | |
| M | Cs | < | 0.001208 | M | Lu | < | 0.000201 | M | Ru | < | 0.000201 | M | V | < | 0.000201 | | | | |
| M | Cu | < | 0.000402 | O | Mg | | 0.000001 | O | S | < | 0.053950 | M | W | < | 0.000604 | | | | |
| M | Dy | < | 0.000201 | M | Mn | < | 0.000604 | M | Sb | < | 0.001208 | M | Y | < | 0.000201 | | | | |
| M | Er | < | 0.000201 | M | Mo | | 0.000009 | M | Sc | < | 0.000201 | M | Yb | < | 0.000201 | | | | |

M - Checked by ICP-MS  O - Checked by ICP-OES  i - Spectral Interference
n - Not Checked For  s - Solution Standard Element

## 6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

## 7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

### 7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

**Atomic Weight; Valence; Coordination Number; Chemical Form in Solution -** 200.59 +2 4 Hg(OH)(aq) 1+

**Chemical Compatibility -** Stable in HNO3. Avoid basic media forming insoluble carbonate. The sulfide, basic carbonate, oxalate, phosphate, arsenite, arsenate and iodide are insoluble in water.

**Stability -** 2-100 ppb levels not stable in 1% HNO3 / LDPE container, stable in 10% HNO3 packaged in borosilicate glass. 1-100 ppm levels stable in 7% HNO3 packaged in borosilicate glass. 1000-10,000 ppm solutions are chemically stable for years in 5-10% HNO3 / LDPE container.

**Hg Containing Samples (Preparation and Solution) -** Metal (soluble in HNO3 ); Oxide ( Soluble in HNO3); Ores and Organic based (The literature has more references to the preparation of Hg containing samples than any other element. Please consult the literature for your specific sample type, since such preparations are prone to error. Or e-mail our technical staff and we will contact you to discuss your particular sample preparation questions in further detail.).

**Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):**

| **Technique/Line** | **Estimated D.L.** | **Order** | **Interferences** (underlined indicates severe) |
|---|---|---|---|
| ICP-MS 202 amu | 9 ppt | n/a | 186W16O |
| ICP-OES 184.950 nm | 0.03 / 0.005 µg/mL | 1 | |
| ICP-OES 194.227 nm | 0.03 / 0.005 µg/mL | 1 | V |
| ICP-OES 253.652 nm | 0.1 / 0.03 µg/mL | 1 | Ta, Co, Th ,Rh , Fe, U |

## 8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

## 9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

## 10.0 QUALITY STANDARD DOCUMENTATION

### 10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

### 10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

### 10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

## 11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

### 11.1 Certification Issue Date

September 22, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

### 11.2 Lot Expiration Date

**- September 22, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

### 11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Prepared By:**

Uyen Truong
Supervisor, Product Documentation



**Certificate Approved By:**

Michael Booth
Director, Quality Control



**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director



INORGANIC VENTURES™
Refine your results. Redefine your industry.

# Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

## 1.0 ACCREDITATION / REGISTRATION

**INORGANIC VENTURES** is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

## 2.0 PRODUCT DESCRIPTION

| | |
|---|---|
| Product Code: | Multi Analyte Custom Grade Solution |
| Catalog Number: | 6020CAL-1 |
| Lot Number: | S2-MEB711244 |
| Matrix: | 5% (v/v) HNO3<br>tr. HF |
| Value / Analyte(s): | 20 µg/mL ea: |

| | |
|---|---|
| Silver, | Aluminum, |
| Arsenic, | Barium, |
| Beryllium, | Calcium, |
| Cadmium, | Cobalt, |
| Chromium, | Copper, |
| Iron, | Potassium, |
| Magnesium, | Manganese, |
| Sodium, | Nickel, |
| Lead, | Antimony, |
| Selenium, | Thallium, |
| Vanadium, | Zinc |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ANALYTE | CERTIFIED VALUE | ANALYTE | CERTIFIED VALUE |
|---|---|---|---|
| **Aluminum, Al** | **20.01 ± 0.08 µg/mL** | **Antimony, Sb** | **20.01 ± 0.12 µg/mL** |
| **Arsenic, As** | **20.01 ± 0.18 µg/mL** | **Barium, Ba** | **20.01 ± 0.11 µg/mL** |
| **Beryllium, Be** | **20.01 ± 0.14 µg/mL** | **Cadmium, Cd** | **20.01 ± 0.11 µg/mL** |
| **Calcium, Ca** | **20.01 ± 0.10 µg/mL** | **Chromium, Cr** | **20.01 ± 0.16 µg/mL** |
| **Cobalt, Co** | **20.01 ± 0.11 µg/mL** | **Copper, Cu** | **20.01 ± 0.10 µg/mL** |
| **Iron, Fe** | **20.01 ± 0.09 µg/mL** | **Lead, Pb** | **20.01 ± 0.11 µg/mL** |
| **Magnesium, Mg** | **19.99 ± 0.10 µg/mL** | **Manganese, Mn** | **20.01 ± 0.10 µg/mL** |
| **Nickel, Ni** | **20.01 ± 0.11 µg/mL** | **Potassium, K** | **20.01 ± 0.10 µg/mL** |
| **Selenium, Se** | **20.02 ± 0.14 µg/mL** | **Silver, Ag** | **20.02 ± 0.09 µg/mL** |
| **Sodium, Na** | **20.01 ± 0.10 µg/mL** | **Thallium, Tl** | **20.01 ± 0.13 µg/mL** |
| **Vanadium, V** | **20.01 ± 0.11 µg/mL** | **Zinc, Zn** | **20.01 ± 0.11 µg/mL** |

**Density:** 1.026 g/mL (measured at 20 ± 4 ºC)

## Assay Information:

| ANALYTE | METHOD | NIST SRM# | SRM LOT# |
|---|---|---|---|
| Ag | ICP Assay | 3151 | 160729 |
| Ag | Volhard | 999c | 999c |
| Al | ICP Assay | 3101a | 140903 |
| Al | EDTA | 928 | 928 |
| As | ICP Assay | 3103a | 100818 |
| Ba | ICP Assay | 3104a | 140909 |
| Ba | Gravimetric | | See Sec. 4.2 |
| Be | ICP Assay | 3105a | 090514 |
| Ca | ICP Assay | 3109a | 130213 |
| Ca | EDTA | 928 | 928 |
| Cd | ICP Assay | 3108 | 130116 |
| Cd | EDTA | 928 | 928 |
| Co | ICP Assay | 3113 | 190630 |
| Co | EDTA | 928 | 928 |
| Cr | ICP Assay | 3112a | 170630 |
| Cu | ICP Assay | 3114 | 121207 |
| Cu | EDTA | 928 | 928 |
| Fe | ICP Assay | 3126a | 140812 |
| Fe | EDTA | 928 | 928 |
| Fe | Calculated | | See Sec. 4.2 |
| K | ICP Assay | 3141a | 140813 |
| K | Gravimetric | | See Sec. 4.2 |
| Mg | ICP Assay | 3131a | 140110 |
| Mg | EDTA | 928 | 928 |
| Mn | ICP Assay | 3132 | 050429 |
| Mn | EDTA | 928 | 928 |
| Na | ICP Assay | 3152a | 120715 |
| Na | Gravimetric | | See Sec. 4.2 |
| Ni | ICP Assay | 3136 | 120619 |
| Ni | EDTA | 928 | 928 |
| Pb | ICP Assay | 3128 | 101026 |
| Pb | EDTA | 928 | 928 |
| Se | ICP Assay | 3149 | 100901 |
| Se | Calculated | | See Sec. 4.2 |
| Tl | ICP Assay | 3158 | 151215 |
| Tl | Calculated | | See Sec. 4.2 |
| V | ICP Assay | 3165 | 160906 |
| V | EDTA | 928 | 928 |
| Zn | ICP Assay | 3168a | 120629 |
| Zn | EDTA | 928 | 928 |

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

**Characterization of CRM/RM by Two or More Methods**

**Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:**

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

$w_i$ = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

**Characterization of CRM/RM by One Method**

**Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:**

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

$X_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

## 4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

### 4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

### 4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

### 4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

## 5.0 TRACE METALLIC IMPURITIES (TMI ) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

## 6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

## 7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

### 7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

**HF Note:** This standard should not be prepared or stored in glass.

**Low Silver Note:** This solution contains “LOW” levels of Silver. Please store this entire bottle inside a sealed glass jar.

## 8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

## 9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

## 10.0 QUALITY STANDARD DOCUMENTATION

### 10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

### 10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

### 10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

## 11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

### 11.1 Certification Issue Date

October 20, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

### 11.2 Lot Expiration Date

- **October 20, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

### 11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Approved By:**

Michael Booth
Director, Quality Control



**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director



**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

*Certified Reference Material CRM*

M519. M520 BH R:03/17/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

**Part Number:** 58119
**Lot Number:** 120822
**Description:** Potassium (K)

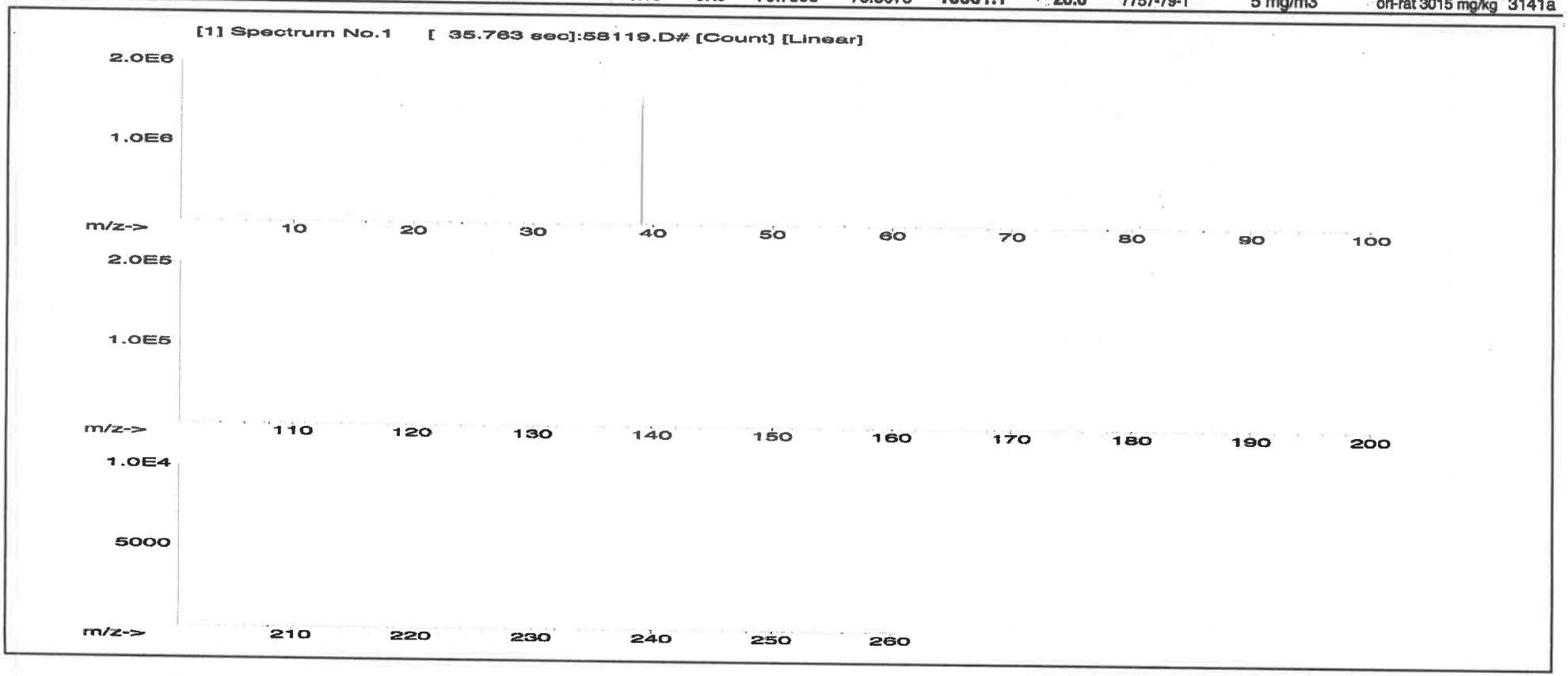
**Expiration Date:** 120825
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 3000.4

| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 20510011 | Nitric Acid | |
| 2% | 60.0 (mL) | Nitric Acid | |
| | 5E-05 | Balance Uncertainty | |
| | 0.06 | Flask Uncertainty | |

Giovanni Esposito
Formulated By: Giovanni Esposito 120822

Pedro Rentas
Reviewed By: Pedro L. Rentas 120822

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Potassium nitrate (K) | IN034 | KD022021A1 | 10000 | 99.999 | 0.10 | 37.6 | 79.7990 | 79.8075 | **10001.1** | **20.0** | 7757-79-1 | 5 mg/m3 | orl-rat 3015 mg/kg | 3141a |



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*Certified Reference Material CRM*

ANAB ISO 17034 Accredited
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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

**Trace Metals Verification by ICP-MS (µg/mL)**

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | T | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

**Certified by:**



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

*Certified Reference Material CRM*

M5658 R ! 8/25/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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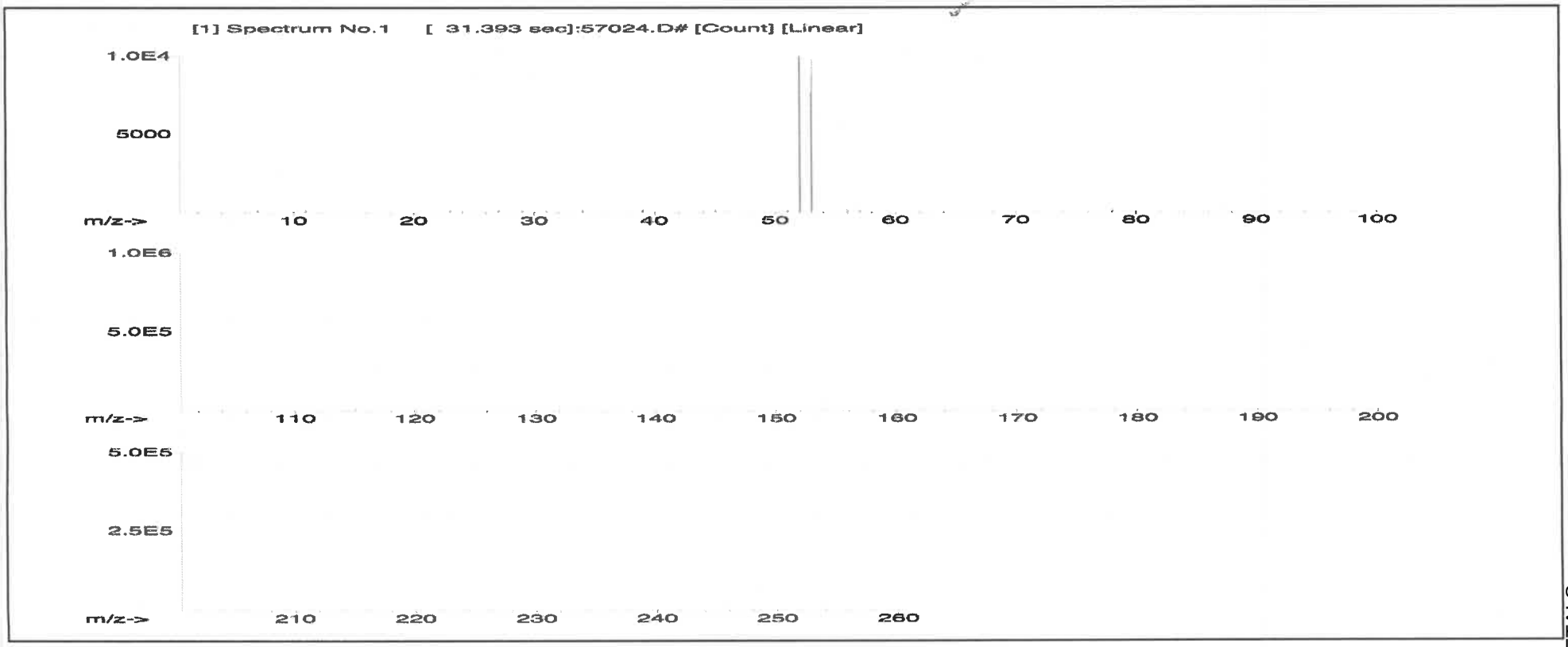


CERTIFIED WEIGHT REPORT:

| | | Lot # | Solvent: | |
|---|---|---|---|---|
| **Part Number:** | **58024** | 21110221 | Nitric Acid | |
| **Lot Number:** | **060523** | | | |
| **Description:** | **Chromium (Cr)** | | | |
| | | 2.0% | 40.0 (mL) | Nitric Acid |
| **Expiration Date:** | 060526 | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | |
| **Volume shown below was diluted to (mL):** | 2000.02 | 0.058 | Flask Uncertainty | |

| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 060523 |
| Reviewed By: | Pedro L. Rentas | 060523 |

| Compound | Part Number | Lot Number | Dilution Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Nominal Conc. (µg/mL) | Initial Conc. (µg/mL) | Final Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Chromium(III) nitrate nonahydrate (Cr) | 58124 | 071122 | 0.1000 | 200.0 | 0.084 | 1000 | 10000.1 | **1000.0** | **2.2** | 7789-02-8 | 0.5 mg(Cr)/m3 | orl-rat 3250 mg/kg | 3112a |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

**Trace Metals Verification by ICP-MS (µg/mL)**

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | T | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T)= Target analyte

**Physical Characterization:**

**Certified by:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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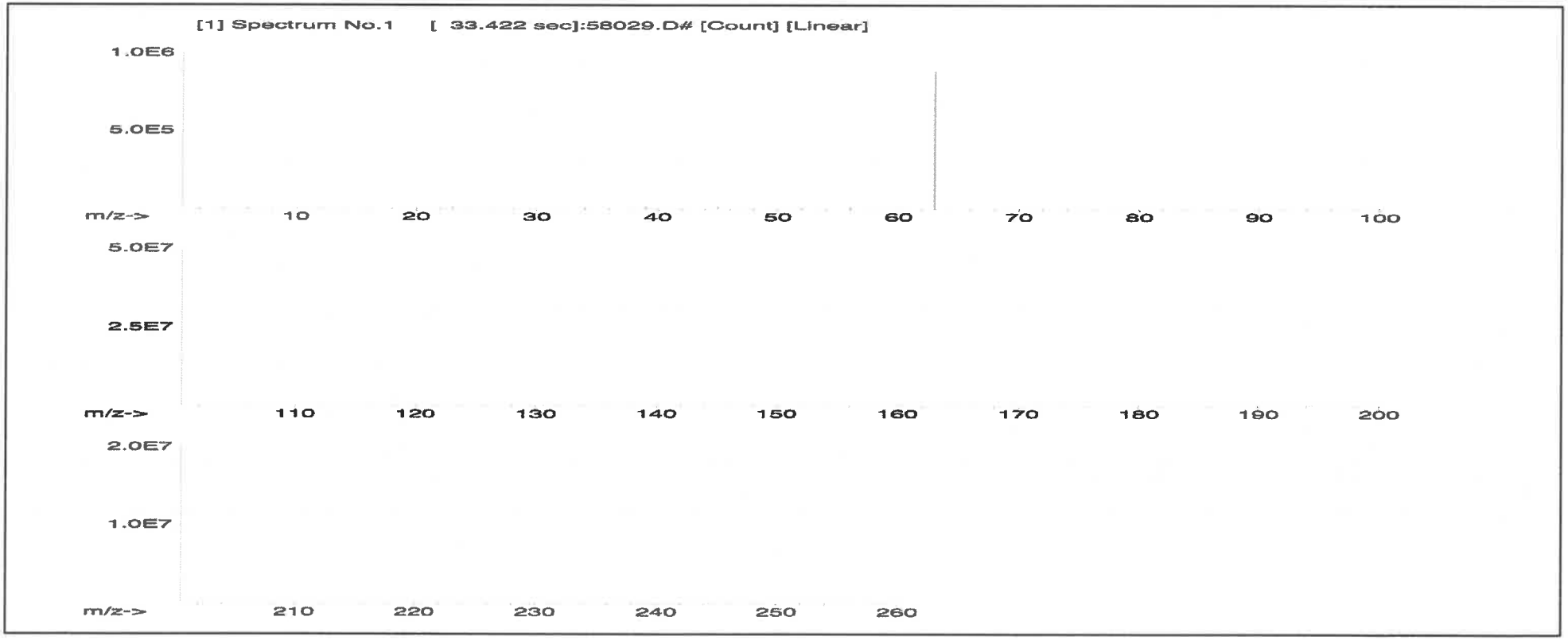


CERTIFIED WEIGHT REPORT:

| | | Lot # | Solvent: | |
|---|---|---|---|---|
| **Part Number:** | **58029** | 24002546 | Nitric Acid | |
| **Lot Number:** | **102523** | | | |
| **Description:** | **Copper (Cu)** | | | |
| | | 2.0% | 40.0 (mL) | Nitric Acid |
| **Expiration Date:** | 102526 | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | |
| **Volume shown below was diluted to (mL):** | 2000.02 | 0.058 | Flask Uncertainty | |

| | | |
|---|---|---|
| Formulated By: | Benson Chan | 102523 |
| Reviewed By: | Pedro L. Rentas | 102523 |

| Compound | Part Number | Lot Number | Dilution Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Nominal Conc. (µg/mL) | Initial Conc. (µg/mL) | Final Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Copper(II) nitrate trihydrate (Cu) | 58129 | 100223 | 0.1000 | 200.0 | 0.084 | 1000 | 10000.1 | **1000.0** | **2.2** | 10031-43-3 | 1 mg/m3 | orl-rat 794 mg/kg | 3114 |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | T | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

**Certified by:**

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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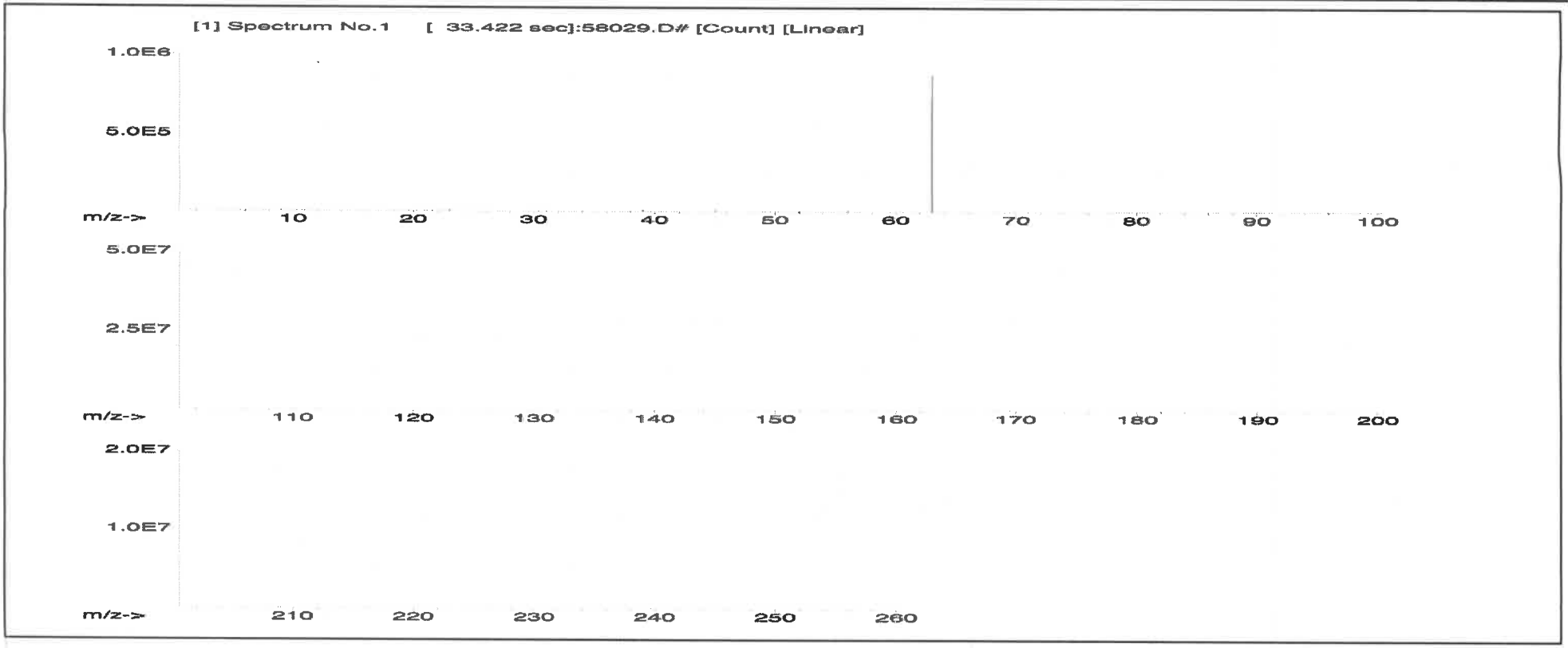
CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **58029** | | **Lot #** | **Solvent:** | |
| **Lot Number:** | **071723** | | 21110221 | Nitric Acid | |
| **Description:** | **Copper (Cu)** | | 2.0% | 40.0 (mL) | Nitric Acid |
| **Expiration Date:** | 071726 | | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | | |
| **Volume shown below was diluted to (mL):** | 2000.02 | 0.058 | Flask Uncertainty | | |

| | | |
|---|---|---|
| Formulated By: | Benson Chan | 071723 |
| Reviewed By: | Pedro L. Rentas | 071723 |

698 of 787

| Compound | Part Number | Lot Number | Dilution Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Nominal Conc. (µg/mL) | Initial Conc. (µg/mL) | Final Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Copper(II) nitrate trihydrate (Cu) | 58129 | 022723 | 0.1000 | 200.0 | 0.084 | 1000 | 10000.5 | **1000.0** | **2.2** | 10031-43-3 | 1 mg/m3 | orl-rat 794 mg/kg | 3114 |






Q1984-METALS

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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

Trace Metals Verification by ICP-MS (µg/mL)

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | T | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

**Certified by:**



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* All Standards should be stored with caps tight and under appropriate laboratory conditions.
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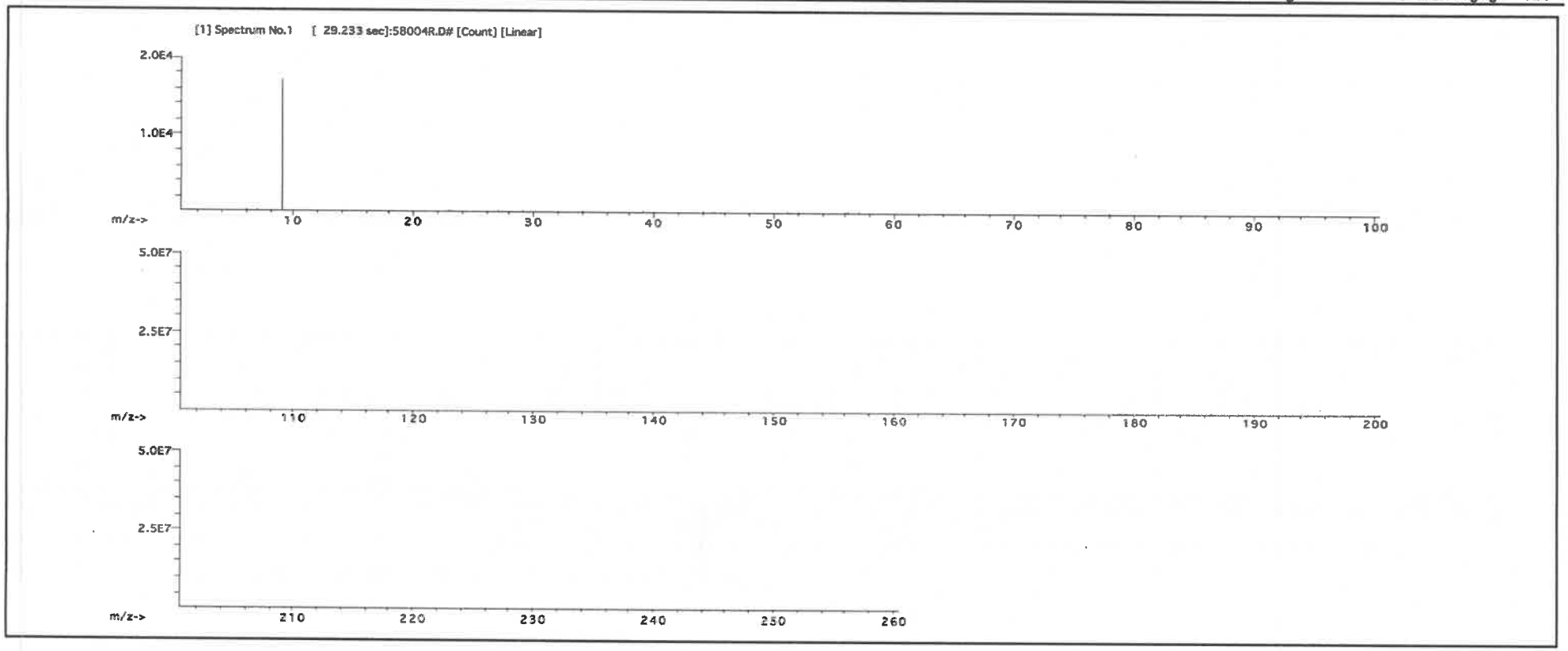
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CERTIFIED WEIGHT REPORT:

| | | Lot # | Solvent: | |
|---|---|---|---|---|
| **Part Number:** | **57004** | | | |
| **Lot Number:** | **102523** | 24002546 | Nitric Acid | |
| **Description:** | **Beryllium (Be)** | | | |
| | | 2.0% | 40.0 (mL) | Nitric Acid |
| **Expiration Date:** | 102526 | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | |
| **Volume shown below was diluted to (mL):** | 2000.02 | 0.058 | Flask Uncertainty | |

| | | |
|---|---|---|
| Formulated By: | Benson Chan | 102523 |
| Reviewed By: | Pedro L. Rentas | 102523 |

| Compound | Part Number | Lot Number | Dilution Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Nominal Conc. (µg/mL) | Initial Conc. (µg/mL) | Final Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Beryllium nitrate (Be) | 58104 | 091423 | 0.1000 | 200.0 | 0.084 | 1000 | 10001.5 | **1000.0** | **2.2** | 13597-99-4 | 0.2ug/m3 | intrvns-rat 3.16mg/kg | NA |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | T | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

**Certified by:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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CERTIFIED WEIGHT REPORT:

**Part Number:** 57050
**Lot Number:** 071123
**Description:** Tin (Sn)

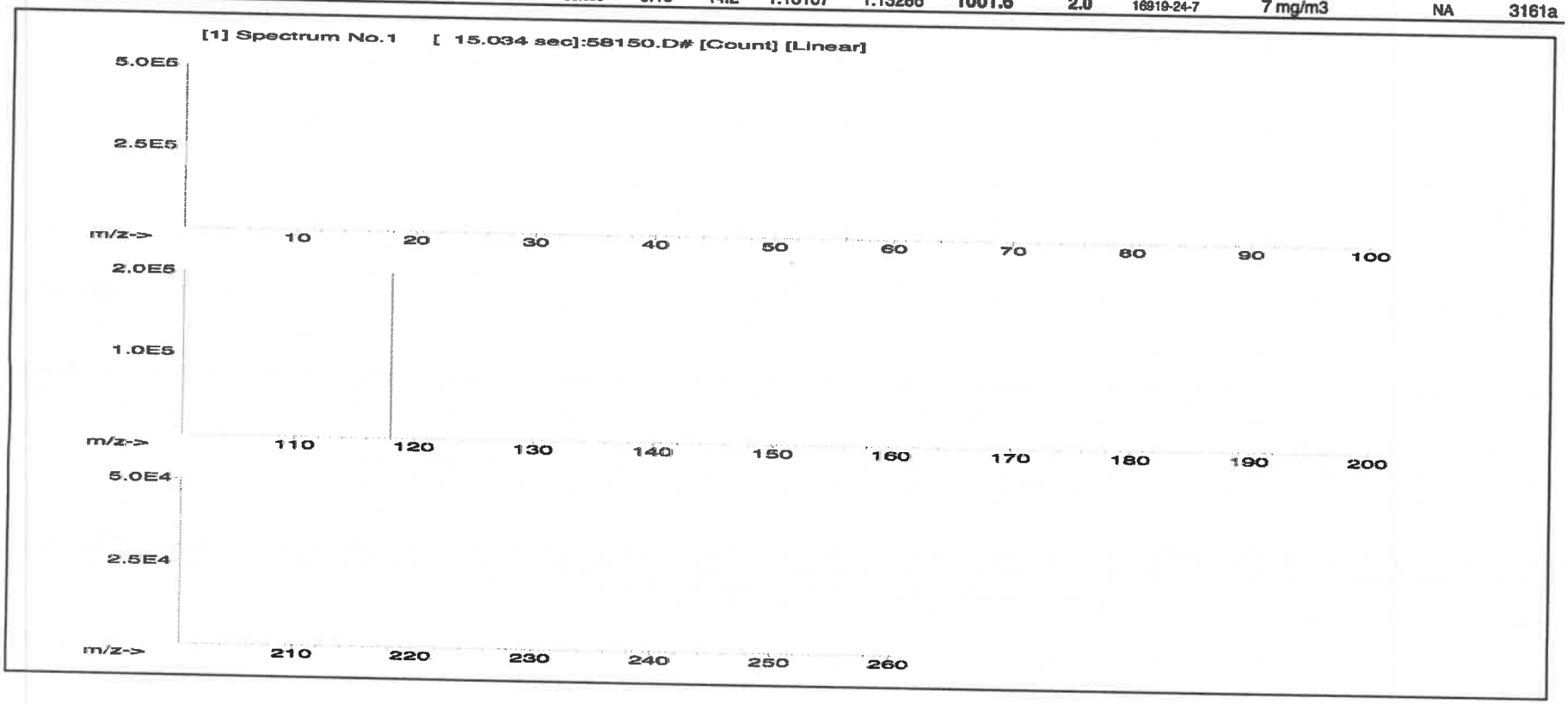
**Expiration Date:** 071126
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 1000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 499.93

| Solvents: | Lot # | |
|---|---|---|
| | 21110221 | Nitric Acid |
| | 22D0562008 | Hydrochloric acid |
| 2% | 10.0 | Nitric Acid |
| 6% | 30.0 | Hydrochloric acid |
| | (mL) | |

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

| | | |
|---|---|---|
| Formulated By: | Benson Chan | 071123 |
| Reviewed By: | Pedro L. Rentas | 071123 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Ammonium hexafluorostannate(IV) (Sn) | IN010 | SND042023A1 | 1000 | 99.999 | 0.10 | 44.2 | 1.13107 | 1.13286 | **1001.6** | **2.0** | 16919-24-7 | 7 mg/m3 | NA | 3161a |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <500 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | T | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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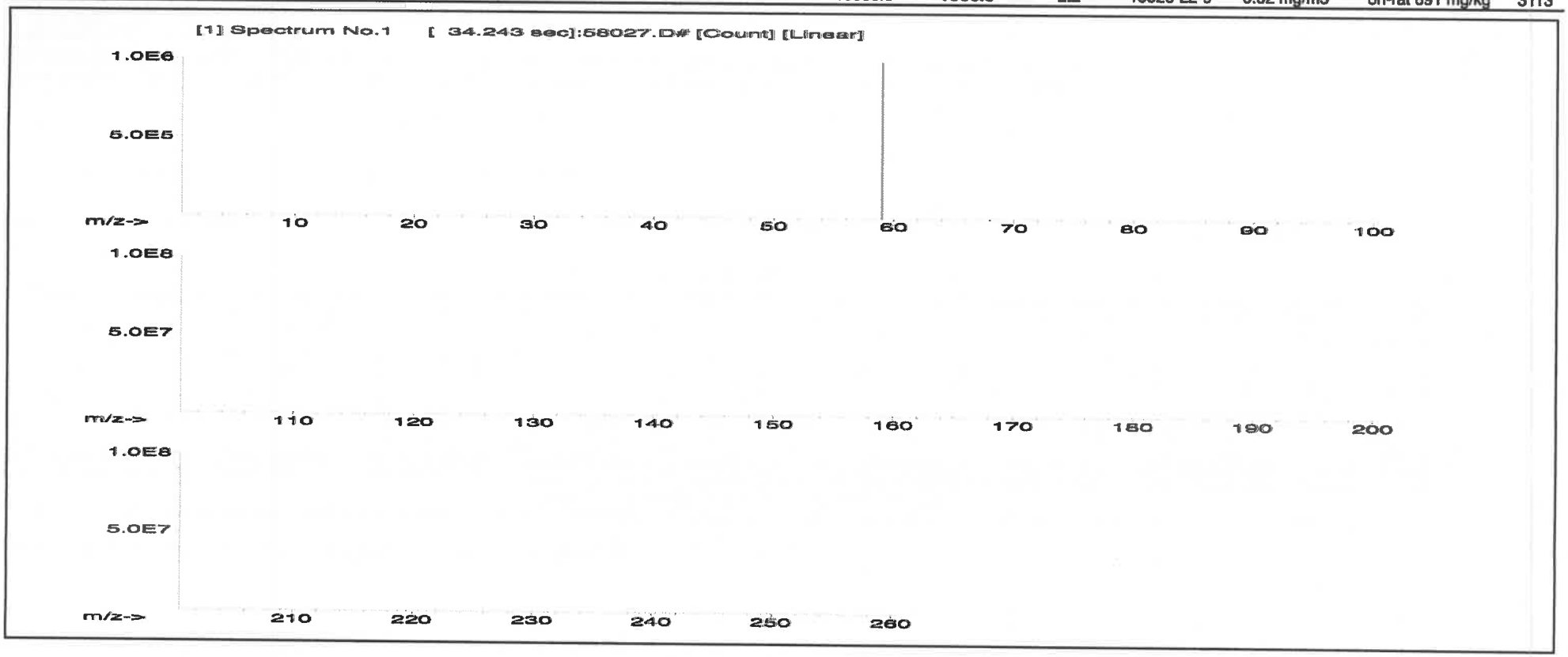
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CERTIFIED WEIGHT REPORT:

| | | Lot # | Solvent: | | |
|---|---|---|---|---|---|
| **Part Number:** | **57027** | 24002546 | Nitric Acid | | |
| **Lot Number:** | **091923** | | | | |
| **Description:** | **Cobalt (Co)** | 2.0% | 40.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 091926 | | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | | |
| **Volume shown below was diluted to (mL):** | 2000.02 | 0.058 | Flask Uncertainty | | |

| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 091923 |
| Reviewed By: | Pedro L. Rentas | 091923 |

| Compound | Part Number | Lot Number | Dilution Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Nominal Conc. (µg/mL) | Initial Conc. (µg/mL) | Final Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Cobalt(II) nitrate hexahydrate (Co) | 58127 | 050923 | 0.1000 | 200.0 | 0.084 | 1000 | 10000.0 | **1000.0** | **2.2** | 10026-22-9 | 0.02 mg/m3 | orl-rat 691 mg/kg | 3113 |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | T | Gé | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T)= Target analyte

**Physical Characterization:**

**Certified by:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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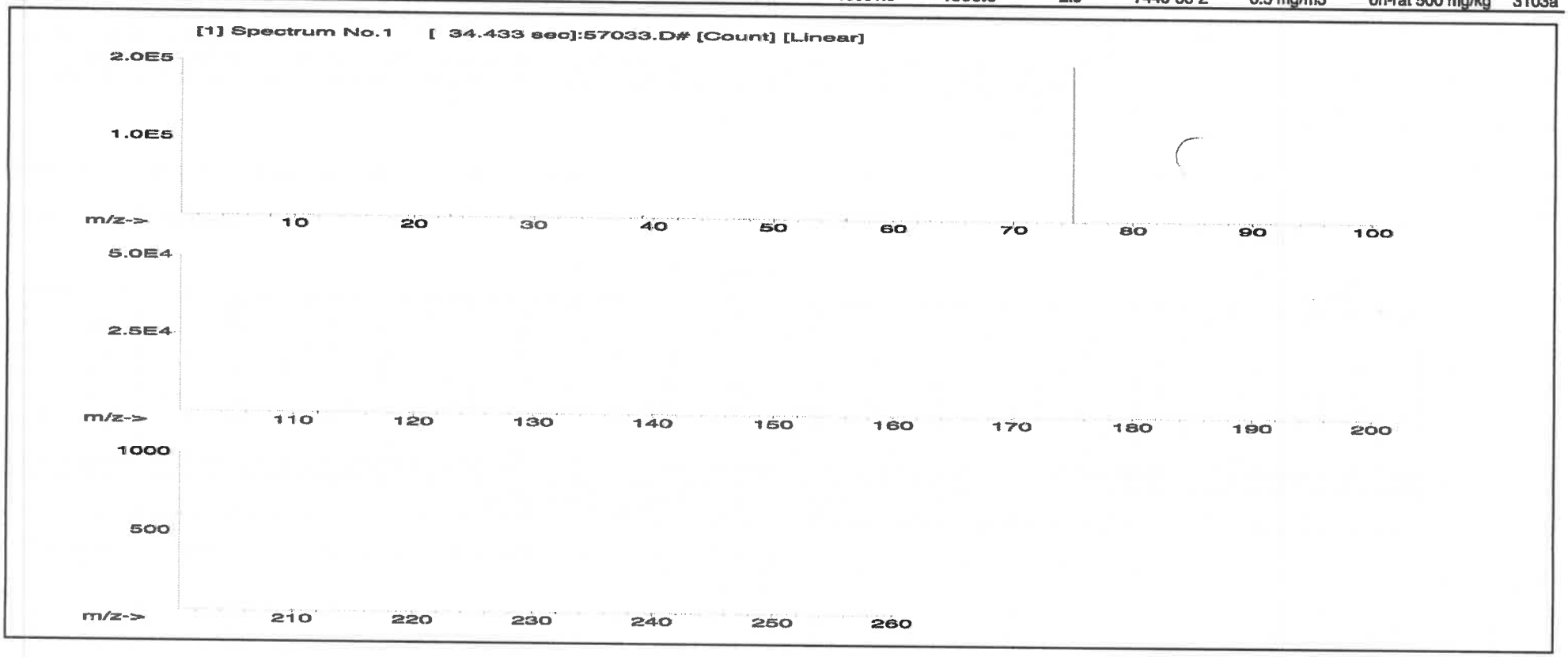


CERTIFIED **WEIGHT** REPORT:

| | | Lot # | Solvent: | | |
|---|---|---|---|---|---|
| **Part Number:** | **57033** | | | | |
| **Lot Number:** | **111323** | 24002546 | Nitric Acid | | |
| **Description:** | **Arsenic (As)** | | | | |
| | | 2.0% | 80.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 111326 | | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | | |
| **Volume shown below was diluted to (mL):** | 4000.0 | 0.06 | Flask Uncertainty | | |

| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 111323 |
| Reviewed By: | Pedro L. Rentas | 111323 |

| Compound | Part Number | Lot Number | Dilution Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Nominal Conc. (µg/mL) | Initial Conc. (µg/mL) | Final Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Arsenic (As) | 58133 | 020522 | 0.1000 | 400.0 | 0.084 | 1000 | 10001.0 | **1000.0** | 2.0 | 7440-38-2 | 0.5 mg/m3 | orl-rat 500 mg/kg | 3103a |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

**Trace Metals Verification by ICP-MS (µg/mL)**

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | T | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge* | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

**Certified by:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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CERTIFIED WEIGHT REPORT:

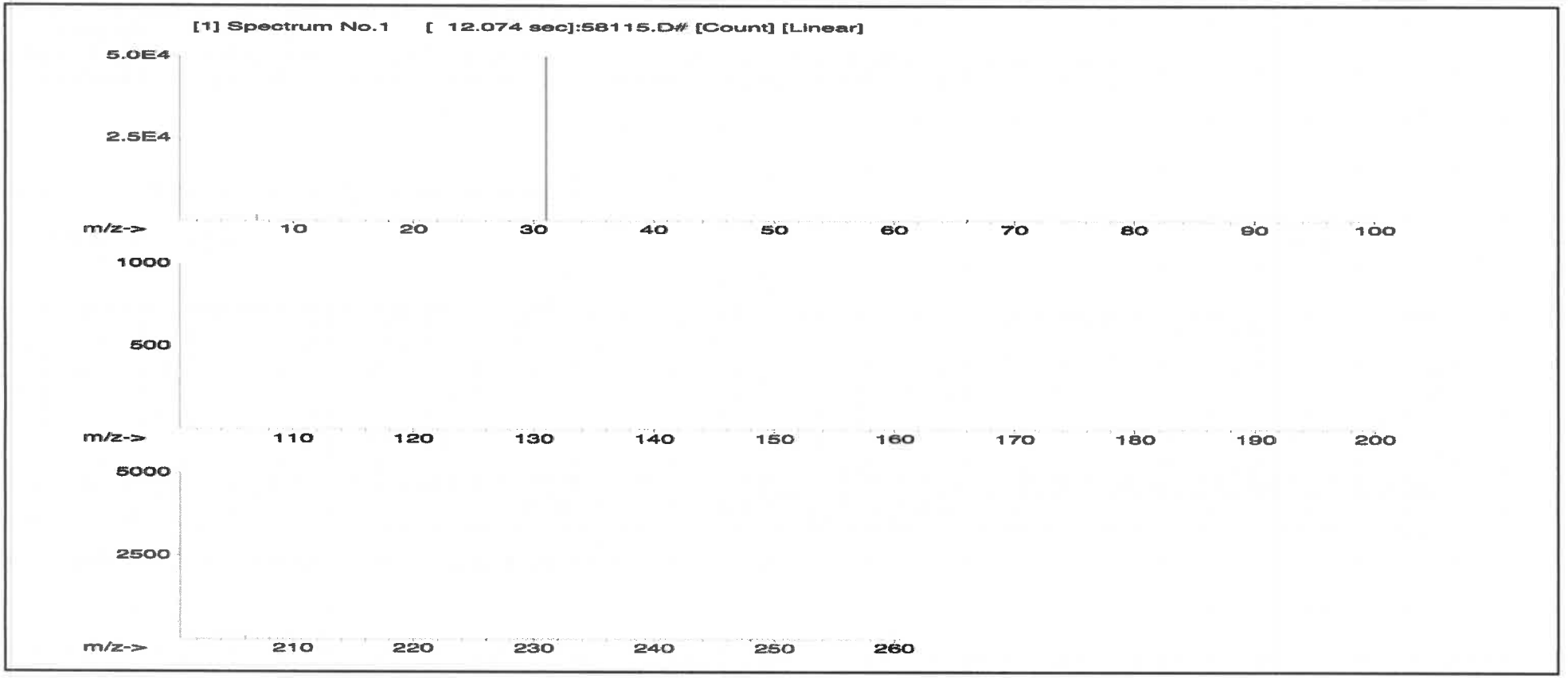
**Part Number:** 57115
**Lot Number:** 041723
**Description:** Phosphorous (P)

**Expiration Date:** 041726
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 2000.02 0.058 Flask Uncertainty

| | | Lot # | |
|---|---|---|---|
| **Solvent:** | 21110221 | | Nitric Acid |
| | 2% | 40.0 (mL) | Nitric Acid |
| | | 5E-05 | Balance Uncertainty |

| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 041723 |
| Reviewed By: | Pedro L. Rentas | 041723 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Ammonium dihydrogen phosphate (P) | IN008 | PV082019A1 | 10000 | 99.999 | 0.10 | 27.5 | 72.7287 | 72.7289 | **10000.0** | **20.0** | 7722-76-1 | 5 mg/m3 | orl-rat >2000mg/kg | 3186 |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | T | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T)= Target analyte

**Physical Characterization:**

**Certified by:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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R: 02/09/24 M5817

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CERTIFIED WEIGHT REPORT:

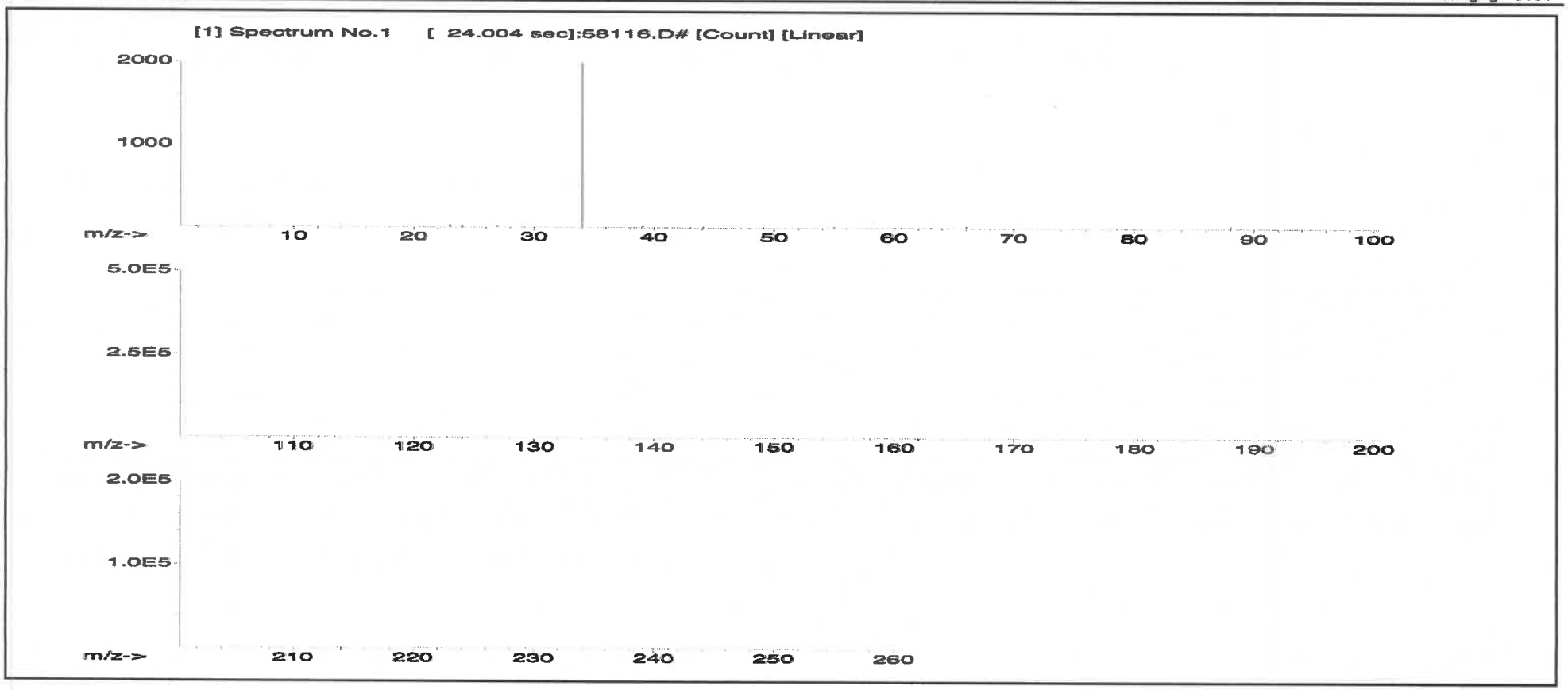
**Part Number:** 57116
**Lot Number:** 071123
**Description:** Sulfur (S)

**Lot #**
**Solvent:** 071123 ASTM Type 1 Water

**Expiration Date:** 071126
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB 5E-05 Balance Uncertainty
**Weight shown below was diluted to (mL):** 1999.48 0.058 Flask Uncertainty

| Formulated By: | Lawrence Barry | 071123 |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 071123 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Ammonium sulfate (S) | IN117 | SLBR7225V | 10000 | 99.9 | 0.10 | 24.3 | 82.4675 | 82.4682 | **10000.1** | **20.0** | 7783-20-2 | NA | orl-rat 4250mg/kg | 3181 |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

**Trace Metals Verification by ICP-MS (µg/mL)**

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | T | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T)= Target analyte

**Physical Characterization:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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Sodium Chloride, Crystal
BAKER ANALYZED® A.C.S. Reagent

MF884
MB

avantor™ | J.T.Baker®

Material No.: 3624-01
Batch No.: 0000281938
Manufactured Date: 2021-06-07
Retest Date: 2026-06-07
Revision No.: 1

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay (NaCl) (by Ag titrn) | ≥ 99.0 % | 100.0 % |
| pH of 5% Solution at 25°C | 5.0 - 9.0 | 6.3 |
| Insoluble Matter | ≤ 0.005 % | 0.003 % |
| Iodide (I) | ≤ 0.002 % | < 0.002 % |
| Bromide (Br) | ≤ 0.01 % | < 0.01 % |
| Chlorate and Nitrate (as $NO_3$) | ≤ 0.003 % | < 0.001 % |
| ACS - Phosphate ($PO_4$) | ≤ 5 ppm | < 5 ppm |
| Sulfate ($SO_4$) | ≤ 0.004 % | < 0.004 % |
| Barium (Ba) | Passes Test | Passes Test |
| ACS - Heavy Metals (as Pb) | ≤ 5 ppm | < 5 ppm |
| Iron (Fe) | ≤ 2 ppm | < 1 ppm |
| Calcium (Ca) | ≤ 0.002 % | < 0.001 % |
| Magnesium (Mg) | ≤ 0.001 % | < 0.001 % |
| Potassium (K) | ≤ 0.005 % | 0.001 % |

For Laboratory,Research,or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs
Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Mansford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

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# Certificate of Analysis

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300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

## 1.0 ACCREDITATION / REGISTRATION

**INORGANIC VENTURES** is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

## 2.0 PRODUCT DESCRIPTION

| | |
|---|---|
| Product Code: | Single Analyte Custom Grade Solution |
| Catalog Number: | CGTI1 |
| Lot Number: | T2-TI719972 |
| Matrix: | 2% (v/v) HNO3<br>tr. HF |
| Value / Analyte(s): | 1 000 µg/mL ea:<br>Titanium |
| Starting Material: | Ti Metal |
| Starting Material Lot#: | 2094 |
| Starting Material Purity: | 99.9975% |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Value:** 1002 ± 5 µg/mL

**Density:** 1.012 g/mL (measured at 20 ± 4 °C)

**Assay Information:**

**Assay Method #1** **1002 ± 4 µg/mL**
ICP Assay NIST SRM 3162a Lot Number: 130925

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

### Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

$w_i$ = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

### Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

$X_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

## 4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

### 4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

### 4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

### 4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

## 5.0 TRACE METALLIC IMPURITIES (TMI ) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M | Ag | < | 0.000536 | M | Eu | < | 0.000268 | O | Na | < | 0.032670 | M | Se | | 0.001204 | O | Zn | < | 0.003267 |
| O | Al | | 0.000872 | O | Fe | | 0.003225 | O | Nb | < | 0.043560 | O | Si | | 0.004735 | O | Zr | < | 0.043560 |
| M | As | < | 0.008586 | M | Ga | < | 0.000268 | M | Nd | < | 0.000268 | M | Sm | < | 0.000268 | | | | |
| M | Au | < | 0.004577 | M | Gd | < | 0.000268 | O | Ni | < | 0.010890 | M | Sn | | 0.000096 | | | | |
| O | B | < | 0.008929 | M | Ge | < | 0.002146 | M | Os | < | 0.000269 | O | Sr | | 0.000096 | | | | |
| M | Ba | < | 0.002683 | M | Hf | | 0.002161 | O | P | < | 0.054450 | M | Ta | | 0.010560 | | | | |
| M | Be | < | 0.005366 | M | Hg | < | 0.003231 | M | Pb | < | 0.001073 | M | Tb | < | 0.000268 | | | | |
| M | Bi | < | 0.001609 | M | Ho | < | 0.000268 | M | Pd | < | 0.000268 | M | Te | < | 0.001341 | | | | |
| O | Ca | | 0.000676 | M | In | < | 0.002683 | M | Pr | < | 0.000268 | M | Th | < | 0.053663 | | | | |
| M | Cd | < | 0.000268 | M | Ir | < | 0.000269 | M | Pt | < | 0.000536 | s | Ti | < | | | | | |
| M | Ce | < | 0.000268 | M | K | | 0.001172 | M | Rb | < | 0.000268 | M | Tl | < | 0.000268 | | | | |
| M | Co | < | 0.004293 | M | La | < | 0.000268 | M | Re | < | 0.000268 | M | Tm | < | 0.000268 | | | | |
| M | Cr | | 0.000752 | O | Li | < | 0.027225 | M | Rh | < | 0.000268 | M | U | < | 0.000268 | | | | |
| M | Cs | < | 0.000268 | M | Lu | < | 0.000268 | M | Ru | < | 0.000269 | M | V | < | 0.019855 | | | | |
| O | Cu | < | 0.010890 | O | Mg | < | 0.005445 | i | S | < | | M | W | | 0.000473 | | | | |
| M | Dy | < | 0.000268 | O | Mn | < | 0.003267 | M | Sb | < | 0.006976 | M | Y | < | 0.002146 | | | | |
| M | Er | < | 0.000268 | M | Mo | | 0.000774 | O | Sc | < | 0.004900 | M | Yb | < | 0.000536 | | | | |

M - Checked by ICP-MS  O - Checked by ICP-OES  i - Spectral Interference
n - Not Checked For  s - Solution Standard Element

## 6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

## 7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

### 7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

**Atomic Weight; Valence; Coordination Number; Chemical Form in Solution -** 47.87 +4 6 Ti(F)6-2

**Chemical Compatibility -** Soluble in concentrated HCl, HF, H3PO4 H2SO4 and HNO3. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths or high levels of transition elements unless they are fluorinated). Stable with most inorganic anions with a tendency to hydrolyze forming the hydrated oxide in all dilute acids except HF.

**Stability -** 2-100 ppb levels stable (Alone or mixed with all other metals) as the Ti(F)6-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the Ti(F)6-2 chemically stable for years in 2-5% HNO3 / trace HF in an LDPE container.

**Ti Containing Samples (Preparation and Solution) -** Metal (Soluble in H2O / HF caution -powder reacts violently); Oxide - low temperature history anatase or rutile (Dissolved by heating in 1:1:1 H2O / HF / H2SO4); Oxide - high temperature history (~800EC) brookite (fuse in Pt0 with K2S2O7); Ores ( fuse in Pt0 with KF + K2S2O7 - no KF if silica not present); Organic Matrices (Dry ash at 450EC in Pt0 and dissolve by heating with 1:1:1 H2O / HF / H2SO4 or fuse ash with pyrosulfate if oxide is as plastic pigment and likely in brookite crystalline form).

**Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):**

| **Technique/Line** | **Estimated D.L.** | **Order** | **Interferences** (underlined indicates severe) |
|---|---|---|---|
| ICP-MS 48 amu | 14 ppt | N/A | 32S16O, 32S14N, 14N16O18O, 14N17N2, 36Ar12C, 48Ca, [96X=2 (where X = Zr, Mo, Ru)] |
| ICP-OES 323.452 nm | 0.0054 / 0.00092 µg/mL | 1 | Ce, Ar, Ni |
| ICP-OES 334.941 nm | 0.0038 / 0.000028 µg/mL | 1 | Nb, Ta, Cr, U |
| ICP-OES 336.121 nm | 0.0053 / 0.000034 µg/mL | 1 | W, Mo, Co |

**HF Note:** This standard should not be prepared or stored in glass.

## 8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

## 9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

## 10.0 QUALITY STANDARD DOCUMENTATION

### 10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

### 10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

**10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"**

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

## 11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

### 11.1 Certification Issue Date

June 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

### 11.2 Lot Expiration Date

- **June 17, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

### 11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Approved By:**

Thomas Kozikowski
Manager, Quality Control



**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director



**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

*Certified Reference Material CRM*

M5961 R: 6/11/24

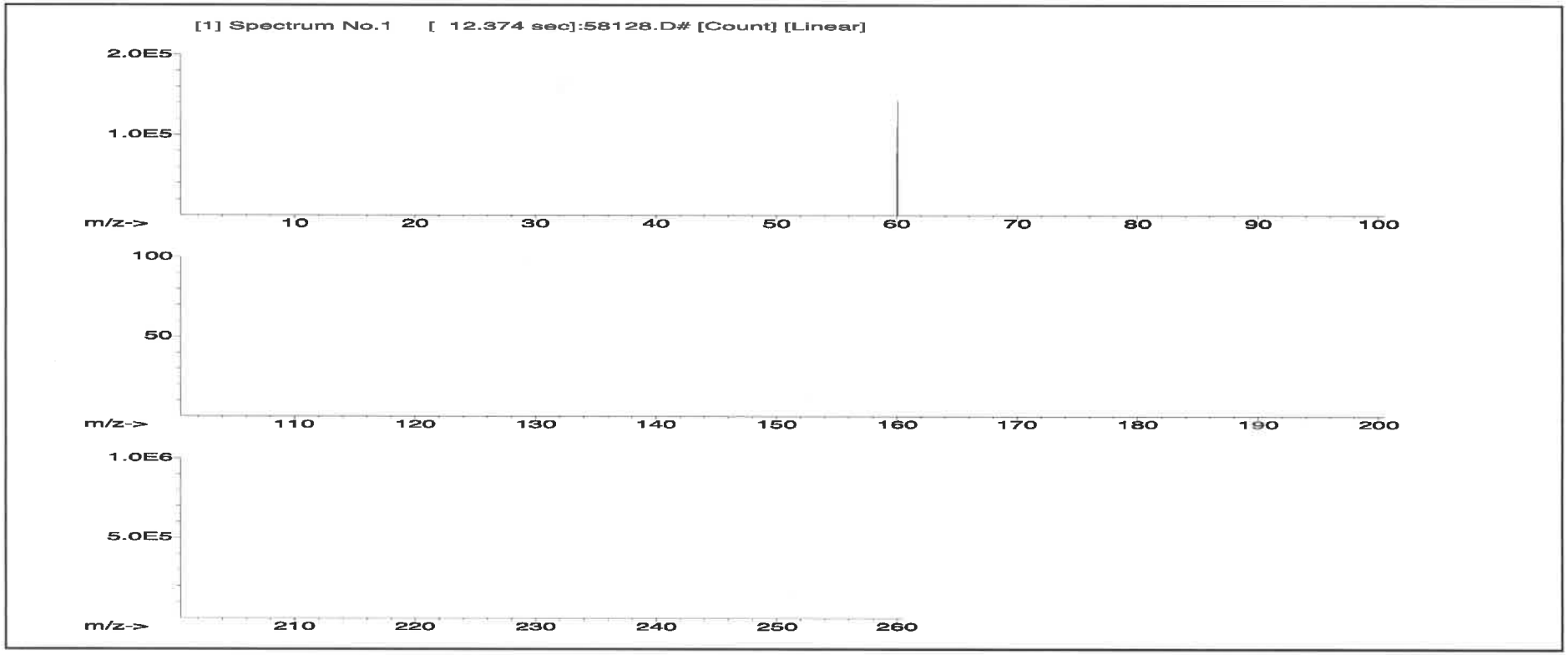
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **57028** | | **Lot #** | | |
| **Lot Number:** | **041124** | **Solvent:** | 24002546 | Nitric Acid | |
| **Description:** | **Nickel (Ni)** | | | | |
| | | 2% | 5.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 041127 | | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | | |
| **Weight shown below was diluted to (mL):** | 249.85 | 0.002 | Flask Uncertainty | | |

| | | |
|---|---|---|
| Formulated By: | Brian Geddes | 041124 |
| Reviewed By: | Pedro L. Rentas | 041124 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Nickel(II) nitrate hexahydrate (Ni) | IN033 | NIM052023A1 | 1000 | 99.999 | 0.10 | 20.2 | 1.2369 | 1.2369 | **1000.0** | **2.0** | 13478-00-7 | 1 mg/m3 | orl-rat 1620 mg/kg | 3136 |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | T | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

M5962 R! 06/14/24.

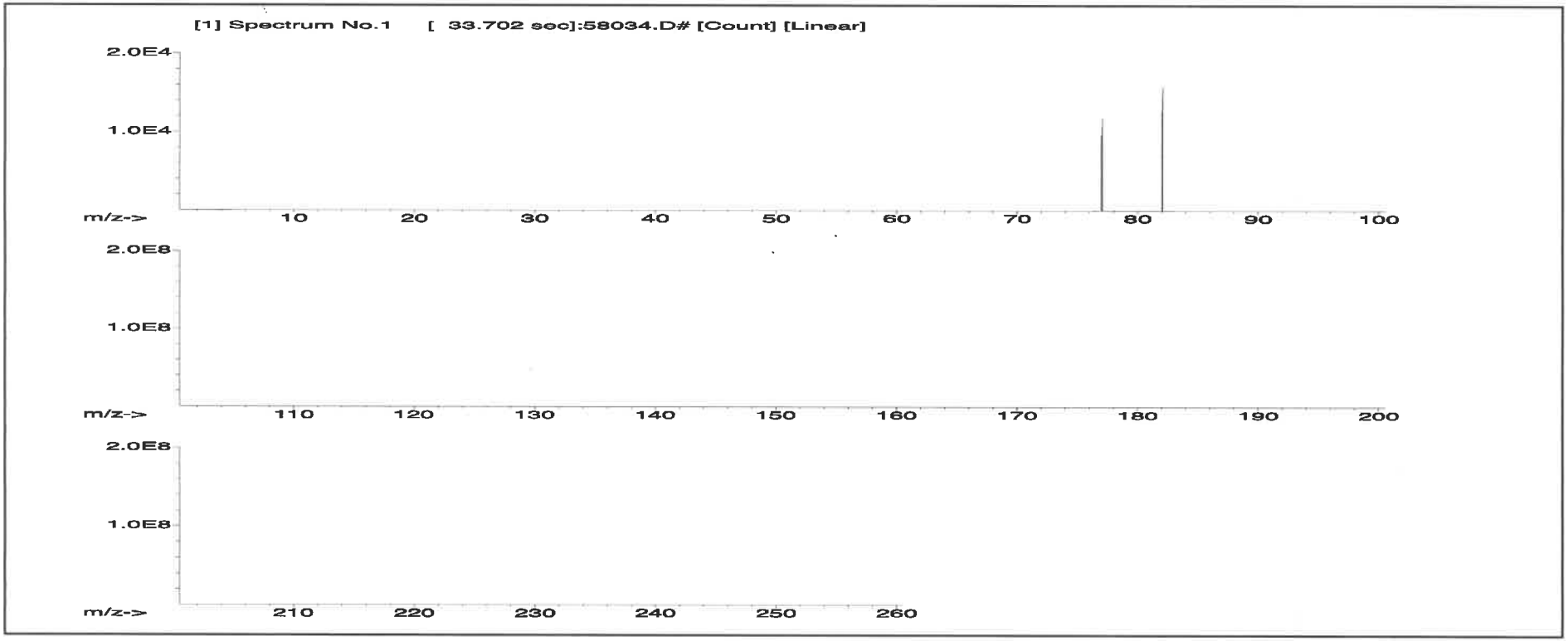
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

| | | Lot # | Solvent: | |
|---|---|---|---|---|
| **Part Number:** | **57034** | 24002546 | Nitric Acid | |
| **Lot Number:** | **060624** | | | |
| **Description:** | **Selenium (Se)** | | | |
| | | 2.0% | 40.0 (mL) | Nitric Acid |
| **Expiration Date:** | 060627 | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | |
| **Volume shown below was diluted to (mL):** | 2000.07 | 0.100 | Flask Uncertainty | |

| Formulated By: | Benson Chan | 060624 |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 060624 |

| Compound | Part Number | Lot Number | Dilution Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Nominal Conc. (µg/mL) | Initial Conc. (µg/mL) | Final Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Selenium (Se) | 58134 | 071223 | 0.1000 | 200.0 | 0.084 | 1000 | 10002.5 | **1000.0** | **2.2** | 7782-49-2 | 0.2 mg/m3 | orl-rat 6700 mg/kg | 3149 |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | T | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

**Certified by:**

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

INORGANIC VENTURES
Refine your results. Redefine your industry.

# Certificate of Analysis

M5976, M5977
R: 02/22/24

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

## 1.0 ACCREDITATION / REGISTRATION

**INORGANIC VENTURES** is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

## 2.0 PRODUCT DESCRIPTION

| | |
|---|---|
| Product Code: | Single Analyte Custom Grade Solution |
| Catalog Number: | CGMO1 |
| Lot Number: | T2-MO720876 |
| Matrix: | H2O<br>tr. NH4OH |
| Value / Analyte(s): | 1 000 µg/mL ea:<br>Molybdenum |
| Starting Material: | Ammonium Molybdate |
| Starting Material Lot#: | 2361 |
| Starting Material Purity: | 99.9893% |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Value:** 998 ± 7 µg/mL

**Density:** 1.000 g/mL (measured at 20 ± 4 °C)

**Assay Information:**

**Assay Method #1** **998 ± 4 µg/mL**
ICP Assay NIST SRM 3134 Lot Number: 130418

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

### Characterization of CRM/RM by Two or More Methods

**Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:**

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

$w_i$ = the weighting factors for each method calculated using the inverse square of the variance.

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

### Characterization of CRM/RM by One Method

**Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:**

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

$X_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

## 4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

### 4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

### 4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

### 4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

## 5.0 TRACE METALLIC IMPURITIES (TMI ) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M | Ag | < | 0.000590 | M | Eu | < | 0.000300 | M | Na | | 0.000879 | M | Se | < | 0.008000 | M | Zn | | 0.000598 |
| M | Al | | 0.000563 | M | Fe | < | 0.006500 | M | Nb | < | 0.029000 | i | Si | < | | M | Zr | < | 0.001800 |
| M | As | < | 0.002100 | M | Ga | < | 0.000300 | i | Nd | < | | M | Sm | < | 0.000300 | | | | |
| M | Au | < | 0.000300 | M | Gd | < | 0.000300 | M | Ni | < | 0.008000 | M | Sn | < | 0.008900 | | | | |
| M | B | < | 0.003300 | M | Ge | < | 0.000300 | M | Os | < | 0.000590 | M | Sr | | 0.000175 | | | | |
| M | Ba | | 0.001689 | M | Hf | < | 0.001800 | i | P | < | | M | Ta | < | 0.004200 | | | | |
| M | Be | < | 0.000890 | M | Hg | < | 0.003300 | M | Pb | < | 0.000300 | M | Tb | < | 0.000300 | | | | |
| M | Bi | < | 0.000890 | M | Ho | < | 0.000300 | M | Pd | < | 0.001800 | M | Te | < | 0.021000 | | | | |
| O | Ca | | 0.006334 | M | In | < | 0.032000 | M | Pr | < | 0.013000 | M | Th | < | 0.000300 | | | | |
| O | Cd | < | 0.026000 | M | Ir | < | 0.000300 | M | Pt | < | 0.000300 | O | Tl | < | 0.032000 | | | | |
| M | Ce | < | 0.008300 | M | K | | 0.130213 | M | Rb | | 0.004575 | M | Tl | | 0.001266 | | | | |
| M | Co | | 0.000598 | M | La | < | 0.000300 | M | Re | < | 0.000300 | M | Tm | < | 0.000300 | | | | |
| M | Cr | | 0.000527 | O | Li | | 0.000059 | M | Rh | < | 0.000300 | M | U | < | 0.005300 | | | | |
| M | Cs | | 0.000527 | M | Lu | < | 0.000300 | M | Ru | < | 0.079000 | M | V | < | 0.000890 | | | | |
| M | Cu | | 0.002252 | M | Mg | | 0.000563 | i | S | < | | M | W | | 0.087982 | | | | |
| M | Dy | < | 0.000300 | M | Mn | < | 0.005900 | M | Sb | | 0.001513 | M | Y | < | 0.000300 | | | | |
| M | Er | < | 0.000300 | s | Mo | < | | M | Sc | < | 0.001200 | M | Yb | < | 0.000300 | | | | |

M - Checked by ICP-MS  O - Checked by ICP-OES  i - Spectral Interference
n - Not Checked For  s - Solution Standard Element

## 6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

## 7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

### 7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

**Atomic Weight; Valence; Coordination Number; Chemical Form in Solution -** 95.94 +6 6,7,8,9 [MoO4]-2(chemical form as received)

**Chemical Compatibility -**Mo is received in a NH4OH matrix giving the operator the option of using HCl or HF to stabilize acidic solutions. The [MoO4]-2 is soluble in concentrated HCl [MoOCl5]-2, dilute HF / HNO3 [MoOF5]-2 and basic media [MoO4]-2. Stable at ppm levels with some metals provided it is fluorinated. Do not mix with Alkaline or Rare Earths when HF is present. Stable with most inorganic anions provided it is in the [MoO4]-2 chemical form.

**Stability -** 2-100 ppb levels stable (alone or mixed with all other metals that are at comparable levels) as the [MoOF5]-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the [MoO4]-2 chemically stable for years in 1% NH4OH in a LDPE container.

**Mo Containing Samples (Preparation and Solution) -**Metal (Soluble in HF / HNO3 or hot dilute HCl); Oxide (soluble in HF or NH4OH) ; Organic Matrices (Dry ash at 450EC in Pt0 and dissolve oxide with HF or HCl ).

**Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):**

| **Technique/Line** | **Estimated D.L.** | **Order** | **Interferences** (underlined indicates severe) |
|---|---|---|---|
| ICP-MS 95 amu | 3 ppt | n/a | 40Ar39K16O,79Br1 6O,190Os2+,190Pt 2+ |
| ICP-OES 202.030 nm | 0.008 / 0.0002 µg/mL | 1 | Os, Hf |
| ICP-OES 203.844 nm | 0.012 / 0.002 µg/mL | 1 | |
| ICP-OES 204.598 nm | 0.012 / 0.001 µg/mL | 1 | Ir, Ta |

## 8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

## 9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

## 10.0 QUALITY STANDARD DOCUMENTATION

### 10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

### 10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

### 10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

## 11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

**11.1 Certification Issue Date**

July 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

**11.2 Lot Expiration Date**

**- July 17, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

**11.3 Period of Validity**

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Prepared By:**

Uyen Truong
Supervisor, Product Documentation



**Certificate Approved By:**

Michael Booth
Director, Technical



**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director



**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

*Certified Reference Material CRM*

M5981 R:6/11/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT:

| | | Lot # | Solvent: |
|---|---|---|---|
| **Part Number:** | **57092** | 24002546 | Nitric Acid |
| **Lot Number:** | **060724** | | |
| **Description:** | **Uranium (U)** | | |
| | | 2.0% | 40.0 (mL) Nitric Acid |
| **Expiration Date:** | 060727 | | |
| **Recommended Storage:** | Ambient (20 °C) | | |
| **Nominal Concentration (µg/mL):** | **1000** | | |
| **NIST Test Number:** | 6UTB | 5E-05 Balance Uncertainty | |
| **Volume shown below was diluted to (mL):** | 2000.07 | 0.100 Flask Uncertainty | |

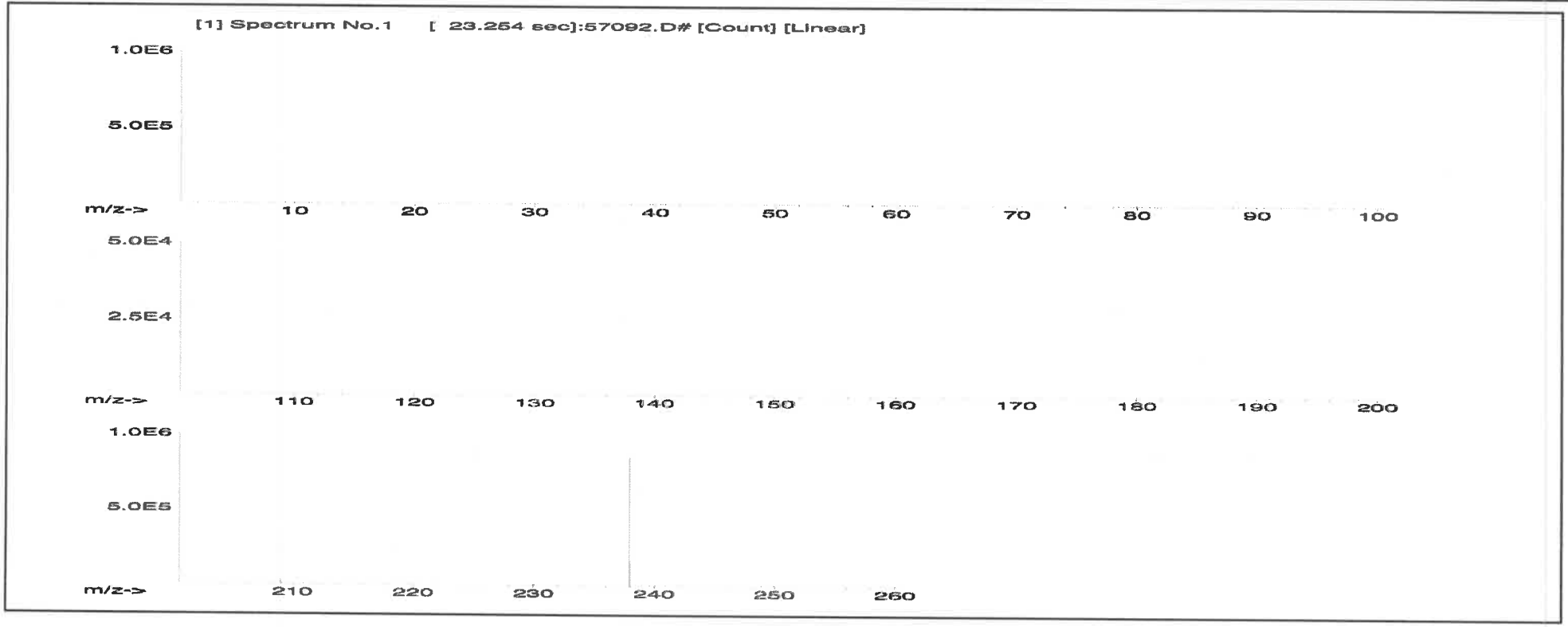
Giovanni Esposito

| Formulated By: | Giovanni Esposito | 060724 |
|---|---|---|

Pedro Rentas

| Reviewed By: | Pedro L. Rentas | 060724 |
|---|---|---|

| Compound | Part Number | Lot Number | Dilution Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Nominal Conc. (µg/mL) | Initial Conc. (µg/mL) | Final Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Uranyl nitrate hexahydrate (U) | 58192 | 041524 | 0.1000 | 200.0 | 0.084 | 1000 | 10001.5 | **1000.0** | **2.2** | 13520-83-7 | 0.05 mg/m3 | orl-rat 1040 mg/kg | 3164 |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | T |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

**Certified by:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M 6041-46
MS

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 23D2462010
Manufactured Date: 2023-03-22
Retest Date: 2028-03-20
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| ACS – Assay ($H_2SO_4$) | 95.0 – 98.0 % | 96.1 % |
| Appearance | Passes Test | Passes Test |
| ACS – Color (APHA) | ≤ 10 | 5 |
| ACS – Residue after Ignition | ≤ 3 ppm | < 1 ppm |
| ACS – Substances Reducing Permanganate (as SO2) | ≤ 2 ppm | < 2 ppm |
| Ammonium ($NH_4$) | ≤ 1 ppm | 1 ppm |
| Chloride (Cl) | ≤ 0.1 ppm | < 0.1 ppm |
| Nitrate ($NO_3$) | ≤ 0.2 ppm | < 0.1 ppm |
| Phosphate ($PO_4$) | ≤ 0.5 ppm | < 0.1 ppm |
| Trace Impurities – Aluminum (Al) | ≤ 30.0 ppb | < 5.0 ppb |
| Arsenic and Antimony (as As) | ≤ 4.0 ppb | < 2.0 ppb |
| Trace Impurities – Boron (B) | ≤ 10.0 ppb | 8.5 ppb |
| Trace Impurities – Cadmium (Cd) | ≤ 2.0 ppb | < 0.3 ppb |
| Trace Impurities – Chromium (Cr) | ≤ 6.0 ppb | < 0.4 ppb |
| Trace Impurities – Cobalt (Co) | ≤ 0.5 ppb | < 0.3 ppb |
| Trace Impurities – Copper (Cu) | ≤ 1.0 ppb | < 0.1 ppb |
| Trace Impurities – Gold (Au) | ≤ 10.0 ppb | 0.5 ppb |
| Heavy Metals (as Pb) | ≤ 500.0 ppb | < 100.0 ppb |
| Trace Impurities – Iron (Fe) | ≤ 50.0 ppb | 1.3 ppb |
| Trace Impurities – Lead (Pb) | ≤ 0.5 ppb | < 0.5 ppb |
| Trace Impurities – Magnesium (Mg) | ≤ 7.0 ppb | 0.8 ppb |
| Trace Impurities – Manganese (Mn) | ≤ 1.0 ppb | < 0.4 ppb |
| Trace Impurities – Mercury (Hg) | ≤ 0.5 ppb | < 0.1 ppb |
| Trace Impurities – Nickel (Ni) | ≤ 2.0 ppb | 0.3 ppb |
| Trace Impurities – Potassium (K) | ≤ 500.0 ppb | < 2.0 ppb |
| Trace Impurities – Selenium (Se) | ≤ 50.0 ppb | < 0.1 ppb |
| Trace Impurities – Silicon (Si) | ≤ 100.0 ppb | 31.5 ppb |
| Trace Impurities – Silver (Ag) | ≤ 1.0 ppb | < 0.3 ppb |

>>> Continued on page 2 >>>

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 23D2462010

| Test | Specification | Result |
|---|---|---|
| Trace Impurities - Sodium (Na) | ≤ 500.0 ppb | 5.4 ppb |
| Trace Impurities - Strontium (Sr) | ≤ 5.0 ppb | < 0.2 ppb |
| Trace Impurities - Tin (Sn) | ≤ 5.0 ppb | < 0.8 ppb |
| Trace Impurities - Zinc (Zn) | ≤ 5.0 ppb | 0.4 ppb |

For Laboratory,Research,or Manufacturing Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

INORGANIC VENTURES™
Refine your results. Redefine your industry.

# Certificate of Analysis

A 8/19/24, M60055

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

## 1.0 ACCREDITATION / REGISTRATION

**INORGANIC VENTURES** is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

## 2.0 PRODUCT DESCRIPTION

| | |
|---|---|
| Product Code: | Multi Analyte Custom Grade Solution |
| Catalog Number: | IV-STOCK-12 |
| Lot Number: | U2-MEB734294 |
| Matrix: | 5% (v/v) HNO3 |
| Value / Analyte(s): | 10 µg/mL ea: |

Barium, Beryllium,
Bismuth, Cerium,
Cobalt, Indium,
Lithium, Nickel,
Lead, Uranium

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ANALYTE | CERTIFIED VALUE | ANALYTE | CERTIFIED VALUE |
|---|---|---|---|
| Barium, Ba | 10.01 ± 0.04 µg/mL | Beryllium, Be | 10.01 ± 0.05 µg/mL |
| Bismuth, Bi | 10.01 ± 0.06 µg/mL | Cerium, Ce | 10.01 ± 0.04 µg/mL |
| Cobalt, Co | 10.01 ± 0.05 µg/mL | Indium, In | 10.01 ± 0.04 µg/mL |
| Lead, Pb | 10.00 ± 0.04 µg/mL | Lithium, Li | 10.01 ± 0.04 µg/mL |
| Nickel, Ni | 10.01 ± 0.04 µg/mL | Uranium, U | 10.01 ± 0.05 µg/mL |

**Density:** 1.025 g/mL (measured at 20 ± 4 °C)

**Assay Information:**

| ANALYTE | METHOD | NIST SRM# | SRM LOT# |
|---|---|---|---|
| Ba | ICP Assay | 3104a | 140909 |
| Ba | Calculated | | See Sec. 4.2 |
| Ba | Gravimetric | | See Sec. 4.2 |
| Be | ICP Assay | 3105a | 090514 |
| Be | Calculated | | See Sec. 4.2 |
| Bi | ICP Assay | 3106 | 180815 |
| Ce | ICP Assay | 3110 | 160830 |
| Ce | EDTA | 928 | 928 |
| Ce | Calculated | | See Sec. 4.2 |
| Co | ICP Assay | 3113 | 190630 |
| Co | EDTA | 928 | 928 |
| Co | Calculated | | See Sec. 4.2 |
| In | ICP Assay | 3124a | 110516 |
| In | EDTA | 928 | 928 |
| In | Calculated | | See Sec. 4.2 |
| Li | ICP Assay | 3129a | 100714 |
| Li | Calculated | | See Sec. 4.2 |
| Li | Gravimetric | | See Sec. 4.2 |
| Ni | ICP Assay | 3136 | 120619 |
| Ni | EDTA | 928 | 928 |
| Ni | Calculated | | See Sec. 4.2 |
| Pb | ICP Assay | 3128 | 101026 |
| Pb | EDTA | 928 | 928 |
| Pb | Calculated | | See Sec. 4.2 |
| U | ICP Assay | traceable to 3164 | R2-U689597 |
| U | Calculated | | See Sec. 4.2 |

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

### Characterization of CRM/RM by Two or More Methods

**Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:**

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

$w_i$ = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

### Characterization of CRM/RM by One Method

**Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:**

$X_{CRM/RM} = (X_a)(u_{char\ a})$

$X_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

**Certified Abundance:**

**IV's Certified Abundance**

| Isotope | Atom % |
|---|---|
| Uranium 238U | 99.8 ± 0.1 |
| Uranium 235U | 0.19 ± 0.05 |

## 4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

### 4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

### 4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

### 4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

## 5.0 TRACE METALLIC IMPURITIES (TMI ) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

## 6.0 INTENDED USE

**6.1** This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

**6.2** For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

## 7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

### 7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

## 8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

## 9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

## 10.0 QUALITY STANDARD DOCUMENTATION

### 10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

**10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"**

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

**10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"**

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

## 11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

**11.1 Certification Issue Date**

June 21, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

**11.2 Lot Expiration Date**

**- June 21, 2028**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

**11.3 Period of Validity**

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Approved By:**

Thomas Kozikowski
Manager, Quality Control



**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director



**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

M6079 R: 9/30/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

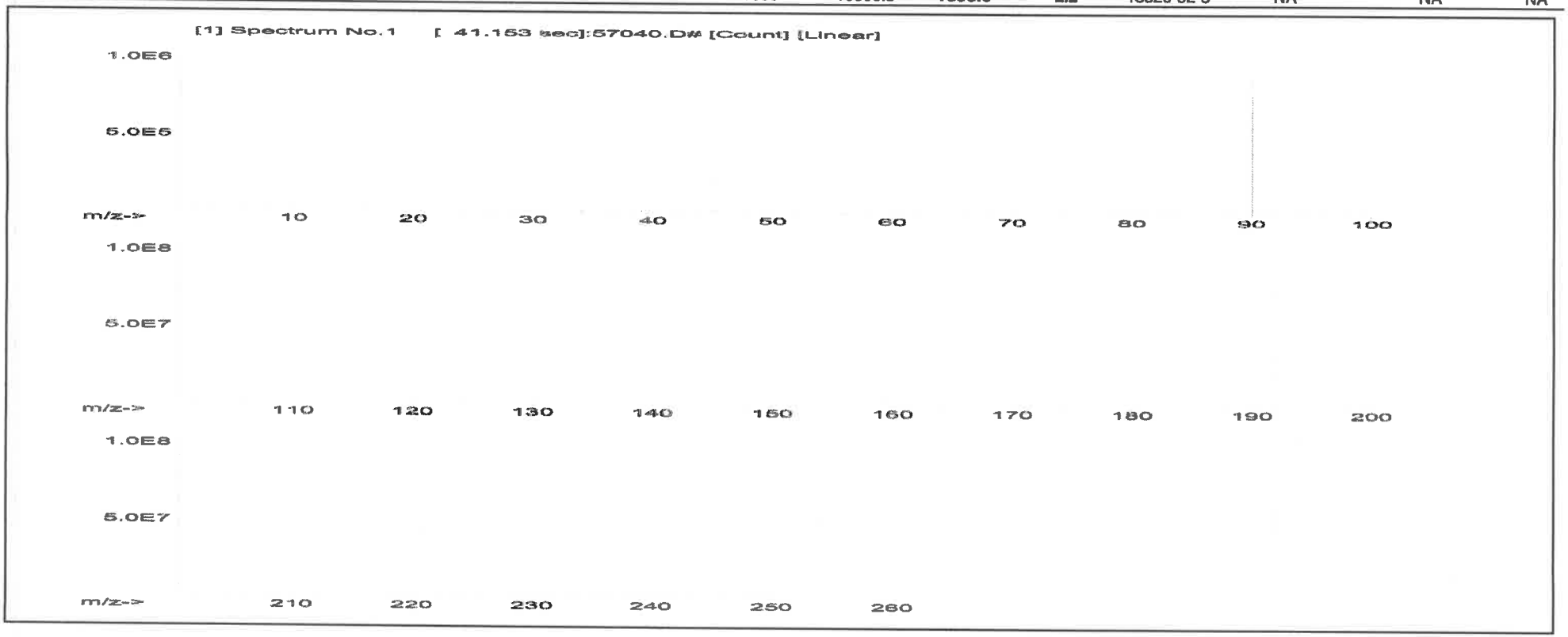


CERTIFIED WEIGHT REPORT:

| | | Lot # | Solvent: | | |
|---|---|---|---|---|---|
| **Part Number:** | **57040** | 21110221 | Nitric Acid | | |
| **Lot Number:** | **071423** | | | | |
| **Description:** | **Zirconium (Zr)** | 2.0% | 40.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 071426 | | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | | |
| **Volume shown below was diluted to (mL):** | 2000.02 | 0.058 | Flask Uncertainty | | |

| | | |
|---|---|---|
| Formulated By: | Benson Chan | 071423 |
| Reviewed By: | Pedro L. Rentas | 071423 |

| Compound | Part Number | Lot Number | Dilution Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Nominal Conc. (µg/mL) | Initial Conc. (µg/mL) | Final Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Zirconyl chloride octahydrate (Zr) | 58140 | 070621 | 0.1000 | 200.0 | 0.084 | 1000 | 10000.3 | **1000.0** | **2.2** | 13520-92-8 | NA | NA | NA |



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***Certified Reference Material CRM***

ANAB ISO 17034 Accredited
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https://Absolutestandards.com



**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

**Trace Metals Verification by ICP-MS (µg/mL)**

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | T |

(T) = Target analyte

**Physical Characterization:**

**Certified by:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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www.absolutestandards.com

*Certified Reference Material CRM*

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https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

R -> 1/13/25
M 6127

**Part Number:** 58112
**Lot Number:** 112124
**Description:** Magnesium (Mg)

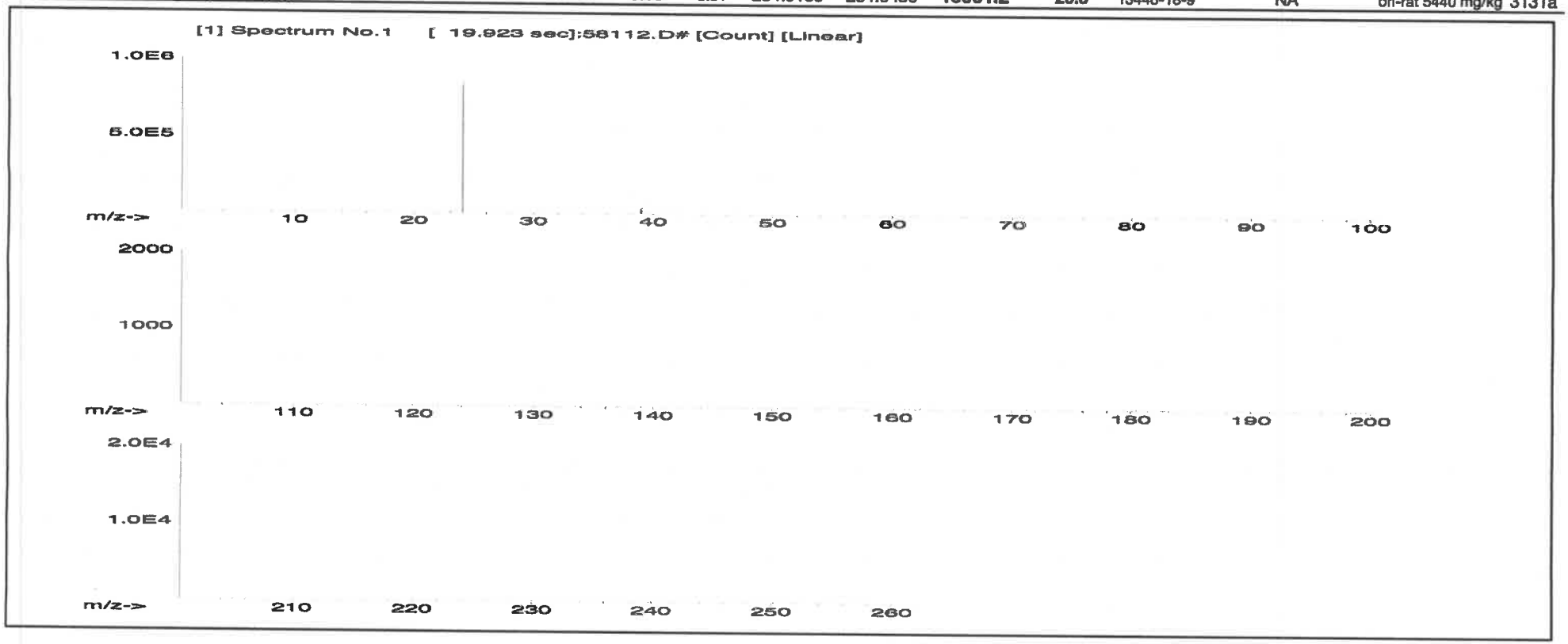
**Expiration Date:** 112127
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 2000.07

| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 24012496 | Nitric Acid | |
| 2% | 40.0 (mL) | Nitric Acid | |

5E-05 Balance Uncertainty
0.100 Flask Uncertainty

Giovanni Esposito
Formulated By: Giovanni Esposito 112124
Pedro Rentas
Reviewed By: Pedro L. Rentas 112124

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Magnesium nitrate hexahydrate (Mg) | IN030 | MGD052023A1 | 10000 | 99.999 | 0.10 | 8.51 | 234.9183 | 234.9459 | **10001.2** | **20.0** | 13446-18-9 | NA | orl-rat 5440 mg/kg | 3131a |



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## Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

**Trace Metals Verification by ICP-MS (µg/mL)**

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | T | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

## Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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## CERTIFIED WEIGHT REPORT:

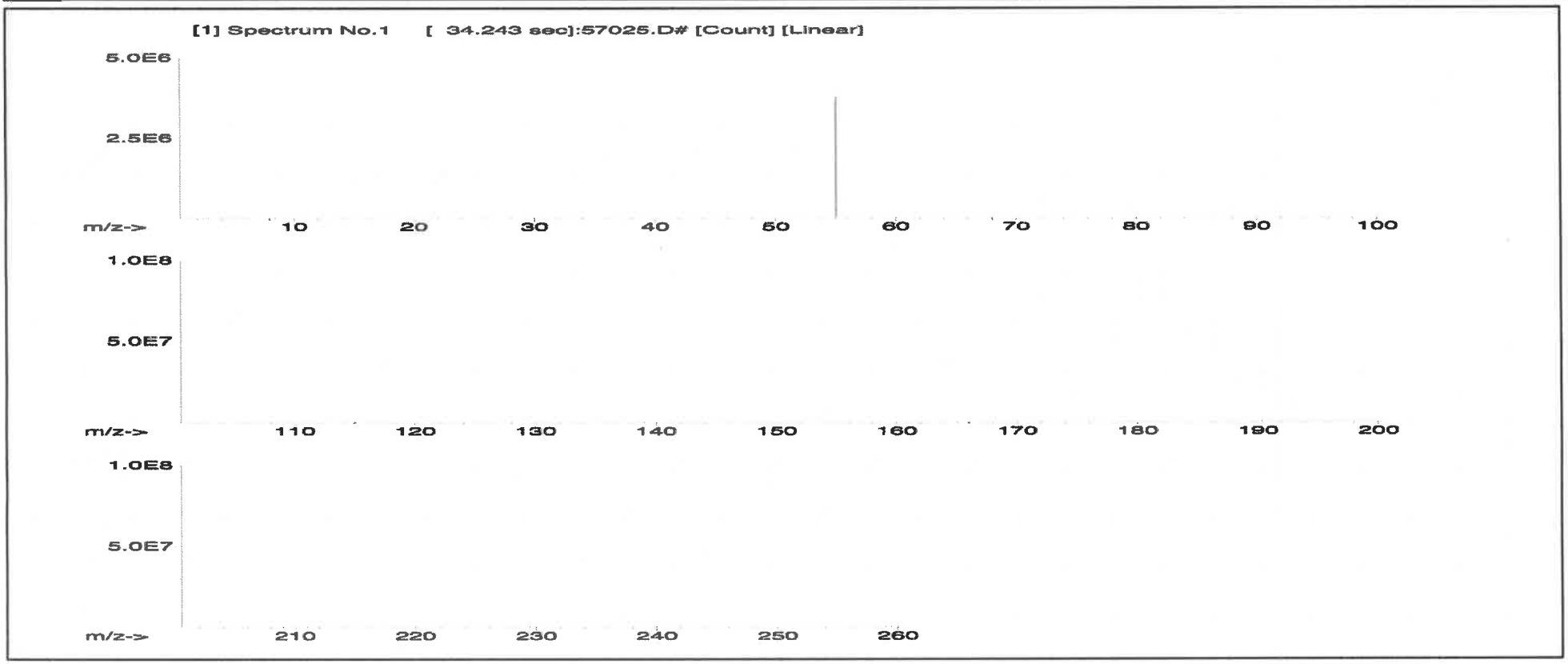
R->1/13/25
M6128

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **58025** | | **Solvent:** | **Lot #** 24002546 | Nitric Acid |
| **Lot Number:** | **101124** | | | | |
| **Description:** | **Manganese (Mn)** | | 2% | 80.0 (mL) | Nitric Acid |
| **Expiration Date:** | 101127 | | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | | |
| **Weight shown below was diluted to (mL):** | 4000.2 | 0.10 | Flask Uncertainty | | |

Giovanni Esposito

| | | |
|---|---|---|
| Formulated By: | Giovanni Esposito | 101124 |
| Reviewed By: | Pedro L. Rentas | 101124 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | **Actual Conc. (µg/mL)** | Expanded Uncertainty +/- (µg/mL) | **SDS Information (Solvent Safety Info. On Attached pg.)** CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Manganese(II) nitrate hydrate (Mn) | IN031 | MNM092020A1 | 1000 | 99.999 | 0.10 | 20.8 | 19.2322 | 19.2344 | **1000.1** | **2.0** | 15710-66-4 | 5 mg/m3 | orl-rat >300mg/kg | 3132 |



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## Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

**Trace Metals Verification by ICP-MS (µg/mL)**

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | T | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

## Physical Characterization:

**Certified by:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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# Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

M6137 R→10/3/24

## 1.0 ACCREDITATION / REGISTRATION

**INORGANIC VENTURES** is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

## 2.0 PRODUCT DESCRIPTION

| | |
|---|---|
| Product Code: | Single Analyte Custom Grade Solution |
| Catalog Number: | CGSI1 |
| Lot Number: | V2-SI744713 |
| Matrix: | tr. HNO3<br>tr. HF |
| Value / Analyte(s): | 1 000 µg/mL ea:<br>Silicon |
| Starting Material: | Silica |
| Starting Material Lot#: | 1771 |
| Starting Material Purity: | 99.9981% |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Value:** 999 ± 6 µg/mL

**Density:** 1.003 g/mL (measured at 20 ± 4 °C)

**Assay Information:**

**Assay Method #1** **999 ± 5 µg/mL**
ICP Assay NIST SRM Traceable to 3150 Lot Number: S2-SI702546

**Assay Method #2** **1000 ± 7 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

### Characterization of CRM/RM by Two or More Methods

**Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:**

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

$w_i$ = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

**CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$**

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

### Characterization of CRM/RM by One Method

**Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:**

$X_{CRM/RM} = (X_a)(u_{char\ a})$

$X_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

**CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$**

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

## 4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

### 4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

### 4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

### 4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

## 5.0 TRACE METALLIC IMPURITIES (TMI ) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M | Ag | < | 0.000310 | M | Eu | < | 0.000310 | O | Na | | 0.001656 | M | Se | < | 0.022000 | M | Zn | < | 0.002500 |
| M | Al | | 0.010787 | M | Fe | < | 0.027000 | M | Nb | < | 0.001300 | s | Si | < | | O | Zr | < | 0.001900 |
| M | As | < | 0.001900 | M | Ga | < | 0.001300 | M | Nd | < | 0.000310 | M | Sm | < | 0.000310 | | | | |
| M | Au | < | 0.000910 | M | Gd | < | 0.000310 | M | Ni | < | 0.005500 | M | Sn | | 0.000096 | | | | |
| M | B | | 0.016180 | M | Ge | < | 0.001900 | M | Os | < | 0.000610 | O | Sr | | 0.000092 | | | | |
| M | Ba | | 0.000096 | M | Hf | | 0.000423 | i | P | < | | M | Ta | | 0.002542 | | | | |
| O | Be | < | 0.000570 | M | Hg | < | 0.000610 | M | Pb | < | 0.000310 | M | Tb | < | 0.000310 | | | | |
| M | Bi | < | 0.000310 | M | Ho | < | 0.000610 | M | Pd | < | 0.000610 | M | Te | < | 0.000910 | | | | |
| O | Ca | | 0.011557 | M | In | < | 0.000310 | M | Pr | < | 0.000310 | M | Th | < | 0.001900 | | | | |
| M | Cd | < | 0.000310 | M | Ir | < | 0.000310 | M | Pt | < | 0.000310 | M | Ti | | 0.001078 | | | | |
| M | Ce | < | 0.000610 | O | K | | 0.000577 | M | Rb | < | 0.009100 | M | Tl | < | 0.000310 | | | | |
| M | Co | < | 0.001600 | M | La | < | 0.000310 | M | Re | < | 0.000310 | M | Tm | < | 0.000310 | | | | |
| M | Cr | < | 0.010000 | O | Li | < | 0.000460 | M | Rh | < | 0.000310 | M | U | < | 0.000310 | | | | |
| M | Cs | < | 0.000310 | M | Lu | < | 0.000310 | M | Ru | < | 0.000310 | O | V | < | 0.001300 | | | | |
| M | Cu | < | 0.002500 | O | Mg | | 0.001348 | O | S | < | 0.570000 | M | W | < | 0.001900 | | | | |
| M | Dy | < | 0.000310 | M | Mn | < | 0.002500 | M | Sb | < | 0.000310 | M | Y | < | 0.000310 | | | | |
| M | Er | < | 0.000310 | M | Mo | < | 0.000310 | O | Sc | < | 0.000590 | M | Yb | < | 0.000310 | | | | |

M - Checked by ICP-MS  O - Checked by ICP-OES  i - Spectral Interference
n - Not Checked For  s - Solution Standard Element

## 6.0 INTENDED USE

**6.1** This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

**6.2** For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

## 7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

### 7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

**Atomic Weight; Valence; Coordination Number; Chemical Form in Solution** - 28.09 +4 6 Si(OH)x(F)y2-

**Chemical Compatibility** -Soluble in HCl, HF, H3PO4 H2SO4 and HNO3 as the Si(OH)x(F)y2-. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away ( i.e. Do not mix with Alkaline or Rare Earths, or high levels of transition elements unless they are fluorinated. Stable with most inorganic anions with a tendency to hydrolyze forming silicic acid (silicic acid is soluble up to ∼100 ppm in water) in all dilute acids except HF.

**Stability** - 2-100 ppb levels - stability unknown - (alone or mixed with all other metals) as the Si(OH)x(F)y2-. 1-10,000 ppm single element solutions as the Si(OH)x(F)y2- chemically stable for years in 2-5 % HNO3 / trace HF in a LDPE container.

**Si Containing Samples (Preparation and Solution)** -Metal (Soluble in 1:1:1 H2O / HF / HNO3); Oxide - SiO2, amorphic (dissolve by heating in 1:1:1 H2O / HF / HNO3); Oxide - quartz (fuse in Pt0 with Na2CO3); Geological Samples(fuse in Pt0with Na2CO3 followed by HCl solution of the fuseate); Organic Matrices containing silicates and non volatile silicon compounds (dry ash at 4500C in Pt0 and dissolve by gently warming with 1:1:1 H2O / HF / H2SO4 or fuse / ash with Na2CO3 and dissolve fuseate with HCl / H2O ); Silicone Oils - dimethyl silicones depolymerize to form volatile monomer units when heated (Measure directly in alcoholic KOH / xylene mixture where sample is treated first with the KOH at 60-1000C to "unzip" the Si- O-Si polymeric structure or digest with conc. H2SO4 / H2O2 followed by cooling and dissolution of the dehydrated silica with HF.) Note that the direct analysis of silicone oils in an organic solvent will result in false high results due to high vapor pressure of volatile monomer units like hexamethylcyclotrisiloxane. The KOH forms the K2+Si(CH3)2O= salt which is not volatile at room temperature.

**Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):**

| **Technique/Line** | **Estimated D.L.** | **Order** | **Interferences** (underlined indicates severe) |
|---|---|---|---|
| ICP-MS 28 amu | 4000 - 8000 ppt | N/A | N2, 12C16O |
| ICP-OES 212.412 nm | 0.02/0.01 µg/mL | 1 | Hf, Os, Mo, Ta |
| ICP-OES 251.611 nm | 0.012/0.003 µg/mL | 1 | Ta, U, Zn, Th |
| ICP-OES 288.158 nm | 0.03/0.004 µg/mL | 1 | Ta, Ce, Cr, Cd, Th |

**HF Note:** This standard should not be prepared or stored in glass.

## 8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

## 9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

## 10.0 QUALITY STANDARD DOCUMENTATION

### 10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

### 10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

### 10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

## 11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

### 11.1 Certification Issue Date

July 10, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

### 11.2 Lot Expiration Date

- **July 10, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

### 11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Prepared By:**

Uyen Truong
Custom Processing Supervisor

**Certificate Approved By:**

Muzzammil Khan
Stock Laboratory Supervisor

**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director

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AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

R-> 1/13/25

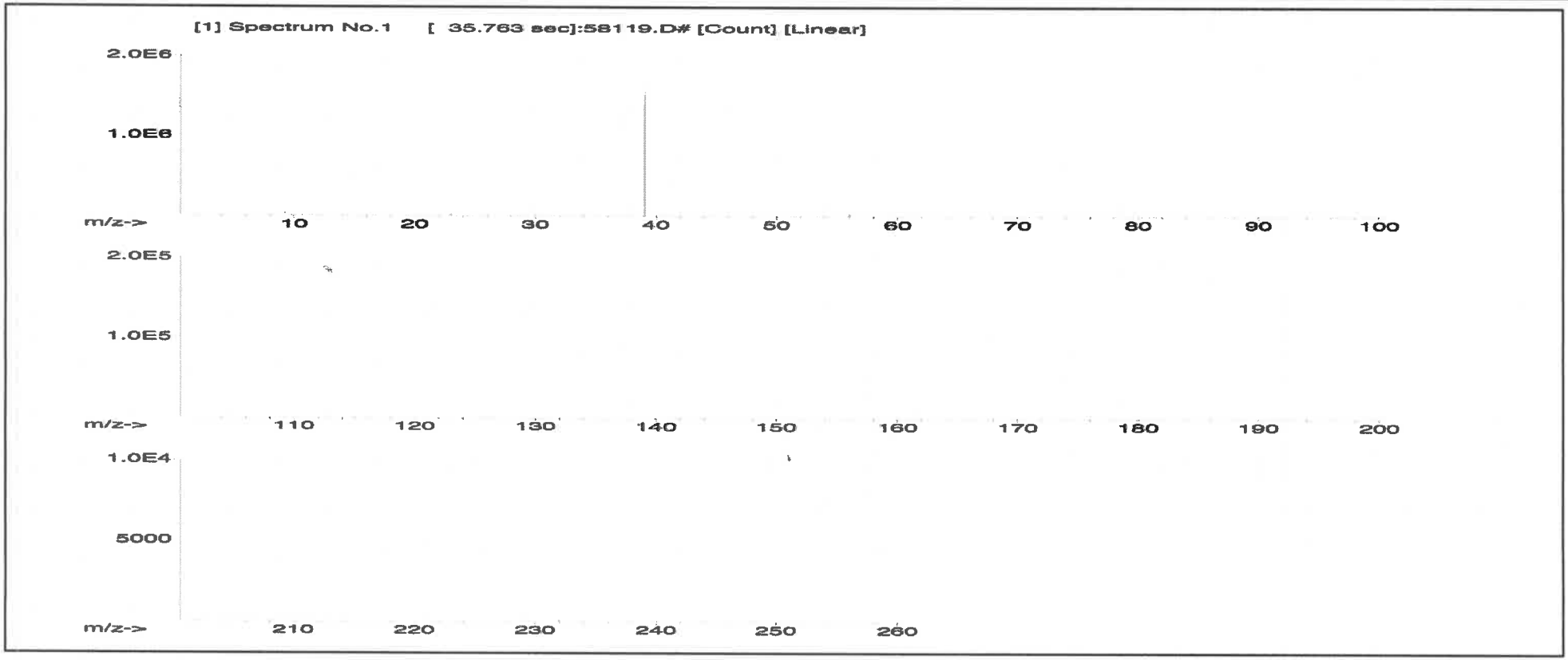
| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **57119** | | **Lot #** | | |
| **Lot Number:** | **103024** | **Solvent:** | 24002546 | Nitric Acid | |
| **Description:** | **Potassium (K)** | | | | |
| | | 2% | 80.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 103027 | | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | | |
| **Nominal Concentration (µg/mL):** | **10000** | | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | | |
| **Weight shown below was diluted to (mL):** | 4000.1 | 0.15 | Flask Uncertainty | | |

M6141
M6142
M6143

Giovanni Esposito

| | | |
|---|---|---|
| Formulated By: | Giovanni Esposito | 103024 |
| Reviewed By: | Pedro L. Rentas | 103024 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Potassium nitrate (K) | IN034 | KD062022A1 | 10000 | 99.999 | 0.10 | 37.7 | 106.1040 | ###### | **10001.1** | **20.0** | 7757-79-1 | 5 mg/m3 | orl-rat 3750 mg/kg | 3141a |



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## Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

**Trace Metals Verification by ICP-MS (µg/mL)**

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | T | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

## Physical Characterization:

**Certified by:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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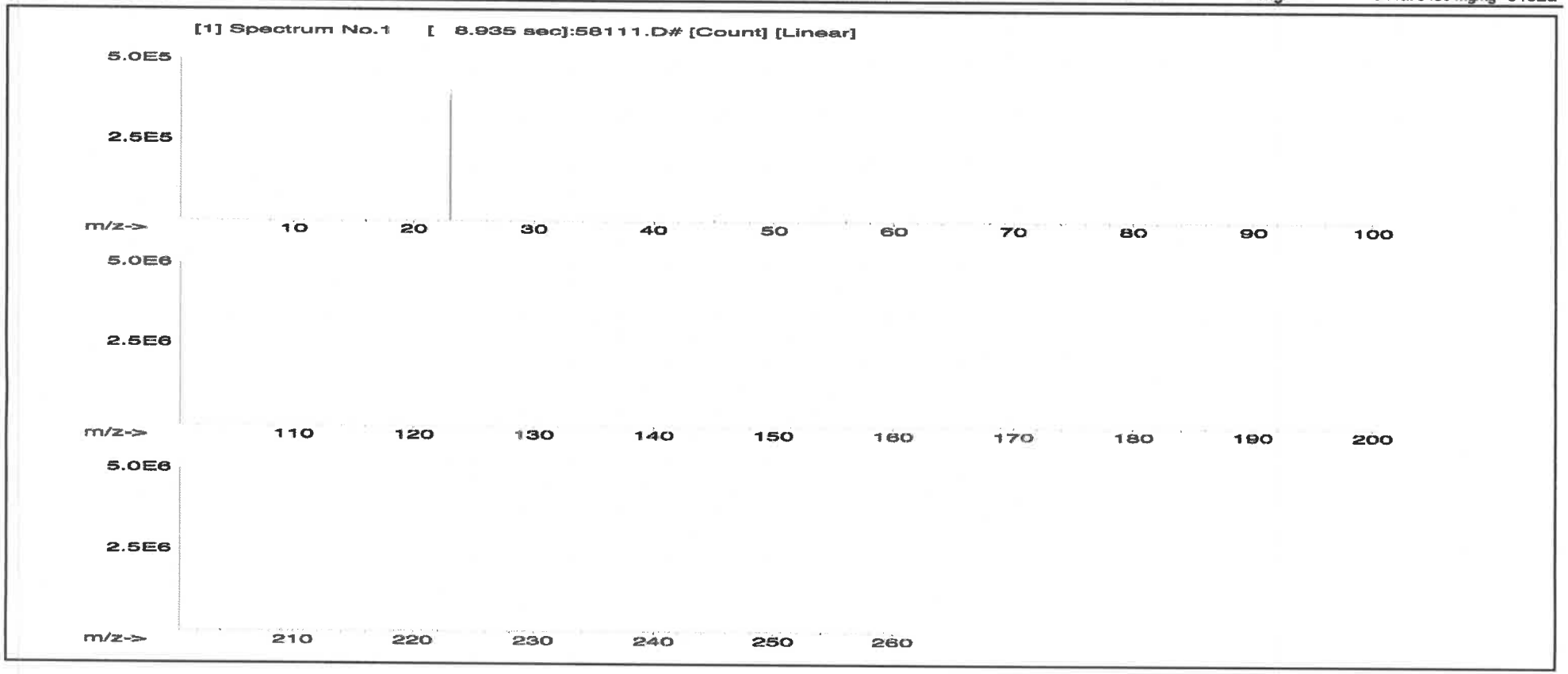
## CERTIFIED WEIGHT REPORT:

R->1/13/25

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **58111** | | **Lot #** | | |
| **Lot Number:** | **072424** | **Solvent:** | 24002546 | Nitric Acid | |
| **Description:** | **Sodium (Na)** | | | | |
| | | MG144 2% | 80.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 072427 | | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | | |
| **Nominal Concentration (µg/mL):** | **10000** | | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | | |
| **Weight shown below was diluted to (mL):** | 4000.2 | 0.10 | Flask Uncertainty | | |

| | |
|---|---|
| Formulated By: | Benson Chan 072424 |
| Reviewed By: | Pedro L. Rentas 072424 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Sodium nitrate (Na) | IN036 | NAV012015I1 | 10000 | 99.999 | 0.10 | 26.9 | 148.7096 | ###### | **10000.0** | **20.0** | 7631-99-4 | 5 mg/m3 | orl-rat 3430 mg/kg | 3152a |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Sc | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | T | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

**Certified by:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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## CERTIFIED WEIGHT REPORT:

**Part Number:** 58030
**Lot Number:** 121724
**Description:** Zinc (Zn)

R → 1/13/25

M6145

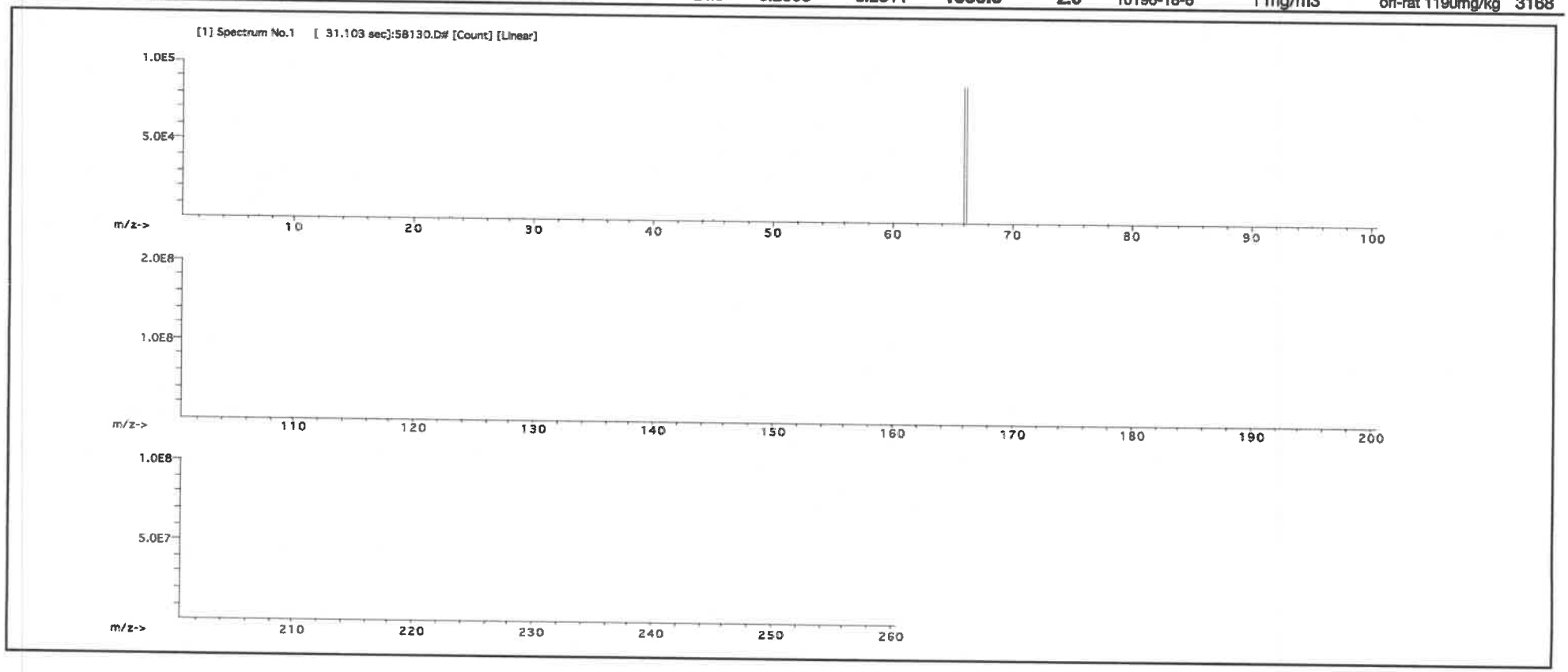
**Expiration Date:** 121727
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 1000
**NIST Test Number:** 6UTB

| | | | | Lot # | |
|---|---|---|---|---|---|
| **Solvent:** | 24012496 | Nitric Acid | | | |
| | 2% | 40.0 (mL) | Nitric Acid | | |
| | | 5E-05 | Balance Uncertainty | | |
| **Weight shown below was diluted to (mL):** | 2000.1 | 0.10 | Flask Uncertainty | | |

Aleah O'Brady

| | | |
|---|---|---|
| Formulated By: | Aleah O'Brady | 121724 |
| Reviewed By: | Pedro L. Rentas | 121724 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Zinc nitrate hexahydrate (Zn) | IN016 | ZNE032021A1 | 1000 | 99.999 | 0.10 | 24.3 | 8.2308 | 8.2311 | **1000.0** | **2.0** | 10196-18-6 | 1 mg/m3 | ori-rat 1190mg/kg | 3168 |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

**Trace Metals Verification by ICP-MS (µg/mL)**

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | T |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

R : 4/20/21

## QATS LABORATORY INORGANIC REFERENCE MATERIAL INITIAL CALIBRATION VERIFICATION SOLUTIONS (ICV1, ICV5, AND ICV6)

M6150

**NOTE:** These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

***APPLICATION:*** For use with the CLP SFAM01.0 SOW and revisions.

***CAUTION:*** Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Metals in Dilute Acidic or Cyanide in Basic Aqueous Solutions
**HAZARDOUS MATERIAL**

Safety Data Sheets Available Upon Request

### (A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more Aqueous Inorganic Reference Materials containing various analyte concentrations. ICV1 and ICV5 are in a matrix of dilute nitric acid. ICV6 is in a matrix of dilute basic solution. **For the reference material source in reporting ICVs use "USEPA". For the reference material lot number for the ICV1, ICV5, and ICV6 solutions use "ICV1-1014", "ICV5-0415", and "ICV6-0400", respectively.**

### (B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

**QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY**
**APTIM Federal Services, LLC**
**2700 Chandler Avenue - Building C**
**Las Vegas, NV 89120**

### (C) *ANALYSIS OF SAMPLES*

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP, AA, and Cyanide colorimetric instruments, and are to be used with the CLP SOWs and revisions. The values for each element in the ICVs are listed below in µg/L (ppb) for the resulting solution(s) after the dilution of the concentrate(s) according to the following instructions. Use Class 'A' glassware to prepare the solution(s).

**ICV1-1014** For ICP-AES analysis, use a 10-fold dilution by pipetting 10 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

**ICV1-1014** For ICP-MS analysis, use a 50-fold dilution by pipetting 2 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

**ICV5-0415** For the cold vapor analysis of mercury by AA, use a 100-fold dilution by pipetting 1 mL of the ICV5 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

**ICV6-0400** For the analysis of cyanide, use a 100-fold dilution by pipetting 1 mL of the ICV6 concentrate into a 100 mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

**NOTE:** USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

**(D)** ***CERTIFIED CONCENTRATIONS OF QATS ICV1, ICV5, AND ICV6 SOLUTIONS***

| ICV1-1014 | | |
|---|---|---|
| **Element** | **Concentration (µg/L) (after 10-fold dilution)** | **Concentration (µg/L) (after 50-fold dilution)** |
| Al | 2500 | 500 |
| Sb | 1000 | 200 |
| As | 1000 | 200 |
| Ba | 520 | 100 |
| Be | 510 | 100 |
| Cd | 510 | 100 |
| Ca | 10000 | 2000 |
| Cr | 520 | 100 |
| Co | 520 | 100 |
| Cu | 510 | 100 |
| Fe | 10000 | 2000 |
| Pb | 1000 | 200 |
| Mg | 6000 | 1200 |
| Mn | 520 | 100 |
| Ni | 530 | 110 |
| K | 9900 | 2000 |
| Se | 1000 | 200 |
| Ag | 250 | 50 |
| Na | 10000 | 2000 |
| Tl | 1000 | 210 |
| V | 500 | 100 |
| Zn | 1000 | 200 |

| ICV5-0415 | | ICV6-0400 | |
|---|---|---|---|
| **Element** | **Concentration (µg/L) (after 100-fold dilution)** | **Analyte** | **Concentration (µg/L) (after 100-fold dilution)** |
| Hg | 4.0 | $CN^-$ | 99 |

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

M6151

R-> 1/15/25

Material No.: 9530-33
Batch No.: 22G2862015
Manufactured Date: 2022-06-15
Retest Date: 2027-06-14
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| ACS – Assay (as HCl) (by acid-base titrn) | 36.5 – 38.0 % | 37.9 % |
| ACS – Color (APHA) | ≤ 10 | 5 |
| ACS – Residue after Ignition | ≤ 3 ppm | < 1 ppm |
| ACS – Specific Gravity at 60°/60°F | 1.185 – 1.192 | 1.191 |
| ACS – Bromide (Br) | ≤ 0.005 % | < 0.005 % |
| ACS – Extractable Organic Substances | ≤ 5 ppm | < 1 ppm |
| ACS – Free Chlorine (as $Cl_2$) | ≤ 0.5 ppm | < 0.5 ppm |
| Phosphate ($PO_4$) | ≤ 0.05 ppm | < 0.03 ppm |
| Sulfate ($SO_4$) | ≤ 0.5 ppm | < 0.3 ppm |
| Sulfite ($SO_3$) | ≤ 0.8 ppm | 0.3 ppm |
| Ammonium ($NH_4$) | ≤ 3 ppm | < 1 ppm |
| Trace Impurities – Arsenic (As) | ≤ 0.010 ppm | < 0.003 ppm |
| Trace Impurities – Aluminum (Al) | ≤ 10.0 ppb | 1.3 ppb |
| Arsenic and Antimony (as As) | ≤ 5.0 ppb | < 3.0 ppb |
| Trace Impurities – Barium (Ba) | ≤ 1.0 ppb | 0.2 ppb |
| Trace Impurities – Beryllium (Be) | ≤ 1.0 ppb | < 0.2 ppb |
| Trace Impurities – Bismuth (Bi) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Boron (B) | ≤ 20.0 ppb | < 5.0 ppb |
| Trace Impurities – Cadmium (Cd) | ≤ 1.0 ppb | < 0.3 ppb |
| Trace Impurities – Calcium (Ca) | ≤ 50.0 ppb | 163.0 ppb |
| Trace Impurities – Chromium (Cr) | ≤ 1.0 ppb | 0.7 ppb |
| Trace Impurities – Cobalt (Co) | ≤ 1.0 ppb | < 0.3 ppb |
| Trace Impurities – Copper (Cu) | ≤ 1.0 ppb | < 0.1 ppb |
| Trace Impurities – Gallium (Ga) | ≤ 1.0 ppb | < 0.2 ppb |
| Trace Impurities – Germanium (Ge) | ≤ 3.0 ppb | < 2.0 ppb |
| Trace Impurities – Gold (Au) | ≤ 4.0 ppb | 0.6 ppb |
| Heavy Metals (as Pb) | ≤ 100 ppb | < 50 ppb |
| Trace Impurities – Iron (Fe) | ≤ 15 ppb | 6 ppb |

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

| Test | Specification | Result |
|---|---|---|
| Trace Impurities – Lead (Pb) | ≤ 1.0 ppb | < 0.5 ppb |
| Trace Impurities – Lithium (Li) | ≤ 1.0 ppb | < 0.2 ppb |
| Trace Impurities – Magnesium (Mg) | ≤ 10.0 ppb | 2.9 ppb |
| Trace Impurities – Manganese (Mn) | ≤ 1.0 ppb | < 0.4 ppb |
| Trace Impurities – Mercury (Hg) | ≤ 0.5 ppb | 0.1 ppb |
| Trace Impurities – Molybdenum (Mo) | ≤ 10.0 ppb | < 3.0 ppb |
| Trace Impurities – Nickel (Ni) | ≤ 4.0 ppb | < 0.3 ppb |
| Trace Impurities – Niobium (Nb) | ≤ 1.0 ppb | 0.8 ppb |
| Trace Impurities – Potassium (K) | ≤ 9.0 ppb | < 2.0 ppb |
| Trace Impurities – Selenium (Se), For Information Only | | < 1.0 ppb |
| Trace Impurities – Silicon (Si) | ≤ 100.0 ppb | < 10.0 ppb |
| Trace Impurities – Silver (Ag) | ≤ 1.0 ppb | 0.5 ppb |
| Trace Impurities – Sodium (Na) | ≤ 100.0 ppb | 2.3 ppb |
| Trace Impurities – Strontium (Sr) | ≤ 1.0 ppb | < 0.2 ppb |
| Trace Impurities – Tantalum (Ta) | ≤ 1.0 ppb | 1.6 ppb |
| Trace Impurities – Thallium (Tl) | ≤ 5.0 ppb | < 2.0 ppb |
| Trace Impurities – Tin (Sn) | ≤ 5.0 ppb | 4.0 ppb |
| Trace Impurities – Titanium (Ti) | ≤ 1.0 ppb | 1.5 ppb |
| Trace Impurities – Vanadium (V) | ≤ 1.0 ppb | < 0.2 ppb |
| Trace Impurities – Zinc (Zn) | ≤ 5.0 ppb | 0.8 ppb |
| Trace Impurities – Zirconium (Zr) | ≤ 1.0 ppb | 0.3 ppb |

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

| Test | Specification | Result |
|---|---|---|

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

INORGANIC VENTURES
Refine your results. Redefine your industry.

# Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

R→1/7/23
M6153

## 1.0 ACCREDITATION / REGISTRATION

**INORGANIC VENTURES** is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

## 2.0 PRODUCT DESCRIPTION

| | |
|---|---|
| Product Code: | Single Analyte Custom Grade Solution |
| Catalog Number: | CGSR10 |
| Lot Number: | V2-SR745329 |
| Matrix: | 2% (v/v) HNO3 |
| Value / Analyte(s): | 10 000 µg/mL ea: Strontium |
| Starting Material: | Strontium Carbonate |
| Starting Material Lot#: | 2647 |
| Starting Material Purity: | 99.9960% |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Value:** 10081 ± 39 µg/mL

**Density:** 1.030 g/mL (measured at 20 ± 4 °C)

**Assay Information:**

**Assay Method #1** **10059 ± 50 µg/mL**
ICP Assay NIST SRM Traceable to 3153a Lot Number: K2-SR650985

**Assay Method #2** **10087 ± 26 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

### Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

$w_i$ = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

### Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

$X_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

## 4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

### 4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

### 4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

### 4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

## 5.0 TRACE METALLIC IMPURITIES (TMI ) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M | Ag | < | 0.000960 | M | Eu | < | 0.000480 | O | Na | | 0.002964 | M | Se | < | 0.042000 | M | Zn | 0.004560 |
| M | Al | | 0.003420 | O | Fe | | 0.013225 | M | Nb | < | 0.000480 | O | Si | | 0.012997 | M | Zr | 0.001847 |
| M | As | < | 0.007200 | M | Ga | < | 0.002900 | M | Nd | < | 0.000480 | M | Sm | < | 0.000480 | | | |
| M | Au | < | 0.003900 | M | Gd | < | 0.000480 | O | Ni | | 0.001482 | M | Sn | < | 0.000480 | | | |
| O | B | < | 0.003200 | M | Ge | < | 0.004800 | M | Os | < | 0.001500 | s | Sr | < | | | | |
| M | Ba | | 0.638494 | M | Hf | < | 0.000480 | O | P | < | 0.017000 | M | Ta | < | 0.000480 | | | |
| O | Be | < | 0.000450 | M | Hg | < | 0.000960 | M | Pb | | 0.010717 | M | Tb | < | 0.000480 | | | |
| M | Bi | < | 0.002000 | M | Ho | < | 0.000480 | M | Pd | < | 0.002000 | M | Te | < | 0.016000 | | | |
| O | Ca | | 0.025083 | M | In | < | 0.008600 | M | Pr | | 0.000547 | M | Th | < | 0.000480 | | | |
| M | Cd | < | 0.000960 | M | Ir | < | 0.000480 | M | Pt | < | 0.000480 | M | Ti | | 0.004560 | | | |
| M | Ce | | 0.000661 | O | K | | 0.025083 | M | Rb | < | 0.003400 | M | Tl | < | 0.000480 | | | |
| M | Co | | 0.001527 | M | La | < | 0.000480 | M | Re | < | 0.000480 | M | Tm | | 0.004332 | | | |
| O | Cr | < | 0.004700 | O | Li | < | 0.005600 | O | Rh | < | 0.013000 | M | U | < | 0.000480 | | | |
| M | Cs | < | 0.000480 | M | Lu | < | 0.000480 | M | Ru | < | 0.000960 | M | V | < | 0.000960 | | | |
| O | Cu | < | 0.003800 | O | Mg | | 0.001048 | O | S | < | 0.045000 | M | W | < | 0.002400 | | | |
| M | Dy | < | 0.000960 | O | Mn | | 0.000319 | M | Sb | < | 0.009600 | O | Y | < | 0.001200 | | | |
| M | Er | < | 0.000480 | M | Mo | < | 0.002900 | M | Sc | < | 0.001500 | M | Yb | < | 0.000480 | | | |

M - Checked by ICP-MS  O - Checked by ICP-OES  i - Spectral Interference
n - Not Checked For  s - Solution Standard Element

## 6.0 INTENDED USE

**6.1** This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

**6.2** For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

## 7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

### 7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

**Atomic Weight; Valence; Coordination Number; Chemical Form in Solution** - 87.62 +2 6 $Sr(H_2O)_{6}^{+2}$

**Chemical Compatibility** - Soluble in HCl, and $HNO_3$. Avoid $H_2SO_4$, HF and neutral to basic media. Stable with most metals and inorganic anions forming insoluble silicate, carbonate, hydroxide, oxide, fluoride, sulfate, oxalate, chromate, arsenate and tungstate in neutral aqueous media.

**Stability** - 2-100 ppb levels stable for months in 1% $HNO_3$ / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1 - 3.5% $HNO_3$ / LDPE container.

**Sr Containing Samples (Preparation and Solution)** -Metal (Best dissolved in diluted $HNO_3$ ); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Dry ash and dissolution in dilute HCl).

**Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):**

| **Technique/Line** | **Estimated D.L.** | **Order** | **Interferences** (underlined indicates severe) |
|---|---|---|---|
| ICP-MS 88 amu | 1200 ppt | N/A | 72Ge16O, 176Yb+2, 176Lu+2 , 176Hf+2 |
| ICP-OES 407.771 nm | 0.0004 / 0.00006 µg/mL | 1 | U, Ce |
| ICP-OES 421.552 nm | 0.0008 / 0.00004 µg/mL | 1 | Rb |
| ICP-OES 460.733 nm | 0.07 / 0.003 µg/mL | 1 | Ce |

## 8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

## 9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

## 10.0 QUALITY STANDARD DOCUMENTATION

### 10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

### 10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

## 11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

### 11.1 Certification Issue Date

August 26, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

### 11.2 Lot Expiration Date

**- August 26, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

### 11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Prepared By:**

Uyen Truong
Custom Processing Supervisor



**Certificate Approved By:**

Muzzammil Khan
Stock Laboratory Supervisor



**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director



Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

R-02102/2025

M-6158

Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($HNO_3$) | 69.0 - 70.0 % | 69.7 % |
| Appearance | Passes Test | Passes Test |
| Color (APHA) | ≤ 10 | 5 |
| Residue after Ignition | ≤ 2 ppm | 1 ppm |
| Chloride (Cl) | ≤ 0.08 ppm | < 0.03 ppm |
| Phosphate ($PO_4$) | ≤ 0.10 ppm | < 0.03 ppm |
| Sulfate ($SO_4$) | ≤ 0.2 ppm | < 0.2 ppm |
| Trace Impurities - Aluminum (Al) | ≤ 40.0 ppb | < 1.0 ppb |
| Arsenic and Antimony (as As) | ≤ 5.0 ppb | < 2.0 ppb |
| Trace Impurities - Barium (Ba) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Beryllium (Be) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Bismuth (Bi) | ≤ 20.0 ppb | < 10.0 ppb |
| Trace Impurities - Boron (B) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities - Cadmium (Cd) | ≤ 50 ppb | < 1 ppb |
| Trace Impurities - Calcium (Ca) | ≤ 50.0 ppb | 2.3 ppb |
| Trace Impurities - Chromium (Cr) | ≤ 30.0 ppb | < 1.0 ppb |
| Trace Impurities - Cobalt (Co) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Copper (Cu) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Gallium (Ga) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Germanium (Ge) | ≤ 20 ppb | < 10 ppb |
| Trace Impurities - Gold (Au) | ≤ 20 ppb | < 5 ppb |
| Heavy Metals (as Pb) | ≤ 100 ppb | 100 ppb |
| Trace Impurities - Iron (Fe) | ≤ 40.0 ppb | < 1.0 ppb |
| Trace Impurities - Lead (Pb) | ≤ 20.0 ppb | < 10.0 ppb |
| Trace Impurities - Lithium (Li) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Magnesium (Mg) | ≤ 20 ppb | < 1 ppb |
| Trace Impurities - Manganese (Mn) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Nickel (Ni) | ≤ 20.0 ppb | < 5.0 ppb |

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

| Test | Specification | Result |
|---|---|---|
| Trace Impurities - Niobium (Nb) | ≤ 50.0 ppb | < 1.0 ppb |
| Trace Impurities - Potassium (K) | ≤ 50 ppb | 16 ppb |
| Trace Impurities - Silicon (Si) | ≤ 50 ppb | < 10 ppb |
| Trace Impurities - Silver (Ag) | ≤ 20.0 ppb | < 1.0 ppb |
| Trace Impurities - Sodium (Na) | ≤ 150.0 ppb | < 5.0 ppb |
| Trace Impurities - Strontium (Sr) | ≤ 30.0 ppb | < 1.0 ppb |
| Trace Impurities - Tantalum (Ta) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities - Thallium (Tl) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities - Tin (Sn) | ≤ 20.0 ppb | < 10.0 ppb |
| Trace Impurities - Titanium (Ti) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Vanadium (V) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Zinc (Zn) | ≤ 20.0 ppb | < 1.0 ppb |
| Trace Impurities - Zirconium (Zr) | ≤ 10.0 ppb | < 1.0 ppb |
| Particle Count - 0.5 µm and greater | ≤ 60 par/ml | 10 par/ml |
| Particle Count - 1.0 µm and greater | ≤ 10 par/ml | 3 par/ml |

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

| Test | Specification | Result |
|---|---|---|

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

INORGANIC VENTURES™

Refine your results. Redefine your industry.

A: 4/11/22

# Certificate of Analysis

M5738, M5739, M5740, M5741, M5742, M5743

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

## 1.0 ACCREDITATION / REGISTRATION

**INORGANIC VENTURES** is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

## 2.0 PRODUCT DESCRIPTION

| | |
|---|---|
| Product Code: | Multi Analyte Custom Grade Solution |
| Catalog Number: | 6020ISS |
| Lot Number: | S2-MEB709511 |
| Matrix: | 7% (v/v) HNO3 |
| Value / Analyte(s): | 10 µg/mL ea: |

Bismuth, Holmium,
Indium, 6-Lithium,
Rhodium, Scandium,
Terbium, Yttrium

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ANALYTE | CERTIFIED VALUE | ANALYTE | CERTIFIED VALUE |
|---|---|---|---|
| 6-Lithium, Li6 | 10.00 ± 0.03 µg/mL | Bismuth, Bi | 10.00 ± 0.05 µg/mL |
| Holmium, Ho | 10.00 ± 0.05 µg/mL | Indium, In | 10.00 ± 0.04 µg/mL |
| Rhodium, Rh | 10.00 ± 0.07 µg/mL | Scandium, Sc | 10.00 ± 0.04 µg/mL |
| Terbium, Tb | 10.00 ± 0.04 µg/mL | Yttrium, Y | 10.00 ± 0.04 µg/mL |

**Density:** 1.035 g/mL (measured at 20 ± 4 °C)

**Assay Information:**

| ANALYTE | METHOD | NIST SRM# | SRM LOT# |
|---|---|---|---|
| Bi | ICP Assay | 3106 | 180815 |
| Bi | Calculated | | See Sec. 4.2 |
| Ho | ICP Assay | 3123a | 090408 |
| Ho | EDTA | 928 | 928 |
| In | ICP Assay | 3124a | 110516 |
| In | EDTA | 928 | 928 |
| In | Calculated | | See Sec. 4.2 |
| Li6 | Gravimetric | | See Sec. 4.2 |
| Rh | ICP Assay | 3144 | 070619 |
| Sc | ICP Assay | 3148a | 100701 |
| Sc | EDTA | 928 | 928 |
| Tb | ICP Assay | 3157a | 100518 |
| Tb | EDTA | 928 | 928 |
| Tb | Calculated | | See Sec. 4.2 |
| Y | ICP Assay | 3167a | 120314 |
| Y | EDTA | 928 | 928 |
| Y | Calculated | | See Sec. 4.2 |

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

**Characterization of CRM/RM by Two or More Methods**

**Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:**

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

$w_i$ = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

**CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$**

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

**Characterization of CRM/RM by One Method**

**Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:**

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

$X_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

**CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$**

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

**Certified Abundance:**

**IV's Certified Abundance**

| Isotope | Atom % |
|---|---|
| Lithium Li6 | 95.6 ± 0.3 |
| Lithium Li7 | 4.4 ± 0.1 |

## 4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

### 4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

### 4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

### 4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

## 5.0 TRACE METALLIC IMPURITIES (TMI ) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

## 6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

## 7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

### 7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

## 8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

## 9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

## 10.0 QUALITY STANDARD DOCUMENTATION

### 10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

### 10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

### 10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

## 11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

### 11.1 Certification Issue Date

September 03, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

### 11.2 Lot Expiration Date

**- September 03, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

### 11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Approved By:**

Michael Booth
Director, Quality Control



**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director



# QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)

**NOTE:** These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

***APPLICATION:*** For use with the CLP SFAM01.0 SOW and revisions.

***CAUTION:*** Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
**HAZARDOUS MATERIAL**

Safety Data Sheets
Available Upon Request

## (A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix**. For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

***CAUTION:*** The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

## (B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

**QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY**
**APTIM Federal Services, LLC**
**2700 Chandler Avenue - Building C**
**Las Vegas, NV 89120**

## (C) *ANALYSIS OF SAMPLES*

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for the ICP-MS ICS Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:



*The Quality Assurance Technical Support (QATS) contract is operated by APTIM Federal Services, LLC.*

**ICSA-0803, Inferferents:** Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v $HNO_3$. Analyze this solution by ICP-MS.

**ICSB-0803, Analytes, mixed with ICSA-0803, Interferents:** Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v $HNO_3$. Analyze this ICSAB solution by ICP-MS.

## (D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

**Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803**

ICSA: M5873

ICSB: M5874

| Element | CRQL | Part A (µg/L) | Lower Limit (µg/L) | Upper Limit (µg/L) | Part A +Part B (µg/L) | Lower Limit (µg/L) | Upper Limit (µg/L) |
|---|---|---|---|---|---|---|---|
| Al | 20.0 | [100000] | | | [100000] | | |
| Sb | 2.0 | (1.5) | -2.5 | 5.5 | (22.0) | 18.0 | 26.0 |
| As | 1.0 | (0.1) | -1.9 | 2.1 | 19.0 | 16.2 | 21.9 |
| Ba | 10.0 | (1.2) | -18.8 | 21.2 | (22.0) | 2.0 | 42.0 |
| Be | 1.0 | (0) | -2.0 | 2.0 | 19.0 | 16.2 | 21.9 |
| Cd | 1.0 | (0.7) | -1.3 | 2.7 | 20.0 | 17.0 | 23.0 |
| Ca | 500 | [100000] | | | [100000] | | |
| C | | [200000] | | | [200000] | | |
| Cl | | [1000000] | | | [1000000] | | |
| Cr | 2.0 | (21.0) | 17.0 | 25.0 | 40.0 | 34.0 | 46.0 |
| Co | 1.0 | (1.0) | -1.0 | 3.0 | 20.0 | 17.0 | 23.0 |
| Cu | 2.0 | (8.0) | 4.0 | 12.0 | (25.0) | 21.0 | 29.0 |
| Fe | 200 | [100000] | | | [100000] | | |
| Pb | 1.0 | (4.0) | 2.0 | 6.0 | 25.0 | 21.3 | 28.8 |
| Mg | 500 | [100000] | | | [100000] | | |
| Mn | 1.0 | (7.0) | 5.0 | 9.0 | 27.0 | 23.0 | 31.1 |
| Mo | | [2000] | | | [2000] | | |
| Ni | 1.0 | (6.0) | 4.0 | 8.0 | 24.0 | 20.4 | 27.6 |
| P | | [100000] | | | [100000] | | |
| K | 500 | [100000] | | | [100000] | | |
| Se | 5.0 | (0.3) | -9.7 | 10.3 | (19.0) | 9.0 | 29.0 |
| Ag | 1.0 | (0) | -2.0 | 2.0 | 18.0 | 15.3 | 20.7 |
| Na | 500 | [100000] | | | [100000] | | |
| S | | [100000] | | | [100000] | | |
| Tl | 1.0 | (0) | -2.0 | 2.0 | 21.0 | 17.9 | 24.2 |
| Ti | | [2000] | | | [2000] | | |
| V | 5.0 | (0.5) | -9.5 | 10.5 | (19.0) | 9.0 | 29.0 |
| Zn | 5.0 | (11.0) | 1.0 | 21.0 | (29.0) | 19.0 | 39.0 |

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

# QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)

**NOTE:** These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

***APPLICATION:*** For use with the CLP SFAM01.0 SOW and revisions.

***CAUTION:*** Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
**HAZARDOUS MATERIAL**

Safety Data Sheets
Available Upon Request

## (A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix**. For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

***CAUTION:*** The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

## (B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

**QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY**
**APTIM Federal Services, LLC**
**2700 Chandler Avenue - Building C**
**Las Vegas, NV 89120**

## (C) *ANALYSIS OF SAMPLES*

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for the ICP-MS ICS Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:



*The Quality Assurance Technical Support (QATS) contract is operated by APTIM Federal Services, LLC.*

**ICSA-0803, Inferferents:** Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v $HNO_3$. Analyze this solution by ICP-MS.

**ICSB-0803, Analytes, mixed with ICSA-0803, Interferents:** Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v $HNO_3$. Analyze this ICSAB solution by ICP-MS.

## (D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

**Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803**

ICSA: M5873

ICSB: M5874

| Element | CRQL | Part A (µg/L) | Lower Limit (µg/L) | Upper Limit (µg/L) | Part A +Part B (µg/L) | Lower Limit (µg/L) | Upper Limit (µg/L) |
|---|---|---|---|---|---|---|---|
| Al | 20.0 | [100000] | | | [100000] | | |
| Sb | 2.0 | (1.5) | -2.5 | 5.5 | (22.0) | 18.0 | 26.0 |
| As | 1.0 | (0.1) | -1.9 | 2.1 | 19.0 | 16.2 | 21.9 |
| Ba | 10.0 | (1.2) | -18.8 | 21.2 | (22.0) | 2.0 | 42.0 |
| Be | 1.0 | (0) | -2.0 | 2.0 | 19.0 | 16.2 | 21.9 |
| Cd | 1.0 | (0.7) | -1.3 | 2.7 | 20.0 | 17.0 | 23.0 |
| Ca | 500 | [100000] | | | [100000] | | |
| C | | [200000] | | | [200000] | | |
| Cl | | [1000000] | | | [1000000] | | |
| Cr | 2.0 | (21.0) | 17.0 | 25.0 | 40.0 | 34.0 | 46.0 |
| Co | 1.0 | (1.0) | -1.0 | 3.0 | 20.0 | 17.0 | 23.0 |
| Cu | 2.0 | (8.0) | 4.0 | 12.0 | (25.0) | 21.0 | 29.0 |
| Fe | 200 | [100000] | | | [100000] | | |
| Pb | 1.0 | (4.0) | 2.0 | 6.0 | 25.0 | 21.3 | 28.8 |
| Mg | 500 | [100000] | | | [100000] | | |
| Mn | 1.0 | (7.0) | 5.0 | 9.0 | 27.0 | 23.0 | 31.1 |
| Mo | | [2000] | | | [2000] | | |
| Ni | 1.0 | (6.0) | 4.0 | 8.0 | 24.0 | 20.4 | 27.6 |
| P | | [100000] | | | [100000] | | |
| K | 500 | [100000] | | | [100000] | | |
| Se | 5.0 | (0.3) | -9.7 | 10.3 | (19.0) | 9.0 | 29.0 |
| Ag | 1.0 | (0) | -2.0 | 2.0 | 18.0 | 15.3 | 20.7 |
| Na | 500 | [100000] | | | [100000] | | |
| S | | [100000] | | | [100000] | | |
| Tl | 1.0 | (0) | -2.0 | 2.0 | 21.0 | 17.9 | 24.2 |
| Ti | | [2000] | | | [2000] | | |
| V | 5.0 | (0.5) | -9.5 | 10.5 | (19.0) | 9.0 | 29.0 |
| Zn | 5.0 | (11.0) | 1.0 | 21.0 | (29.0) | 19.0 | 39.0 |

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

M6030

R: 8/5/24

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AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

**Part Number:** 57047
**Lot Number:** 122823
**Description:** Silver (Ag)

**Expiration Date:** 122826
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 1000
**NIST Test Number:** 6UTB

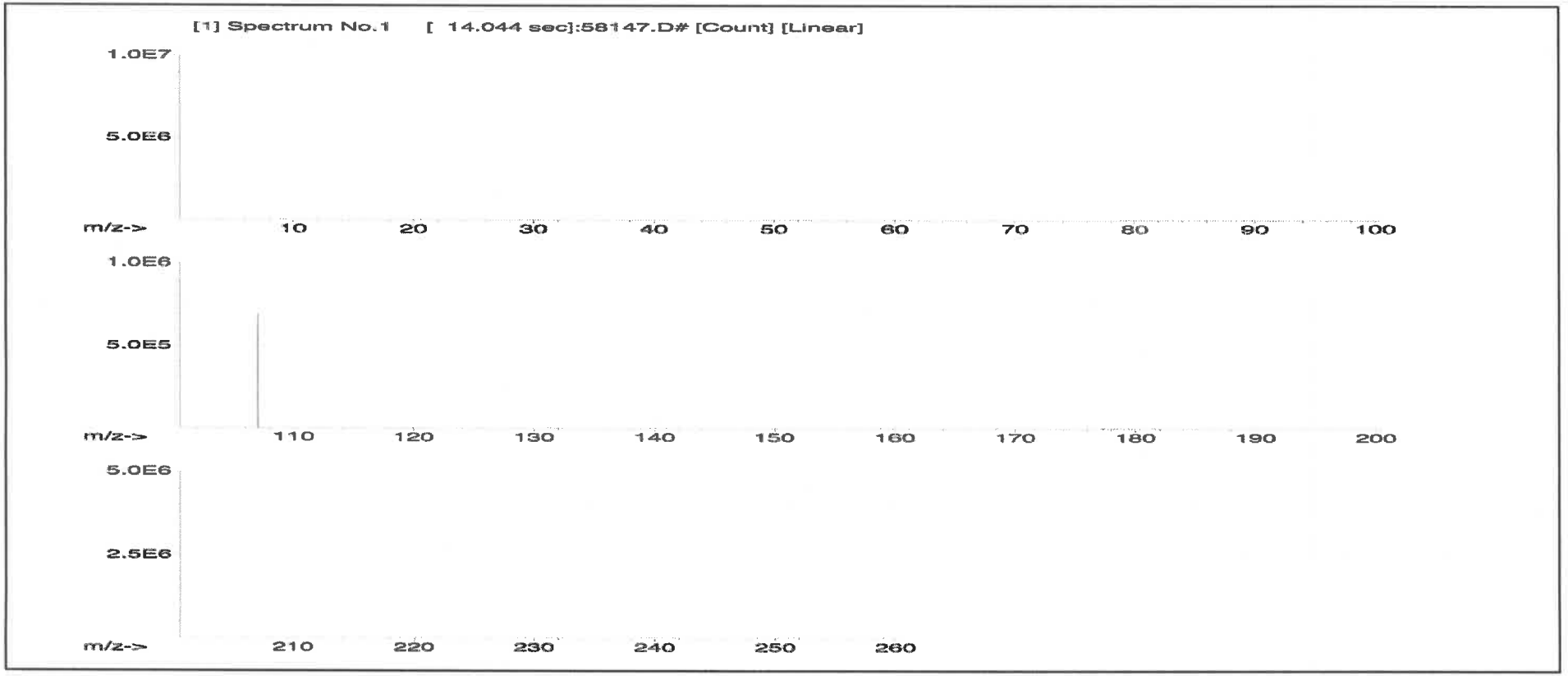
**Weight shown below was diluted to (mL):** 4000.30 0.058 Flask Uncertainty

| | | Lot # | |
|---|---|---|---|
| **Solvent:** | 24002546 | Nitric Acid | |
| 2% | 80.0 (mL) | Nitric Acid | |

5E-05 Balance Uncertainty

| | | |
|---|---|---|
| Formulated By: | Benson Chan | 122823 |
| Reviewed By: | Pedro L. Rentas | 122823 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Silver nitrate (Ag) | IN035 | J0612AGA1 | 1000.0 | 99.9999 | 0.10 | 63.7 | 6.27992 | 6.27998 | **1000.0** | **2.0** | 7761-88-8 | 10 ug/m3 | NA | 3151 |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | T | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T)= Target analyte

**Physical Characterization:**

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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***Certified Reference Material CRM***

R: 10/18/24

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CERTIFIED WEIGHT REPORT:

MG146

**Part Number:** 57051
**Lot Number:** 071724
**Description:** Antimony (Sb)
**Expiration Date:** 071727
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 1000
**NIST Test Number:** 6UTB
**Volume shown below was diluted to (mL):** 2000.26 ± 0.058 Flask Uncertainty

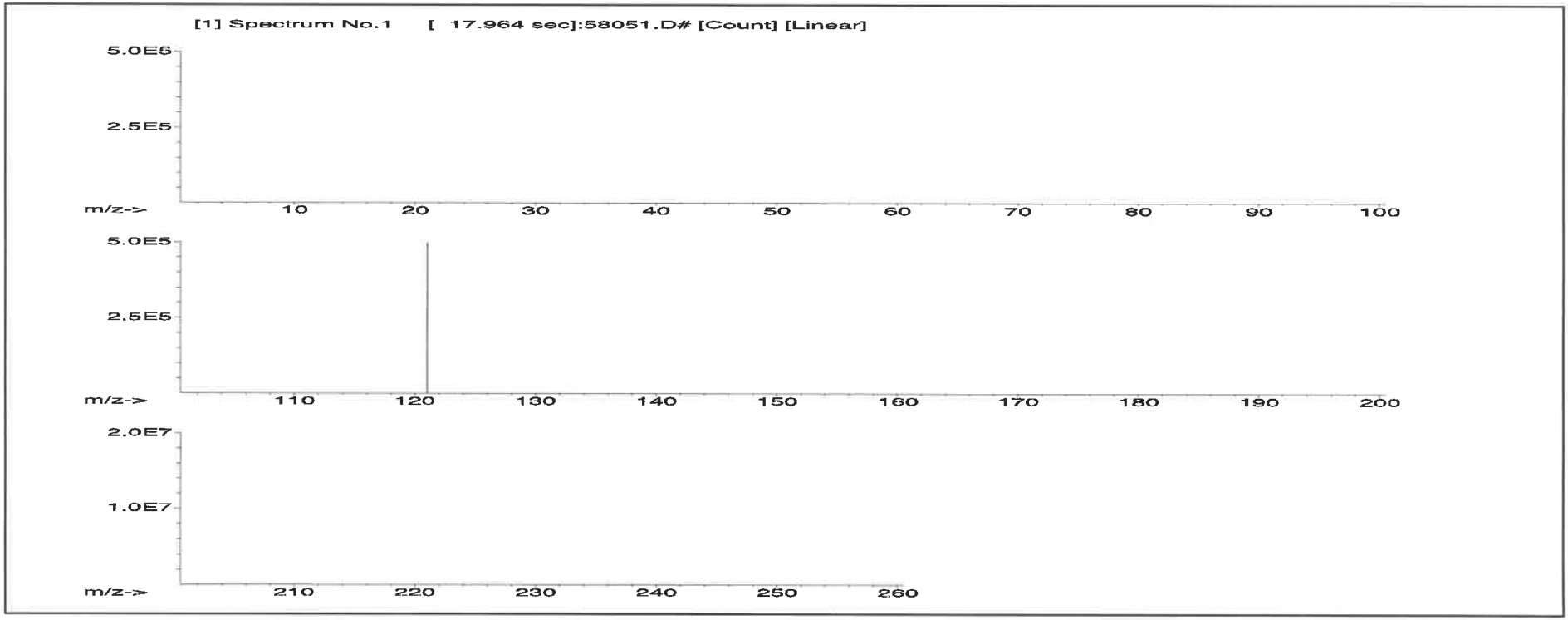
| Lot # | Solvent: | | |
|---|---|---|---|
| 24002546 | Nitric Acid | | |
| 2.0% | 40.0 (mL) | Nitric Acid | |

5E-05 Balance Uncertainty

Giovanni Esposito

| | | |
|---|---|---|
| Formulated By: | Giovanni Esposito | 071724 |
| Reviewed By: | Pedro L. Rentas | 071724 |

| Compound | Part Number | Lot Number | Dilution Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Nominal Conc. (µg/mL) | Initial Conc. (µg/mL) | Final Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Antimony (Sb) | 58151 | 060324 | 0.1000 | 200.0 | 0.084 | 1000 | 10001.4 | **1000.0** | **2.2** | 7440-36-0 | 0.5 mg/m3 | orl-rat 7000 mg/kg | 3102a |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

**Trace Metals Verification by ICP-MS (µg/mL)**

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | T | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

**Certified by:**

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

INORGANIC VENTURES™
Refine your results. Redefine your industry.

# Certificate of Analysis

R: 8/5/24 M6019

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

## 1.0 ACCREDITATION / REGISTRATION

**INORGANIC VENTURES** is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

## 2.0 PRODUCT DESCRIPTION

| | |
|---|---|
| Product Code: | Single Analyte Custom Grade Solution |
| Catalog Number: | CGSR1 |
| Lot Number: | U2-SR730227 |
| Matrix: | 0.1% (v/v) HNO3 |
| Value / Analyte(s): | 1 000 µg/mL ea: Strontium |
| Starting Material: | SrCO3 |
| Starting Material Lot#: | M2-2192 |
| Starting Material Purity: | 99.9993% |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Value:** 1001 ± 3 µg/mL

**Density:** 1.000 g/mL (measured at 20 ± 4 °C)

**Assay Information:**

| | |
|---|---|
| **Assay Method #1** | **998 ± 4 µg/mL**<br>ICP Assay NIST SRM Traceable to 3153a Lot Number: K2-SR650985 |
| **Assay Method #2** | **1001 ± 3 µg/mL**<br>EDTA NIST SRM 928 Lot Number: 928 |
| **Assay Method #3** | **1001 ± 2 µg/mL**<br>Calculated NIST SRM Lot Number: See Sec. 4.2 |

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

### Characterization of CRM/RM by Two or More Methods

**Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:**

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

$w_i$ = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

**CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$**

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

### Characterization of CRM/RM by One Method

**Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:**

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

$X_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

**CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$**

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

## 4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

### 4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

### 4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

### 4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

## 5.0 TRACE METALLIC IMPURITIES (TMI ) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M | Ag | < | 0.001980 | M | Eu | < | 0.000495 | O | Na | | 0.000200 | M | Se | < | 0.013862 | O | Zn | | 0.000143 |
| O | Al | | 0.000370 | O | Fe | | 0.000410 | M | Nb | < | 0.000495 | i | Si | < | | M | Zr | < | 0.000495 |
| M | As | < | 0.000495 | M | Ga | < | 0.000495 | M | Nd | < | 0.000495 | M | Sm | < | 0.000495 | | | | |
| M | Au | < | 0.000989 | M | Gd | < | 0.000495 | O | Ni | < | 0.007631 | M | Sn | < | 0.000990 | | | | |
| M | B | < | 0.039606 | M | Ge | < | 0.000495 | M | Os | < | 0.000494 | s | Sr | < | | | | | |
| M | Ba | | 0.006486 | M | Hf | < | 0.000495 | i | P | < | | M | Ta | < | 0.000495 | | | | |
| M | Be | < | 0.000990 | M | Hg | < | 0.000989 | M | Pb | < | 0.002970 | M | Tb | < | 0.000495 | | | | |
| M | Bi | < | 0.000495 | M | Ho | < | 0.000495 | M | Pd | < | 0.003957 | M | Te | < | 0.027724 | | | | |
| O | Ca | | 0.004255 | M | In | < | 0.000495 | M | Pr | < | 0.000495 | M | Th | < | 0.000990 | | | | |
| M | Cd | | 0.001339 | M | Ir | < | 0.000494 | M | Pt | < | 0.002970 | M | Ti | < | 0.005940 | | | | |
| M | Ce | < | 0.004950 | O | K | < | 0.008184 | M | Rb | < | 0.002970 | M | Tl | < | 0.000495 | | | | |
| M | Co | < | 0.000495 | M | La | < | 0.000495 | M | Re | < | 0.000495 | M | Tm | < | 0.000495 | | | | |
| O | Cr | < | 0.003207 | O | Li | < | 0.000884 | O | Rh | < | 0.012829 | M | U | < | 0.001485 | | | | |
| M | Cs | < | 0.000990 | M | Lu | < | 0.002970 | M | Ru | < | 0.000989 | M | V | < | 0.001980 | | | | |
| M | Cu | | 0.000099 | O | Mg | | 0.000064 | i | S | < | | M | W | < | 0.003960 | | | | |
| M | Dy | < | 0.000495 | O | Mn | | 0.000066 | M | Sb | < | 0.014852 | O | Y | < | 0.000995 | | | | |
| M | Er | < | 0.000495 | M | Mo | < | 0.001980 | M | Sc | < | 0.001980 | M | Yb | < | 0.000495 | | | | |

M - Checked by ICP-MS  O - Checked by ICP-OES  i - Spectral Interference
n - Not Checked For  s - Solution Standard Element

## 6.0 INTENDED USE

**6.1** This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

**6.2** For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

## 7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

### 7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

**Atomic Weight; Valence; Coordination Number; Chemical Form in Solution -** 87.62 +2 6 $Sr(H_2O)_6^{+2}$

**Chemical Compatibility -** Soluble in HCl, and $HNO_3$. Avoid $H_2SO_4$, HF and neutral to basic media. Stable with most metals and inorganic anions forming insoluble silicate, carbonate, hydroxide, oxide, fluoride, sulfate, oxalate, chromate, arsenate and tungstate in neutral aqueous media.

**Stability -** 2-100 ppb levels stable for months in 1% $HNO_3$ / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1 - 3.5% $HNO_3$ / LDPE container.

**Sr Containing Samples (Preparation and Solution) -**Metal (Best dissolved in diluted $HNO_3$ ); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Dry ash and dissolution in dilute HCl).

**Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):**

| **Technique/Line** | **Estimated D.L.** | **Order** | **Interferences** (underlined indicates severe) |
|---|---|---|---|
| ICP-MS 88 amu | 1200 ppt | N/A | 72Ge16O, 176Yb+2, 176Lu+2 , 176Hf+2 |
| ICP-OES 407.771 nm | 0.0004 / 0.00006 µg/mL | 1 | U, Ce |
| ICP-OES 421.552 nm | 0.0008 / 0.00004 µg/mL | 1 | Rb |
| ICP-OES 460.733 nm | 0.07 / 0.003 µg/mL | 1 | Ce |

## 8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

## 9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

## 10.0 QUALITY STANDARD DOCUMENTATION

### 10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

### 10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

**10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"**

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

## 11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

**11.1 Certification Issue Date**

March 03, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

**11.2 Lot Expiration Date**

- **March 03, 2028**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

**11.3 Period of Validity**

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Approved By:**

Thomas Kozikowski
Manager, Quality Control



**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director



**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

M6023

R ! 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

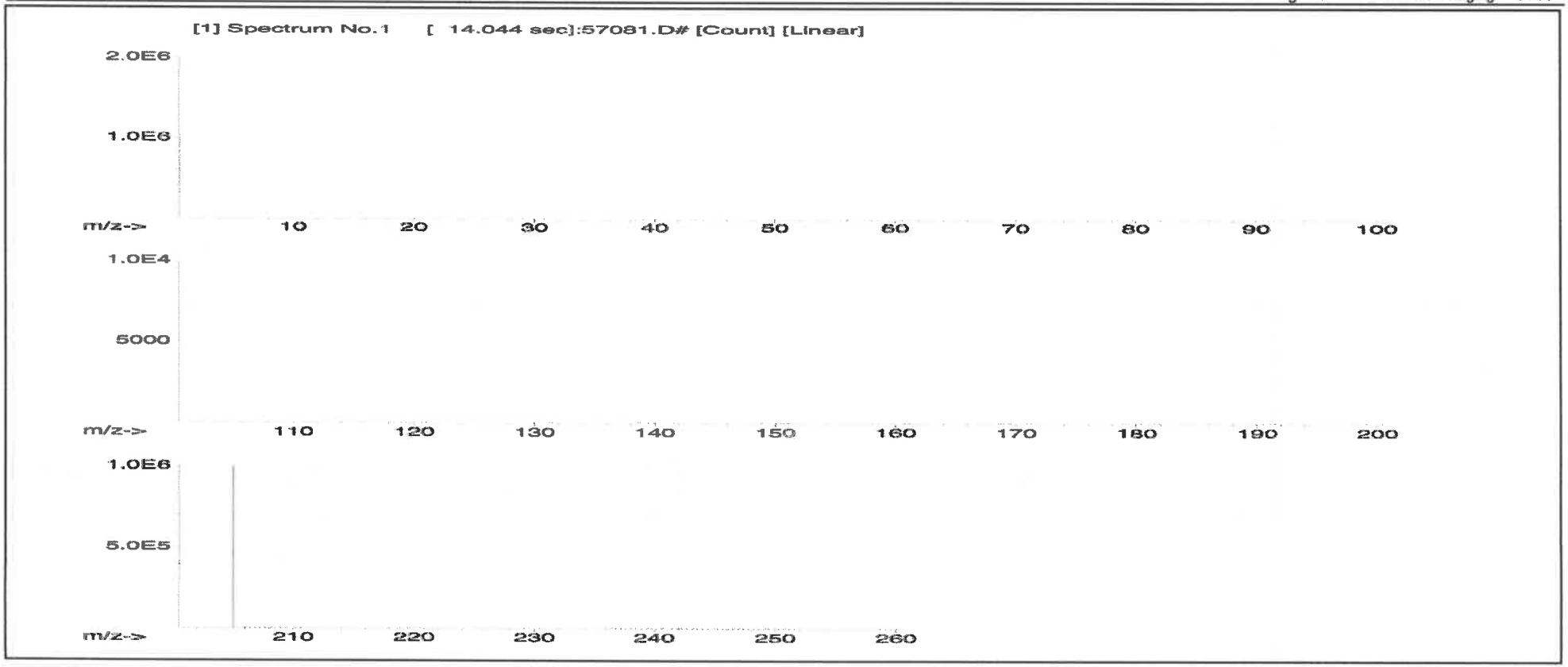
CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **57081** | | **Lot #** | | |
| **Lot Number:** | **062724** | **Solvent:** | 24002546 | Nitric Acid | |
| **Description:** | **Thallium (Tl)** | | | | |
| | | 2% | 40.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 062727 | | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | | |
| **Weight shown below was diluted to (mL):** | 2000.1 | 0.10 | Flask Uncertainty | | |

Aleah O'Brady

| | | |
|---|---|---|
| Formulated By: | Aleah O'Brady | 062724 |
| Reviewed By: | Pedro L. Rentas | 062724 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Thallium nitrate (Tl) | IN037 | BCCF4399 | 1000 | 99.999 | 0.10 | 77.0 | 2.5975 | 2.5977 | **1000.1** | **2.0** | 10102-45-1 | 0.1 mg/m3 | orl-mus 15mg/kg | 3158 |






779 of 787
Q1984-METALS

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

*Certified Reference Material CRM*

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https://Absolutestandards.com



**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | T | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

M6021

Rc. 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

| | | Lot # | Solvent: | |
|---|---|---|---|---|
| **Part Number:** | **57023** | | | |
| **Lot Number:** | **062424** | 24002546 | Nitric Acid | |
| **Description:** | **Vanadium (V)** | | | |
| | | 2.0% | 40.0 (mL) | Nitric Acid |
| **Expiration Date:** | 062427 | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | |
| **Volume shown below was diluted to (mL):** | 2000.3 | 0.06 | Flask Uncertainty | |

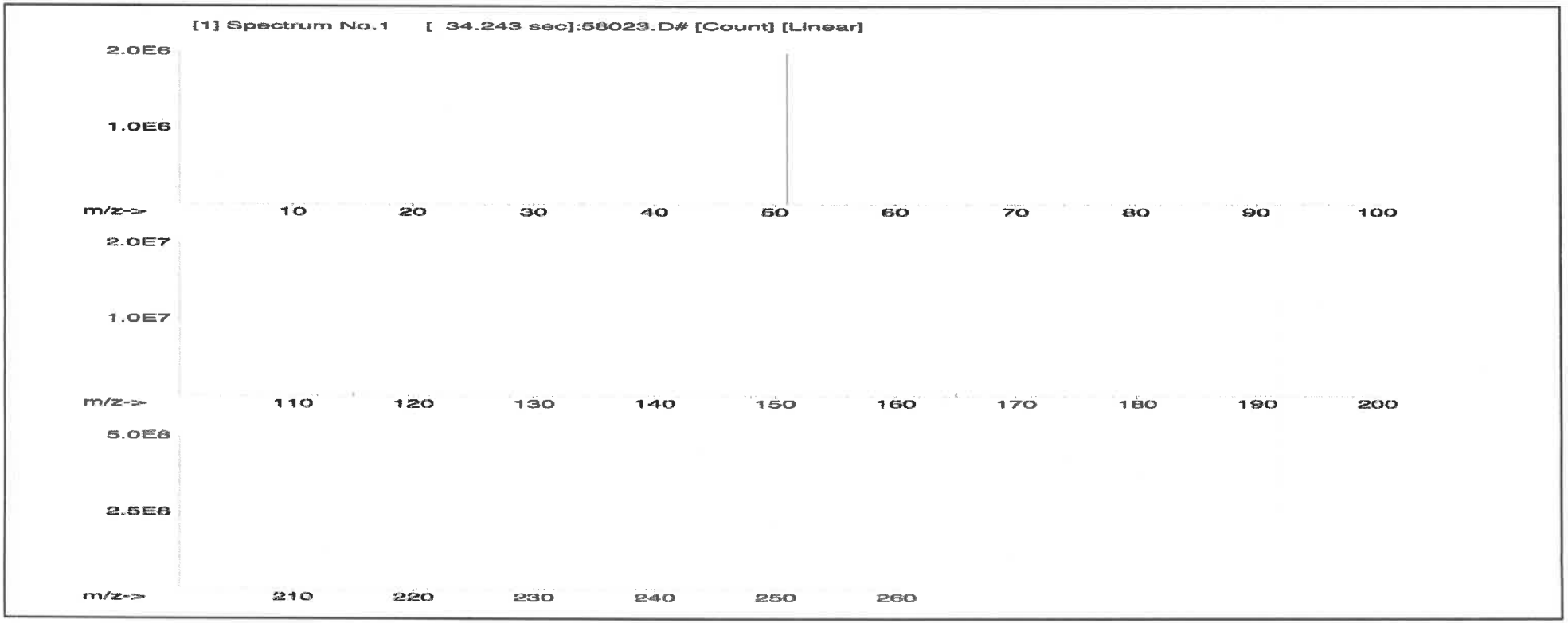
Aleah O'Brady

| Formulated By: | Aleah O'Brady | 062424 |
|---|---|---|

Pedro Rentas

| Reviewed By: | Pedro L. Rentas | 062424 |
|---|---|---|

| Compound | Part Number | Lot Number | Dilution Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Nominal Conc. (µg/mL) | Initial Conc. (µg/mL) | Final Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Ammonium metavanadate (V) | 58123 | 021224 | 0.1000 | 200.0 | 0.084 | 1000 | 10000.3 | **1000.0** | **2.2** | 7803-55-6 | 0.05 mg/m3 | orl-rat 58.1mg/kg | 3165 |



**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

*Certified Reference Material CRM*

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com



**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

**Trace Metals Verification by ICP-MS (µg/mL)**

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | T |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

**Certified by:**

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

# SHIPPING DOCUMENTS

Q1984

# Chemtech

Phone: (908) 789-8900
Fax: (908) 789-8922
284 Sheffield Street, Mountainside, NJ 07092

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 4_01/08/2020

39 Spruce Street
East Longmeadow, MA 01028

Page __1__ of __1__

| | |
|---|---|
| Company Name: | Nobis Group |
| Address: | 55 Technology Dr Suite 101, Lowell, MA 01851 |
| Phone: | 978-703-6014 |
| Project Name: | Raymark |
| Project Location: | Stratford, CT |
| Project Number: | 95700 |
| Project Manager: | Adam Roy |
| Con-Test Quote Name/Number: | |
| Invoice Recipient: | |
| Sampled By: | C. Odell |

**Requested Turnaround Time**
5-Day ☐ 10-Day ☑
PFAS 10-Day (std) ☐ Due Date:

**Rush-Approval Required**
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

**Data Deliverables**
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

**Dissolved Metals Samples**
○ Field Filtered
○ Lab to Filter

**Orthophosphate Samples**
○ Field Filtered
○ Lab to Filter

**PCB ONLY**
SOXHLET ☑
NON SOXHLET ☐

**ANALYSIS REQUESTED**

| Con-Test Work Order# | Client Sample ID / Description | Beginning Date/Time | Ending Date/Time | COMP/GRAB | [1]Matrix Code | Conc Code | VIALS | GLASS | PLASTIC | BACTERIA | ENCORE | M/O | RCP VOCs | % Solids | PAHs | Herbicides | Pesticides | PCBs | Metals ICP + Hg - 6010 | Cyanide | SPLP RCP Metals - 6020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OU4-PCS-TC-33-050725 | 5/7/25 | 0950 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-PCS-TC-34-050725 | 5/7/25 | 1000 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-PCS-TC-35-050725 | 5/7/25 | 1015 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-TS-24-050725 | 5/7/25 | 1130 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-TS-25-050725 | 5/7/25 | 1135 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-TS-26-050725 | 5/7/25 | 1140 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-TS-27-050725 | 5/7/25 | 1145 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-TS-28-050725 | 5/7/25 | 1150 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-TB01-050725 ↓ | | 0800 | — | — | | 3 | | | | | | X | | | | | | | | |

[2] Preservation Code

Total Number Of:
VIALS
GLASS
PLASTIC
BACTERIA
ENCORE

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

| | | |
|---|---|---|
| Relinquished by: (signature) | Date/Time: 5/7/25 1430 | Client Comments: |
| Received by: (signature) | Date/Time: 5-8-25 0930 | |
| Relinquished by: (signature) | Date/Time: | |
| Received by: (signature) | Date/Time: | |
| Relinquished by: (signature) | Date/Time: | |
| Received by: (signature) | Date/Time: | |
| Relinquished by: (signature) | Date/Time: | |
| Received by: (signature) | Date/Time: | |

**Detection Limit Requirements**
MA
Other

**Special Requirements**
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

**Project Entity**
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

**Lab Comments:**
1.9°C
Adjust Factor +1
IR Gun #1

**Disclaimer:** Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# 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 |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q1984 NOBI03
**Client Name :** Nobis Group
**Client Contact :** Adam Roy
**Invoice Name :** Nobis Group
**Invoice Contact :** Adam Roy

**Order Date :** 5/8/2025 10:48:00 AM
**Project Name :** Raymark Superfund Site
**Receive DateTime :** 5/8/2025 9:50:00 AM
**Purchase Order :**

**Project Mgr :**
**Report Type :** Level 4
**EDD Type :** EQUIS
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| Q1984-01 | OU4-PCS-TC-33-050725 | Solid | 05/07/2025 | 09:50 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | 10 Bus. Days | |
| Q1984-03 | OU4-PCS-TC-34-050725 | Solid | 05/07/2025 | 10:00 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | 10 Bus. Days | |
| Q1984-05 | OU4-PCS-TC-35-050725 | Solid | 05/07/2025 | 10:15 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | 10 Bus. Days | |
| Q1984-07 | OU4-TS-24-050725 | Solid | 05/07/2025 | 11:30 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | 10 Bus. Days | |
| Q1984-09 | OU4-TS-25-050725 | Solid | 05/07/2025 | 11:35 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | 10 Bus. Days | |
| Q1984-11 | OU4-TS-26-050725 | Solid | 05/07/2025 | 11:40 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | 10 Bus. Days | |
| Q1984-13 | OU4-TS-27-050725 | Solid | 05/07/2025 | 11:45 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | 10 Bus. Days | |
| Q1984-15 | OU4-TS-28-050725 | Solid | 05/07/2025 | 11:50 | | | | | |

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q1984 NOBI03
**Client Name :** Nobis Group
**Client Contact :** Adam Roy
**Invoice Name :** Nobis Group
**Invoice Contact :** Adam Roy

**Order Date :** 5/8/2025 10:48:00 AM
**Project Name :** Raymark Superfund Site
**Receive DateTime :** 5/8/2025 9:50:00 AM
**Purchase Order :**

**Project Mgr :**
**Report Type :** Level 4
**EDD Type :** EQUIS
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | VOCMS Group3 | | 8260D | 10 Bus. Days | | |
| Q1984-19 | OU4-TB01-050725 | Water | 05/07/2025 | 08:00 | | | | | | |
| | | | | | VOCMS Group3 | | ~~8260 Low~~ 8260D | 10 Bus. Days | | |

**Relinquished By :**
**Date / Time :** 5/8/25 1150

**Received By :** JC
**Date / Time :** 5/8/25 1150
**Storage Area :** VOA Refridgerator Room