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

# DATA PACKAGE

## METALS

**PROJECT NAME : FORMER SCHLUMBERGER SITE PRINCETON NJ**

**JACOBS ENGINEERING GROUP, INC.**

**412 Mt. Kemble Ave**

**Downtown Building**

**Morristown, NJ - 07960**

**Phone No: 9732670555**

**ORDER ID : P3440**

**ATTENTION : Mary I. Murphy**

**Laboratory Certification ID # 20012**

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# Cover Page

**Order ID :** P3440

**Project ID :** Former Schlumberger Site Princeton NJ

**Client :** JACOBS Engineering Group, Inc.

| Lab Sample Number | Client Sample Number |
|---|---|
| P3440-01 | 923-K1-WS-080124 |
| P3440-02 | 923-K1-WS-080124MS |
| P3440-03 | 923-K1-WS-080124MSD |
| P3440-04 | 922-K1-WS-080124 |
| P3440-05 | TB-01-080124 |

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 : N. N. Pandya

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 9:26 am, Dec 10, 2024*

Date: 10/30/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**JACOBS Engineering Group, Inc.**
**Project Name: Former Schlumberger Site Princeton NJ**
**Project # N/A**
**Chemtech Project # P3440**
**Test Name: Metals Group4,Mercury**

**A. Number of Samples and Date of Receipt:**
5 Water samples were received on 08/01/2024.

**B. Parameters:**
According to the Chain of Custody document, the following analyses were requested: Hexavalent Chromium, Mercury, Metals Group4, SVOC-SIMGroup1, SVOCMS Group3, SVOCMS Group6 and VOCMS Group6. This data package contains results for Metals Group4,Mercury.

**C. Analytical Techniques:**
The analysis of Metals Group4 was based on method 6020B, digestion based on method 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

**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 (923-K1-WS-080124MS) analysis met criteria for all samples except for Silver due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (923-K1-WS-080124MSD) analysis met criteria for all samples except for 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 data package has been revised due to the parameter list change as per client request.

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 N. N. Pandya

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 9:27 am, Dec 10, 2024*

284 Sheffield Street, Mountainside NJ 07092
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 |

QA Control # A3040961

## METALS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P3440 MATRIX: Water

METHOD: 6020D,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 (923-K1-WS-080124MS) analysis met criteria for all samples except for Silver due to Chemical Interference during Digestion Process. The Matrix Spike Duplicate (923-K1-WS-080124MSD) analysis met criteria for all samples except for 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 data package has been revised due to the parameter list change as per client request. 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.

S. M. Jodhani

QA REVIEW

**REVIEWED**
*By Sohil Jodhani, QA/QC Director at 9:19 am, Dec 10, 2024*

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

## APPENDIX A

## QA REVIEW GENERAL DOCUMENTATION

**Project #:** P3440

| | 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:** 10/30/2024

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | P3440 | **OrderDate:** | 8/1/2024 12:28:00 PM |
| **Client:** | JACOBS Engineering Group, Inc. | **Project:** | Former Schlumberger Site Princeton NJ |
| **Contact:** | Mary I. Murphy | **Location:** | D31,VOA Ref. #3 Water |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **P3440-01** | **923-K1-WS-080124** | **Water** | | | **08/01/24** | | | **08/01/24** |
| | | | Mercury | 7470A | | 08/12/24 | 08/13/24 | |
| | | | Metals Group4 | 6020B | | 08/23/24 | 08/25/24 | |
| | | | Metals Group5 | 200.7 | | 10/28/24 | 10/28/24 | |
| **P3440-04** | **922-K1-WS-080124** | **Water** | | | **08/01/24** | | | **08/01/24** |
| | | | Mercury | 7470A | | 08/12/24 | 08/13/24 | |
| | | | Metals Group4 | 6020B | | 08/23/24 | 08/25/24 | |
| | | | Metals Group5 | 200.7 | | 10/28/24 | 10/28/24 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** P3440 **Order ID:** P3440

**Client:** JACOBS Engineering Group, Inc. **Project ID:** Former Schlumberger Site Princeton NJ

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID : 923-K1-WS-080124** | | | | | | | | |
| P3440-01 | 923-K1-WS-080124 | Water | Aluminum | 62.5 | | 1.98 | 20.0 | ug/L |
| P3440-01 | 923-K1-WS-080124 | Water | Arsenic | 0.79 | J | 0.090 | 1.00 | ug/L |
| P3440-01 | 923-K1-WS-080124 | Water | Barium | 64.4 | | 0.30 | 10.0 | ug/L |
| P3440-01 | 923-K1-WS-080124 | Water | Calcium | 22300 | | 62.5 | 500 | ug/L |
| P3440-01 | 923-K1-WS-080124 | Water | Cobalt | 0.62 | J | 0.062 | 1.00 | ug/L |
| P3440-01 | 923-K1-WS-080124 | Water | Copper | 0.83 | J | 0.40 | 2.00 | ug/L |
| P3440-01 | 923-K1-WS-080124 | Water | Iron | 3220 | | 9.60 | 50.0 | ug/L |
| P3440-01 | 923-K1-WS-080124 | Water | Lead | 0.52 | J | 0.11 | 1.00 | ug/L |
| P3440-01 | 923-K1-WS-080124 | Water | Magnesium | 4260 | | 26.6 | 500 | ug/L |
| P3440-01 | 923-K1-WS-080124 | Water | Manganese | 859 | | 0.24 | 1.00 | ug/L |
| P3440-01 | 923-K1-WS-080124 | Water | Nickel | 0.65 | J | 0.18 | 1.00 | ug/L |
| P3440-01 | 923-K1-WS-080124 | Water | Potassium | 3940 | | 46.1 | 500 | ug/L |
| P3440-01 | 923-K1-WS-080124 | Water | Sodium | 96900 | | 85.8 | 500 | ug/L |
| P3440-01 | 923-K1-WS-080124 | Water | Vanadium | 0.53 | J | 0.072 | 5.00 | ug/L |
| P3440-01 | 923-K1-WS-080124 | Water | Zinc | 3.92 | J | 0.56 | 5.00 | ug/L |
| **Client ID : 922-K1-WS-080124** | | | | | | | | |
| P3440-04 | 922-K1-WS-080124 | Water | Aluminum | 54.2 | | 1.98 | 20.0 | ug/L |
| P3440-04 | 922-K1-WS-080124 | Water | Arsenic | 0.39 | J | 0.090 | 1.00 | ug/L |
| P3440-04 | 922-K1-WS-080124 | Water | Barium | 84.9 | | 0.30 | 10.0 | ug/L |
| P3440-04 | 922-K1-WS-080124 | Water | Calcium | 38500 | | 62.5 | 500 | ug/L |
| P3440-04 | 922-K1-WS-080124 | Water | Chromium | 0.50 | J | 0.40 | 2.00 | ug/L |
| P3440-04 | 922-K1-WS-080124 | Water | Cobalt | 5.23 | | 0.062 | 1.00 | ug/L |
| P3440-04 | 922-K1-WS-080124 | Water | Iron | 5110 | | 9.60 | 50.0 | ug/L |
| P3440-04 | 922-K1-WS-080124 | Water | Lead | 0.14 | J | 0.11 | 1.00 | ug/L |
| P3440-04 | 922-K1-WS-080124 | Water | Magnesium | 8650 | | 26.6 | 500 | ug/L |
| P3440-04 | 922-K1-WS-080124 | Water | Manganese | 1100 | | 0.24 | 1.00 | ug/L |
| P3440-04 | 922-K1-WS-080124 | Water | Nickel | 0.94 | J | 0.18 | 1.00 | ug/L |
| P3440-04 | 922-K1-WS-080124 | Water | Potassium | 6700 | | 46.1 | 500 | ug/L |
| P3440-04 | 922-K1-WS-080124 | Water | Sodium | 228000 | | 85.8 | 500 | ug/L |
| P3440-04 | 922-K1-WS-080124 | Water | Vanadium | 0.32 | J | 0.072 | 5.00 | ug/L |
| P3440-04 | 922-K1-WS-080124 | Water | Zinc | 20.8 | | 0.56 | 5.00 | ug/L |

# SAMPLE DATA

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | JACOBS Engineering Group, Inc. | Date Collected: | 08/01/24 |
| Project: | Former Schlumberger Site Princeton NJ | Date Received: | 08/01/24 |
| Client Sample ID: | 923-K1-WS-080124 | SDG No.: | P3440 |
| Lab Sample ID: | P3440-01 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 62.5 | | 1 | 1.98 | 20.0 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7440-36-0 | Antimony | 0.11 | U | 1 | 0.11 | 2.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7440-38-2 | Arsenic | 0.79 | J | 1 | 0.090 | 1.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7440-39-3 | Barium | 64.4 | | 1 | 0.30 | 10.0 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7440-41-7 | Beryllium | 0.16 | U | 1 | 0.16 | 1.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7440-43-9 | Cadmium | 0.30 | U | 1 | 0.30 | 1.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7440-70-2 | Calcium | 22300 | | 1 | 62.5 | 500 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7440-47-3 | Chromium | 0.40 | U | 1 | 0.40 | 2.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7440-48-4 | Cobalt | 0.62 | J | 1 | 0.062 | 1.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7440-50-8 | Copper | 0.83 | J | 1 | 0.40 | 2.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7439-89-6 | Iron | 3220 | | 1 | 9.60 | 50.0 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7439-92-1 | Lead | 0.52 | J | 1 | 0.11 | 1.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7439-95-4 | Magnesium | 4260 | | 1 | 26.6 | 500 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7439-96-5 | Manganese | 859 | | 1 | 0.24 | 1.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7439-97-6 | Mercury | 0.081 | U | 1 | 0.081 | 0.20 | ug/L | 08/12/24 16:13 | 08/13/24 10:23 | SW7470A | |
| 7440-02-0 | Nickel | 0.65 | J | 1 | 0.18 | 1.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7440-09-7 | Potassium | 3940 | | 1 | 46.1 | 500 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7782-49-2 | Selenium | 1.38 | U | 1 | 1.38 | 5.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7440-22-4 | Silver | 0.077 | UN | 1 | 0.077 | 1.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7440-23-5 | Sodium | 96900 | | 1 | 85.8 | 500 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7440-28-0 | Thallium | 0.085 | U | 1 | 0.085 | 1.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7440-62-2 | Vanadium | 0.53 | J | 1 | 0.072 | 5.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |
| 7440-66-6 | Zinc | 3.92 | J | 1 | 0.56 | 5.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:13 | SW6020 | 3010A |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | Medium |
| Color After: | Colorless | Clarity After: | N/A | Artifacts: | N/A |
| Comments: | 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: | JACOBS Engineering Group, Inc. | Date Collected: | 08/01/24 |
| Project: | Former Schlumberger Site Princeton NJ | Date Received: | 08/01/24 |
| Client Sample ID: | 922-K1-WS-080124 | SDG No.: | P3440 |
| Lab Sample ID: | P3440-04 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 54.2 | | 1 | 1.98 | 20.0 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7440-36-0 | Antimony | 0.11 | U | 1 | 0.11 | 2.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7440-38-2 | Arsenic | 0.39 | J | 1 | 0.090 | 1.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7440-39-3 | Barium | 84.9 | | 1 | 0.30 | 10.0 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7440-41-7 | Beryllium | 0.16 | U | 1 | 0.16 | 1.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7440-43-9 | Cadmium | 0.30 | U | 1 | 0.30 | 1.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7440-70-2 | Calcium | 38500 | | 1 | 62.5 | 500 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7440-47-3 | Chromium | 0.50 | J | 1 | 0.40 | 2.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7440-48-4 | Cobalt | 5.23 | | 1 | 0.062 | 1.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7440-50-8 | Copper | 0.40 | U | 1 | 0.40 | 2.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7439-89-6 | Iron | 5110 | | 1 | 9.60 | 50.0 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7439-92-1 | Lead | 0.14 | J | 1 | 0.11 | 1.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7439-95-4 | Magnesium | 8650 | | 1 | 26.6 | 500 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7439-96-5 | Manganese | 1100 | | 1 | 0.24 | 1.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7439-97-6 | Mercury | 0.081 | U | 1 | 0.081 | 0.20 | ug/L | 08/12/24 16:13 | 08/13/24 10:39 | SW7470A | |
| 7440-02-0 | Nickel | 0.94 | J | 1 | 0.18 | 1.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7440-09-7 | Potassium | 6700 | | 1 | 46.1 | 500 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7782-49-2 | Selenium | 1.38 | U | 1 | 1.38 | 5.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7440-22-4 | Silver | 0.077 | UN | 1 | 0.077 | 1.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7440-23-5 | Sodium | 228000 | | 1 | 85.8 | 500 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7440-28-0 | Thallium | 0.085 | U | 1 | 0.085 | 1.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7440-62-2 | Vanadium | 0.32 | J | 1 | 0.072 | 5.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |
| 7440-66-6 | Zinc | 20.8 | | 1 | 0.56 | 5.00 | ug/L | 08/23/24 15:00 | 08/25/24 18:22 | SW6020 | 3010A |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | Medium |
| Color After: | Colorless | Clarity After: | N/A | Artifacts: | N/A |
| Comments: | 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

# METAL CALIBRATION DATA

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

**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 |
|---|---|---|---|---|---|---|---|---|---|
| ICV72 | Mercury | 4.01 | 4.0 | 100 | 90 - 110 | CV | 08/13/2024 | 08:53 | LB131960 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

**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 |
|---|---|---|---|---|---|---|---|---|---|
| CCV35 | Mercury | 4.53 | 5.0 | 91 | 90 - 110 | CV | 08/13/2024 | 08:58 | LB131960 |
| CCV36 | Mercury | 4.77 | 5.0 | 95 | 90 - 110 | CV | 08/13/2024 | 09:33 | LB131960 |
| CCV37 | Mercury | 4.95 | 5.0 | 99 | 90 - 110 | CV | 08/13/2024 | 10:00 | LB131960 |
| CCV38 | Mercury | 4.86 | 5.0 | 97 | 90 - 110 | CV | 08/13/2024 | 10:30 | LB131960 |
| CCV39 | Mercury | 5.18 | 5.0 | 104 | 90 - 110 | CV | 08/13/2024 | 10:58 | LB131960 |
| CCV40 | Mercury | 5.09 | 5.0 | 102 | 90 - 110 | CV | 08/13/2024 | 11:24 | LB131960 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** PLASMA-PURE

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| ICV01 | Aluminum | 494 | 500 | 99 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Antimony | 187 | 200 | 93 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Arsenic | 195 | 200 | 97 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Barium | 93.7 | 100 | 94 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Beryllium | 106 | 100 | 106 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Cadmium | 103 | 100 | 103 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Calcium | 2180 | 2000 | 109 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Chromium | 97.2 | 100 | 97 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Cobalt | 98.1 | 100 | 98 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Copper | 99.5 | 100 | 100 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Iron | 2100 | 2000 | 105 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Lead | 189 | 200 | 94 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Magnesium | 1150 | 1200 | 96 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Manganese | 98.8 | 100 | 99 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Nickel | 107 | 110 | 97 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Potassium | 2070 | 2000 | 103 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Selenium | 197 | 200 | 98 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Silver | 48.7 | 50.0 | 98 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Sodium | 2060 | 2000 | 103 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Thallium | 205 | 210 | 98 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Vanadium | 94.6 | 100 | 95 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |
| | Zinc | 200 | 200 | 100 | 90 - 110 | P | 08/25/2024 | 16:38 | LB132155 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

**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 |
|---|---|---|---|---|---|---|---|---|---|
| LLICV | Aluminum | 19.3 | 20.0 | 97 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Antimony | 1.91 | 2.0 | 96 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Arsenic | 0.97 | 1.0 | 97 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Barium | 9.43 | 10.0 | 94 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Beryllium | 1.11 | 1.0 | 111 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Cadmium | 0.88 | 1.0 | 88 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Calcium | 543 | 500 | 109 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Chromium | 1.79 | 2.0 | 90 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Cobalt | 1.05 | 1.0 | 105 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Copper | 2.00 | 2.0 | 100 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Iron | 57.4 | 50.0 | 115 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Lead | 0.82 | 1.0 | 82 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Magnesium | 524 | 500 | 105 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Manganese | 0.92 | 1.0 | 92 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Nickel | 0.85 | 1.0 | 85 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Potassium | 546 | 500 | 109 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Selenium | 5.25 | 5.0 | 105 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Silver | 1.00 | 1.0 | 100 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Sodium | 541 | 500 | 108 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Thallium | 0.85 | 1.0 | 85 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Vanadium | 5.09 | 5.0 | 102 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |
| | Zinc | 4.65 | 5.0 | 93 | 80 - 120 | P | 08/25/2024 | 17:02 | LB132155 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** PLASMA-PURE

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CCV01 | Aluminum | 49900 | 50000 | 100 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Antimony | 510 | 500 | 102 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Arsenic | 486 | 500 | 97 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Barium | 2460 | 2500 | 98 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Beryllium | 527 | 500 | 105 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Cadmium | 464 | 500 | 93 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Calcium | 255000 | 250000 | 102 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Chromium | 489 | 500 | 98 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Cobalt | 474 | 500 | 95 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Copper | 4740 | 5000 | 95 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Iron | 127000 | 125000 | 102 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Lead | 2460 | 2500 | 98 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Magnesium | 251000 | 250000 | 101 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Manganese | 4830 | 5000 | 97 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Nickel | 469 | 500 | 94 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Potassium | 126000 | 125000 | 100 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Selenium | 476 | 500 | 95 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Silver | 474 | 500 | 95 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Sodium | 258000 | 250000 | 103 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Thallium | 490 | 500 | 98 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Vanadium | 495 | 500 | 99 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| | Zinc | 4690 | 5000 | 94 | 90 - 110 | P | 08/25/2024 | 17:14 | LB132155 |
| CCV02 | Aluminum | 50300 | 50000 | 101 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Antimony | 500 | 500 | 100 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Arsenic | 480 | 500 | 96 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Barium | 2400 | 2500 | 96 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Beryllium | 520 | 500 | 104 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Cadmium | 461 | 500 | 92 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Calcium | 254000 | 250000 | 102 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Chromium | 486 | 500 | 97 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Cobalt | 471 | 500 | 94 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Copper | 4740 | 5000 | 95 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Iron | 126000 | 125000 | 101 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Lead | 2440 | 2500 | 98 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** PLASMA-PURE

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CCV02 | Magnesium | 253000 | 250000 | 101 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Manganese | 4790 | 5000 | 96 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Nickel | 468 | 500 | 94 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Potassium | 127000 | 125000 | 101 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Selenium | 469 | 500 | 94 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Silver | 469 | 500 | 94 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Sodium | 258000 | 250000 | 103 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Thallium | 494 | 500 | 99 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Vanadium | 496 | 500 | 99 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| | Zinc | 4700 | 5000 | 94 | 90 - 110 | P | 08/25/2024 | 18:03 | LB132155 |
| CCV03 | Aluminum | 49400 | 50000 | 99 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Antimony | 486 | 500 | 97 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Arsenic | 491 | 500 | 98 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Barium | 2390 | 2500 | 96 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Beryllium | 501 | 500 | 100 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Cadmium | 469 | 500 | 94 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Calcium | 250000 | 250000 | 100 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Chromium | 480 | 500 | 96 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Cobalt | 469 | 500 | 94 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Copper | 4740 | 5000 | 95 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Iron | 125000 | 125000 | 100 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Lead | 2440 | 2500 | 97 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Magnesium | 246000 | 250000 | 98 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Manganese | 4730 | 5000 | 94 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Nickel | 459 | 500 | 92 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Potassium | 124000 | 125000 | 99 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Selenium | 486 | 500 | 97 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Silver | 478 | 500 | 96 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Sodium | 254000 | 250000 | 102 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Thallium | 493 | 500 | 99 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Vanadium | 485 | 500 | 97 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| | Zinc | 4750 | 5000 | 95 | 90 - 110 | P | 08/25/2024 | 18:43 | LB132155 |
| CCV04 | Aluminum | 50000 | 50000 | 100 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Antimony | 513 | 500 | 102 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |

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# Metals

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

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** PLASMA-PURE

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CCV04 | Arsenic | 494 | 500 | 99 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Barium | 2520 | 2500 | 101 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Beryllium | 521 | 500 | 104 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Cadmium | 489 | 500 | 98 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Calcium | 254000 | 250000 | 101 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Chromium | 489 | 500 | 98 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Cobalt | 483 | 500 | 97 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Copper | 4850 | 5000 | 97 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Iron | 127000 | 125000 | 102 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Lead | 2450 | 2500 | 98 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Magnesium | 250000 | 250000 | 100 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Manganese | 4810 | 5000 | 96 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Nickel | 472 | 500 | 94 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Potassium | 125000 | 125000 | 100 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Selenium | 489 | 500 | 98 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Silver | 495 | 500 | 99 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Sodium | 254000 | 250000 | 102 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Thallium | 491 | 500 | 98 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Vanadium | 495 | 500 | 99 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| | Zinc | 4830 | 5000 | 97 | 90 - 110 | P | 08/25/2024 | 19:27 | LB132155 |
| CCV05 | Aluminum | 49700 | 50000 | 99 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Antimony | 496 | 500 | 99 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Arsenic | 487 | 500 | 97 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Barium | 2420 | 2500 | 97 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Beryllium | 519 | 500 | 104 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Cadmium | 476 | 500 | 95 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Calcium | 252000 | 250000 | 101 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Chromium | 491 | 500 | 98 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Cobalt | 489 | 500 | 98 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Copper | 4840 | 5000 | 97 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Iron | 127000 | 125000 | 102 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Lead | 2460 | 2500 | 98 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Magnesium | 249000 | 250000 | 100 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Manganese | 4810 | 5000 | 96 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |

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# Metals

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

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

**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 |
|---|---|---|---|---|---|---|---|---|---|
| CCV05 | Nickel | 470 | 500 | 94 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Potassium | 125000 | 125000 | 100 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Selenium | 484 | 500 | 97 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Silver | 486 | 500 | 97 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Sodium | 255000 | 250000 | 102 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Thallium | 496 | 500 | 99 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Vanadium | 499 | 500 | 100 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| | Zinc | 4840 | 5000 | 97 | 90 - 110 | P | 08/25/2024 | 20:14 | LB132155 |
| CCV06 | Aluminum | 50000 | 50000 | 100 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Antimony | 493 | 500 | 99 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Arsenic | 483 | 500 | 96 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Barium | 2400 | 2500 | 96 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Beryllium | 504 | 500 | 101 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Cadmium | 471 | 500 | 94 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Calcium | 252000 | 250000 | 101 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Chromium | 483 | 500 | 97 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Cobalt | 475 | 500 | 95 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Copper | 4800 | 5000 | 96 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Iron | 127000 | 125000 | 102 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Lead | 2440 | 2500 | 98 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Magnesium | 250000 | 250000 | 100 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Manganese | 4800 | 5000 | 96 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Nickel | 463 | 500 | 92 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Potassium | 123000 | 125000 | 99 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Selenium | 481 | 500 | 96 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Silver | 477 | 500 | 95 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Sodium | 254000 | 250000 | 102 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Thallium | 487 | 500 | 97 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Vanadium | 491 | 500 | 98 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| | Zinc | 4830 | 5000 | 96 | 90 - 110 | P | 08/25/2024 | 21:02 | LB132155 |
| CCV07 | Aluminum | 49600 | 50000 | 99 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Antimony | 488 | 500 | 98 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Arsenic | 471 | 500 | 94 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Barium | 2440 | 2500 | 98 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

**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 |
|---|---|---|---|---|---|---|---|---|---|
| CCV07 | Beryllium | 504 | 500 | 101 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Cadmium | 468 | 500 | 94 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Calcium | 252000 | 250000 | 101 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Chromium | 482 | 500 | 96 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Cobalt | 474 | 500 | 95 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Copper | 4710 | 5000 | 94 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Iron | 127000 | 125000 | 101 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Lead | 2470 | 2500 | 99 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Magnesium | 246000 | 250000 | 98 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Manganese | 4720 | 5000 | 94 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Nickel | 463 | 500 | 93 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Potassium | 124000 | 125000 | 99 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Selenium | 475 | 500 | 95 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Silver | 475 | 500 | 95 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Sodium | 253000 | 250000 | 101 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Thallium | 499 | 500 | 100 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Vanadium | 488 | 500 | 98 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| | Zinc | 4740 | 5000 | 95 | 90 - 110 | P | 08/25/2024 | 21:47 | LB132155 |
| CCV08 | Aluminum | 49700 | 50000 | 100 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Antimony | 489 | 500 | 98 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Arsenic | 477 | 500 | 95 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Barium | 2410 | 2500 | 96 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Beryllium | 508 | 500 | 102 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Cadmium | 467 | 500 | 93 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Calcium | 255000 | 250000 | 102 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Chromium | 484 | 500 | 97 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Cobalt | 479 | 500 | 96 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Copper | 4790 | 5000 | 96 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Iron | 128000 | 125000 | 102 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Lead | 2460 | 2500 | 98 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Magnesium | 248000 | 250000 | 99 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Manganese | 4780 | 5000 | 96 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Nickel | 466 | 500 | 93 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Potassium | 125000 | 125000 | 100 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |

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# Metals

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

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

**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 |
|---|---|---|---|---|---|---|---|---|---|
| CCV08 | Selenium | 470 | 500 | 94 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Silver | 480 | 500 | 96 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Sodium | 251000 | 250000 | 100 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Thallium | 494 | 500 | 99 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Vanadium | 494 | 500 | 99 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| | Zinc | 4770 | 5000 | 95 | 90 - 110 | P | 08/25/2024 | 22:31 | LB132155 |
| CCV09 | Aluminum | 51800 | 50000 | 104 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Antimony | 508 | 500 | 102 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Arsenic | 483 | 500 | 96 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Barium | 2440 | 2500 | 98 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Beryllium | 534 | 500 | 107 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Cadmium | 485 | 500 | 97 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Calcium | 248000 | 250000 | 99 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Chromium | 487 | 500 | 97 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Cobalt | 480 | 500 | 96 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Copper | 4980 | 5000 | 100 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Iron | 127000 | 125000 | 101 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Lead | 2470 | 2500 | 99 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Magnesium | 246000 | 250000 | 98 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Manganese | 4830 | 5000 | 96 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Nickel | 467 | 500 | 94 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Potassium | 124000 | 125000 | 99 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Selenium | 495 | 500 | 99 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Silver | 499 | 500 | 100 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Sodium | 251000 | 250000 | 100 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Thallium | 507 | 500 | 101 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Vanadium | 495 | 500 | 99 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| | Zinc | 4930 | 5000 | 98 | 90 - 110 | P | 08/25/2024 | 23:34 | LB132155 |
| CCV10 | Aluminum | 52300 | 50000 | 105 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Antimony | 501 | 500 | 100 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Arsenic | 475 | 500 | 95 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Barium | 2410 | 2500 | 96 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Beryllium | 529 | 500 | 106 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Cadmium | 472 | 500 | 94 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |

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# Metals

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

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

**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 |
|---|---|---|---|---|---|---|---|---|---|
| CCV10 | Calcium | 246000 | 250000 | 98 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Chromium | 485 | 500 | 97 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Cobalt | 483 | 500 | 96 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Copper | 4970 | 5000 | 99 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Iron | 128000 | 125000 | 102 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Lead | 2440 | 2500 | 98 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Magnesium | 247000 | 250000 | 99 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Manganese | 4880 | 5000 | 98 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Nickel | 464 | 500 | 93 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Potassium | 123000 | 125000 | 98 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Selenium | 481 | 500 | 96 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Silver | 492 | 500 | 98 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Sodium | 251000 | 250000 | 100 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Thallium | 491 | 500 | 98 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Vanadium | 494 | 500 | 99 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| | Zinc | 4850 | 5000 | 97 | 90 - 110 | P | 08/26/2024 | 00:42 | LB132155 |
| CCV11 | Aluminum | 52200 | 50000 | 104 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Antimony | 502 | 500 | 100 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Arsenic | 475 | 500 | 95 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Barium | 2420 | 2500 | 97 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Beryllium | 517 | 500 | 104 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Cadmium | 478 | 500 | 96 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Calcium | 249000 | 250000 | 100 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Chromium | 488 | 500 | 98 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Cobalt | 481 | 500 | 96 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Copper | 5040 | 5000 | 101 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Iron | 127000 | 125000 | 102 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Lead | 2420 | 2500 | 97 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Magnesium | 249000 | 250000 | 100 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Manganese | 4880 | 5000 | 98 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Nickel | 470 | 500 | 94 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Potassium | 123000 | 125000 | 98 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Selenium | 477 | 500 | 95 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Silver | 489 | 500 | 98 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

**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 |
|---|---|---|---|---|---|---|---|---|---|
| CCV11 | Sodium | 255000 | 250000 | 102 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Thallium | 493 | 500 | 99 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Vanadium | 494 | 500 | 99 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |
| | Zinc | 4940 | 5000 | 99 | 90 - 110 | P | 08/26/2024 | 01:17 | LB132155 |

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# Metals

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

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

**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 | 0.24 | 0.2 | 118 | 40 - 160 | CV | 08/13/2024 | 09:10 | LB131960 |
| CRI | Aluminum | 20.3 | 20.0 | 102 | 70 - 130 | P | 08/25/2024 | 17:26 | LB132155 |
| | Antimony | 1.95 | 2.0 | 98 | 70 - 130 | P | 08/25/2024 | 17:26 | LB132155 |
| | Arsenic | 1.13 | 1.0 | 113 | 70 - 130 | P | 08/25/2024 | 17:26 | LB132155 |
| | Barium | 9.42 | 10.0 | 94 | 70 - 130 | P | 08/25/2024 | 17:26 | LB132155 |
| | Beryllium | 1.12 | 1.0 | 112 | 70 - 130 | P | 08/25/2024 | 17:26 | LB132155 |
| | Cadmium | 0.88 | 1.0 | 88 | 70 - 130 | P | 08/25/2024 | 17:26 | LB132155 |
| | Calcium | 553 | 500 | 110 | 70 - 130 | P | 08/25/2024 | 17:26 | LB132155 |
| | Chromium | 1.77 | 2.0 | 88 | 70 - 130 | P | 08/25/2024 | 17:26 | LB132155 |
| | Cobalt | 1.06 | 1.0 | 106 | 50 - 150 | P | 08/25/2024 | 17:26 | LB132155 |
| | Copper | 2.06 | 2.0 | 103 | 70 - 130 | P | 08/25/2024 | 17:26 | LB132155 |
| | Iron | 57.0 | 50.0 | 114 | 70 - 130 | P | 08/25/2024 | 17:26 | LB132155 |
| | Lead | 0.88 | 1.0 | 88 | 70 - 130 | P | 08/25/2024 | 17:26 | LB132155 |
| | Magnesium | 528 | 500 | 106 | 70 - 130 | P | 08/25/2024 | 17:26 | LB132155 |
| | Manganese | 0.99 | 1.0 | 99 | 50 - 150 | P | 08/25/2024 | 17:26 | LB132155 |
| | Nickel | 0.88 | 1.0 | 88 | 70 - 130 | P | 08/25/2024 | 17:26 | LB132155 |
| | Potassium | 541 | 500 | 108 | 70 - 130 | P | 08/25/2024 | 17:26 | LB132155 |
| | Selenium | 5.09 | 5.0 | 102 | 70 - 130 | P | 08/25/2024 | 17:26 | LB132155 |
| | Silver | 0.97 | 1.0 | 97 | 70 - 130 | P | 08/25/2024 | 17:26 | LB132155 |
| | Sodium | 557 | 500 | 112 | 70 - 130 | P | 08/25/2024 | 17:26 | LB132155 |
| | Thallium | 0.87 | 1.0 | 87 | 70 - 130 | P | 08/25/2024 | 17:26 | LB132155 |
| | Vanadium | 5.03 | 5.0 | 101 | 70 - 130 | P | 08/25/2024 | 17:26 | LB132155 |
| | Zinc | 4.84 | 5.0 | 97 | 50 - 150 | P | 08/25/2024 | 17:26 | LB132155 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **ICB72** | Mercury | 0.20 | +/-0.20 | U | 0.20 | CV | 08/13/2024 | 08:55 | LB131960 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB35** | Mercury | 0.20 | +/-0.20 | U | 0.20 | CV | 08/13/2024 | 09:03 | LB131960 |
| **CCB36** | Mercury | 0.20 | +/-0.20 | U | 0.20 | CV | 08/13/2024 | 09:35 | LB131960 |
| **CCB37** | Mercury | 0.20 | +/-0.20 | U | 0.20 | CV | 08/13/2024 | 10:05 | LB131960 |
| **CCB38** | Mercury | 0.20 | +/-0.20 | U | 0.20 | CV | 08/13/2024 | 10:35 | LB131960 |
| **CCB39** | Mercury | 0.20 | +/-0.20 | U | 0.20 | CV | 08/13/2024 | 11:04 | LB131960 |
| **CCB40** | Mercury | 0.20 | +/-0.20 | U | 0.20 | CV | 08/13/2024 | 11:26 | LB131960 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| ICB01 | Aluminum | 20.0 | +/-20.0 | U | 20.0 | P | 08/25/2024 | 17:05 | LB132155 |
| | Antimony | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 17:05 | LB132155 |
| | Arsenic | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 17:05 | LB132155 |
| | Barium | 10.0 | +/-10.0 | U | 10.0 | P | 08/25/2024 | 17:05 | LB132155 |
| | Beryllium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 17:05 | LB132155 |
| | Cadmium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 17:05 | LB132155 |
| | Calcium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 17:05 | LB132155 |
| | Chromium | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 17:05 | LB132155 |
| | Cobalt | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 17:05 | LB132155 |
| | Copper | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 17:05 | LB132155 |
| | Iron | 50.0 | +/-50.0 | U | 50.0 | P | 08/25/2024 | 17:05 | LB132155 |
| | Lead | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 17:05 | LB132155 |
| | Magnesium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 17:05 | LB132155 |
| | Manganese | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 17:05 | LB132155 |
| | Nickel | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 17:05 | LB132155 |
| | Potassium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 17:05 | LB132155 |
| | Selenium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 17:05 | LB132155 |
| | Silver | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 17:05 | LB132155 |
| | Sodium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 17:05 | LB132155 |
| | Thallium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 17:05 | LB132155 |
| | Vanadium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 17:05 | LB132155 |
| | Zinc | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 17:05 | LB132155 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB01** | Aluminum | 20.0 | +/-20.0 | U | 20.0 | P | 08/25/2024 | 17:23 | LB132155 |
| | Antimony | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 17:23 | LB132155 |
| | Arsenic | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 17:23 | LB132155 |
| | Barium | 10.0 | +/-10.0 | U | 10.0 | P | 08/25/2024 | 17:23 | LB132155 |
| | Beryllium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 17:23 | LB132155 |
| | Cadmium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 17:23 | LB132155 |
| | Calcium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 17:23 | LB132155 |
| | Chromium | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 17:23 | LB132155 |
| | Cobalt | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 17:23 | LB132155 |
| | Copper | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 17:23 | LB132155 |
| | Iron | 50.0 | +/-50.0 | U | 50.0 | P | 08/25/2024 | 17:23 | LB132155 |
| | Lead | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 17:23 | LB132155 |
| | Magnesium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 17:23 | LB132155 |
| | Manganese | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 17:23 | LB132155 |
| | Nickel | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 17:23 | LB132155 |
| | Potassium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 17:23 | LB132155 |
| | Selenium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 17:23 | LB132155 |
| | Silver | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 17:23 | LB132155 |
| | Sodium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 17:23 | LB132155 |
| | Thallium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 17:23 | LB132155 |
| | Vanadium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 17:23 | LB132155 |
| | Zinc | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 17:23 | LB132155 |
| **CCB02** | Aluminum | 20.0 | +/-20.0 | U | 20.0 | P | 08/25/2024 | 18:09 | LB132155 |
| | Antimony | 0.14 | +/-2.00 | J | 2.00 | P | 08/25/2024 | 18:09 | LB132155 |
| | Arsenic | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 18:09 | LB132155 |
| | Barium | 10.0 | +/-10.0 | U | 10.0 | P | 08/25/2024 | 18:09 | LB132155 |
| | Beryllium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 18:09 | LB132155 |
| | Cadmium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 18:09 | LB132155 |
| | Calcium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 18:09 | LB132155 |
| | Chromium | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 18:09 | LB132155 |
| | Cobalt | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 18:09 | LB132155 |
| | Copper | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 18:09 | LB132155 |
| | Iron | 50.0 | +/-50.0 | U | 50.0 | P | 08/25/2024 | 18:09 | LB132155 |
| | Lead | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 18:09 | LB132155 |
| | Magnesium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 18:09 | LB132155 |
| | Manganese | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 18:09 | LB132155 |
| | Nickel | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 18:09 | LB132155 |
| | Potassium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 18:09 | LB132155 |
| | Selenium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 18:09 | LB132155 |

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

# Metals

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CCB02 | Silver | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 18:09 | LB132155 |
| | Sodium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 18:09 | LB132155 |
| | Thallium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 18:09 | LB132155 |
| | Vanadium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 18:09 | LB132155 |
| | Zinc | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 18:09 | LB132155 |
| CCB03 | Aluminum | 20.0 | +/-20.0 | U | 20.0 | P | 08/25/2024 | 18:49 | LB132155 |
| | Antimony | 0.20 | +/-2.00 | J | 2.00 | P | 08/25/2024 | 18:49 | LB132155 |
| | Arsenic | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 18:49 | LB132155 |
| | Barium | 10.0 | +/-10.0 | U | 10.0 | P | 08/25/2024 | 18:49 | LB132155 |
| | Beryllium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 18:49 | LB132155 |
| | Cadmium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 18:49 | LB132155 |
| | Calcium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 18:49 | LB132155 |
| | Chromium | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 18:49 | LB132155 |
| | Cobalt | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 18:49 | LB132155 |
| | Copper | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 18:49 | LB132155 |
| | Iron | 50.0 | +/-50.0 | U | 50.0 | P | 08/25/2024 | 18:49 | LB132155 |
| | Lead | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 18:49 | LB132155 |
| | Magnesium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 18:49 | LB132155 |
| | Manganese | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 18:49 | LB132155 |
| | Nickel | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 18:49 | LB132155 |
| | Potassium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 18:49 | LB132155 |
| | Selenium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 18:49 | LB132155 |
| | Silver | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 18:49 | LB132155 |
| | Sodium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 18:49 | LB132155 |
| | Thallium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 18:49 | LB132155 |
| | Vanadium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 18:49 | LB132155 |
| | Zinc | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 18:49 | LB132155 |
| CCB04 | Aluminum | 20.0 | +/-20.0 | U | 20.0 | P | 08/25/2024 | 19:33 | LB132155 |
| | Antimony | 0.15 | +/-2.00 | J | 2.00 | P | 08/25/2024 | 19:33 | LB132155 |
| | Arsenic | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 19:33 | LB132155 |
| | Barium | 10.0 | +/-10.0 | U | 10.0 | P | 08/25/2024 | 19:33 | LB132155 |
| | Beryllium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 19:33 | LB132155 |
| | Cadmium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 19:33 | LB132155 |
| | Calcium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 19:33 | LB132155 |
| | Chromium | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 19:33 | LB132155 |
| | Cobalt | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 19:33 | LB132155 |
| | Copper | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 19:33 | LB132155 |
| | Iron | 50.0 | +/-50.0 | U | 50.0 | P | 08/25/2024 | 19:33 | LB132155 |
| | Lead | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 19:33 | LB132155 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB04** | Magnesium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 19:33 | LB132155 |
| | Manganese | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 19:33 | LB132155 |
| | Nickel | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 19:33 | LB132155 |
| | Potassium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 19:33 | LB132155 |
| | Selenium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 19:33 | LB132155 |
| | Silver | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 19:33 | LB132155 |
| | Sodium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 19:33 | LB132155 |
| | Thallium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 19:33 | LB132155 |
| | Vanadium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 19:33 | LB132155 |
| | Zinc | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 19:33 | LB132155 |
| **CCB05** | Aluminum | 20.0 | +/-20.0 | U | 20.0 | P | 08/25/2024 | 20:29 | LB132155 |
| | Antimony | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 20:29 | LB132155 |
| | Arsenic | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 20:29 | LB132155 |
| | Barium | 10.0 | +/-10.0 | U | 10.0 | P | 08/25/2024 | 20:29 | LB132155 |
| | Beryllium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 20:29 | LB132155 |
| | Cadmium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 20:29 | LB132155 |
| | Calcium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 20:29 | LB132155 |
| | Chromium | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 20:29 | LB132155 |
| | Cobalt | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 20:29 | LB132155 |
| | Copper | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 20:29 | LB132155 |
| | Iron | 50.0 | +/-50.0 | U | 50.0 | P | 08/25/2024 | 20:29 | LB132155 |
| | Lead | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 20:29 | LB132155 |
| | Magnesium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 20:29 | LB132155 |
| | Manganese | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 20:29 | LB132155 |
| | Nickel | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 20:29 | LB132155 |
| | Potassium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 20:29 | LB132155 |
| | Selenium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 20:29 | LB132155 |
| | Silver | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 20:29 | LB132155 |
| | Sodium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 20:29 | LB132155 |
| | Thallium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 20:29 | LB132155 |
| | Vanadium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 20:29 | LB132155 |
| | Zinc | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 20:29 | LB132155 |
| **CCB06** | Aluminum | 20.0 | +/-20.0 | U | 20.0 | P | 08/25/2024 | 21:14 | LB132155 |
| | Antimony | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 21:14 | LB132155 |
| | Arsenic | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 21:14 | LB132155 |
| | Barium | 10.0 | +/-10.0 | U | 10.0 | P | 08/25/2024 | 21:14 | LB132155 |
| | Beryllium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 21:14 | LB132155 |
| | Cadmium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 21:14 | LB132155 |
| | Calcium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 21:14 | LB132155 |

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

# Metals

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB06** | Chromium | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 21:14 | LB132155 |
| | Cobalt | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 21:14 | LB132155 |
| | Copper | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 21:14 | LB132155 |
| | Iron | 50.0 | +/-50.0 | U | 50.0 | P | 08/25/2024 | 21:14 | LB132155 |
| | Lead | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 21:14 | LB132155 |
| | Magnesium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 21:14 | LB132155 |
| | Manganese | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 21:14 | LB132155 |
| | Nickel | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 21:14 | LB132155 |
| | Potassium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 21:14 | LB132155 |
| | Selenium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 21:14 | LB132155 |
| | Silver | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 21:14 | LB132155 |
| | Sodium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 21:14 | LB132155 |
| | Thallium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 21:14 | LB132155 |
| | Vanadium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 21:14 | LB132155 |
| | Zinc | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 21:14 | LB132155 |
| **CCB07** | Aluminum | 20.0 | +/-20.0 | U | 20.0 | P | 08/25/2024 | 21:55 | LB132155 |
| | Antimony | 0.13 | +/-2.00 | J | 2.00 | P | 08/25/2024 | 21:55 | LB132155 |
| | Arsenic | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 21:55 | LB132155 |
| | Barium | 10.0 | +/-10.0 | U | 10.0 | P | 08/25/2024 | 21:55 | LB132155 |
| | Beryllium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 21:55 | LB132155 |
| | Cadmium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 21:55 | LB132155 |
| | Calcium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 21:55 | LB132155 |
| | Chromium | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 21:55 | LB132155 |
| | Cobalt | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 21:55 | LB132155 |
| | Copper | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 21:55 | LB132155 |
| | Iron | 50.0 | +/-50.0 | U | 50.0 | P | 08/25/2024 | 21:55 | LB132155 |
| | Lead | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 21:55 | LB132155 |
| | Magnesium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 21:55 | LB132155 |
| | Manganese | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 21:55 | LB132155 |
| | Nickel | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 21:55 | LB132155 |
| | Potassium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 21:55 | LB132155 |
| | Selenium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 21:55 | LB132155 |
| | Silver | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 21:55 | LB132155 |
| | Sodium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 21:55 | LB132155 |
| | Thallium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 21:55 | LB132155 |
| | Vanadium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 21:55 | LB132155 |
| | Zinc | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 21:55 | LB132155 |
| **CCB08** | Aluminum | 20.0 | +/-20.0 | U | 20.0 | P | 08/25/2024 | 22:50 | LB132155 |
| | Antimony | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 22:50 | LB132155 |

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

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB08** | Arsenic | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 22:50 | LB132155 |
| | Barium | 10.0 | +/-10.0 | U | 10.0 | P | 08/25/2024 | 22:50 | LB132155 |
| | Beryllium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 22:50 | LB132155 |
| | Cadmium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 22:50 | LB132155 |
| | Calcium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 22:50 | LB132155 |
| | Chromium | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 22:50 | LB132155 |
| | Cobalt | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 22:50 | LB132155 |
| | Copper | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 22:50 | LB132155 |
| | Iron | 50.0 | +/-50.0 | U | 50.0 | P | 08/25/2024 | 22:50 | LB132155 |
| | Lead | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 22:50 | LB132155 |
| | Magnesium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 22:50 | LB132155 |
| | Manganese | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 22:50 | LB132155 |
| | Nickel | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 22:50 | LB132155 |
| | Potassium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 22:50 | LB132155 |
| | Selenium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 22:50 | LB132155 |
| | Silver | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 22:50 | LB132155 |
| | Sodium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 22:50 | LB132155 |
| | Thallium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 22:50 | LB132155 |
| | Vanadium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 22:50 | LB132155 |
| | Zinc | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 22:50 | LB132155 |
| **CCB09** | Aluminum | 20.0 | +/-20.0 | U | 20.0 | P | 08/25/2024 | 23:43 | LB132155 |
| | Antimony | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 23:43 | LB132155 |
| | Arsenic | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 23:43 | LB132155 |
| | Barium | 10.0 | +/-10.0 | U | 10.0 | P | 08/25/2024 | 23:43 | LB132155 |
| | Beryllium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 23:43 | LB132155 |
| | Cadmium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 23:43 | LB132155 |
| | Calcium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 23:43 | LB132155 |
| | Chromium | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 23:43 | LB132155 |
| | Cobalt | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 23:43 | LB132155 |
| | Copper | 2.00 | +/-2.00 | U | 2.00 | P | 08/25/2024 | 23:43 | LB132155 |
| | Iron | 50.0 | +/-50.0 | U | 50.0 | P | 08/25/2024 | 23:43 | LB132155 |
| | Lead | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 23:43 | LB132155 |
| | Magnesium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 23:43 | LB132155 |
| | Manganese | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 23:43 | LB132155 |
| | Nickel | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 23:43 | LB132155 |
| | Potassium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 23:43 | LB132155 |
| | Selenium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 23:43 | LB132155 |
| | Silver | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 23:43 | LB132155 |
| | Sodium | 500 | +/-500 | U | 500 | P | 08/25/2024 | 23:43 | LB132155 |

Alliance TECHNICAL GROUP
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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CCB09 | Thallium | 1.00 | +/-1.00 | U | 1.00 | P | 08/25/2024 | 23:43 | LB132155 |
| | Vanadium | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 23:43 | LB132155 |
| | Zinc | 5.00 | +/-5.00 | U | 5.00 | P | 08/25/2024 | 23:43 | LB132155 |
| CCB10 | Aluminum | 20.0 | +/-20.0 | U | 20.0 | P | 08/26/2024 | 00:52 | LB132155 |
| | Antimony | 2.00 | +/-2.00 | U | 2.00 | P | 08/26/2024 | 00:52 | LB132155 |
| | Arsenic | 1.00 | +/-1.00 | U | 1.00 | P | 08/26/2024 | 00:52 | LB132155 |
| | Barium | 10.0 | +/-10.0 | U | 10.0 | P | 08/26/2024 | 00:52 | LB132155 |
| | Beryllium | 1.00 | +/-1.00 | U | 1.00 | P | 08/26/2024 | 00:52 | LB132155 |
| | Cadmium | 1.00 | +/-1.00 | U | 1.00 | P | 08/26/2024 | 00:52 | LB132155 |
| | Calcium | 500 | +/-500 | U | 500 | P | 08/26/2024 | 00:52 | LB132155 |
| | Chromium | 2.00 | +/-2.00 | U | 2.00 | P | 08/26/2024 | 00:52 | LB132155 |
| | Cobalt | 1.00 | +/-1.00 | U | 1.00 | P | 08/26/2024 | 00:52 | LB132155 |
| | Copper | 2.00 | +/-2.00 | U | 2.00 | P | 08/26/2024 | 00:52 | LB132155 |
| | Iron | 50.0 | +/-50.0 | U | 50.0 | P | 08/26/2024 | 00:52 | LB132155 |
| | Lead | 1.00 | +/-1.00 | U | 1.00 | P | 08/26/2024 | 00:52 | LB132155 |
| | Magnesium | 500 | +/-500 | U | 500 | P | 08/26/2024 | 00:52 | LB132155 |
| | Manganese | 1.00 | +/-1.00 | U | 1.00 | P | 08/26/2024 | 00:52 | LB132155 |
| | Nickel | 1.00 | +/-1.00 | U | 1.00 | P | 08/26/2024 | 00:52 | LB132155 |
| | Potassium | 500 | +/-500 | U | 500 | P | 08/26/2024 | 00:52 | LB132155 |
| | Selenium | 5.00 | +/-5.00 | U | 5.00 | P | 08/26/2024 | 00:52 | LB132155 |
| | Silver | 1.00 | +/-1.00 | U | 1.00 | P | 08/26/2024 | 00:52 | LB132155 |
| | Sodium | 500 | +/-500 | U | 500 | P | 08/26/2024 | 00:52 | LB132155 |
| | Thallium | 1.00 | +/-1.00 | U | 1.00 | P | 08/26/2024 | 00:52 | LB132155 |
| | Vanadium | 5.00 | +/-5.00 | U | 5.00 | P | 08/26/2024 | 00:52 | LB132155 |
| | Zinc | 5.00 | +/-5.00 | U | 5.00 | P | 08/26/2024 | 00:52 | LB132155 |
| CCB11 | Aluminum | 20.0 | +/-20.0 | U | 20.0 | P | 08/26/2024 | 01:30 | LB132155 |
| | Antimony | 0.12 | +/-2.00 | J | 2.00 | P | 08/26/2024 | 01:30 | LB132155 |
| | Arsenic | 1.00 | +/-1.00 | U | 1.00 | P | 08/26/2024 | 01:30 | LB132155 |
| | Barium | 10.0 | +/-10.0 | U | 10.0 | P | 08/26/2024 | 01:30 | LB132155 |
| | Beryllium | 1.00 | +/-1.00 | U | 1.00 | P | 08/26/2024 | 01:30 | LB132155 |
| | Cadmium | 1.00 | +/-1.00 | U | 1.00 | P | 08/26/2024 | 01:30 | LB132155 |
| | Calcium | 500 | +/-500 | U | 500 | P | 08/26/2024 | 01:30 | LB132155 |
| | Chromium | 2.00 | +/-2.00 | U | 2.00 | P | 08/26/2024 | 01:30 | LB132155 |
| | Cobalt | 1.00 | +/-1.00 | U | 1.00 | P | 08/26/2024 | 01:30 | LB132155 |
| | Copper | 2.00 | +/-2.00 | U | 2.00 | P | 08/26/2024 | 01:30 | LB132155 |
| | Iron | 50.0 | +/-50.0 | U | 50.0 | P | 08/26/2024 | 01:30 | LB132155 |
| | Lead | 1.00 | +/-1.00 | U | 1.00 | P | 08/26/2024 | 01:30 | LB132155 |
| | Magnesium | 500 | +/-500 | U | 500 | P | 08/26/2024 | 01:30 | LB132155 |
| | Manganese | 1.00 | +/-1.00 | U | 1.00 | P | 08/26/2024 | 01:30 | LB132155 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CCB11 | Nickel | 1.00 | +/-1.00 | U | 1.00 | P | 08/26/2024 | 01:30 | LB132155 |
| | Potassium | 500 | +/-500 | U | 500 | P | 08/26/2024 | 01:30 | LB132155 |
| | Selenium | 5.00 | +/-5.00 | U | 5.00 | P | 08/26/2024 | 01:30 | LB132155 |
| | Silver | 1.00 | +/-1.00 | U | 1.00 | P | 08/26/2024 | 01:30 | LB132155 |
| | Sodium | 500 | +/-500 | U | 500 | P | 08/26/2024 | 01:30 | LB132155 |
| | Thallium | 1.00 | +/-1.00 | U | 1.00 | P | 08/26/2024 | 01:30 | LB132155 |
| | Vanadium | 5.00 | +/-5.00 | U | 5.00 | P | 08/26/2024 | 01:30 | LB132155 |
| | Zinc | 5.00 | +/-5.00 | U | 5.00 | P | 08/26/2024 | 01:30 | LB132155 |

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

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Instrument:** CV1

| Sample ID | Analyte | Result (ug/L) | Acceptance Limit | Conc Qual | CRQL ug/L | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|
| **PB162680BL** | | **WATER** | | **Batch Number:** | **PB162680** | | **Prep Date:** | **08/12/2024** | |
| | Mercury | 0.20 | <0.20 | U | 0.20 | CV | 08/13/2024 | 10:07 | LB131960 |

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

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Instrument:** P7

| Sample ID | Analyte | Result (ug/L) | Acceptance Limit | Conc Qual | CRQL ug/L | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|
| **PB162950BL** | | **WATER** | | **Batch Number:** | **PB162950** | | **Prep Date:** | **08/23/2024** | |
| | Aluminum | 20.0 | <20.0 | U | 20.0 | P | 08/25/2024 | 17:31 | LB132155 |
| | Antimony | 2.00 | <2.00 | U | 2.00 | P | 08/25/2024 | 17:31 | LB132155 |
| | Arsenic | 1.00 | <1.00 | U | 1.00 | P | 08/25/2024 | 17:31 | LB132155 |
| | Barium | 10.0 | <10.0 | U | 10.0 | P | 08/25/2024 | 17:31 | LB132155 |
| | Beryllium | 1.00 | <1.00 | U | 1.00 | P | 08/25/2024 | 17:31 | LB132155 |
| | Cadmium | 1.00 | <1.00 | U | 1.00 | P | 08/25/2024 | 17:31 | LB132155 |
| | Calcium | 500 | <500 | U | 500 | P | 08/25/2024 | 17:31 | LB132155 |
| | Chromium | 2.00 | <2.00 | U | 2.00 | P | 08/25/2024 | 17:31 | LB132155 |
| | Cobalt | 1.00 | <1.00 | U | 1.00 | P | 08/25/2024 | 17:31 | LB132155 |
| | Copper | 2.00 | <2.00 | U | 2.00 | P | 08/25/2024 | 17:31 | LB132155 |
| | Iron | 50.0 | <50.0 | U | 50.0 | P | 08/25/2024 | 17:31 | LB132155 |
| | Lead | 1.00 | <1.00 | U | 1.00 | P | 08/25/2024 | 17:31 | LB132155 |
| | Magnesium | 500 | <500 | U | 500 | P | 08/25/2024 | 17:31 | LB132155 |
| | Manganese | 1.00 | <1.00 | U | 1.00 | P | 08/25/2024 | 17:31 | LB132155 |
| | Nickel | 1.00 | <1.00 | U | 1.00 | P | 08/25/2024 | 17:31 | LB132155 |
| | Potassium | 500 | <500 | U | 500 | P | 08/25/2024 | 17:31 | LB132155 |
| | Selenium | 5.00 | <5.00 | U | 5.00 | P | 08/25/2024 | 17:31 | LB132155 |
| | Silver | 1.00 | <1.00 | U | 1.00 | P | 08/25/2024 | 17:31 | LB132155 |
| | Sodium | 500 | <500 | U | 500 | P | 08/25/2024 | 17:31 | LB132155 |
| | Thallium | 1.00 | <1.00 | U | 1.00 | P | 08/25/2024 | 17:31 | LB132155 |
| | Vanadium | 5.00 | <5.00 | U | 5.00 | P | 08/25/2024 | 17:31 | LB132155 |
| | Zinc | 5.00 | <5.00 | U | 5.00 | P | 08/25/2024 | 17:31 | LB132155 |

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

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

**ICS Source:** EPA **Instrument ID:** P7

| Sample ID | Analyte | Result ug/L | True Value ug/L | % Recovery | Low Limit (ug/L) | High Limit (ug/L) | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| ICSA01 | Aluminum | 88700 | 100000 | 89 | 0 | 0 | 08/25/2024 | 17:08 | LB132155 |
| | Antimony | 1.02 | 1.5 | 68 | -2.5 | 5.5 | 08/25/2024 | 17:08 | LB132155 |
| | Arsenic | 0.37 | 0.1 | 370 | -1.9 | 2.1 | 08/25/2024 | 17:08 | LB132155 |
| | Barium | 1.31 | 1.2 | 109 | -18.8 | 21.2 | 08/25/2024 | 17:08 | LB132155 |
| | Beryllium | 0.28 | | | -2 | 2 | 08/25/2024 | 17:08 | LB132155 |
| | Cadmium | 0.15 | 0.7 | 21 | -1.3 | 2.7 | 08/25/2024 | 17:08 | LB132155 |
| | Calcium | 93300 | 100000 | 93 | 0 | 0 | 08/25/2024 | 17:08 | LB132155 |
| | Chromium | 19.1 | 21.0 | 91 | 17 | 25 | 08/25/2024 | 17:08 | LB132155 |
| | Cobalt | 1.15 | 1.0 | 115 | -1 | 3 | 08/25/2024 | 17:08 | LB132155 |
| | Copper | 7.67 | 8.0 | 96 | 4 | 12 | 08/25/2024 | 17:08 | LB132155 |
| | Iron | 98300 | 100000 | 98 | 0 | 0 | 08/25/2024 | 17:08 | LB132155 |
| | Lead | 4.48 | 4.0 | 112 | 2 | 6 | 08/25/2024 | 17:08 | LB132155 |
| | Magnesium | 89300 | 100000 | 89 | 0 | 0 | 08/25/2024 | 17:08 | LB132155 |
| | Manganese | 7.51 | 7.0 | 107 | 5 | 9 | 08/25/2024 | 17:08 | LB132155 |
| | Nickel | 5.16 | 6.0 | 86 | 4 | 8 | 08/25/2024 | 17:08 | LB132155 |
| | Potassium | 94300 | 100000 | 94 | 0 | 0 | 08/25/2024 | 17:08 | LB132155 |
| | Selenium | 0.40 | 0.3 | 133 | -9.7 | 10 | 08/25/2024 | 17:08 | LB132155 |
| | Silver | 0.080 | | | -2 | 2 | 08/25/2024 | 17:08 | LB132155 |
| | Sodium | 95900 | 100000 | 96 | 0 | 0 | 08/25/2024 | 17:08 | LB132155 |
| | Thallium | 0.050 | | | -2 | 2 | 08/25/2024 | 17:08 | LB132155 |
| | Vanadium | 0.17 | 0.5 | 34 | -9.5 | 10.5 | 08/25/2024 | 17:08 | LB132155 |
| | Zinc | 9.97 | 11.0 | 91 | 7 | 15 | 08/25/2024 | 17:08 | LB132155 |
| ICSAB01 | Aluminum | 89800 | 100000 | 90 | 0 | 0 | 08/25/2024 | 17:11 | LB132155 |
| | Antimony | 18.9 | 22.0 | 86 | 18 | 26 | 08/25/2024 | 17:11 | LB132155 |
| | Arsenic | 19.4 | 19.0 | 102 | 16.2 | 21.9 | 08/25/2024 | 17:11 | LB132155 |
| | Barium | 19.2 | 22.0 | 87 | 2 | 42 | 08/25/2024 | 17:11 | LB132155 |
| | Beryllium | 21.1 | 19.0 | 111 | 16.2 | 21.9 | 08/25/2024 | 17:11 | LB132155 |
| | Cadmium | 18.4 | 20.0 | 92 | 17 | 23 | 08/25/2024 | 17:11 | LB132155 |
| | Calcium | 97300 | 100000 | 97 | 0 | 0 | 08/25/2024 | 17:11 | LB132155 |
| | Chromium | 38.2 | 40.0 | 96 | 34 | 46 | 08/25/2024 | 17:11 | LB132155 |
| | Cobalt | 20.2 | 20.0 | 101 | 17 | 23 | 08/25/2024 | 17:11 | LB132155 |
| | Copper | 26.9 | 25.0 | 108 | 21 | 29 | 08/25/2024 | 17:11 | LB132155 |
| | Iron | 102000 | 100000 | 102 | 0 | 0 | 08/25/2024 | 17:11 | LB132155 |
| | Lead | 22.0 | 25.0 | 88 | 21.3 | 28.8 | 08/25/2024 | 17:11 | LB132155 |
| | Magnesium | 96000 | 100000 | 96 | 0 | 0 | 08/25/2024 | 17:11 | LB132155 |
| | Manganese | 27.1 | 27.0 | 100 | 23 | 31.1 | 08/25/2024 | 17:11 | LB132155 |
| | Nickel | 23.9 | 24.0 | 100 | 20.4 | 27.6 | 08/25/2024 | 17:11 | LB132155 |
| | Potassium | 96800 | 100000 | 97 | 0 | 0 | 08/25/2024 | 17:11 | LB132155 |
| | Selenium | 19.5 | 19.0 | 103 | 9 | 29 | 08/25/2024 | 17:11 | LB132155 |
| | Silver | 17.6 | 18.0 | 98 | 15.3 | 20.7 | 08/25/2024 | 17:11 | LB132155 |
| | Sodium | 97600 | 100000 | 98 | 0 | 0 | 08/25/2024 | 17:11 | LB132155 |
| | Thallium | 18.5 | 21.0 | 88 | 17.9 | 24.2 | 08/25/2024 | 17:11 | LB132155 |

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

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

**ICS Source:** EPA **Instrument ID:** P7

| Sample ID | Analyte | Result ug/L | True Value ug/L | % Recovery | Low Limit (ug/L) | High Limit (ug/L) | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **ICSAB01** | Vanadium | 19.2 | 19.0 | 101 | 9 | 29 | 08/25/2024 | 17:11 | LB132155 |
| | Zinc | 31.6 | 29.0 | 109 | 25 | 33 | 08/25/2024 | 17:11 | LB132155 |

# METAL QC DATA

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

**client:** JACOBS Engineering Group, Inc. **level:** low **sdg no.:** P3440

**contract:** JACO05 **lab code:** CHEM **case no.:** P3440 **sas no.:** P3440

**matrix:** Water **sample id:** P3440-01 **client id:** 923-K1-WS-080124MS

**Percent Solids for Sample:** NA **Spiked ID:** P3440-02 **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ug/L | 75 - 125 | 9730 | | 62.5 | | 10000 | 97 | | P |
| Antimony | ug/L | 75 - 125 | 519 | | 2.00 | U | 500 | 104 | | P |
| Arsenic | ug/L | 75 - 125 | 539 | | 0.79 | J | 500 | 108 | | P |
| Barium | ug/L | 75 - 125 | 2470 | | 64.4 | | 2500 | 96 | | P |
| Beryllium | ug/L | 75 - 125 | 565 | | 1.00 | U | 500 | 113 | | P |
| Cadmium | ug/L | 75 - 125 | 537 | | 1.00 | U | 500 | 107 | | P |
| Calcium | ug/L | 75 - 125 | 71200 | | 22300 | | 50000 | 98 | | P |
| Chromium | ug/L | 75 - 125 | 514 | | 2.00 | U | 500 | 103 | | P |
| Cobalt | ug/L | 75 - 125 | 531 | | 0.62 | J | 500 | 106 | | P |
| Copper | ug/L | 75 - 125 | 4950 | | 0.83 | J | 5000 | 99 | | P |
| Iron | ug/L | 75 - 125 | 29100 | | 3220 | | 25000 | 103 | | P |
| Lead | ug/L | 75 - 125 | 2490 | | 0.52 | J | 2500 | 100 | | P |
| Magnesium | ug/L | 75 - 125 | 53900 | | 4260 | | 50000 | 99 | | P |
| Manganese | ug/L | 75 - 125 | 5740 | | 859 | | 5000 | 98 | | P |
| Nickel | ug/L | 75 - 125 | 510 | | 0.65 | J | 500 | 102 | | P |
| Mercury | ug/L | 75 - 125 | 3.28 | | 0.20 | U | 4.0 | 82 | | CV |
| Potassium | ug/L | 75 - 125 | 28500 | | 3940 | | 25000 | 98 | | P |
| Selenium | ug/L | 75 - 125 | 543 | | 5.00 | U | 500 | 109 | | P |
| Silver | ug/L | 75 - 125 | 336 | | 1.00 | U | 500 | 67 | N | P |
| Sodium | ug/L | 75 - 125 | 144000 | | 96900 | | 50000 | 95 | | P |
| Thallium | ug/L | 75 - 125 | 521 | | 1.00 | U | 500 | 104 | | P |
| Vanadium | ug/L | 75 - 125 | 539 | | 0.53 | J | 500 | 108 | | P |
| Zinc | ug/L | 75 - 125 | 5050 | | 3.92 | J | 5000 | 101 | | P |

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

**client:** JACOBS Engineering Group, Inc. **level:** low **sdg no.:** P3440

**contract:** JACO05 **lab code:** CHEM **case no.:** P3440 **sas no.:** P3440

**matrix:** Water **sample id:** P3440-01 **client id:** 923-K1-WS-080124MSD

**Percent Solids for Sample:** NA **Spiked ID:** P3440-03 **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit %R | MSD Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ug/L | 75 - 125 | 9820 | | 62.5 | | 10000 | 98 | | P |
| Antimony | ug/L | 75 - 125 | 528 | | 2.00 | U | 500 | 106 | | P |
| Arsenic | ug/L | 75 - 125 | 539 | | 0.79 | J | 500 | 108 | | P |
| Barium | ug/L | 75 - 125 | 2450 | | 64.4 | | 2500 | 95 | | P |
| Beryllium | ug/L | 75 - 125 | 571 | | 1.00 | U | 500 | 114 | | P |
| Cadmium | ug/L | 75 - 125 | 540 | | 1.00 | U | 500 | 108 | | P |
| Calcium | ug/L | 75 - 125 | 72100 | | 22300 | | 50000 | 100 | | P |
| Chromium | ug/L | 75 - 125 | 522 | | 2.00 | U | 500 | 104 | | P |
| Cobalt | ug/L | 75 - 125 | 540 | | 0.62 | J | 500 | 108 | | P |
| Copper | ug/L | 75 - 125 | 5030 | | 0.83 | J | 5000 | 101 | | P |
| Iron | ug/L | 75 - 125 | 29900 | | 3220 | | 25000 | 107 | | P |
| Lead | ug/L | 75 - 125 | 2510 | | 0.52 | J | 2500 | 100 | | P |
| Magnesium | ug/L | 75 - 125 | 54400 | | 4260 | | 50000 | 100 | | P |
| Manganese | ug/L | 75 - 125 | 5790 | | 859 | | 5000 | 99 | | P |
| Nickel | ug/L | 75 - 125 | 522 | | 0.65 | J | 500 | 104 | | P |
| Mercury | ug/L | 75 - 125 | 3.17 | | 0.20 | U | 4.0 | 79 | | CV |
| Potassium | ug/L | 75 - 125 | 28900 | | 3940 | | 25000 | 100 | | P |
| Selenium | ug/L | 75 - 125 | 537 | | 5.00 | U | 500 | 107 | | P |
| Silver | ug/L | 75 - 125 | 342 | | 1.00 | U | 500 | 68 | N | P |
| Sodium | ug/L | 75 - 125 | 148000 | | 96900 | | 50000 | 102 | | P |
| Thallium | ug/L | 75 - 125 | 532 | | 1.00 | U | 500 | 106 | | P |
| Vanadium | ug/L | 75 - 125 | 547 | | 0.53 | J | 500 | 109 | | P |
| Zinc | ug/L | 75 - 125 | 5150 | | 3.92 | J | 5000 | 103 | | P |

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

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

**Matrix:** Water **Level:** LOW **Client ID:** 923-K1-WS-080124A

**Sample ID:** P3440-01 **Spiked ID:** P3440-01A

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Silver | ug/L | 75 - 125 | 321 | | 1.00 | U | 500 | 64 | | P |

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# Metals

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## DUPLICATE SAMPLE SUMMARY

**Client:** JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

**Matrix:** Water **Sample ID:** P3440-01 **Client ID:** 923-K1-WS-080124DUP

**Percent Solids for Sample:** NA **Duplicate ID** P3440-01DUP **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ug/L | 20 | 62.5 | | 65.1 | | 4 | | P |
| Antimony | ug/L | 20 | 2.00 | U | 2.00 | U | | | P |
| Arsenic | ug/L | 20 | 0.79 | J | 0.85 | J | 7 | | P |
| Barium | ug/L | 20 | 64.4 | | 64.8 | | 1 | | P |
| Beryllium | ug/L | 20 | 1.00 | U | 1.00 | U | | | P |
| Cadmium | ug/L | 20 | 1.00 | U | 1.00 | U | | | P |
| Calcium | ug/L | 20 | 22300 | | 22600 | | 1 | | P |
| Chromium | ug/L | 20 | 2.00 | U | 2.00 | U | | | P |
| Cobalt | ug/L | 20 | 0.62 | J | 0.61 | J | 2 | | P |
| Copper | ug/L | 20 | 0.83 | J | 0.78 | J | 6 | | P |
| Iron | ug/L | 20 | 3220 | | 3290 | | 2 | | P |
| Lead | ug/L | 20 | 0.52 | J | 0.46 | J | 12 | | P |
| Magnesium | ug/L | 20 | 4260 | | 4320 | | 1 | | P |
| Manganese | ug/L | 20 | 859 | | 883 | | 3 | | P |
| Nickel | ug/L | 20 | 0.65 | J | 0.55 | J | 17 | | P |
| Mercury | ug/L | 20 | 0.20 | U | 0.20 | U | | | CV |
| Potassium | ug/L | 20 | 3940 | | 4010 | | 2 | | P |
| Selenium | ug/L | 20 | 5.00 | U | 5.00 | U | | | P |
| Silver | ug/L | 20 | 1.00 | U | 1.00 | U | | | P |
| Sodium | ug/L | 20 | 96900 | | 99600 | | 3 | | P |
| Thallium | ug/L | 20 | 1.00 | U | 1.00 | U | | | P |
| Vanadium | ug/L | 20 | 0.53 | J | 0.54 | J | 2 | | P |
| Zinc | ug/L | 20 | 3.92 | J | 3.37 | J | 15 | | 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:** JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

**Matrix:** Water **Sample ID:** P3440-02 **Client ID:** 923-K1-WS-080124MSD

**Percent Solids for Sample:** NA **Duplicate ID** P3440-03 **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ug/L | 20 | 9730 | | 9820 | | 1 | | P |
| Antimony | ug/L | 20 | 519 | | 528 | | 2 | | P |
| Arsenic | ug/L | 20 | 539 | | 539 | | 0 | | P |
| Barium | ug/L | 20 | 2470 | | 2450 | | 1 | | P |
| Beryllium | ug/L | 20 | 565 | | 571 | | 1 | | P |
| Cadmium | ug/L | 20 | 537 | | 540 | | 1 | | P |
| Calcium | ug/L | 20 | 71200 | | 72100 | | 1 | | P |
| Chromium | ug/L | 20 | 514 | | 522 | | 2 | | P |
| Cobalt | ug/L | 20 | 531 | | 540 | | 2 | | P |
| Copper | ug/L | 20 | 4950 | | 5030 | | 2 | | P |
| Iron | ug/L | 20 | 29100 | | 29900 | | 3 | | P |
| Lead | ug/L | 20 | 2490 | | 2510 | | 1 | | P |
| Magnesium | ug/L | 20 | 53900 | | 54400 | | 1 | | P |
| Manganese | ug/L | 20 | 5740 | | 5790 | | 1 | | P |
| Nickel | ug/L | 20 | 510 | | 522 | | 2 | | P |
| Mercury | ug/L | 20 | 3.28 | | 3.17 | | 3 | | CV |
| Potassium | ug/L | 20 | 28500 | | 28900 | | 1 | | P |
| Selenium | ug/L | 20 | 543 | | 537 | | 1 | | P |
| Silver | ug/L | 20 | 336 | | 342 | | 2 | | P |
| Sodium | ug/L | 20 | 144000 | | 148000 | | 3 | | P |
| Thallium | ug/L | 20 | 521 | | 532 | | 2 | | P |
| Vanadium | ug/L | 20 | 539 | | 547 | | 1 | | P |
| Zinc | ug/L | 20 | 5050 | | 5150 | | 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:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

| Analyte | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|---|---|---|---|---|---|---|---|
| PB162680BS | | | | | | | |
| Mercury | ug/L | 4.0 | 3.62 | | 90 | 80 - 120 | CV |

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## LABORATORY CONTROL SAMPLE SUMMARY

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** P3440 **SAS No.:** P3440

| Analyte | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|---|---|---|---|---|---|---|---|
| PB162950BS | | | | | | | |
| Aluminum | ug/L | 10000 | 10500 | | 105 | 80 - 120 | P |
| Antimony | ug/L | 500 | 499 | | 100 | 80 - 120 | P |
| Arsenic | ug/L | 500 | 506 | | 101 | 80 - 120 | P |
| Barium | ug/L | 2500 | 2510 | | 100 | 80 - 120 | P |
| Beryllium | ug/L | 500 | 540 | | 108 | 80 - 120 | P |
| Cadmium | ug/L | 500 | 500 | | 100 | 80 - 120 | P |
| Calcium | ug/L | 50000 | 54500 | | 109 | 80 - 120 | P |
| Chromium | ug/L | 500 | 516 | | 103 | 80 - 120 | P |
| Cobalt | ug/L | 500 | 519 | | 104 | 80 - 120 | P |
| Copper | ug/L | 5000 | 5230 | | 105 | 80 - 120 | P |
| Iron | ug/L | 25000 | 28600 | | 114 | 80 - 120 | P |
| Lead | ug/L | 2500 | 2530 | | 101 | 80 - 120 | P |
| Magnesium | ug/L | 50000 | 53000 | | 106 | 80 - 120 | P |
| Manganese | ug/L | 5000 | 5120 | | 102 | 80 - 120 | P |
| Nickel | ug/L | 500 | 519 | | 104 | 80 - 120 | P |
| Potassium | ug/L | 25000 | 25900 | | 104 | 80 - 120 | P |
| Selenium | ug/L | 500 | 510 | | 102 | 80 - 120 | P |
| Silver | ug/L | 500 | 518 | | 104 | 80 - 120 | P |
| Sodium | ug/L | 50000 | 53800 | | 108 | 80 - 120 | P |
| Thallium | ug/L | 500 | 508 | | 102 | 80 - 120 | P |
| Vanadium | ug/L | 500 | 513 | | 103 | 80 - 120 | P |
| Zinc | ug/L | 5000 | 5260 | | 105 | 80 - 120 | P |

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3440 Sas No.: P3440 SDG No.: P3440

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

| 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 |
| | | | | | | | | | | | | |

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3440 Sas No.: P3440 SDG No.: P3440

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

| 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 | 1438 | 100 | | 100 | | 100 | | 100 | | 100 | |
| S2 | S2 | 1442 | 101 | | 102 | | 103 | | 102 | | 100 | |
| S3 | S3 | 1445 | 105 | | 103 | | 103 | | 101 | | 103 | |
| S4 | S4 | 1448 | 109 | | 104 | | 104 | | 102 | | 104 | |
| S5 | S5 | 1451 | 111 | | 104 | | 101 | | 100 | | 105 | |
| S6 | S6 | 1454 | 114 | | 101 | | 103 | | 99 | | 105 | |
| S7 | S7 | 1457 | 112 | | 104 | | 105 | | 98 | | 105 | |
| S8 | S8 | 1459 | 110 | | 101 | | 99 | | 88 | | 101 | |
| ICV01 | ICV01 | 1638 | 107 | | 105 | | 105 | | 104 | | 103 | |
| LLICV | LLICV | 1702 | 103 | | 104 | | 104 | | 103 | | 102 | |
| ICB01 | ICB01 | 1705 | 105 | | 105 | | 106 | | 105 | | 105 | |
| ICSA01 | ICSA01 | 1708 | 114 | | 106 | | 103 | | 97 | | 104 | |
| ICSAB01 | ICSAB01 | 1711 | 107 | | 105 | | 105 | | 98 | | 107 | |
| CCV01 | CCV01 | 1714 | 109 | | 105 | | 105 | | 96 | | 105 | |
| CCB01 | CCB01 | 1723 | 106 | | 103 | | 103 | | 103 | | 103 | |
| CRI | CRI | 1726 | 105 | | 102 | | 101 | | 102 | | 103 | |
| PB162950BL | PB162950BL | 1731 | 107 | | 103 | | 102 | | 99 | | 101 | |
| PB162950BS | PB162950BS | 1734 | 110 | | 105 | | 104 | | 98 | | 105 | |
| ZZZZZZ | ZZZZZZ | 1741 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1744 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1747 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1750 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1753 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1757 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1800 | | | | | | | | | | |
| CCV02 | CCV02 | 1803 | 113 | | 104 | | 104 | | 94 | | 104 | |
| CCB02 | CCB02 | 1809 | 108 | | 104 | | 103 | | 102 | | 102 | |
| P3440-01 | 923-K1-WS-01 | 1813 | 112 | | 106 | | 103 | | 100 | | 104 | |
| P3440-01DUP | 923-K1-WS-01 | 1816 | 113 | | 107 | | 105 | | 101 | | 105 | |
| P3440-01L | 923-K1-WS-01 | 1819 | 114 | | 106 | | 105 | | 105 | | 104 | |
| P3440-04 | 922-K1-WS-01 | 1822 | 110 | | 106 | | 105 | | 101 | | 106 | |
| P3440-02 | 923-K1-WS-01 | 1825 | 116 | | 109 | | 106 | | 103 | | 108 | |
| P3440-03 | 923-K1-WS-01 | 1828 | 115 | | 108 | | 105 | | 100 | | 106 | |
| P3440-01A | 923-K1-WS-01 | 1831 | 117 | | 109 | | 106 | | 102 | | 107 | |
| ZZZZZZ | ZZZZZZ | 1834 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1837 | | | | | | | | | | |

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3440 Sas No.: P3440 SDG No.: P3440

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

| 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 | 1840 | | | | | | | | | | |
| CCV03 | CCV03 | 1843 | 118 | | 107 | | 105 | | 96 | | 106 | |
| CCB03 | CCB03 | 1849 | 109 | | 103 | | 102 | | 102 | | 101 | |
| ZZZZZZ | ZZZZZZ | 1855 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1858 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1902 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1905 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1908 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1911 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1914 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1917 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1921 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1924 | | | | | | | | | | |
| CCV04 | CCV04 | 1927 | 108 | | 106 | | 105 | | 98 | | 104 | |
| CCB04 | CCB04 | 1933 | 107 | | 108 | | 104 | | 105 | | 104 | |
| ZZZZZZ | ZZZZZZ | 1937 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1940 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1948 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1951 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1954 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1958 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2001 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2004 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2007 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2011 | | | | | | | | | | |
| CCV05 | CCV05 | 2014 | 109 | | 107 | | 106 | | 97 | | 105 | |
| CCB05 | CCB05 | 2029 | 101 | | 105 | | 103 | | 101 | | 99 | |
| ZZZZZZ | ZZZZZZ | 2032 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2035 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2039 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2042 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2045 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2048 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2051 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2054 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2056 | | | | | | | | | | |

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3440 Sas No.: P3440 SDG No.: P3440

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

| 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 |
| P3440-02 | 923-K1-WS-02 | 2059 | 113 | | 104 | | 104 | | 98 | | 104 | |
| CCV06 | CCV06 | 2102 | 119 | | 108 | | 105 | | 96 | | 105 | |
| CCB06 | CCB06 | 2114 | 109 | | 105 | | 102 | | 102 | | 101 | |
| P3440-03 | 923-K1-WS-02 | 2117 | 112 | | 107 | | 104 | | 99 | | 104 | |
| P3440-01A | 923-K1-WS-02 | 2120 | 89 | | 82 | | 80 | | 76 | | 80 | |
| ZZZZZZ | ZZZZZZ | 2122 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2126 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2129 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2132 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2135 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2138 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2141 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2144 | | | | | | | | | | |
| CCV07 | CCV07 | 2147 | 115 | | 108 | | 106 | | 95 | | 105 | |
| CCB07 | CCB07 | 2155 | 109 | | 108 | | 107 | | 105 | | 105 | |
| ZZZZZZ | ZZZZZZ | 2200 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2203 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2206 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2209 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2212 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2216 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2219 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2222 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2225 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2228 | | | | | | | | | | |
| CCV08 | CCV08 | 2231 | 110 | | 109 | | 108 | | 100 | | 107 | |
| CCB08 | CCB08 | 2250 | 103 | | 108 | | 105 | | 104 | | 102 | |
| ZZZZZZ | ZZZZZZ | 2254 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2257 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2300 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2303 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2306 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2309 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2312 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2315 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2319 | | | | | | | | | | |

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3440 Sas No.: P3440 SDG No.: P3440

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

| 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 | 2322 | | | | | | | | | | |
| CCV09 | CCV09 | 2334 | 106 | | 107 | | 102 | | 94 | | 101 | |
| CCB09 | CCB09 | 2343 | 107 | | 109 | | 105 | | 103 | | 101 | |
| ZZZZZZ | ZZZZZZ | 2346 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2350 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2353 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2356 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2359 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0003 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0006 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0009 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0012 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0014 | | | | | | | | | | |
| CCV10 | CCV10 | 0042 | 110 | | 108 | | 104 | | 95 | | 102 | |
| CCB10 | CCB10 | 0052 | 114 | | 109 | | 105 | | 103 | | 102 | |
| ZZZZZZ | ZZZZZZ | 0055 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0058 | | | | | | | | | | |
| P3440-01A | 923-K1-WS-0 | 0115 | 119 | | 110 | | 104 | | 98 | | 103 | |
| CCV11 | CCV11 | 0117 | 120 | | 107 | | 103 | | 94 | | 102 | |
| CCB11 | CCB11 | 0130 | 109 | | 107 | | 102 | | 102 | | 100 | |

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3440 Sas No.: P3440 SDG No.: P3440

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

| 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 | 1438 | 100 | | 100 | | 100 | | 100 | | 100 | |
| S2 | S2 | 1442 | 103 | | 102 | | 102 | | 101 | | 103 | |
| S3 | S3 | 1445 | 104 | | 103 | | 102 | | 103 | | 105 | |
| S4 | S4 | 1448 | 102 | | 102 | | 102 | | 104 | | 106 | |
| S5 | S5 | 1451 | 99 | | 98 | | 98 | | 104 | | 105 | |
| S6 | S6 | 1454 | 97 | | 99 | | 97 | | 105 | | 106 | |
| S7 | S7 | 1457 | 99 | | 100 | | 98 | | 106 | | 108 | |
| S8 | S8 | 1459 | 98 | | 97 | | 88 | | 101 | | 103 | |
| ICV01 | ICV01 | 1638 | 102 | | 101 | | 101 | | 103 | | 104 | |
| LLICV | LLICV | 1702 | 104 | | 104 | | 104 | | 103 | | 104 | |
| ICB01 | ICB01 | 1705 | 105 | | 103 | | 103 | | 103 | | 106 | |
| ICSA01 | ICSA01 | 1708 | 98 | | 99 | | 96 | | 104 | | 107 | |
| ICSAB01 | ICSAB01 | 1711 | 99 | | 101 | | 98 | | 104 | | 105 | |
| CCV01 | CCV01 | 1714 | 100 | | 100 | | 95 | | 105 | | 107 | |
| CCB01 | CCB01 | 1723 | 99 | | 100 | | 102 | | 102 | | 104 | |
| CRI | CRI | 1726 | 99 | | 99 | | 103 | | 102 | | 104 | |
| PB162950BL | PB162950BL | 1731 | 99 | | 99 | | 101 | | 101 | | 102 | |
| PB162950BS | PB162950BS | 1734 | 97 | | 99 | | 97 | | 104 | | 106 | |
| ZZZZZZ | ZZZZZZ | 1741 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1744 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1747 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1750 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1753 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1757 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1800 | | | | | | | | | | |
| CCV02 | CCV02 | 1803 | 98 | | 99 | | 94 | | 105 | | 106 | |
| CCB02 | CCB02 | 1809 | 101 | | 101 | | 102 | | 103 | | 106 | |
| P3440-01 | 923-K1-WS-01 | 1813 | 102 | | 101 | | 100 | | 104 | | 108 | |
| P3440-01DUP | 923-K1-WS-01 | 1816 | 101 | | 102 | | 102 | | 105 | | 107 | |
| P3440-01L | 923-K1-WS-01 | 1819 | 101 | | 102 | | 104 | | 105 | | 106 | |
| P3440-04 | 922-K1-WS-01 | 1822 | 101 | | 101 | | 99 | | 102 | | 106 | |
| P3440-02 | 923-K1-WS-01 | 1825 | 104 | | 104 | | 101 | | 108 | | 110 | |
| P3440-03 | 923-K1-WS-01 | 1828 | 101 | | 103 | | 100 | | 106 | | 109 | |
| P3440-01A | 923-K1-WS-01 | 1831 | 103 | | 102 | | 100 | | 107 | | 110 | |
| ZZZZZZ | ZZZZZZ | 1834 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1837 | | | | | | | | | | |

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3440 Sas No.: P3440 SDG No.: P3440

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

| 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 | 1840 | | | | | | | | | | |
| CCV03 | CCV03 | 1843 | 101 | | 99 | | 95 | | 105 | | 109 | |
| CCB03 | CCB03 | 1849 | 102 | | 102 | | 104 | | 104 | | 106 | |
| ZZZZZZ | ZZZZZZ | 1855 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1858 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1902 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1905 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1908 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1911 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1914 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1917 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1921 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1924 | | | | | | | | | | |
| CCV04 | CCV04 | 1927 | 100 | | 100 | | 96 | | 105 | | 107 | |
| CCB04 | CCB04 | 1933 | 103 | | 105 | | 106 | | 105 | | 106 | |
| ZZZZZZ | ZZZZZZ | 1937 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1940 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1948 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1951 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1954 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1958 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2001 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2004 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2007 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2011 | | | | | | | | | | |
| CCV05 | CCV05 | 2014 | 99 | | 101 | | 95 | | 106 | | 106 | |
| CCB05 | CCB05 | 2029 | 102 | | 104 | | 104 | | 104 | | 104 | |
| ZZZZZZ | ZZZZZZ | 2032 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2035 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2039 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2042 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2045 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2048 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2051 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2054 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2056 | | | | | | | | | | |

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3440 Sas No.: P3440 SDG No.: P3440

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

| 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 |
| P3440-02 | 923-K1-WS-02 | 2059 | 98 | | 100 | | 97 | | 104 | | 107 | |
| CCV06 | CCV06 | 2102 | 99 | | 101 | | 97 | | 107 | | 109 | |
| CCB06 | CCB06 | 2114 | 99 | | 100 | | 102 | | 102 | | 104 | |
| P3440-03 | 923-K1-WS-02 | 2117 | 99 | | 102 | | 99 | | 104 | | 106 | |
| P3440-01A | 923-K1-WS-02 | 2120 | 100 | | 102 | | 100 | | 106 | | 107 | |
| ZZZZZZ | ZZZZZZ | 2122 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2126 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2129 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2132 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2135 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2138 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2141 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2144 | | | | | | | | | | |
| CCV07 | CCV07 | 2147 | 101 | | 103 | | 96 | | 104 | | 108 | |
| CCB07 | CCB07 | 2155 | 103 | | 105 | | 105 | | 106 | | 107 | |
| ZZZZZZ | ZZZZZZ | 2200 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2203 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2206 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2209 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2212 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2216 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2219 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2222 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2225 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2228 | | | | | | | | | | |
| CCV08 | CCV08 | 2231 | 101 | | 105 | | 98 | | 108 | | 110 | |
| CCB08 | CCB08 | 2250 | 104 | | 105 | | 107 | | 105 | | 105 | |
| ZZZZZZ | ZZZZZZ | 2254 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2257 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2300 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2303 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2306 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2309 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2312 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2315 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2319 | | | | | | | | | | |

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3440 Sas No.: P3440 SDG No.: P3440

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

| 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 | 2322 | | | | | | | | | | |
| CCV09 | CCV09 | 2334 | 98 | | 101 | | 95 | | 103 | | 105 | |
| CCB09 | CCB09 | 2343 | 102 | | 105 | | 106 | | 104 | | 107 | |
| ZZZZZZ | ZZZZZZ | 2346 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2350 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2353 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2356 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2359 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0003 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0006 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0009 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0012 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0014 | | | | | | | | | | |
| CCV10 | CCV10 | 0042 | 99 | | 103 | | 96 | | 106 | | 107 | |
| CCB10 | CCB10 | 0052 | 100 | | 105 | | 105 | | 104 | | 106 | |
| ZZZZZZ | ZZZZZZ | 0055 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0058 | | | | | | | | | | |
| P3440-01A | 923-K1-WS-0 | 0115 | 98 | | 101 | | 99 | | 105 | | 106 | |
| CCV11 | CCV11 | 0117 | 96 | | 100 | | 95 | | 104 | | 109 | |
| CCB11 | CCB11 | 0130 | 100 | | 105 | | 106 | | 107 | | 108 | |

Internal Standard %RI Limit: 70 - 130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3440 Sas No.: P3440 SDG No.: P3440

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

| 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 | 1438 | 100 | | 100 | | | | | | | |
| S2 | S2 | 1442 | 103 | | 103 | | | | | | | |
| S3 | S3 | 1445 | 104 | | 104 | | | | | | | |
| S4 | S4 | 1448 | 104 | | 103 | | | | | | | |
| S5 | S5 | 1451 | 105 | | 105 | | | | | | | |
| S6 | S6 | 1454 | 107 | | 105 | | | | | | | |
| S7 | S7 | 1457 | 107 | | 104 | | | | | | | |
| S8 | S8 | 1459 | 104 | | 93 | | | | | | | |
| ICV01 | ICV01 | 1638 | 105 | | 107 | | | | | | | |
| LLICV | LLICV | 1702 | 103 | | 105 | | | | | | | |
| ICB01 | ICB01 | 1705 | 104 | | 105 | | | | | | | |
| ICSA01 | ICSA01 | 1708 | 107 | | 104 | | | | | | | |
| ICSAB01 | ICSAB01 | 1711 | 108 | | 105 | | | | | | | |
| CCV01 | CCV01 | 1714 | 108 | | 104 | | | | | | | |
| CCB01 | CCB01 | 1723 | 103 | | 106 | | | | | | | |
| CRI | CRI | 1726 | 103 | | 105 | | | | | | | |
| PB162950BL | PB162950BL | 1731 | 102 | | 105 | | | | | | | |
| PB162950BS | PB162950BS | 1734 | 106 | | 105 | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1741 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1744 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1747 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1750 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1753 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1757 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1800 | | | | | | | | | | |
| CCV02 | CCV02 | 1803 | 106 | | 102 | | | | | | | |
| CCB02 | CCB02 | 1809 | 103 | | 106 | | | | | | | |
| P3440-01 | 923-K1-WS-08 | 1813 | 106 | | 104 | | | | | | | |
| P3440-01DUP | 923-K1-WS-08 | 1816 | 105 | | 105 | | | | | | | |
| P3440-01L | 923-K1-WS-08 | 1819 | 105 | | 108 | | | | | | | |
| P3440-04 | 922-K1-WS-08 | 1822 | 105 | | 102 | | | | | | | |
| P3440-02 | 923-K1-WS-08 | 1825 | 109 | | 107 | | | | | | | |
| P3440-03 | 923-K1-WS-08 | 1828 | 107 | | 105 | | | | | | | |
| P3440-01A | 923-K1-WS-08 | 1831 | 110 | | 106 | | | | | | | |

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3440 Sas No.: P3440 SDG No.: P3440

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

| 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 | 1834 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1837 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1840 | | | | | | | | | | |
| CCV03 | CCV03 | 1843 | 107 | | 103 | | | | | | | |
| CCB03 | CCB03 | 1849 | 101 | | 105 | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1855 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1858 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1902 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1905 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1908 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1911 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1914 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1917 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1921 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1924 | | | | | | | | | | |
| CCV04 | CCV04 | 1927 | 107 | | 102 | | | | | | | |
| CCB04 | CCB04 | 1933 | 104 | | 107 | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1937 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1940 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1948 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1951 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1954 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1958 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2001 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2004 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2007 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2011 | | | | | | | | | | |
| CCV05 | CCV05 | 2014 | 106 | | 102 | | | | | | | |
| CCB05 | CCB05 | 2029 | 99 | | 104 | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2032 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2035 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2039 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2042 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2045 | | | | | | | | | | |

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3440 Sas No.: P3440 SDG No.: P3440

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

| 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 | 2048 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2051 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2054 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2056 | | | | | | | | | | |
| P3440-02 | 923-K1-WS-08 | 2059 | 104 | | 104 | | | | | | | |
| CCV06 | CCV06 | 2102 | 107 | | 103 | | | | | | | |
| CCB06 | CCB06 | 2114 | 100 | | 106 | | | | | | | |
| P3440-03 | 923-K1-WS-08 | 2117 | 106 | | 105 | | | | | | | |
| P3440-01A | 923-K1-WS-08 | 2120 | 80 | | 80 | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2122 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2126 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2129 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2132 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2135 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2138 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2141 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2144 | | | | | | | | | | |
| CCV07 | CCV07 | 2147 | 106 | | 101 | | | | | | | |
| CCB07 | CCB07 | 2155 | 106 | | 109 | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2200 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2203 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2206 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2209 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2212 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2216 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2219 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2222 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2225 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2228 | | | | | | | | | | |
| CCV08 | CCV08 | 2231 | 108 | | 103 | | | | | | | |
| CCB08 | CCB08 | 2250 | 101 | | 105 | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2254 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2257 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2300 | | | | | | | | | | |

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3440 Sas No.: P3440 SDG No.: P3440

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

| 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 | 2303 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2306 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2309 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2312 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2315 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2319 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2322 | | | | | | | | | | |
| CCV09 | CCV09 | 2334 | 102 | | 97 | | | | | | | |
| CCB09 | CCB09 | 2343 | 103 | | 105 | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2346 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2350 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2353 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2356 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2359 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0003 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0006 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0009 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0012 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0014 | | | | | | | | | | |
| CCV10 | CCV10 | 0042 | 103 | | 98 | | | | | | | |
| CCB10 | CCB10 | 0052 | 102 | | 106 | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0055 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0058 | | | | | | | | | | |
| P3440-01A | 923-K1-WS-08 | 0115 | 102 | | 102 | | | | | | | |
| CCV11 | CCV11 | 0117 | 104 | | 100 | | | | | | | |
| CCB11 | CCB11 | 0130 | 102 | | 102 | | | | | | | |

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3440 Sas No.: P3440 SDG No.: P3440

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

| Lab SampleID | Client SampleID | Time | Internal Standard %RI For: Collision Cell | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Element 209Bi | Q | Element | Q | Element | Q | Element | Q | Element | Q |
| S0 | S0 | 1438 | 100 | | | | | | | | | |
| S2 | S2 | 1442 | 102 | | | | | | | | | |
| S3 | S3 | 1445 | 103 | | | | | | | | | |
| S4 | S4 | 1448 | 104 | | | | | | | | | |
| S5 | S5 | 1451 | 102 | | | | | | | | | |
| S6 | S6 | 1454 | 101 | | | | | | | | | |
| S7 | S7 | 1457 | 102 | | | | | | | | | |
| S8 | S8 | 1459 | 92 | | | | | | | | | |
| ICV01 | ICV01 | 1638 | 105 | | | | | | | | | |
| LLICV | LLICV | 1702 | 104 | | | | | | | | | |
| ICB01 | ICB01 | 1705 | 105 | | | | | | | | | |
| ICSA01 | ICSA01 | 1708 | 102 | | | | | | | | | |
| ICSAB01 | ICSAB01 | 1711 | 100 | | | | | | | | | |
| CCV01 | CCV01 | 1714 | 100 | | | | | | | | | |
| CCB01 | CCB01 | 1723 | 104 | | | | | | | | | |
| CRI | CRI | 1726 | 103 | | | | | | | | | |
| PB162950BL | PB162950BL | 1731 | 104 | | | | | | | | | |
| PB162950BS | PB162950BS | 1734 | 103 | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1741 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1744 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1747 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1750 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1753 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1757 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1800 | | | | | | | | | | |
| CCV02 | CCV02 | 1803 | 100 | | | | | | | | | |
| CCB02 | CCB02 | 1809 | 106 | | | | | | | | | |
| P3440-01 | 923-K1-WS-08 | 1813 | 106 | | | | | | | | | |
| P3440-01DUP | 923-K1-WS-08 | 1816 | 106 | | | | | | | | | |
| P3440-01L | 923-K1-WS-08 | 1819 | 106 | | | | | | | | | |
| P3440-04 | 922-K1-WS-08 | 1822 | 101 | | | | | | | | | |
| P3440-02 | 923-K1-WS-08 | 1825 | 106 | | | | | | | | | |
| P3440-03 | 923-K1-WS-08 | 1828 | 105 | | | | | | | | | |
| P3440-01A | 923-K1-WS-08 | 1831 | 106 | | | | | | | | | |

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3440 Sas No.: P3440 SDG No.: P3440

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

| Lab SampleID | Client SampleID | Time | Internal Standard %RI For: Collision Cell | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Element 209Bi | Q | Element | Q | Element | Q | Element | Q | Element | Q |
| ZZZZZZ | ZZZZZZ | 1834 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1837 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1840 | | | | | | | | | | |
| CCV03 | CCV03 | 1843 | 101 | | | | | | | | | |
| CCB03 | CCB03 | 1849 | 108 | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1855 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1858 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1902 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1905 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1908 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1911 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1914 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1917 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1921 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1924 | | | | | | | | | | |
| CCV04 | CCV04 | 1927 | 100 | | | | | | | | | |
| CCB04 | CCB04 | 1933 | 108 | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1937 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1940 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1948 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1951 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1954 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 1958 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2001 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2004 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2007 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2011 | | | | | | | | | | |
| CCV05 | CCV05 | 2014 | 100 | | | | | | | | | |
| CCB05 | CCB05 | 2029 | 105 | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2032 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2035 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2039 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2042 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2045 | | | | | | | | | | |

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3440 Sas No.: P3440 SDG No.: P3440

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

| Lab SampleID | Client SampleID | Time | Internal Standard %RI For: Collision Cell | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Element 209Bi | Q | Element | Q | Element | Q | Element | Q | Element | Q |
| ZZZZZZ | ZZZZZZ | 2048 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2051 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2054 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2056 | | | | | | | | | | |
| P3440-02 | 923-K1-WS-08 | 2059 | 103 | | | | | | | | | |
| CCV06 | CCV06 | 2102 | 102 | | | | | | | | | |
| CCB06 | CCB06 | 2114 | 106 | | | | | | | | | |
| P3440-03 | 923-K1-WS-08 | 2117 | 104 | | | | | | | | | |
| P3440-01A | 923-K1-WS-08 | 2120 | 105 | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2122 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2126 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2129 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2132 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2135 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2138 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2141 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2144 | | | | | | | | | | |
| CCV07 | CCV07 | 2147 | 103 | | | | | | | | | |
| CCB07 | CCB07 | 2155 | 109 | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2200 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2203 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2206 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2209 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2212 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2216 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2219 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2222 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2225 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2228 | | | | | | | | | | |
| CCV08 | CCV08 | 2231 | 103 | | | | | | | | | |
| CCB08 | CCB08 | 2250 | 107 | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2254 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2257 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2300 | | | | | | | | | | |

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3440 Sas No.: P3440 SDG No.: P3440

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

| Lab SampleID | Client SampleID | Time | Internal Standard %RI For: Collision Cell | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Element 209Bi | Q | Element | Q | Element | Q | Element | Q | Element | Q |
| ZZZZZZ | ZZZZZZ | 2303 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2306 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2309 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2312 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2315 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2319 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2322 | | | | | | | | | | |
| CCV09 | CCV09 | 2334 | 98 | | | | | | | | | |
| CCB09 | CCB09 | 2343 | 108 | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2346 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2350 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2353 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2356 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 2359 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0003 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0006 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0009 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0012 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0014 | | | | | | | | | | |
| CCV10 | CCV10 | 0042 | 100 | | | | | | | | | |
| CCB10 | CCB10 | 0052 | 107 | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0055 | | | | | | | | | | |
| ZZZZZZ | ZZZZZZ | 0058 | | | | | | | | | | |
| P3440-01A | 923-K1-WS-08 | 0115 | 105 | | | | | | | | | |
| CCV11 | CCV11 | 0117 | 100 | | | | | | | | | |
| CCB11 | CCB11 | 0130 | 109 | | | | | | | | | |

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# Metals

## -9 -

## ICP SERIAL DILUTIONS

SAMPLE NO.

923-K1-WS-080124L

**Lab Name:** Chemtech Consulting Group **Contract:** JACO05

**Lab Code:** CHEM **Lb No.:** lb132155 **Lab Sample ID :** P3440-01L **SDG No.:** P3440

**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 |
|---|---|---|---|---|---|---|---|
| Aluminum | 62.5 | | 169 | | 171 | | P |
| Antimony | 2.00 | U | 10.0 | U | | | P |
| Arsenic | 0.79 | J | 0.90 | J | 14 | | P |
| Barium | 64.4 | | 61.2 | | 5 | | P |
| Beryllium | 1.00 | U | 5.00 | U | | | P |
| Cadmium | 1.00 | U | 5.00 | U | | | P |
| Calcium | 22300 | | 21500 | | 3 | | P |
| Chromium | 2.00 | U | 10.0 | U | | | P |
| Cobalt | 0.62 | J | 0.50 | J | 19 | | P |
| Copper | 0.83 | J | 10.0 | U | 100.0 | | P |
| Iron | 3220 | | 3150 | | 2 | | P |
| Lead | 0.52 | J | 5.00 | U | 100.0 | | P |
| Magnesium | 4260 | | 4100 | | 4 | | P |
| Manganese | 859 | | 857 | | 0 | | P |
| Nickel | 0.65 | J | 5.00 | U | 100.0 | | P |
| Mercury | 0.20 | U | 1.00 | U | | | CV |
| Potassium | 3940 | | 3780 | | 4 | | P |
| Selenium | 5.00 | U | 25.0 | U | | | P |
| Silver | 1.00 | U | 5.00 | U | | | P |
| Sodium | 96900 | | 92900 | | 4 | | P |
| Thallium | 1.00 | U | 5.00 | U | | | P |
| Vanadium | 0.53 | J | 0.50 | J | 6 | | P |
| Zinc | 3.92 | J | 8.10 | J | 107 | | P |

# METAL PREPARATION & INSTRUMENT DATA

# METAL PREPARATION & ANALYICAL SUMMARY

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

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Method:**

**Case No.:** P3440 **SAS No.:** P3440

| Sample ID | Client ID | Sample Type | Matrix | Prep Date | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|---|---|---|---|---|---|---|---|
| **Batch Number:** | **PB162680** | | | | | | |
| P3440-01 | 923-K1-WS-080124 | SAM | WATER | 08/12/2024 | 30.0 | 30.0 | |
| P3440-01DUP | 923-K1-WS-080124DUP | DUP | WATER | 08/12/2024 | 30.0 | 30.0 | |
| P3440-02 | 923-K1-WS-080124MS | MS | WATER | 08/12/2024 | 30.0 | 30.0 | |
| P3440-03 | 923-K1-WS-080124MSD | MSD | WATER | 08/12/2024 | 30.0 | 30.0 | |
| P3440-04 | 922-K1-WS-080124 | SAM | WATER | 08/12/2024 | 30.0 | 30.0 | |
| PB162680BL | PB162680BL | MB | WATER | 08/12/2024 | 30.0 | 30.0 | |
| PB162680BS | PB162680BS | LCS | WATER | 08/12/2024 | 30.0 | 30.0 | |

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

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** P3440

**Contract:** JACO05 **Lab Code:** CHEM **Method:**

**Case No.:** P3440 **SAS No.:** P3440

| Sample ID | Client ID | Sample Type | Matrix | Prep Date | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|---|---|---|---|---|---|---|---|
| **Batch Number:** | **PB162950** | | | | | | |
| P3440-01 | 923-K1-WS-080124 | SAM | WATER | 08/23/2024 | 50.0 | 50.0 | |
| P3440-01DUP | 923-K1-WS-080124DUP | DUP | WATER | 08/23/2024 | 50.0 | 50.0 | |
| P3440-02 | 923-K1-WS-080124MS | MS | WATER | 08/23/2024 | 50.0 | 50.0 | |
| P3440-03 | 923-K1-WS-080124MSD | MSD | WATER | 08/23/2024 | 50.0 | 50.0 | |
| P3440-04 | 922-K1-WS-080124 | SAM | WATER | 08/23/2024 | 50.0 | 50.0 | |
| PB162950BL | PB162950BL | MB | WATER | 08/23/2024 | 50.0 | 50.0 | |
| PB162950BS | PB162950BS | LCS | WATER | 08/23/2024 | 50.0 | 50.0 | |

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

**Client:** JACOBS Engineering Group, Inc. **Contract:** JACO05

**Lab code:** CHEM **Case no.:** P3440 **Sas no.:** P3440 **Sdg no.:** P3440

**Instrument id number:** **Method:** **Run number:** LB131960

**Start date:** 08/13/2024 **End date:** 08/13/2024

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 0836 | HG |
| S0.2 | S0.2 | 1 | 0839 | HG |
| S2.5 | S2.5 | 1 | 0841 | HG |
| S5 | S5 | 1 | 0843 | HG |
| S7.5 | S7.5 | 1 | 0845 | HG |
| S10 | S10 | 1 | 0850 | HG |
| ICV72 | ICV72 | 1 | 0853 | HG |
| ICB72 | ICB72 | 1 | 0855 | HG |
| CCV35 | CCV35 | 1 | 0858 | HG |
| CCB35 | CCB35 | 1 | 0903 | HG |
| CRA | CRA | 1 | 0910 | HG |
| CCV36 | CCV36 | 1 | 0933 | HG |
| CCB36 | CCB36 | 1 | 0935 | HG |
| CCV37 | CCV37 | 1 | 1000 | HG |
| CCB37 | CCB37 | 1 | 1005 | HG |
| PB162680BL | PB162680BL | 1 | 1007 | HG |
| PB162680BS | PB162680BS | 1 | 1009 | HG |
| P3440-01 | 923-K1-WS-080124 | 1 | 1023 | HG |
| P3440-01DUP | 923-K1-WS-080124DUP | 1 | 1025 | HG |
| P3440-02 | 923-K1-WS-080124MS | 1 | 1028 | HG |
| CCV38 | CCV38 | 1 | 1030 | HG |
| CCB38 | CCB38 | 1 | 1035 | HG |
| P3440-03 | 923-K1-WS-080124MSD | 1 | 1037 | HG |
| P3440-04 | 922-K1-WS-080124 | 1 | 1039 | HG |
| CCV39 | CCV39 | 1 | 1058 | HG |
| CCB39 | CCB39 | 1 | 1104 | HG |
| P3440-01L | 923-K1-WS-080124L | 5 | 1119 | HG |
| CCV40 | CCV40 | 1 | 1124 | HG |
| CCB40 | CCB40 | 1 | 1126 | HG |

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

**Client:** JACOBS Engineering Group, Inc. **Contract:** JACO05

**Lab code:** CHEM **Case no.:** P3440 **Sas no.:** P3440 **Sdg no.:** P3440

**Instrument id number:** **Method:** **Run number:** LB132155

**Start date:** 08/25/2024 **End date:** 08/26/2024

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 1438 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S2 | S2 | 1 | 1442 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S3 | S3 | 1 | 1445 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S4 | S4 | 1 | 1448 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S5 | S5 | 1 | 1451 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S6 | S6 | 1 | 1454 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S7 | S7 | 1 | 1457 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S8 | S8 | 1 | 1459 | Al,Ca,Fe,K,Mg,Na |
| ICV01 | ICV01 | 1 | 1638 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| LLICV | LLICV | 1 | 1702 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICB01 | ICB01 | 1 | 1705 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSA01 | ICSA01 | 1 | 1708 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSAB01 | ICSAB01 | 1 | 1711 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV01 | CCV01 | 1 | 1714 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB01 | CCB01 | 1 | 1723 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CRI | CRI | 1 | 1726 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB162950BL | PB162950BL | 1 | 1731 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB162950BS | PB162950BS | 1 | 1734 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV02 | CCV02 | 1 | 1803 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB02 | CCB02 | 1 | 1809 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| P3440-01 | 923-K1-WS-080124 | 1 | 1813 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| P3440-01DUP | 923-K1-WS-080124DUP | 1 | 1816 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| P3440-01L | 923-K1-WS-080124L | 5 | 1819 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| P3440-04 | 922-K1-WS-080124 | 1 | 1822 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| P3440-02 | 923-K1-WS-080124MS | 1 | 1825 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| P3440-03 | 923-K1-WS-080124MSD | 1 | 1828 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV03 | CCV03 | 1 | 1843 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB03 | CCB03 | 1 | 1849 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV04 | CCV04 | 1 | 1927 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB04 | CCB04 | 1 | 1933 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV05 | CCV05 | 1 | 2014 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB05 | CCB05 | 1 | 2029 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV06 | CCV06 | 1 | 2102 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB06 | CCB06 | 1 | 2114 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV07 | CCV07 | 1 | 2147 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB07 | CCB07 | 1 | 2155 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV08 | CCV08 | 1 | 2231 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB08 | CCB08 | 1 | 2250 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV09 | CCV09 | 1 | 2334 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB09 | CCB09 | 1 | 2343 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV10 | CCV10 | 1 | 0042 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |

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

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

**Client:** JACOBS Engineering Group, Inc. **Contract:** JACO05

**Lab code:** CHEM **Case no.:** P3440 **Sas no.:** P3440 **Sdg no.:** P3440

**Instrument id number:** **Method:** **Run number:** LB132155

**Start date:** 08/25/2024 **End date:** 08/26/2024

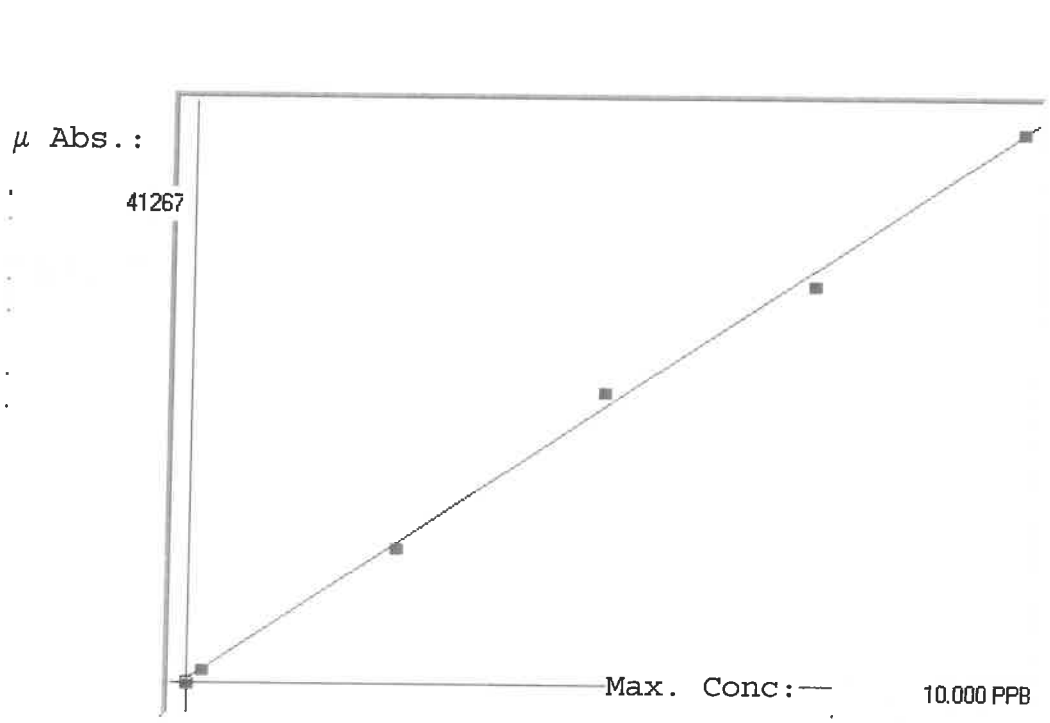
| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| CCB10 | CCB10 | 1 | 0052 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| P3440-01A | 923-K1-WS-080124A | 1 | 0115 | Ag |
| CCV11 | CCV11 | 1 | 0117 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB11 | CCB11 | 1 | 0130 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |

# METAL
# RAW DATA

Reviewed By:mohan
On:8/13/2024 10:47:32 PM
Inst Id :CV1
LB :LB131960

LB131960

7470A INSTRUMENT ID: CV1




| Std ID | Conc. | Calc. | Dev. | Mean | SD or %RSD | Rep 1 | Rep 2 | Rep 3 | Rep 4 | Rep 5 | %D |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.000 | -0.028 | -0.028 | 123 | 0.000 | 123 | 0 | | | | 1 |
| 0.2 | 0.200 | 0.194 | -0.006 | 1032 | 0.0 % | 1032 | | | | | 3 |
| 2.5 | 2.500 | 2.456 | -0.044 | 10275 | 0.0 % | 10275 | | | | | 2 |
| 5.0 | 5.000 | 5.292 | 0.292 | 21867 | 0.0 % | 21867 | | | | | 6 |
| 7.5 | 7.500 | 7.247 | -0.253 | 29857 | 0.0 % | 29857 | | | | | 3 |
| 10.0 | 10.000 | 10.039 | 0.039 | 41267 | 0.0 % | 41267 | | | | | 0 |

Reviewed By:mohan
On:8/13/2024 10:47:32 PM
Inst Id :CV1
LB :LB131960

# LB131960 INSTRUMKENT ID : CV1

Method: 7470A Operator: Admin Date of Analysis: 13 Aug 2024 08:29:57

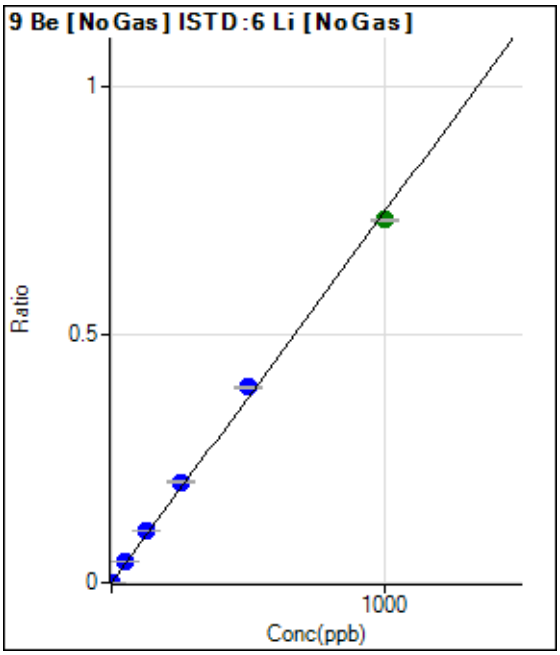
| Sample ID | Extended ID | µ Abs. | Conc. | Stnd Conc | Method | Units | Date | Type | Type |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 - 1 | 50 | 123 | - | 0.0000 | 7470A | PPB | 13 Aug 2024 08:36:49 | S | Std |
| 0.2 - 1 | 50.2 | 1032 | - | 0.2000 | 7470A | PPB | 13 Aug 2024 08:39:05 | S | Std |
| 2.5 - 1 | 52.5 | 10275 | - | 2.5000 | 7470A | PPB | 13 Aug 2024 08:41:23 | S | Std |
| 5.0 - 1 | 55 | 21867 | - | 5.0000 | 7470A | PPB | 13 Aug 2024 08:43:40 | S | Std |
| 7.5 - 1 | 57.5 | 29857 | - | 7.5000 | 7470A | PPB | 13 Aug 2024 08:45:57 | S | Std |
| 10.0 - 1 | 510 | 41267 | - | 10.0000 | 7470A | PPB | 13 Aug 2024 08:50:50 | S | Std |
| ICV72 - 1 | ICV72 | 16618 | 4.0078 | | -7470A | PPB | 13 Aug 2024 08:53:41 | U | SMPL |
| ICB72 - 1 | ICB72 | -81 | -0.0784 | | -7470A | PPB | 13 Aug 2024 08:55:55 | U | SMPL |
| CCV35 - 1 | CCV35 | 18763 | 4.5327 | | -7470A | PPB | 13 Aug 2024 08:58:12 | U | SMPL |
| CCB35 - 1 | CCB35 | -64 | -0.0742 | | -7470A | PPB | 13 Aug 2024 09:03:02 | U | SMPL |
| CRA - 1 | CRA | 1203 | 0.2358 | | -7470A | PPB | 13 Aug 2024 09:10:24 | U | SMPL |
| HighStd - 1 | HighStd | 41121 | 10.0035 | | -7470A | PPB | 13 Aug 2024 09:12:39 | U | SMPL |
| ChkStd - 1 | ChkStd | 27661 | 6.7100 | | -7470A | PPB | 13 Aug 2024 09:14:54 | U | SMPL |
| PB162665BL - 1 | PBW | -169 | -0.0999 | | -7470A | PPB | 13 Aug 2024 09:17:12 | U | SMPL |
| PB162665BS - 1 | LCSW | 16637 | 4.0124 | | -7470A | PPB | 13 Aug 2024 09:19:29 | U | SMPL |
| P3526-02 - 1 | SP-1-COMP | -178 | -0.1021 | | -7470A | PPB | 13 Aug 2024 09:21:45 | U | SMPL |
| P3534-01 - 1 | PIPE-BLAST-GRIT | 6 | -0.0571 | | -7470A | PPB | 13 Aug 2024 09:24:03 | U | SMPL |
| P3534-03 - 1 | HP-IP | 24 | -0.0527 | | -7470A | PPB | 13 Aug 2024 09:26:20 | U | SMPL |
| P3534-03DUP - 1 | HP-IPDUP | 31 | -0.0510 | | -7470A | PPB | 13 Aug 2024 09:28:37 | U | SMPL |
| P3534-03MS - 1 | HP-IPMS | 19735 | 4.7705 | | -7470A | PPB | 13 Aug 2024 09:30:53 | U | SMPL |
| CCV36 - 1 | CCV36 | 19728 | 4.7688 | | -7470A | PPB | 13 Aug 2024 09:33:08 | U | SMPL |
| CCB36 - 1 | CCB36 | -104 | -0.0840 | | -7470A | PPB | 13 Aug 2024 09:35:25 | U | SMPL |
| P3534-03MSD - 1 | HP-IPMSD | 15594 | 3.7572 | | -7470A | PPB | 13 Aug 2024 09:37:42 | U | SMPL |
| PB162681BL - 1 | PBW | -62 | -0.0737 | | -7470A | PPB | 13 Aug 2024 09:39:57 | U | SMPL |
| PB162681BS - 1 | LCSW | 16751 | 4.0403 | | -7470A | PPB | 13 Aug 2024 09:42:14 | U | SMPL |
| P3530-02 - 1 | WC-A-04-202408 | -188 | -0.1045 | | -7470A | PPB | 13 Aug 2024 09:44:29 | U | SMPL |
| P3530-02DUP - 1 | WC-A-04-202408DUP | -28 | -0.0654 | | -7470A | PPB | 13 Aug 2024 09:46:47 | U | SMPL |
| P3530-02MS - 1 | WC-A-04-202408MS | 14987 | 3.6087 | | -7470A | PPB | 13 Aug 2024 09:49:03 | U | SMPL |
| P3530-02MSD - 1 | WC-A-04-202408MSD | 13826 | 3.3246 | | -7470A | PPB | 13 Aug 2024 09:51:19 | U | SMPL |
| P3530-03 - 1 | WC-A-05-202408 | -95 | -0.0818 | | -7470A | PPB | 13 Aug 2024 09:53:38 | U | SMPL |
| P3534-05 - 1 | PIPE-BLAST-GRIT(FB) | 11 | -0.0558 | | -7470A | PPB | 13 Aug 2024 09:55:57 | U | SMPL |
| P3534-06 - 1 | HP-IP(FB) | 32 | -0.0507 | | -7470A | PPB | 13 Aug 2024 09:58:13 | U | SMPL |
| CCV37 - 1 | CCV37 | 20451 | 4.9457 | | -7470A | PPB | 13 Aug 2024 10:00:28 | U | SMPL |
| CCB37 - 1 | CCB37 | 14 | -0.0551 | | -7470A | PPB | 13 Aug 2024 10:05:27 | U | SMPL |
| PB162680BL - 1 | PBW | 120 | -0.0292 | | -7470A | PPB | 13 Aug 2024 10:07:43 | U | SMPL |
| PB162680BS - 1 | LCSW | 15043 | 3.6224 | | -7470A | PPB | 13 Aug 2024 10:09:58 | U | SMPL |
| P3426-01 - 1 | 927-K1-WS-073124 | -94 | -0.0815 | | -7470A | PPB | 13 Aug 2024 10:12:13 | U | SMPL |
| P3426-02 - 1 | 927-K1-WS-073124-FD | 31 | -0.0510 | | -7470A | PPB | 13 Aug 2024 10:14:30 | U | SMPL |
| P3429-01 - 1 | 926-K1-WS-073124 | 6 | -0.0571 | | -7470A | PPB | 13 Aug 2024 10:16:46 | U | SMPL |
| P3429-02 - 1 | 931-K1-WS-073124 | 309 | 0.0171 | | -7470A | PPB | 13 Aug 2024 10:19:02 | U | SMPL |
| P3429-03 - 1 | 925-K1-WS-073124 | 778 | 0.1318 | | -7470A | PPB | 13 Aug 2024 10:21:19 | U | SMPL |
| P3440-01 - 1 | 923-K1-WS-080124 | -109 | -0.0852 | | -7470A | PPB | 13 Aug 2024 10:23:35 | U | SMPL |
| P3440-01DUP - 1 | 923-K1-WS-080124DUP | 17 | -0.0544 | | -7470A | PPB | 13 Aug 2024 10:25:53 | U | SMPL |
| P3440-02 - 1 | P3440-01MS | 13643 | 3.2798 | | -7470A | PPB | 13 Aug 2024 10:28:09 | U | SMPL |
| CCV38 - 1 | CCV38 | 20089 | 4.8571 | | -7470A | PPB | 13 Aug 2024 10:30:24 | U | SMPL |
| CCB38 - 1 | CCB38 | 14 | -0.0551 | | -7470A | PPB | 13 Aug 2024 10:35:27 | U | SMPL |
| P3440-03 - 1 | P3440-01MSD | 13205 | 3.1727 | | -7470A | PPB | 13 Aug 2024 10:37:42 | U | SMPL |
| P3440-04 - 1 | 922-K1-WS-080124 | -73 | -0.0764 | | -7470A | PPB | 13 Aug 2024 10:39:57 | U | SMPL |
| P3451-01 - 1 | 921-J-WS-080124 | 37 | -0.0495 | | -7470A | PPB | 13 Aug 2024 10:42:15 | U | SMPL |
| P3457-01 - 1 | 924-K1-WS-080224 | 100 | -0.0341 | | -7470A | PPB | 13 Aug 2024 10:44:30 | U | SMPL |
| P3457-02 - 1 | 932-K1-WS-080224 | 141 | -0.0240 | | -7470A | PPB | 13 Aug 2024 10:46:46 | U | SMPL |
| P3467-01 - 1 | 919-J-WS-080224 | 1257 | 0.2490 | | -7470A | PPB | 13 Aug 2024 10:49:02 | U | SMPL |
| P3497-02 - 1 | COMP | 33 | -0.0505 | | -7470A | PPB | 13 Aug 2024 10:51:19 | U | SMPL |
| P3532-01 - 1 | 806-C | 950 | 0.1739 | | -7470A | PPB | 13 Aug 2024 10:53:36 | U | SMPL |
| P3545-01 - 1 | BUR-1295 | 914 | 0.1651 | | -7470A | PPB | 13 Aug 2024 10:55:52 | U | SMPL |
| CCV39 - 1 | CCV39 | 21395 | 5.1767 | | -7470A | PPB | 13 Aug 2024 10:58:08 | U | SMPL |
| CCB39 - 1 | CCB39 | 221 | -0.0045 | | -7470A | PPB | 13 Aug 2024 11:04:09 | U | SMPL |
| PB162588TB - 1 | PB162588TB | -23 | -0.0642 | | -7470A | PPB | 13 Aug 2024 11:06:24 | U | SMPL |
| PB162590TB - 1 | PB162590TB | -2 | -0.0590 | | -7470A | PPB | 13 Aug 2024 11:08:39 | U | SMPL |
| P3534-03LX5 - 1 | | -32 | -0.0664 | | -7470A | PPB | 13 Aug 2024 11:10:54 | U | SMPL |
| P3534-03A - 1 | | 15658 | 3.7729 | | -7470A | PPB | 13 Aug 2024 11:13:10 | U | SMPL |
| P3530-02LX5 - 1 | | -459 | -0.1709 | | -7470A | PPB | 13 Aug 2024 11:15:25 | U | SMPL |
| P3530-02A - 1 | | 16246 | 3.9168 | | -7470A | PPB | 13 Aug 2024 11:17:42 | U | SMPL |
| P3440-01LX5 - 1 | | -388 | -0.1535 | | -7470A | PPB | 13 Aug 2024 11:19:58 | U | SMPL |
| P3440-01A - 1 | | 16290 | 3.9275 | | -7470A | PPB | 13 Aug 2024 11:22:17 | U | SMPL |
| CCV40 - 1 | CCV40 | 21055 | 5.0935 | | -7470A | PPB | 13 Aug 2024 11:24:33 | U | SMPL |
| CCB40 - 1 | CCB40 | -469 | -0.1733 | | -7470A | PPB | 13 Aug 2024 11:26:51 | U | SMPL |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7082524MS.b\
Analysis File: P7082524MS.batch.bin
DA Date-Time: 2024-08-25 19:33:05
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time |
|---|---|---|---|
| 1 | 004CALB.d | S00 | 2024-08-25 14:38:45 |
| 2 | 005CALS.d | S02 | 2024-08-25 14:42:02 |
| 3 | 006CALS.d | S03 | 2024-08-25 14:45:21 |
| 4 | 007CALS.d | S04 | 2024-08-25 14:48:28 |
| 5 | 008CALS.d | S05 | 2024-08-25 14:51:26 |
| 6 | 009CALS.d | S06 | 2024-08-25 14:54:16 |
| 7 | 010CALS.d | S07 | 2024-08-25 14:57:06 |
| 8 | 011CALS.d | S08 | 2024-08-25 14:59:52 |

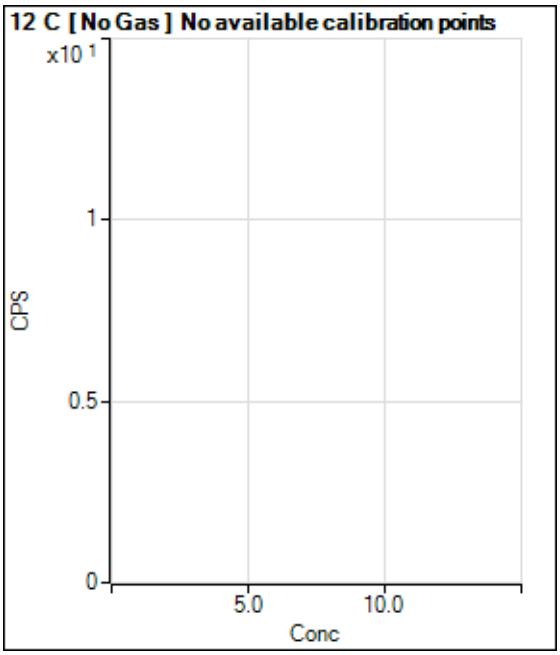
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 34.44 | 0.0000 | P | 5.6 |
| 2 | ☐ | 1.000 | 1.100 | 1263.40 | 0.0008 | P | 8.4 |
| 3 | ☐ | 50.000 | 55.464 | 64698.57 | 0.0415 | P | 3.2 |
| 4 | ☐ | 125.000 | 138.456 | 168009.47 | 0.1035 | P | 0.7 |
| 5 | ☐ | 250.000 | 270.169 | 333752.33 | 0.2019 | P | 1.7 |
| 6 | ☐ | 500.000 | 528.027 | 668187.80 | 0.3946 | P | 1.2 |
| 7 | ☐ | 1000.000 | 978.989 | 1219289.77 | 0.7315 | A | 0.8 |
| 8 | ☐ | | | 222.22 | 0.0001 | P | 3.3 |

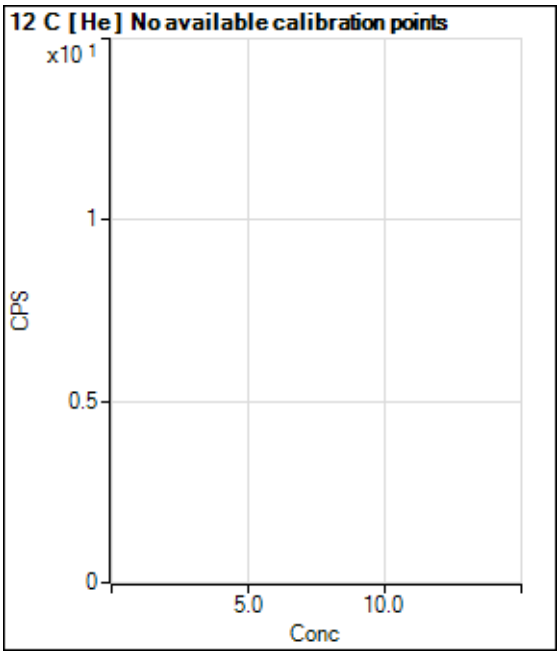
y = 7.4722E-004 * x + 2.3186E-005
R = 0.9991
DL = 0.005221
BEC = 0.03103

Weight: <None>
Min Conc: 0

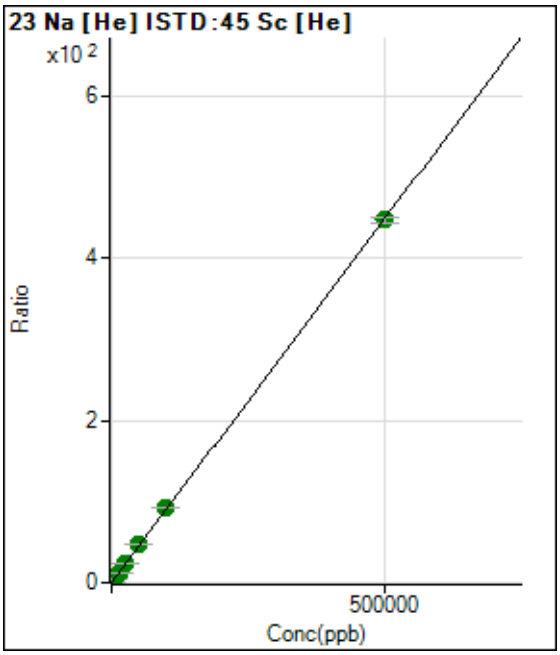



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | | | | |
| 2 | ☐ | | | | | | |
| 3 | ☐ | | | | | | |
| 4 | ☐ | | | | | | |
| 5 | ☐ | | | | | | |
| 6 | ☐ | | | | | | |
| 7 | ☐ | | | | | | |
| 8 | ☐ | | | | | | |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | | | | |
| 2 | ☐ | | | | | | |
| 3 | ☐ | | | | | | |
| 4 | ☐ | | | | | | |
| 5 | ☐ | | | | | | |
| 6 | ☐ | | | | | | |
| 7 | ☐ | | | | | | |
| 8 | ☐ | | | | | | |

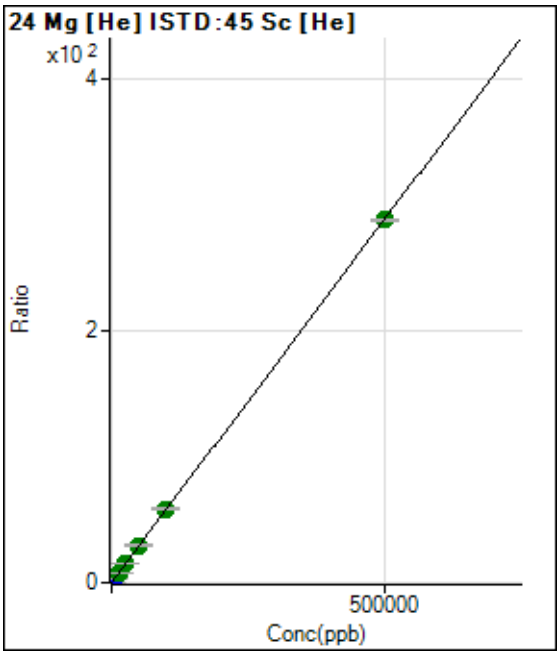



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 9702.03 | 0.0272 | P | 2.4 |
| 2 | ☐ | 500.000 | 501.936 | 175204.06 | 0.4770 | P | 1.3 |
| 3 | ☐ | 5000.000 | 5198.918 | 1731776.83 | 4.6861 | A | 1.8 |
| 4 | ☐ | 12500.000 | 12986.684 | 4231522.02 | 11.6648 | A | 2.0 |
| 5 | ☐ | 25000.000 | 26016.118 | 8231155.78 | 23.3408 | A | 0.3 |
| 6 | ☐ | 50000.000 | 52354.813 | 16263850.04 | 46.9434 | A | 1.6 |
| 7 | ☐ | 100000.00 | 103996.66 | 32900121.46 | 93.2208 | A | 0.6 |
| 8 | ☐ | 500000.00 | 498900.22 | 156339414.3 | 447.1021 | A | 1.3 |

y = 8.9612E-004 * x + 0.0272
R = 1.0000
DL = 2.19
BEC = 30.36

Weight: <None>
Min Conc: 0

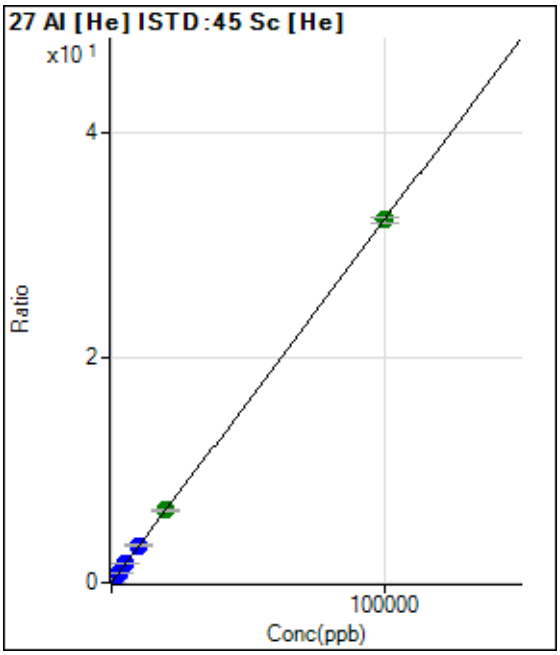
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 397.79 | 0.0011 | P | 6.0 |
| 2 | ☐ | 500.000 | 492.804 | 104697.74 | 0.2850 | P | 0.7 |
| 3 | ☐ | 5000.000 | 5352.021 | 1140001.25 | 3.0846 | P | 0.7 |
| 4 | ☐ | 12500.000 | 12960.528 | 2709107.03 | 7.4682 | A | 1.7 |
| 5 | ☐ | 25000.000 | 25654.224 | 5212717.11 | 14.7815 | A | 0.3 |
| 6 | ☐ | 50000.000 | 51594.729 | 10299320.82 | 29.7269 | A | 0.9 |
| 7 | ☐ | 100000.00 | 101575.40 | 20654289.83 | 58.5227 | A | 0.7 |
| 8 | ☐ | 500000.00 | 499477.70 | 100623738.5 | 287.7700 | A | 0.8 |

y = 5.7614E-004 * x + 0.0011
R = 1.0000
DL = 0.3465
BEC = 1.936

Weight: <None>
Min Conc: 0

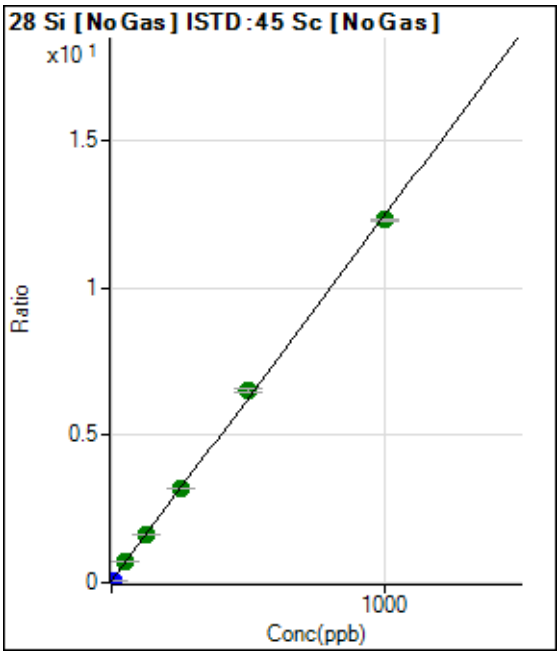



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 303.34 | 0.0009 | P | 4.9 |
| 2 | ☐ | 20.000 | 19.057 | 2573.57 | 0.0070 | P | 6.3 |
| 3 | ☐ | 1000.000 | 1037.715 | 124203.24 | 0.3361 | P | 1.2 |
| 4 | ☐ | 2500.000 | 2741.500 | 321582.75 | 0.8865 | P | 1.0 |
| 5 | ☐ | 5000.000 | 5192.089 | 591793.05 | 1.6781 | P | 0.3 |
| 6 | ☐ | 10000.000 | 10292.530 | 1152287.56 | 3.3258 | P | 1.3 |
| 7 | ☐ | 20000.000 | 19874.484 | 2266230.37 | 6.4212 | A | 0.4 |
| 8 | ☐ | 100000.00 | 99979.831 | 11293951.64 | 32.2987 | A | 1.8 |

y = 3.2304E-004 * x + 8.5063E-004
R = 1.0000
DL = 0.3876
BEC = 2.633

Weight: <None>
Min Conc: 0

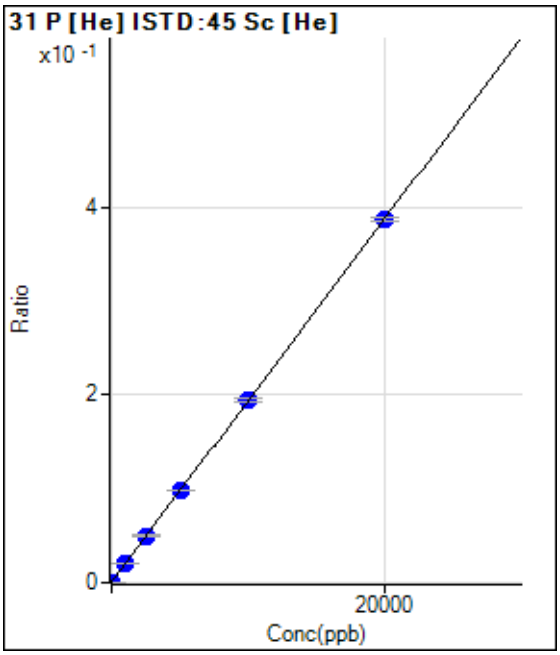
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 304917.42 | 0.0631 | P | 1.2 |
| 2 | ☐ | 10.000 | 0.164 | 321716.31 | 0.0651 | P | 1.8 |
| 3 | ☐ | 50.000 | 51.026 | 3472554.88 | 0.6955 | A | 1.1 |
| 4 | ☐ | 125.000 | 125.905 | 8156535.30 | 1.6236 | A | 0.7 |
| 5 | ☐ | 250.000 | 254.278 | 16201308.51 | 3.2147 | A | 0.6 |
| 6 | ☐ | 500.000 | 521.021 | 31963625.08 | 6.5208 | A | 2.5 |
| 7 | ☐ | 1000.000 | 988.354 | 61901562.41 | 12.3130 | A | 0.9 |
| 8 | ☐ | | | 447652.01 | 0.0917 | P | 2.3 |

y = 0.0124 * x + 0.0631
R = 0.9996
DL = 0.1901
BEC = 5.089

Weight: <None>
Min Conc: 0

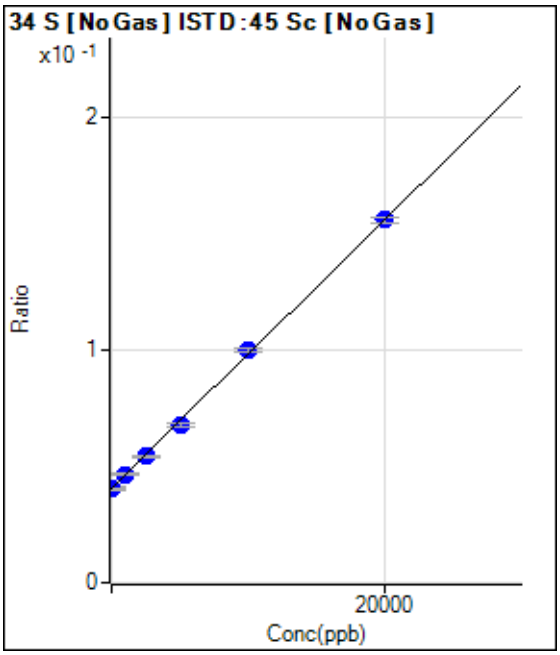



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | -14.195 | 131.12 | 0.0004 | P | 16.3 |
| 2 | ☐ | 0.000 | 14.195 | 336.67 | 0.0009 | P | 11.8 |
| 3 | ☐ | 1000.000 | 990.549 | 7311.81 | 0.0198 | P | 2.3 |
| 4 | ☐ | 2500.000 | 2541.276 | 18049.62 | 0.0498 | P | 2.0 |
| 5 | ☐ | 5000.000 | 5091.179 | 34925.36 | 0.0990 | P | 0.3 |
| 6 | ☐ | 10000.000 | 10031.540 | 67395.24 | 0.1945 | P | 1.2 |
| 7 | ☐ | 20000.000 | 19956.748 | 136350.90 | 0.3863 | P | 1.0 |
| 8 | ☐ | | | 167.78 | 0.0005 | P | 4.7 |

y = 1.9327E-005 * x + 6.4205E-004
R = 1.0000
DL = 13.01
BEC = 33.22

Weight: <None>
Min Conc: 0

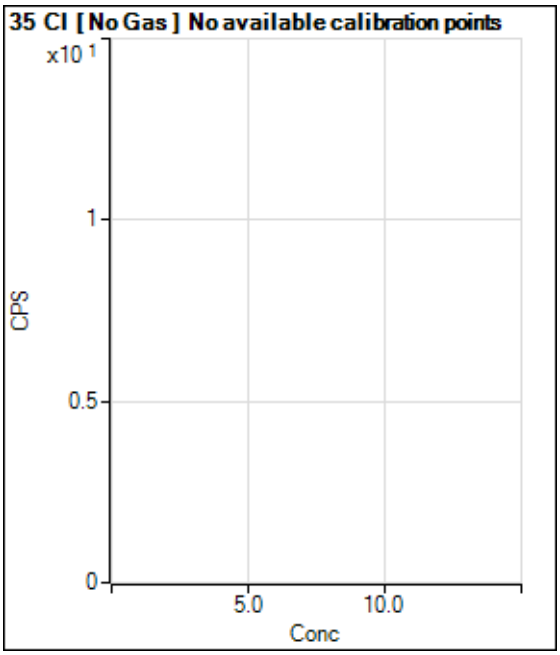
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 45.412 | 197262.65 | 0.0408 | P | 1.0 |
| 2 | ☐ | 0.000 | -45.412 | 199066.59 | 0.0403 | P | 1.3 |
| 3 | ☐ | 1000.000 | 1044.960 | 232499.44 | 0.0466 | P | 1.0 |
| 4 | ☐ | 2500.000 | 2360.039 | 272027.73 | 0.0541 | P | 0.8 |
| 5 | ☐ | 5000.000 | 4695.263 | 340718.82 | 0.0676 | P | 2.0 |
| 6 | ☐ | 10000.000 | 10230.743 | 487935.51 | 0.0995 | P | 1.6 |
| 7 | ☐ | 20000.000 | 19976.060 | 782855.88 | 0.1557 | P | 1.9 |
| 8 | ☐ | | | 184326.14 | 0.0378 | P | 2.9 |

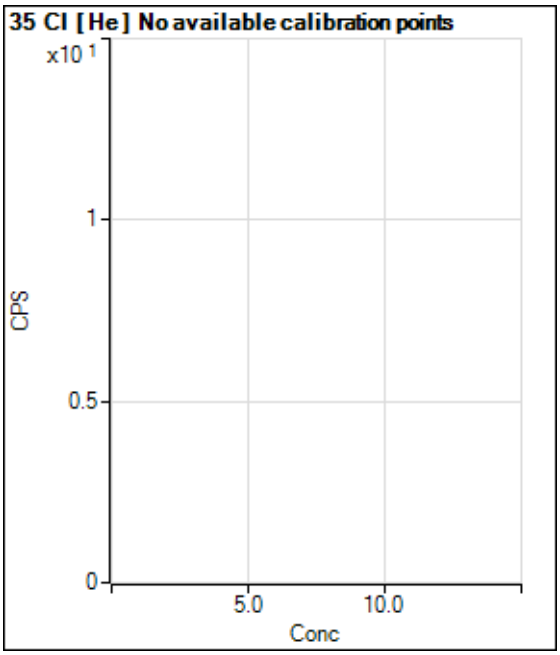
y = 5.7666E-006 * x + 0.0405
R = 0.9997
DL = 239.7
BEC = 7030

Weight: <None>
Min Conc: 0

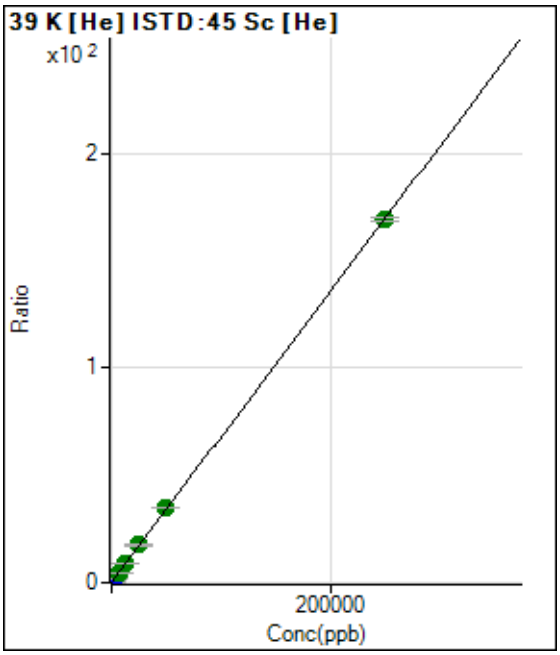



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | | | | |
| 2 | ☐ | | | | | | |
| 3 | ☐ | | | | | | |
| 4 | ☐ | | | | | | |
| 5 | ☐ | | | | | | |
| 6 | ☐ | | | | | | |
| 7 | ☐ | | | | | | |
| 8 | ☐ | | | | | | |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | | | | |
| 2 | ☐ | | | | | | |
| 3 | ☐ | | | | | | |
| 4 | ☐ | | | | | | |
| 5 | ☐ | | | | | | |
| 6 | ☐ | | | | | | |
| 7 | ☐ | | | | | | |
| 8 | ☐ | | | | | | |

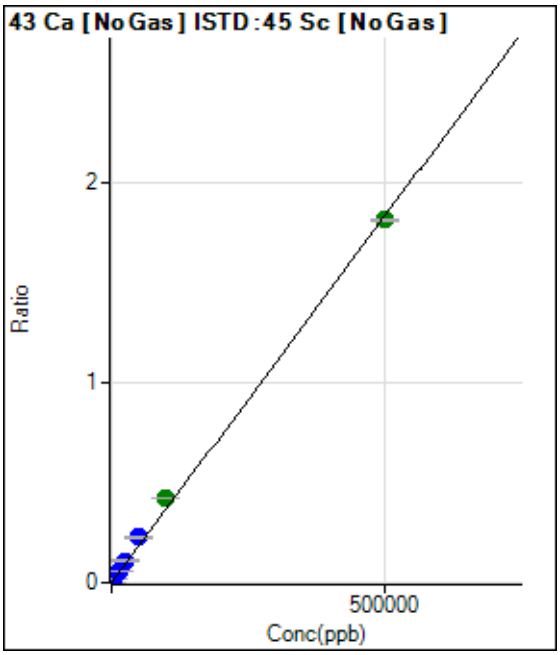



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 47265.42 | 0.1325 | P | 0.6 |
| 2 | ☐ | 500.000 | 510.210 | 175545.17 | 0.4779 | P | 0.5 |
| 3 | ☐ | 2500.000 | 2788.814 | 746701.20 | 2.0204 | P | 0.1 |
| 4 | ☐ | 6250.000 | 6557.991 | 1658556.85 | 4.5719 | A | 0.4 |
| 5 | ☐ | 12500.000 | 13099.799 | 3174039.95 | 9.0003 | A | 1.8 |
| 6 | ☐ | 25000.000 | 25776.232 | 6092046.30 | 17.5815 | A | 1.5 |
| 7 | ☐ | 50000.000 | 51347.096 | 12314194.82 | 34.8913 | A | 0.9 |
| 8 | ☐ | 250000.00 | 249612.35 | 59129977.45 | 169.1047 | A | 1.0 |

y = 6.7694E-004 * x + 0.1325
R = 1.0000
DL = 3.439
BEC = 195.8

Weight: <None>
Min Conc: 0

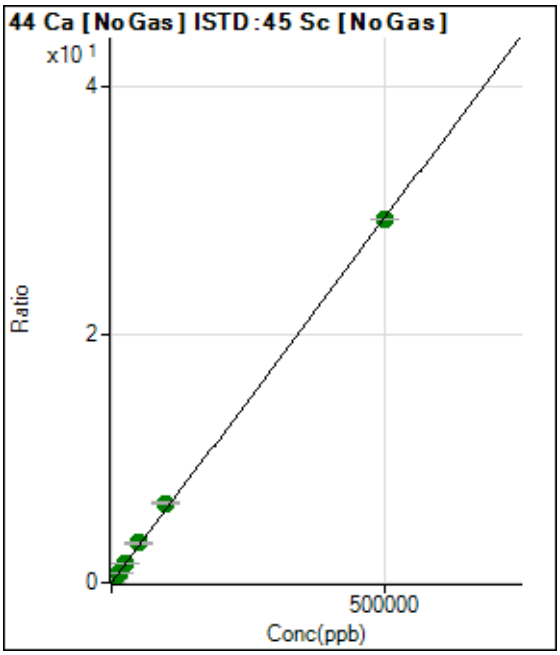
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | | 0.000 | 0.000 | 385.57 | 0.0001 | P | 10.0 |
| 2 | | 500.000 | 503.672 | 9526.41 | 0.0019 | P | 3.7 |
| 3 | | 5000.000 | 6126.713 | 112633.42 | 0.0226 | P | 1.5 |
| 4 | | 12500.000 | 15464.248 | 285449.86 | 0.0568 | P | 0.5 |
| 5 | | 25000.000 | 30055.366 | 556165.83 | 0.1104 | P | 1.2 |
| 6 | | 50000.000 | 61983.056 | 1115217.58 | 0.2275 | P | 2.4 |
| 7 | | 100000.00 | 115553.26 | 2131674.92 | 0.4241 | A | 1.9 |
| 8 | | 500000.00 | 495352.89 | 8872481.95 | 1.8176 | A | 0.3 |

y = 3.6691E-006 * x + 7.9710E-005
R = 0.9993
DL = 6.505
BEC = 21.72

Weight: <None>
Min Conc: 0

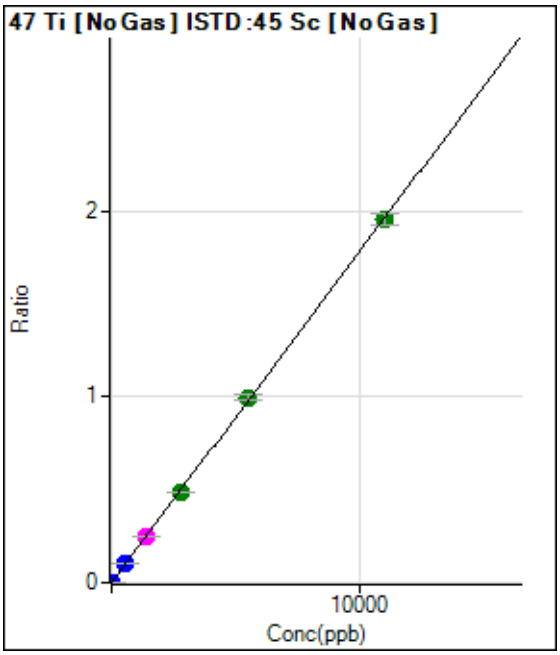



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | | 0.000 | 0.000 | 12606.83 | 0.0026 | P | 2.8 |
| 2 | | 500.000 | 517.005 | 162780.74 | 0.0329 | P | 1.6 |
| 3 | | 5000.000 | 5449.582 | 1609311.71 | 0.3223 | A | 0.7 |
| 4 | | 12500.000 | 13763.242 | 4069573.06 | 0.8100 | A | 1.9 |
| 5 | | 25000.000 | 26796.340 | 7936328.08 | 1.5746 | A | 1.7 |
| 6 | | 50000.000 | 54532.488 | 15694535.46 | 3.2017 | A | 2.7 |
| 7 | | 100000.00 | 108973.25 | 32150906.19 | 6.3955 | A | 1.7 |
| 8 | | 500000.00 | 497626.19 | 142517915.6 | 29.1956 | A | 0.1 |

y = 5.8665E-005 * x + 0.0026
R = 0.9998
DL = 3.781
BEC = 44.46

Weight: <None>
Min Conc: 0

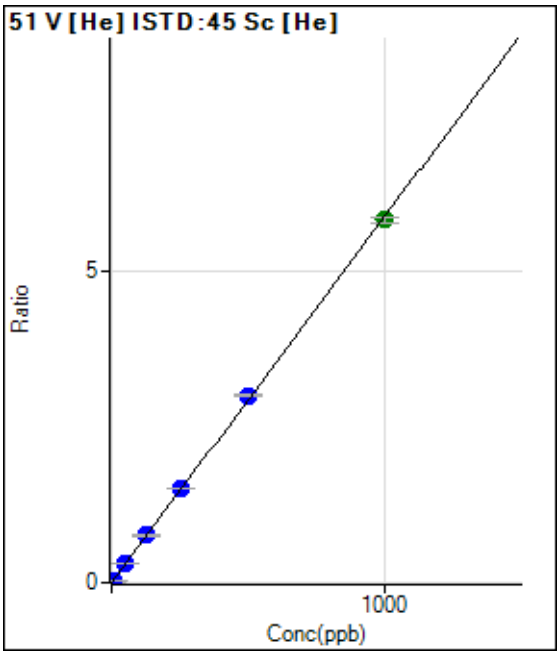
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LB :LB132155




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 120.00 | 0.0000 | P | 9.2 |
| 2 | ☐ | 5.000 | 4.802 | 4355.12 | 0.0009 | P | 1.6 |
| 3 | ☐ | 550.000 | 568.244 | 506089.62 | 0.1014 | P | 1.1 |
| 4 | ☐ | 1375.000 | 1411.382 | 1264543.57 | 0.2517 | M | 1.0 |
| 5 | ☐ | 2750.000 | 2737.696 | 2460759.60 | 0.4882 | A | 0.2 |
| 6 | ☐ | 5500.000 | 5595.151 | 4891204.44 | 0.9978 | A | 2.3 |
| 7 | ☐ | 11000.000 | 10950.041 | 9815911.45 | 1.9528 | A | 3.2 |
| 8 | ☐ | | | 1955.70 | 0.0004 | P | 2.2 |

y = 1.7833E-004 * x + 2.4814E-005
R = 0.9999
DL = 0.03836
BEC = 0.1391

Weight: <None>
Min Conc: 0

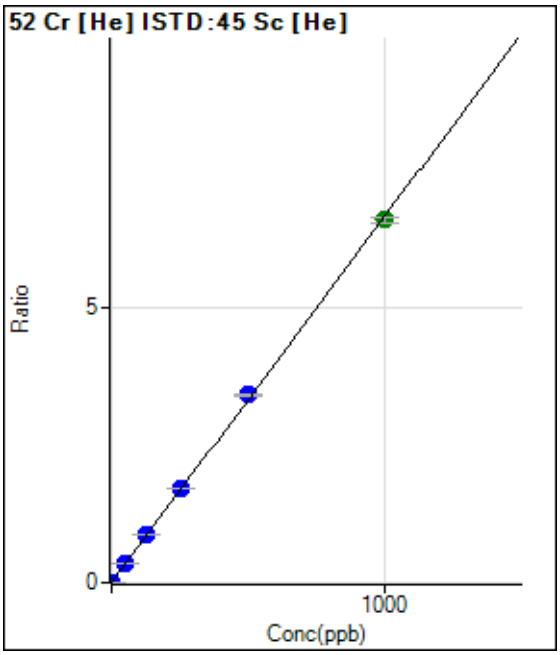



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 7.78 | 0.0000 | P | 65.3 |
| 2 | ☐ | 5.000 | 4.623 | 9992.29 | 0.0272 | P | 2.1 |
| 3 | ☐ | 50.000 | 50.752 | 110303.01 | 0.2985 | P | 0.6 |
| 4 | ☐ | 125.000 | 128.816 | 274800.19 | 0.7575 | P | 0.3 |
| 5 | ☐ | 250.000 | 256.433 | 531769.43 | 1.5079 | P | 0.5 |
| 6 | ☐ | 500.000 | 512.315 | 1043748.38 | 3.0126 | P | 0.6 |
| 7 | ☐ | 1000.000 | 991.721 | 2058195.72 | 5.8316 | A | 1.8 |
| 8 | ☐ | | | 706.69 | 0.0020 | P | 1.4 |

y = 0.0059 * x + 2.1798E-005
R = 0.9999
DL = 0.007267
BEC = 0.003707

Weight: <None>
Min Conc: 0

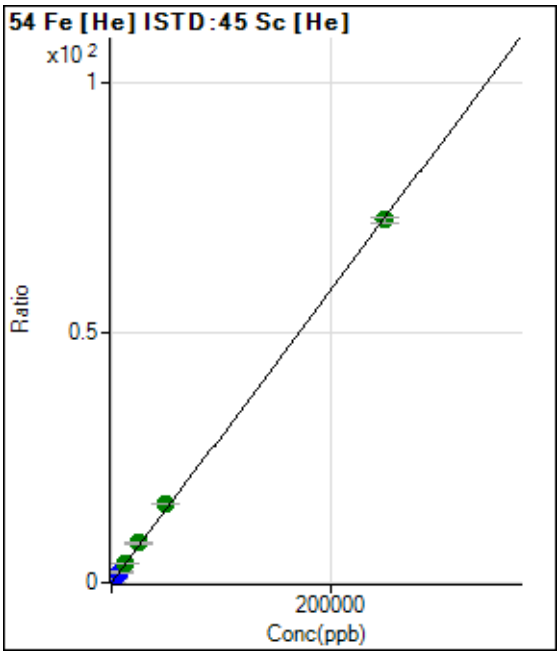
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Inst Id :P7
LB :LB132155




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1161.16 | 0.0033 | P | 6.6 |
| 2 | ☐ | 2.000 | 1.907 | 5843.41 | 0.0159 | P | 0.4 |
| 3 | ☐ | 50.000 | 51.219 | 126812.62 | 0.3431 | P | 1.7 |
| 4 | ☐ | 125.000 | 129.435 | 312767.17 | 0.8622 | P | 1.3 |
| 5 | ☐ | 250.000 | 256.017 | 600278.41 | 1.7022 | P | 0.9 |
| 6 | ☐ | 500.000 | 512.844 | 1180241.66 | 3.4065 | P | 0.8 |
| 7 | ☐ | 1000.000 | 991.459 | 2323180.73 | 6.5826 | A | 1.3 |
| 8 | ☐ | | | 10789.51 | 0.0309 | P | 1.1 |

y = 0.0066 * x + 0.0033
R = 0.9999
DL = 0.09702
BEC = 0.4906

Weight: <None>
Min Conc: 0

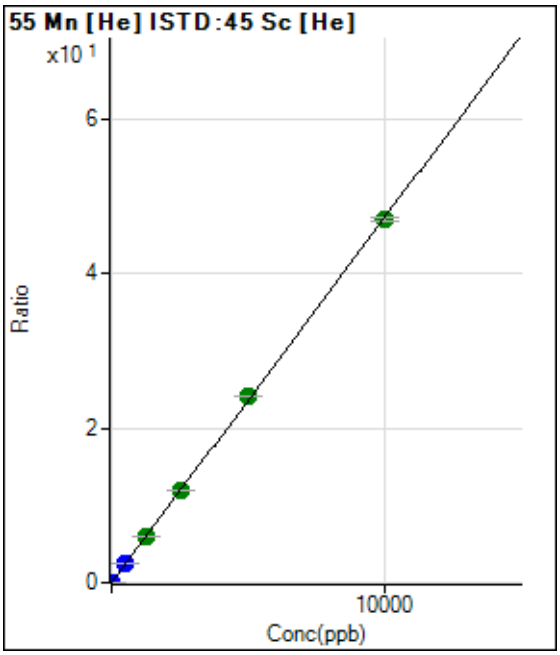



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1467.87 | 0.0041 | P | 1.7 |
| 2 | ☐ | 50.000 | 55.611 | 7468.58 | 0.0203 | P | 0.1 |
| 3 | ☐ | 2500.000 | 2850.458 | 308702.88 | 0.8353 | P | 1.5 |
| 4 | ☐ | 6250.000 | 7225.206 | 765813.57 | 2.1110 | P | 1.0 |
| 5 | ☐ | 12500.000 | 13764.747 | 1416938.50 | 4.0180 | A | 0.6 |
| 6 | ☐ | 25000.000 | 27183.275 | 2747777.11 | 7.9309 | A | 1.2 |
| 7 | ☐ | 50000.000 | 53758.827 | 5534134.36 | 15.6805 | A | 0.4 |
| 8 | ☐ | 250000.00 | 248938.78 | 25384756.29 | 72.5961 | A | 1.7 |

y = 2.9161E-004 * x + 0.0041
R = 0.9999
DL = 0.74
BEC = 14.12

Weight: <None>
Min Conc: 0

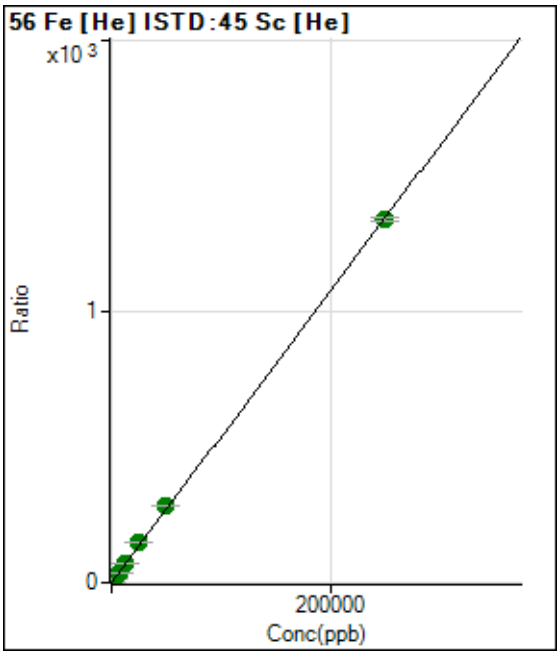
Reviewed By:mohan
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Inst Id :P7
LB :LB132155




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 442.23 | 0.0012 | P | 6.9 |
| 2 | ☐ | 1.000 | 0.967 | 2132.39 | 0.0058 | P | 1.7 |
| 3 | ☐ | 500.000 | 513.055 | 895534.26 | 2.4232 | P | 1.0 |
| 4 | ☐ | 1250.000 | 1267.760 | 2171466.22 | 5.9859 | A | 1.5 |
| 5 | ☐ | 2500.000 | 2529.466 | 4211301.98 | 11.9420 | A | 1.0 |
| 6 | ☐ | 5000.000 | 5092.878 | 8330268.14 | 24.0430 | A | 0.1 |
| 7 | ☐ | 10000.000 | 9943.322 | 16566456.84 | 46.9402 | A | 1.2 |
| 8 | ☐ | | | 9235.14 | 0.0264 | P | 2.4 |

y = 0.0047 * x + 0.0012
R = 0.9999
DL = 0.05469
BEC = 0.2627

Weight: <None>
Min Conc: 0

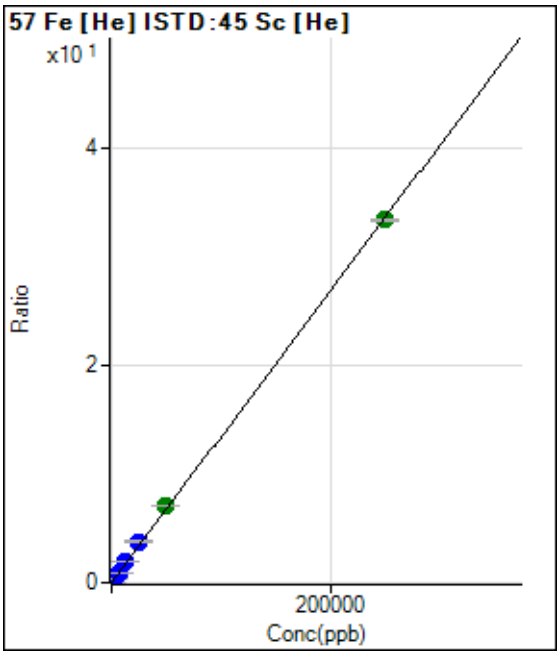



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 13298.20 | 0.0373 | P | 2.6 |
| 2 | ☐ | 50.000 | 53.751 | 119680.02 | 0.3258 | P | 4.0 |
| 3 | ☐ | 2500.000 | 2647.276 | 5264800.96 | 14.2461 | A | 1.5 |
| 4 | ☐ | 6250.000 | 6741.249 | 13139893.55 | 36.2198 | A | 1.5 |
| 5 | ☐ | 12500.000 | 13384.136 | 25346201.56 | 71.8744 | A | 1.0 |
| 6 | ☐ | 25000.000 | 27165.992 | 50531661.47 | 145.8462 | A | 0.2 |
| 7 | ☐ | 50000.000 | 52471.938 | 99410445.18 | 281.6716 | A | 0.4 |
| 8 | ☐ | 250000.00 | 249231.05 | 467788979.7 | 1,337.743 | A | 0.9 |

y = 0.0054 * x + 0.0373
R = 0.9999
DL = 0.5333
BEC = 6.948

Weight: <None>
Min Conc: 0

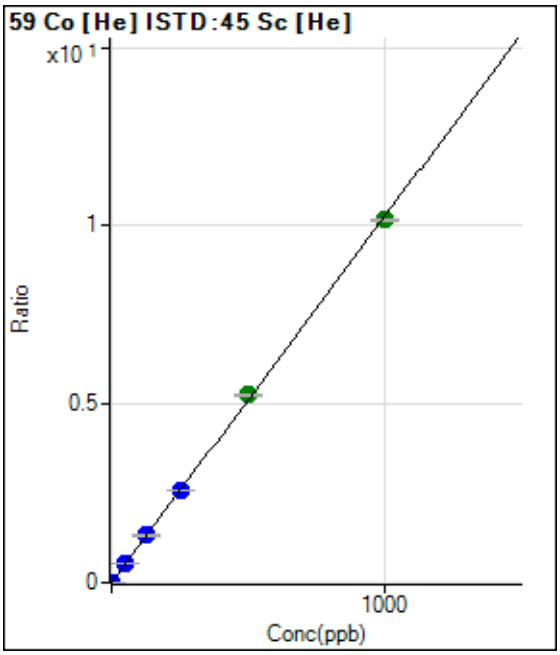
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1513.42 | 0.0042 | P | 4.9 |
| 2 | ☐ | 50.000 | 55.962 | 4318.44 | 0.0118 | P | 0.9 |
| 3 | ☐ | 2500.000 | 2803.741 | 140672.62 | 0.3806 | P | 1.0 |
| 4 | ☐ | 6250.000 | 7116.783 | 348145.09 | 0.9597 | P | 0.6 |
| 5 | ☐ | 12500.000 | 14063.740 | 667302.79 | 1.8923 | P | 0.8 |
| 6 | ☐ | 25000.000 | 28337.427 | 1319481.94 | 3.8085 | P | 0.9 |
| 7 | ☐ | 50000.000 | 52520.762 | 2489929.79 | 7.0551 | A | 0.2 |
| 8 | ☐ | 250000.00 | 249059.21 | 11693186.77 | 33.4400 | A | 0.4 |

y = 1.3425E-004 * x + 0.0042
R = 0.9999
DL = 4.685
BEC = 31.61

Weight: <None>
Min Conc: 0

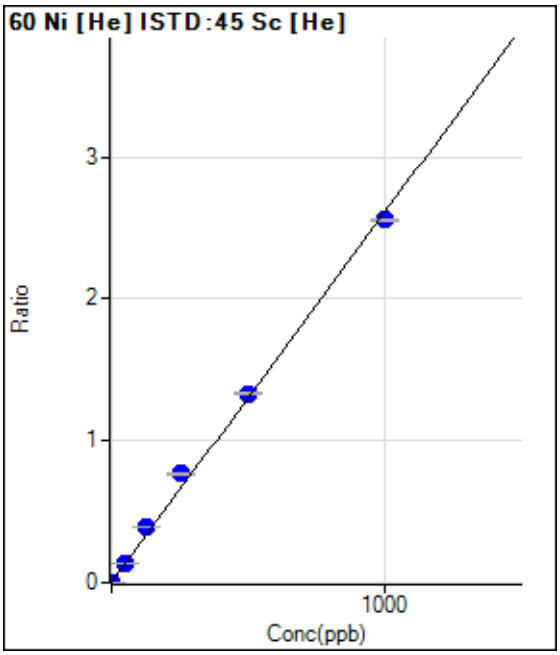



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 112.22 | 0.0003 | P | 1.7 |
| 2 | ☐ | 1.000 | 1.019 | 3951.67 | 0.0108 | P | 0.5 |
| 3 | ☐ | 50.000 | 51.135 | 193777.04 | 0.5243 | P | 0.3 |
| 4 | ☐ | 125.000 | 128.997 | 479649.51 | 1.3222 | P | 0.8 |
| 5 | ☐ | 250.000 | 253.791 | 917240.79 | 2.6010 | P | 0.7 |
| 6 | ☐ | 500.000 | 513.669 | 1823809.95 | 5.2641 | A | 0.8 |
| 7 | ☐ | 1000.000 | 991.662 | 3586590.64 | 10.1623 | A | 0.6 |
| 8 | ☐ | | | 8996.10 | 0.0257 | P | 1.7 |

y = 0.0102 * x + 3.1468E-004
R = 0.9998
DL = 0.00158
BEC = 0.03071

Weight: <None>
Min Conc: 0

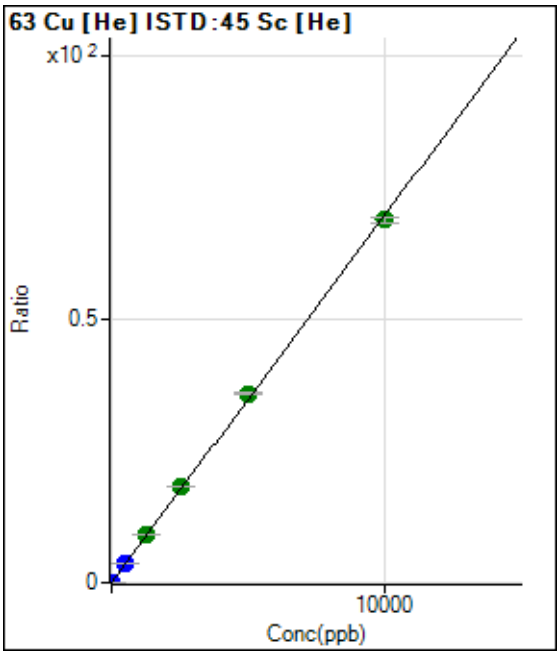
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 328.89 | 0.0009 | P | 11.3 |
| 2 | ☐ | 1.000 | 0.906 | 1206.73 | 0.0033 | P | 6.9 |
| 3 | ☐ | 50.000 | 51.802 | 50253.88 | 0.1360 | P | 0.8 |
| 4 | ☐ | 125.000 | 149.352 | 141592.65 | 0.3903 | P | 0.6 |
| 5 | ☐ | 250.000 | 293.535 | 270211.67 | 0.7662 | P | 0.6 |
| 6 | ☐ | 500.000 | 511.130 | 462009.53 | 1.3335 | P | 1.0 |
| 7 | ☐ | 1000.000 | 980.417 | 902461.36 | 2.5571 | P | 0.8 |
| 8 | ☐ | | | 4538.51 | 0.0130 | P | 2.6 |

y = 0.0026 * x + 9.2235E-004
R = 0.9986
DL = 0.12
BEC = 0.3538

Weight: <None>
Min Conc: 0

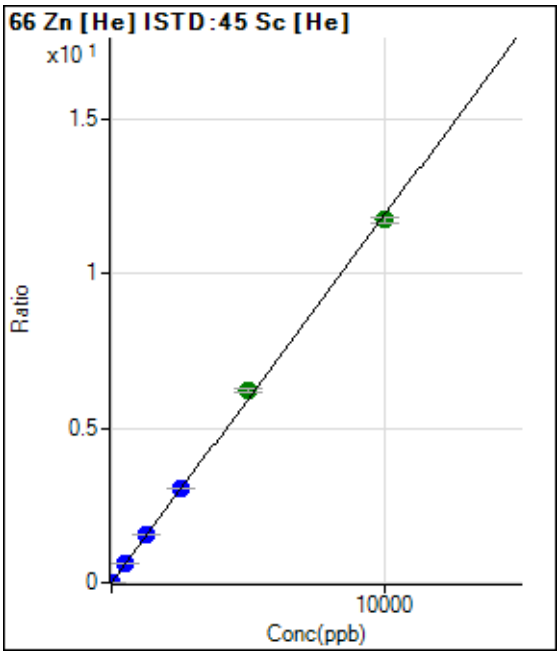



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 887.81 | 0.0025 | P | 3.2 |
| 2 | ☐ | 2.000 | 1.954 | 5907.88 | 0.0161 | P | 1.5 |
| 3 | ☐ | 500.000 | 511.602 | 1316267.73 | 3.5615 | P | 0.5 |
| 4 | ☐ | 1250.000 | 1331.959 | 3362460.30 | 9.2685 | A | 0.5 |
| 5 | ☐ | 2500.000 | 2613.745 | 6413083.17 | 18.1854 | A | 0.3 |
| 6 | ☐ | 5000.000 | 5155.090 | 12425954.53 | 35.8647 | A | 1.7 |
| 7 | ☐ | 10000.000 | 9883.194 | 24266369.64 | 68.7564 | A | 1.3 |
| 8 | ☐ | | | 6122.41 | 0.0175 | P | 0.5 |

y = 0.0070 * x + 0.0025
R = 0.9997
DL = 0.03468
BEC = 0.3579

Weight: <None>
Min Conc: 0

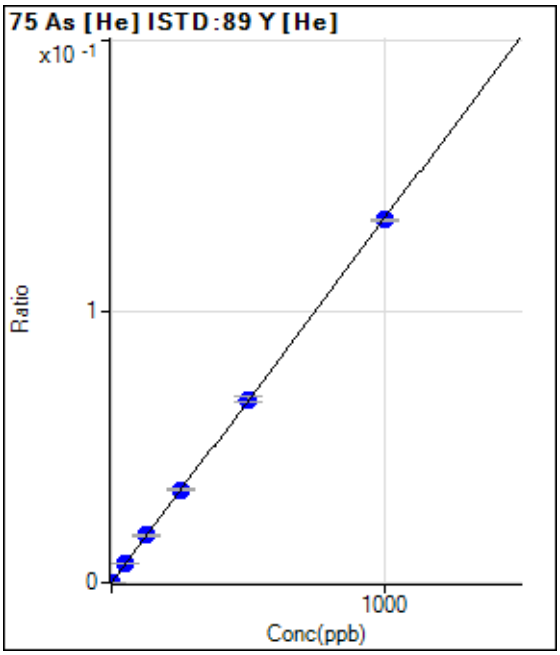
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| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 952.26 | 0.0027 | P | 9.2 |
| 2 | ☐ | 5.000 | 5.229 | 3265.94 | 0.0089 | P | 0.9 |
| 3 | ☐ | 500.000 | 514.304 | 227087.03 | 0.6145 | P | 1.3 |
| 4 | ☐ | 1250.000 | 1289.180 | 557279.25 | 1.5362 | P | 1.4 |
| 5 | ☐ | 2500.000 | 2565.952 | 1077370.32 | 3.0550 | P | 0.6 |
| 6 | ☐ | 5000.000 | 5214.918 | 2150091.24 | 6.2062 | A | 2.3 |
| 7 | ☐ | 10000.000 | 9870.440 | 4144948.20 | 11.7442 | A | 1.4 |
| 8 | ☐ | | | 2741.39 | 0.0078 | P | 2.3 |

y = 0.0012 * x + 0.0027
R = 0.9996
DL = 0.6193
BEC = 2.245

Weight: <None>
Min Conc: 0

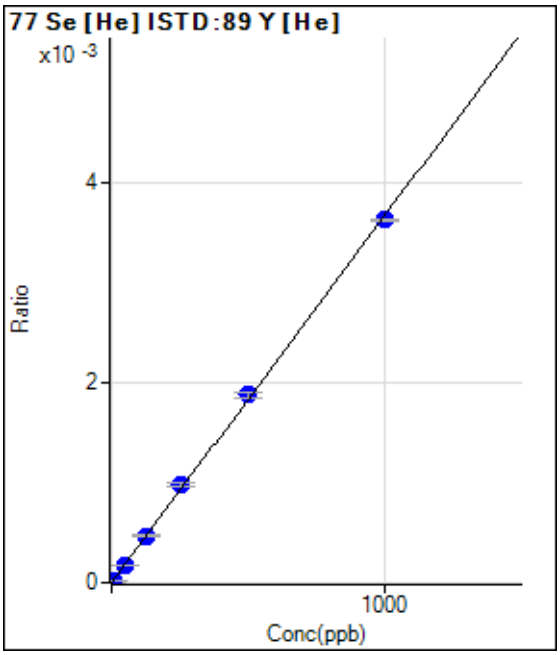



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 8.89 | 0.0000 | P | 43.1 |
| 2 | ☐ | 1.000 | 0.975 | 331.12 | 0.0001 | P | 14.6 |
| 3 | ☐ | 50.000 | 50.903 | 17121.07 | 0.0068 | P | 1.8 |
| 4 | ☐ | 125.000 | 129.449 | 42913.03 | 0.0174 | P | 3.7 |
| 5 | ☐ | 250.000 | 255.270 | 81935.45 | 0.0343 | P | 1.6 |
| 6 | ☐ | 500.000 | 503.915 | 162121.24 | 0.0677 | P | 2.3 |
| 7 | ☐ | 1000.000 | 996.123 | 326480.03 | 0.1338 | P | 0.7 |
| 8 | ☐ | | | 188.89 | 0.0001 | P | 18.3 |

y = 1.3429E-004 * x + 3.6555E-006
R = 1.0000
DL = 0.03519
BEC = 0.02722

Weight: <None>
Min Conc: 0

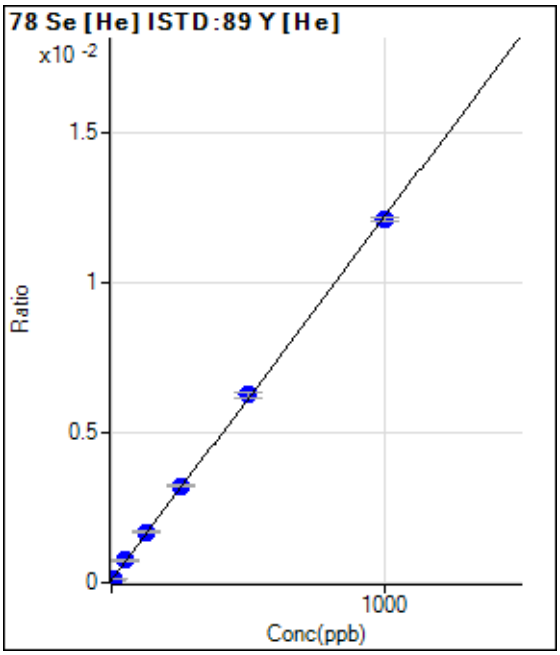
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| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1.11 | 0.0000 | P | 173. |
| 2 | ☐ | 5.000 | 4.708 | 43.33 | 0.0000 | P | 64.0 |
| 3 | ☐ | 50.000 | 46.676 | 428.90 | 0.0002 | P | 5.0 |
| 4 | ☐ | 125.000 | 128.183 | 1160.06 | 0.0005 | P | 4.2 |
| 5 | ☐ | 250.000 | 268.942 | 2353.54 | 0.0010 | P | 3.9 |
| 6 | ☐ | 500.000 | 511.327 | 4484.06 | 0.0019 | P | 4.0 |
| 7 | ☐ | 1000.000 | 989.371 | 8839.38 | 0.0036 | P | 0.4 |
| 8 | ☐ | | | 7.78 | 0.0000 | P | 66.4 |

y = 3.6602E-006 * x + 4.6161E-007
R = 0.9997
DL = 0.6553
BEC = 0.1261

Weight: <None>
Min Conc: 0

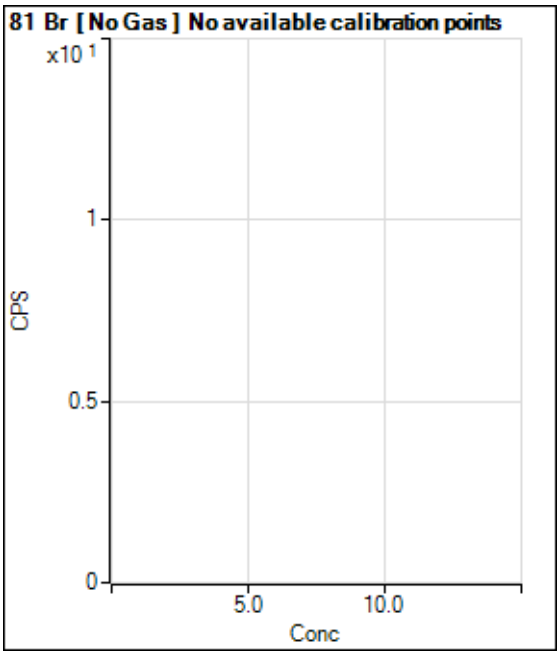



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 204.45 | 0.0001 | P | 7.7 |
| 2 | ☐ | 5.000 | 5.019 | 357.79 | 0.0001 | P | 10.6 |
| 3 | ☐ | 50.000 | 54.310 | 1860.13 | 0.0007 | P | 4.4 |
| 4 | ☐ | 125.000 | 132.664 | 4181.74 | 0.0017 | P | 2.4 |
| 5 | ☐ | 250.000 | 260.219 | 7747.65 | 0.0032 | P | 0.3 |
| 6 | ☐ | 500.000 | 509.331 | 15005.46 | 0.0063 | P | 3.3 |
| 7 | ☐ | 1000.000 | 991.606 | 29571.77 | 0.0121 | P | 1.0 |
| 8 | ☐ | | | 224.45 | 0.0001 | P | 13.7 |

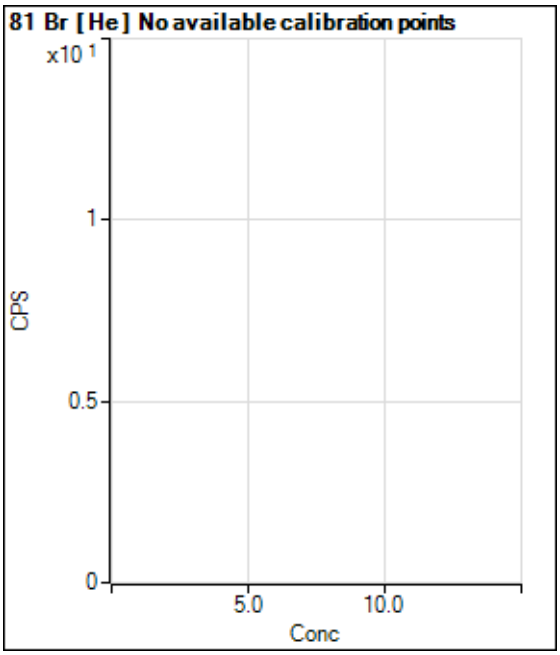
y = 1.2134E-005 * x + 8.4133E-005
R = 0.9999
DL = 1.597
BEC = 6.934

Weight: <None>
Min Conc: 0

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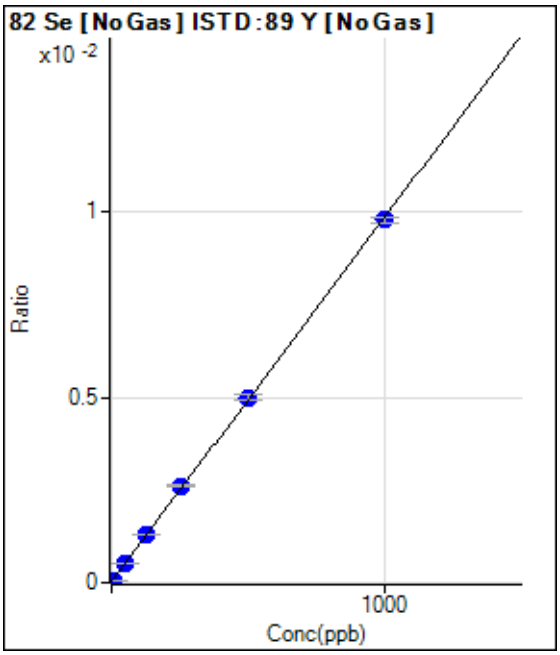



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 7151.79 | | P | 1.2 |
| 2 | ☐ | | | 6971.71 | | P | 2.0 |
| 3 | ☐ | | | 6991.73 | | P | 3.3 |
| 4 | ☐ | | | 6905.01 | | P | 1.9 |
| 5 | ☐ | | | 7059.55 | | P | 4.0 |
| 6 | ☐ | | | 7019.50 | | P | 3.1 |
| 7 | ☐ | | | 7230.71 | | P | 3.0 |
| 8 | ☐ | | | 7893.28 | | P | 2.1 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 60.00 | | P | 33.8 |
| 2 | ☐ | | | 37.78 | | P | 13.5 |
| 3 | ☐ | | | 41.11 | | P | 4.7 |
| 4 | ☐ | | | 27.78 | | P | 30.2 |
| 5 | ☐ | | | 40.00 | | P | 8.3 |
| 6 | ☐ | | | 38.89 | | P | 21.6 |
| 7 | ☐ | | | 44.44 | | P | 26.3 |
| 8 | ☐ | | | 80.00 | | P | 8.3 |

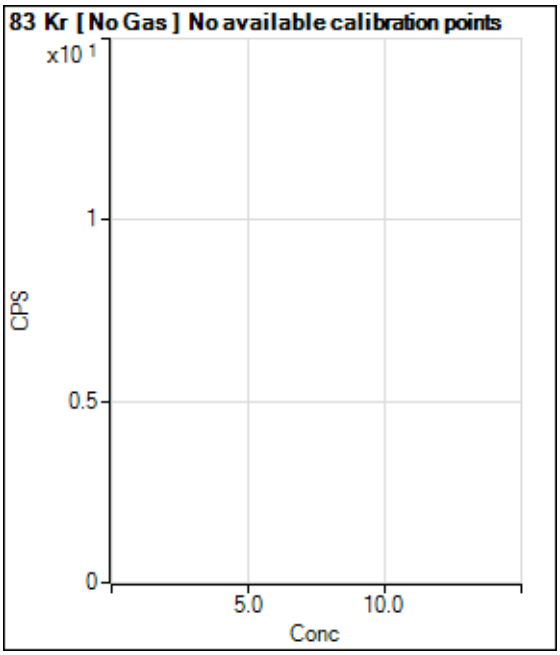
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| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 278.61 | 0.0000 | P | 3.9 |
| 2 | ☐ | 5.000 | 4.652 | 781.31 | 0.0001 | P | 3.9 |
| 3 | ☐ | 50.000 | 51.689 | 5772.78 | 0.0005 | P | 2.2 |
| 4 | ☐ | 125.000 | 128.870 | 14102.88 | 0.0013 | P | 2.3 |
| 5 | ☐ | 250.000 | 261.606 | 27492.82 | 0.0026 | P | 2.1 |
| 6 | ☐ | 500.000 | 506.034 | 53704.35 | 0.0050 | P | 3.6 |
| 7 | ☐ | 1000.000 | 993.515 | 106992.50 | 0.0098 | P | 1.6 |
| 8 | ☐ | | | 432.56 | 0.0000 | P | 7.7 |

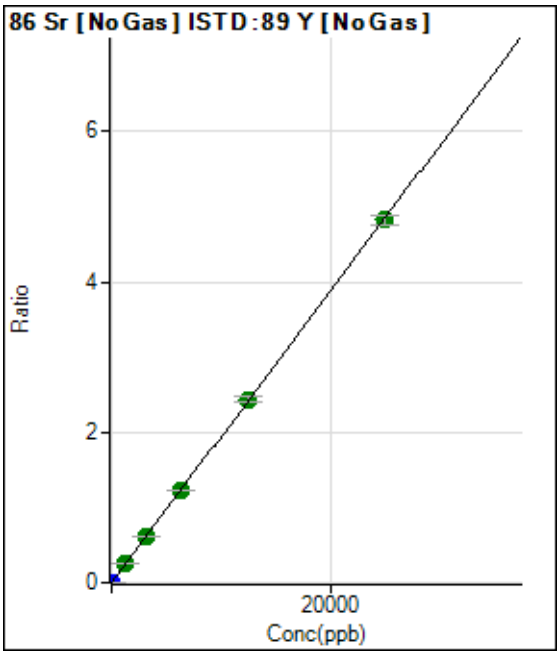
y = 9.8258E-006 * x + 2.6631E-005
R = 0.9999
DL = 0.3147
BEC = 2.71

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 188.89 | | P | 2.7 |
| 2 | ☐ | | | 194.45 | | P | 4.3 |
| 3 | ☐ | | | 192.23 | | P | 9.9 |
| 4 | ☐ | | | 215.56 | | P | 10.9 |
| 5 | ☐ | | | 192.23 | | P | 8.0 |
| 6 | ☐ | | | 202.22 | | P | 6.7 |
| 7 | ☐ | | | 200.01 | | P | 10.4 |
| 8 | ☐ | | | 218.89 | | P | 10.4 |

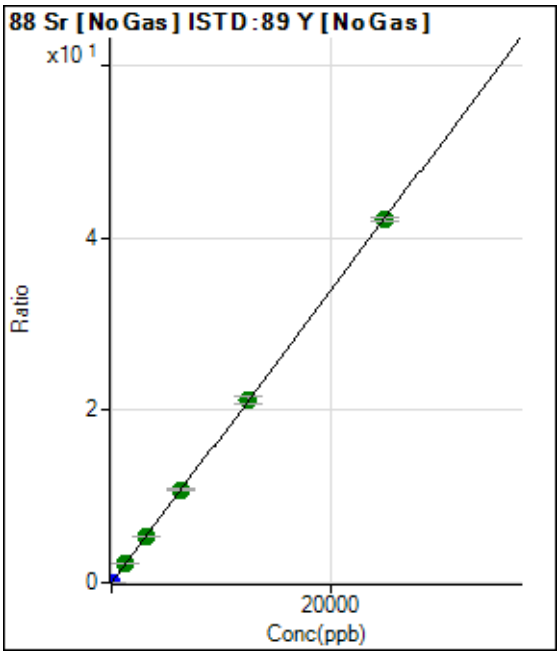
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| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 327.79 | 0.0000 | P | 8.7 |
| 2 | ☐ | 1.000 | 0.927 | 2276.86 | 0.0002 | P | 3.3 |
| 3 | ☐ | 1250.000 | 1277.574 | 2672570.58 | 0.2474 | A | 0.3 |
| 4 | ☐ | 3125.000 | 3188.045 | 6735229.55 | 0.6174 | A | 1.6 |
| 5 | ☐ | 6250.000 | 6323.958 | 12964351.75 | 1.2247 | A | 1.5 |
| 6 | ☐ | 12500.000 | 12600.503 | 26216858.22 | 2.4401 | A | 3.3 |
| 7 | ☐ | 25000.000 | 24922.000 | 52744906.99 | 4.8262 | A | 2.9 |
| 8 | ☐ | | | 9390.85 | 0.0009 | P | 1.8 |

y = 1.9365E-004 * x + 3.1348E-005
R = 1.0000
DL = 0.04243
BEC = 0.1619

Weight: <None>
Min Conc: 0

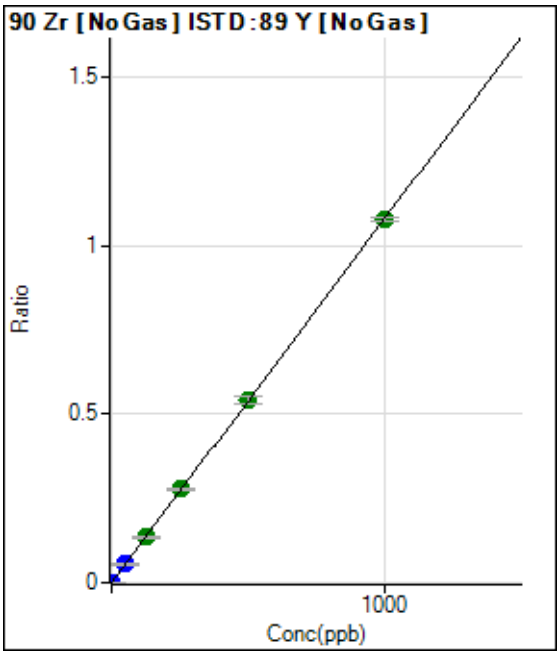



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 322.23 | 0.0000 | P | 10.7 |
| 2 | ☐ | 1.000 | 0.958 | 17795.31 | 0.0016 | P | 1.2 |
| 3 | ☐ | 1250.000 | 1274.752 | 23244792.71 | 2.1521 | A | 0.3 |
| 4 | ☐ | 3125.000 | 3192.952 | 58810540.23 | 5.3904 | A | 0.7 |
| 5 | ☐ | 6250.000 | 6375.904 | 113945928.3 | 10.7640 | A | 1.5 |
| 6 | ☐ | 12500.000 | 12577.178 | 228132534.3 | 21.2331 | A | 3.8 |
| 7 | ☐ | 25000.000 | 24920.203 | 459866682.0 | 42.0709 | A | 1.2 |
| 8 | ☐ | | | 79829.93 | 0.0077 | P | 3.6 |

y = 0.0017 * x + 3.0817E-005
R = 1.0000
DL = 0.005851
BEC = 0.01825

Weight: <None>
Min Conc: 0

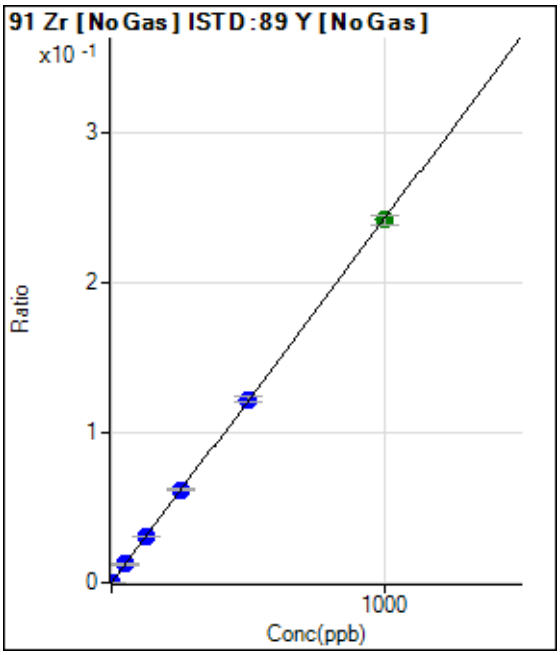
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| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 461.13 | 0.0000 | P | 9.2 |
| 2 | ☐ | 1.000 | 0.859 | 10490.48 | 0.0010 | P | 2.7 |
| 3 | ☐ | 50.000 | 50.376 | 587997.26 | 0.0544 | P | 2.2 |
| 4 | ☐ | 125.000 | 125.907 | 1483620.95 | 0.1360 | A | 2.9 |
| 5 | ☐ | 250.000 | 256.869 | 2937071.66 | 0.2774 | A | 0.6 |
| 6 | ☐ | 500.000 | 501.793 | 5822169.64 | 0.5419 | A | 3.6 |
| 7 | ☐ | 1000.000 | 997.254 | 11772221.63 | 1.0770 | A | 1.2 |
| 8 | ☐ | | | 6590.43 | 0.0006 | P | 2.3 |

y = 0.0011 * x + 4.4100E-005
R = 1.0000
DL = 0.01124
BEC = 0.04084

Weight: <None>
Min Conc: 0

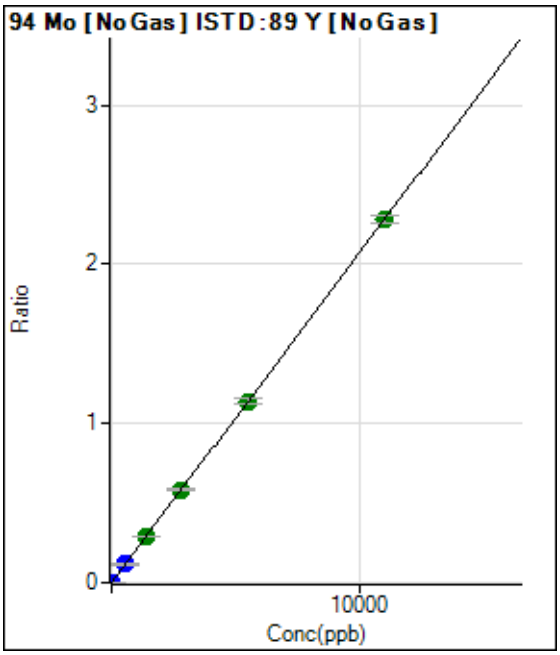



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 95.56 | 0.0000 | P | 16.0 |
| 2 | ☐ | 1.000 | 0.848 | 2320.21 | 0.0002 | P | 0.2 |
| 3 | ☐ | 50.000 | 50.579 | 132521.47 | 0.0123 | P | 2.0 |
| 4 | ☐ | 125.000 | 126.801 | 335419.72 | 0.0307 | P | 1.9 |
| 5 | ☐ | 250.000 | 255.351 | 655391.83 | 0.0619 | P | 1.8 |
| 6 | ☐ | 500.000 | 503.406 | 1311184.67 | 0.1220 | P | 3.5 |
| 7 | ☐ | 1000.000 | 996.705 | 2640856.32 | 0.2416 | A | 2.6 |
| 8 | ☐ | | | 1456.76 | 0.0001 | P | 1.4 |

y = 2.4242E-004 * x + 9.1380E-006
R = 1.0000
DL = 0.01812
BEC = 0.0377

Weight: <None>
Min Conc: 0

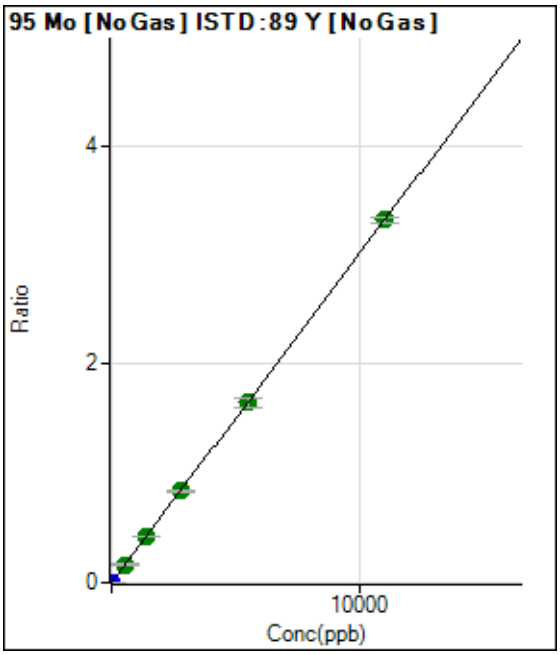
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| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 255.56 | 0.0000 | P | 4.8 |
| 2 | ☐ | 5.000 | 5.495 | 12574.39 | 0.0012 | P | 1.6 |
| 3 | ☐ | 550.000 | 555.779 | 1245521.46 | 0.1153 | P | 1.8 |
| 4 | ☐ | 1375.000 | 1387.916 | 3141270.79 | 0.2880 | A | 2.1 |
| 5 | ☐ | 2750.000 | 2812.658 | 6177404.21 | 0.5836 | A | 1.4 |
| 6 | ☐ | 5500.000 | 5486.672 | 12229222.46 | 1.1383 | A | 3.6 |
| 7 | ☐ | 11000.000 | 10989.096 | 24918933.52 | 2.2799 | A | 2.0 |
| 8 | ☐ | | | 7202.95 | 0.0007 | P | 4.1 |

y = 2.0746E-004 * x + 2.4428E-005
R = 1.0000
DL = 0.01695
BEC = 0.1177

Weight: <None>
Min Conc: 0

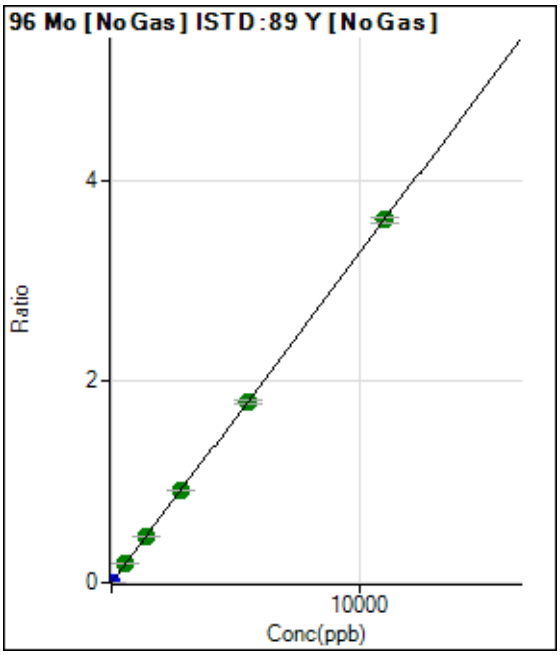



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 163.33 | 0.0000 | P | 3.0 |
| 2 | ☐ | 5.000 | 4.649 | 15299.19 | 0.0014 | P | 1.4 |
| 3 | ☐ | 550.000 | 551.461 | 1794933.60 | 0.1662 | A | 1.8 |
| 4 | ☐ | 1375.000 | 1398.873 | 4598837.29 | 0.4216 | A | 1.8 |
| 5 | ☐ | 2750.000 | 2778.056 | 8862384.17 | 0.8372 | A | 1.5 |
| 6 | ☐ | 5500.000 | 5458.978 | 17673440.43 | 1.6451 | A | 4.5 |
| 7 | ☐ | 11000.000 | 11010.440 | 36267366.40 | 3.3181 | A | 1.6 |
| 8 | ☐ | | | 7677.64 | 0.0007 | P | 2.1 |

y = 3.0136E-004 * x + 1.5613E-005
R = 1.0000
DL = 0.004695
BEC = 0.05181

Weight: <None>
Min Conc: 0

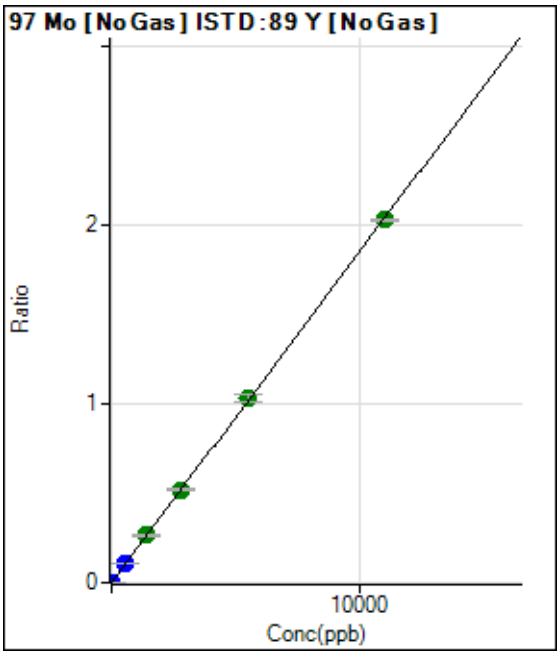
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| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 195.56 | 0.0000 | P | 16.5 |
| 2 | ☐ | 5.000 | 4.717 | 16897.64 | 0.0016 | P | 0.7 |
| 3 | ☐ | 550.000 | 564.334 | 1997428.41 | 0.1850 | A | 2.6 |
| 4 | ☐ | 1375.000 | 1406.328 | 5027575.41 | 0.4609 | A | 1.8 |
| 5 | ☐ | 2750.000 | 2798.031 | 9706669.37 | 0.9169 | A | 1.7 |
| 6 | ☐ | 5500.000 | 5475.311 | 19281233.05 | 1.7943 | A | 1.9 |
| 7 | ☐ | 11000.000 | 10995.704 | 39386014.41 | 3.6034 | A | 1.4 |
| 8 | ☐ | | | 14901.05 | 0.0014 | P | 1.4 |

y = 3.2771E-004 * x + 1.8684E-005
R = 1.0000
DL = 0.0282
BEC = 0.05702

Weight: <None>
Min Conc: 0

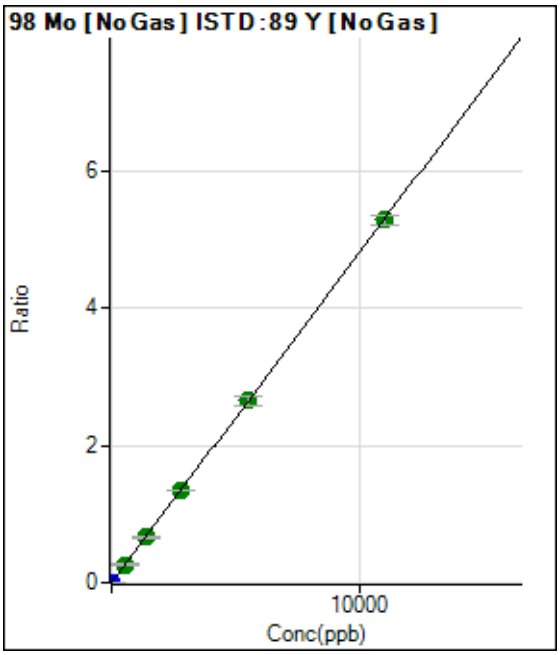



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 118.89 | 0.0000 | P | 11.1 |
| 2 | ☐ | 5.000 | 4.732 | 9605.46 | 0.0009 | P | 2.2 |
| 3 | ☐ | 550.000 | 559.265 | 1120883.13 | 0.1038 | P | 1.7 |
| 4 | ☐ | 1375.000 | 1423.909 | 2882401.28 | 0.2642 | A | 1.9 |
| 5 | ☐ | 2750.000 | 2804.640 | 5509294.99 | 0.5204 | A | 1.4 |
| 6 | ☐ | 5500.000 | 5555.029 | 11073690.53 | 1.0308 | A | 4.3 |
| 7 | ☐ | 11000.000 | 10952.249 | 22215025.78 | 2.0323 | A | 0.8 |
| 8 | ☐ | | | 4661.90 | 0.0005 | P | 2.3 |

y = 1.8556E-004 * x + 1.1370E-005
R = 1.0000
DL = 0.02042
BEC = 0.06128

Weight: <None>
Min Conc: 0

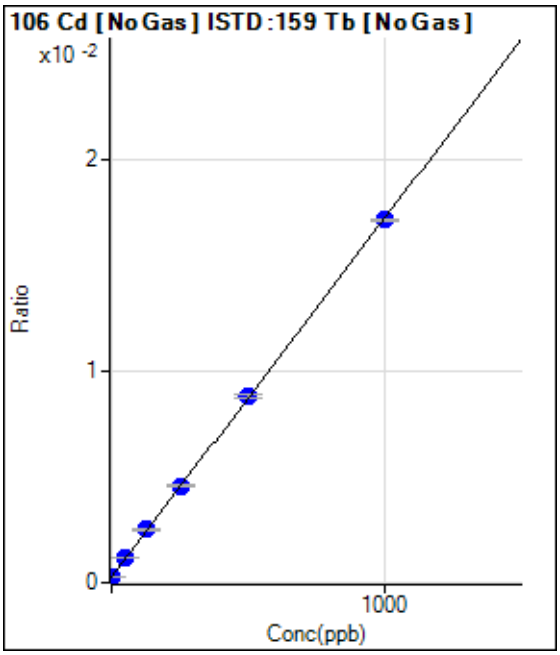
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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 235.56 | 0.0000 | P | 7.5 |
| 2 | ☐ | 5.000 | 4.697 | 24649.75 | 0.0023 | P | 2.3 |
| 3 | ☐ | 550.000 | 551.671 | 2867168.74 | 0.2655 | A | 1.2 |
| 4 | ☐ | 1375.000 | 1379.900 | 7243307.32 | 0.6640 | A | 1.9 |
| 5 | ☐ | 2750.000 | 2798.300 | 14253733.82 | 1.3465 | A | 1.7 |
| 6 | ☐ | 5500.000 | 5517.474 | 28518566.24 | 2.6549 | A | 5.4 |
| 7 | ☐ | 11000.000 | 10978.492 | 57738470.81 | 5.2826 | A | 2.3 |
| 8 | ☐ | | | 11744.82 | 0.0011 | P | 3.5 |

y = 4.8118E-004 * x + 2.2517E-005
R = 1.0000
DL = 0.01055
BEC = 0.0468

Weight: <None>
Min Conc: 0

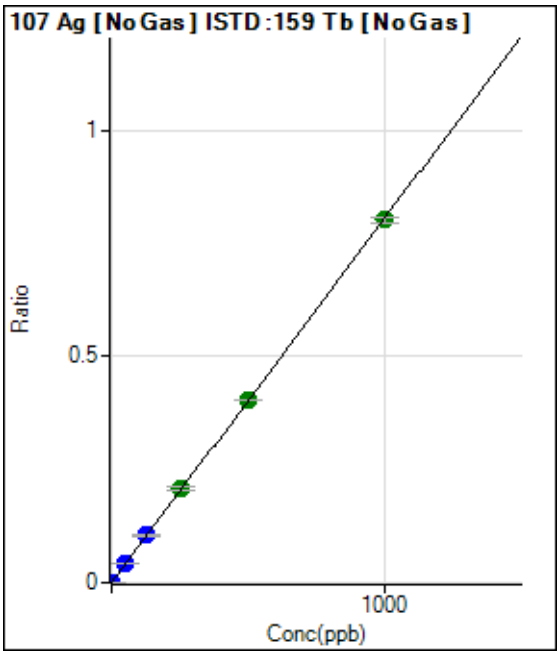



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 2514.69 | 0.0003 | P | 3.2 |
| 2 | ☐ | 1.000 | 0.192 | 2556.92 | 0.0003 | P | 3.2 |
| 3 | ☐ | 50.000 | 52.911 | 11325.61 | 0.0012 | P | 1.3 |
| 4 | ☐ | 125.000 | 132.085 | 24617.65 | 0.0025 | P | 1.2 |
| 5 | ☐ | 250.000 | 254.405 | 45431.91 | 0.0046 | P | 1.9 |
| 6 | ☐ | 500.000 | 503.410 | 87780.02 | 0.0088 | P | 2.1 |
| 7 | ☐ | 1000.000 | 996.163 | 170266.91 | 0.0171 | P | 0.8 |
| 8 | ☐ | | | 2436.90 | 0.0003 | P | 1.7 |

y = 1.6920E-005 * x + 2.6437E-004
R = 1.0000
DL = 1.52
BEC = 15.62

Weight: <None>
Min Conc: 0

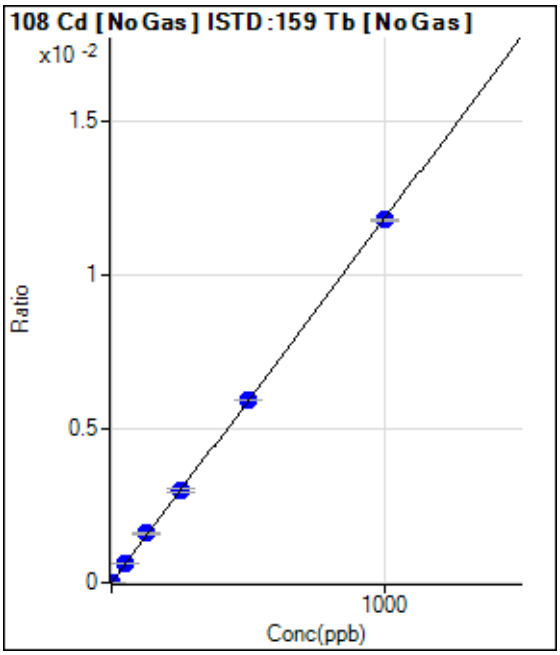
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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 47.78 | 0.0000 | P | 35.1 |
| 2 | ☐ | 1.000 | 0.914 | 7061.77 | 0.0007 | P | 2.1 |
| 3 | ☐ | 50.000 | 52.236 | 410306.96 | 0.0420 | P | 2.7 |
| 4 | ☐ | 125.000 | 130.386 | 1032935.44 | 0.1049 | P | 1.7 |
| 5 | ☐ | 250.000 | 258.628 | 2067981.39 | 0.2080 | A | 4.2 |
| 6 | ☐ | 500.000 | 501.782 | 4035154.80 | 0.4036 | A | 0.4 |
| 7 | ☐ | 1000.000 | 996.167 | 7968056.90 | 0.8012 | A | 1.5 |
| 8 | ☐ | | | 1037.83 | 0.0001 | P | 4.0 |

y = 8.0429E-004 * x + 5.0163E-006
R = 1.0000
DL = 0.00656
BEC = 0.006237

Weight: <None>
Min Conc: 0

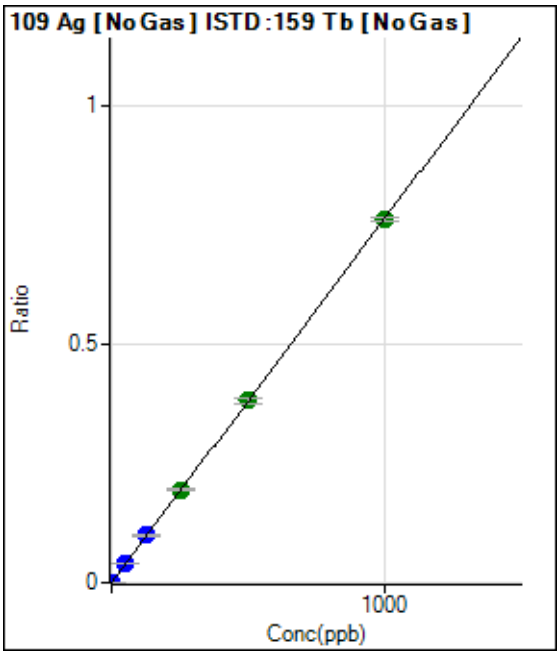



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 14.44 | 0.0000 | P | 12.5 |
| 2 | ☐ | 1.000 | 1.178 | 147.78 | 0.0000 | P | 8.0 |
| 3 | ☐ | 50.000 | 52.514 | 6085.77 | 0.0006 | P | 4.0 |
| 4 | ☐ | 125.000 | 134.851 | 15738.64 | 0.0016 | P | 3.6 |
| 5 | ☐ | 250.000 | 254.276 | 29945.38 | 0.0030 | P | 3.5 |
| 6 | ☐ | 500.000 | 501.633 | 59391.03 | 0.0059 | P | 0.6 |
| 7 | ☐ | 1000.000 | 996.757 | 117388.50 | 0.0118 | P | 0.2 |
| 8 | ☐ | | | 78.89 | 0.0000 | P | 5.7 |

y = 1.1840E-005 * x + 1.5174E-006
R = 0.9999
DL = 0.04791
BEC = 0.1282

Weight: <None>
Min Conc: 0

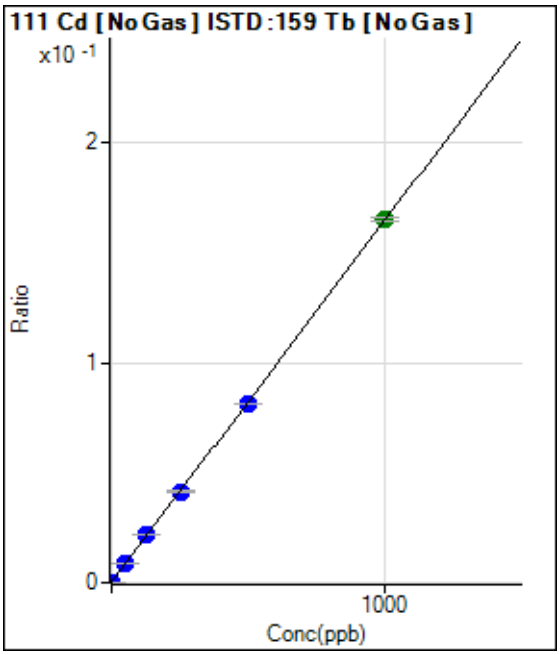
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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 28.89 | 0.0000 | P | 34.7 |
| 2 | ☐ | 1.000 | 0.897 | 6566.00 | 0.0007 | P | 3.5 |
| 3 | ☐ | 50.000 | 51.703 | 385534.14 | 0.0395 | P | 1.4 |
| 4 | ☐ | 125.000 | 130.539 | 981504.17 | 0.0997 | P | 2.4 |
| 5 | ☐ | 250.000 | 256.099 | 1943715.89 | 0.1955 | A | 3.2 |
| 6 | ☐ | 500.000 | 500.962 | 3821978.07 | 0.3824 | A | 3.0 |
| 7 | ☐ | 1000.000 | 997.217 | 7570997.11 | 0.7613 | A | 1.1 |
| 8 | ☐ | | | 990.05 | 0.0001 | P | 13.9 |

y = 7.6339E-004 * x + 3.0451E-006
R = 1.0000
DL = 0.004147
BEC = 0.003989

Weight: <None>
Min Conc: 0

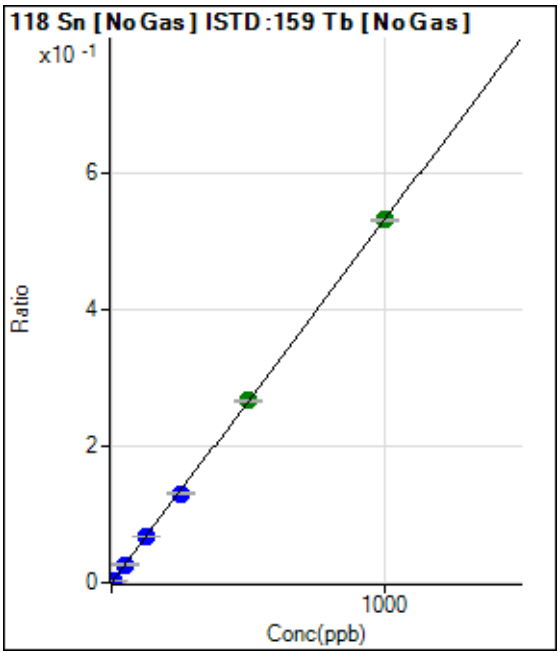



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1785.73 | 0.0002 | P | 4.2 |
| 2 | ☐ | 1.000 | 0.936 | 3264.28 | 0.0003 | P | 4.7 |
| 3 | ☐ | 50.000 | 51.761 | 84943.37 | 0.0087 | P | 2.3 |
| 4 | ☐ | 125.000 | 130.859 | 213768.41 | 0.0217 | P | 1.5 |
| 5 | ☐ | 250.000 | 251.337 | 412727.61 | 0.0415 | P | 2.8 |
| 6 | ☐ | 500.000 | 493.205 | 812639.61 | 0.0813 | P | 0.4 |
| 7 | ☐ | 1000.000 | 1002.243 | 1640907.71 | 0.1650 | A | 0.9 |
| 8 | ☐ | | | 2018.39 | 0.0002 | P | 2.9 |

y = 1.6442E-004 * x + 1.8773E-004
R = 0.9999
DL = 0.1433
BEC = 1.142

Weight: <None>
Min Conc: 0

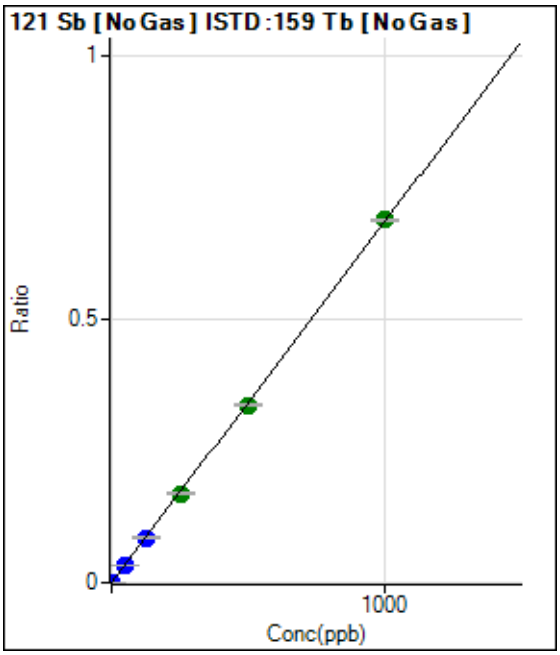
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Inst Id :P7
LB :LB132155




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 953.38 | 0.0001 | P | 0.9 |
| 2 | ☐ | 5.000 | 4.677 | 24719.07 | 0.0026 | P | 2.6 |
| 3 | ☐ | 50.000 | 50.069 | 261242.62 | 0.0267 | P | 2.2 |
| 4 | ☐ | 125.000 | 126.582 | 664582.18 | 0.0675 | P | 1.7 |
| 5 | ☐ | 250.000 | 245.694 | 1301204.80 | 0.1309 | P | 2.6 |
| 6 | ☐ | 500.000 | 501.522 | 2669768.76 | 0.2670 | A | 0.4 |
| 7 | ☐ | 1000.000 | 1000.116 | 5295442.49 | 0.5324 | A | 0.3 |
| 8 | ☐ | | | 4990.92 | 0.0005 | P | 8.4 |

y = 5.3225E-004 * x + 1.0022E-004
R = 1.0000
DL = 0.00501
BEC = 0.1883

Weight: <None>
Min Conc: 0

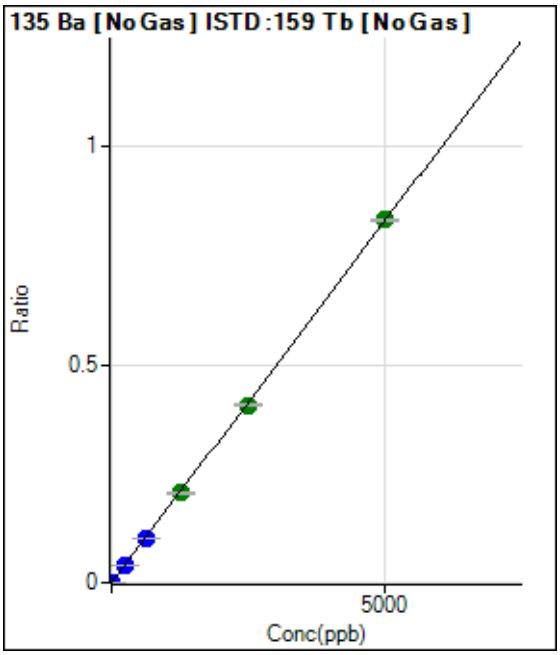



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 54.44 | 0.0000 | P | 26.5 |
| 2 | ☐ | 2.000 | 1.829 | 12001.76 | 0.0013 | P | 2.7 |
| 3 | ☐ | 50.000 | 48.904 | 326832.19 | 0.0335 | P | 2.7 |
| 4 | ☐ | 125.000 | 124.073 | 836173.77 | 0.0849 | P | 1.9 |
| 5 | ☐ | 250.000 | 245.551 | 1670668.08 | 0.1680 | A | 1.8 |
| 6 | ☐ | 500.000 | 491.721 | 3363566.16 | 0.3364 | A | 0.8 |
| 7 | ☐ | 1000.000 | 1005.423 | 6842160.25 | 0.6879 | A | 0.6 |
| 8 | ☐ | | | 5173.20 | 0.0005 | P | 5.6 |

y = 6.8421E-004 * x + 5.7117E-006
R = 0.9999
DL = 0.006644
BEC = 0.008348

Weight: <None>
Min Conc: 0

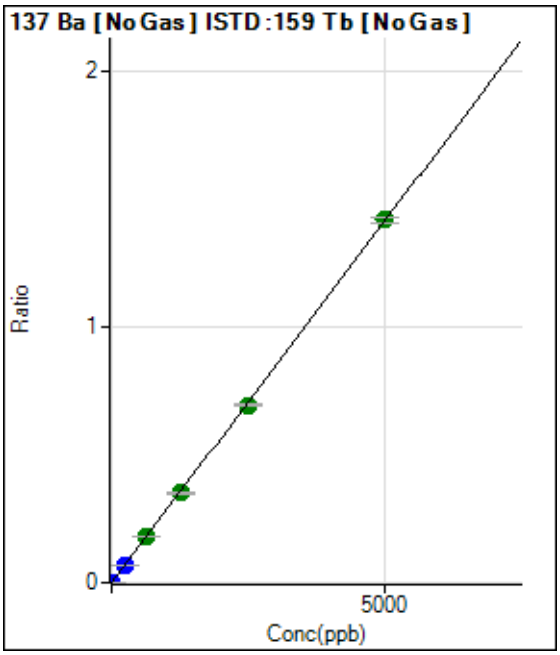
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| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 91.11 | 0.0000 | P | 33.8 |
| 2 | ☐ | 10.000 | 8.863 | 14092.66 | 0.0015 | P | 2.3 |
| 3 | ☐ | 250.000 | 239.222 | 386775.52 | 0.0396 | P | 1.5 |
| 4 | ☐ | 625.000 | 607.489 | 990386.80 | 0.1006 | P | 1.4 |
| 5 | ☐ | 1250.000 | 1244.866 | 2048865.72 | 0.2060 | A | 1.6 |
| 6 | ☐ | 2500.000 | 2458.520 | 4068295.22 | 0.4069 | A | 0.8 |
| 7 | ☐ | 5000.000 | 5024.753 | 8270970.22 | 0.8316 | A | 0.7 |
| 8 | ☐ | | | 3168.16 | 0.0003 | P | 4.3 |

y = 1.6550E-004 * x + 9.5649E-006
R = 0.9999
DL = 0.05853
BEC = 0.05779

Weight: <None>
Min Conc: 0

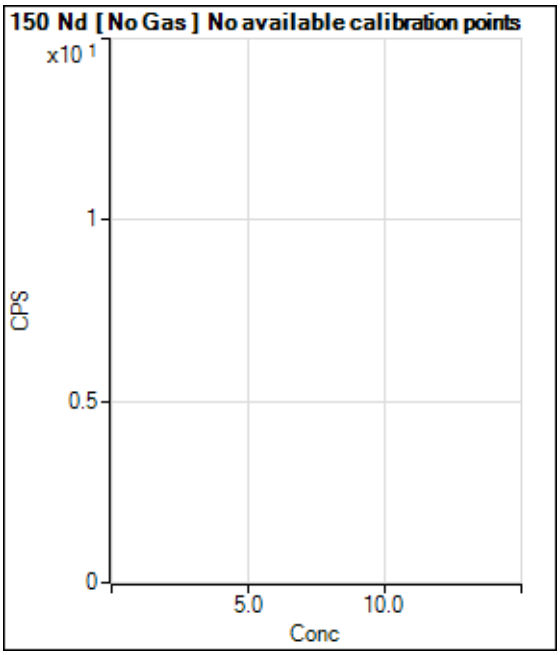



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 133.34 | 0.0000 | P | 13.8 |
| 2 | ☐ | 10.000 | 9.013 | 24443.33 | 0.0026 | P | 4.4 |
| 3 | ☐ | 250.000 | 241.799 | 667596.61 | 0.0684 | P | 1.8 |
| 4 | ☐ | 625.000 | 637.038 | 1773615.04 | 0.1801 | A | 1.8 |
| 5 | ☐ | 1250.000 | 1245.211 | 3500080.50 | 0.3520 | A | 1.7 |
| 6 | ☐ | 2500.000 | 2460.549 | 6951420.73 | 0.6955 | A | 2.1 |
| 7 | ☐ | 5000.000 | 5019.830 | 14112585.48 | 1.4188 | A | 1.2 |
| 8 | ☐ | | | 5681.19 | 0.0006 | P | 2.1 |

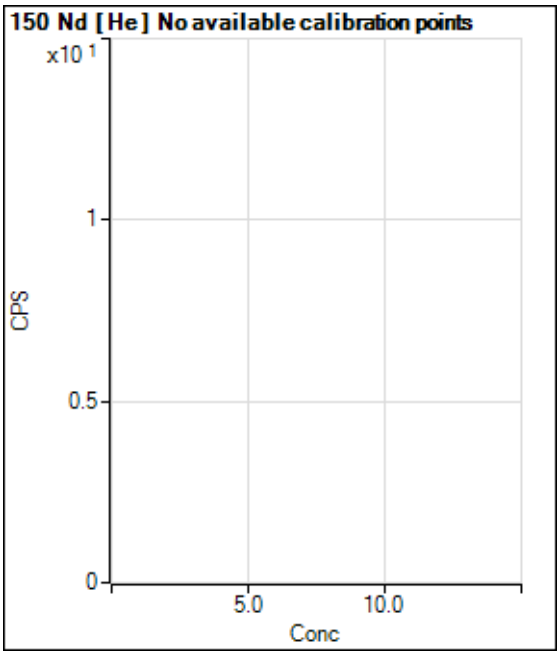
y = 2.8265E-004 * x + 1.4025E-005
R = 0.9999
DL = 0.0206
BEC = 0.04962

Weight: <None>
Min Conc: 0

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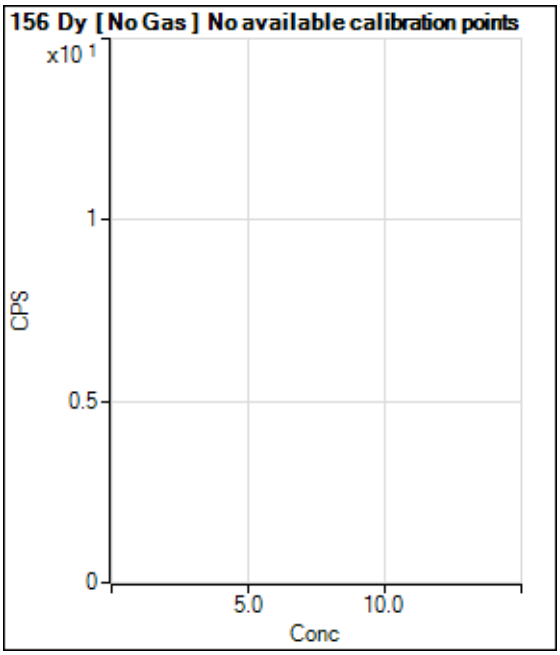



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 13.33 | | P | 25.0 |
| 2 | ☐ | | | 21.11 | | P | 24.1 |
| 3 | ☐ | | | 24.44 | | P | 41.7 |
| 4 | ☐ | | | 65.56 | | P | 45.6 |
| 5 | ☐ | | | 121.11 | | P | 20.3 |
| 6 | ☐ | | | 224.45 | | P | 16.0 |
| 7 | ☐ | | | 400.01 | | P | 4.4 |
| 8 | ☐ | | | 101.11 | | P | 5.0 |

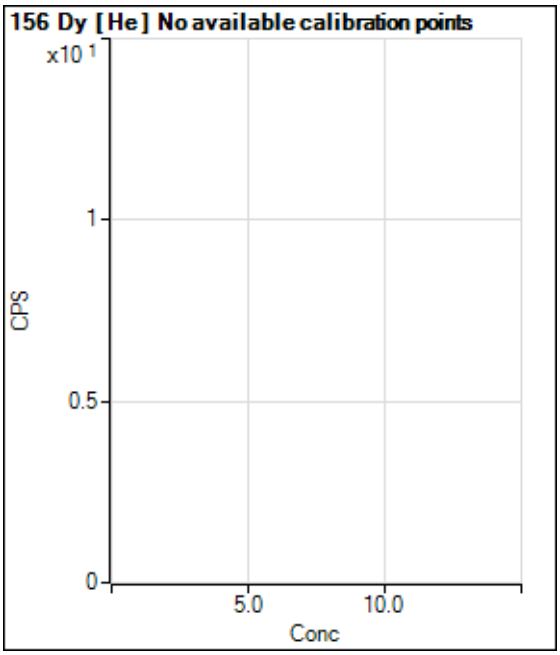



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 5.56 | | P | 34.7 |
| 2 | ☐ | | | 6.66 | | P | 86.6 |
| 3 | ☐ | | | 15.55 | | P | 24.8 |
| 4 | ☐ | | | 20.00 | | P | 44.1 |
| 5 | ☐ | | | 36.67 | | P | 39.6 |
| 6 | ☐ | | | 70.00 | | P | 34.3 |
| 7 | ☐ | | | 112.22 | | P | 14.0 |
| 8 | ☐ | | | 81.11 | | P | 12.6 |

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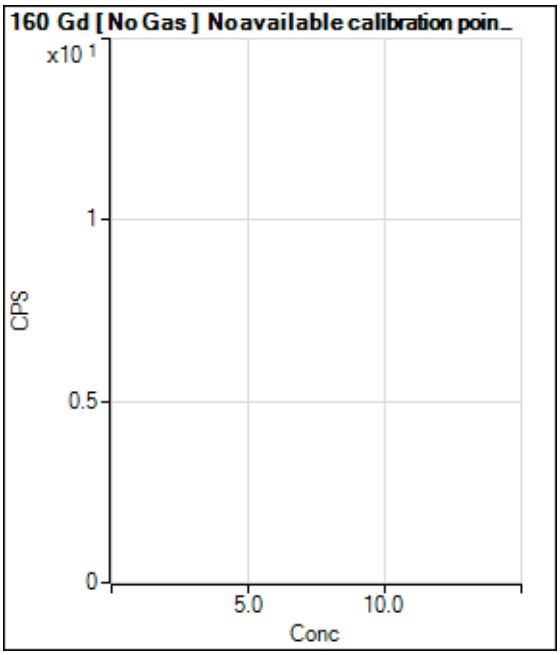



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 66.67 | | P | 5.0 |
| 2 | ☐ | | | 54.44 | | P | 40.8 |
| 3 | ☐ | | | 60.00 | | P | 24.2 |
| 4 | ☐ | | | 77.78 | | P | 6.5 |
| 5 | ☐ | | | 98.89 | | P | 40.8 |
| 6 | ☐ | | | 135.56 | | P | 7.9 |
| 7 | ☐ | | | 234.45 | | P | 12.4 |
| 8 | ☐ | | | 267.78 | | P | 8.0 |

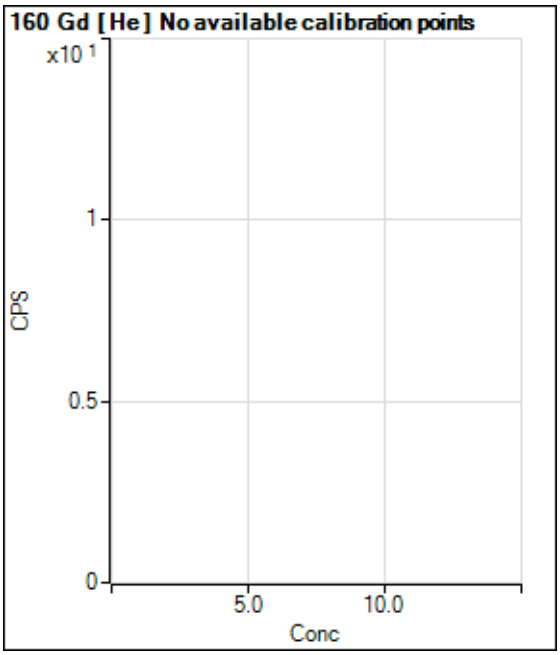



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 11.11 | | P | 17.3 |
| 2 | ☐ | | | 10.00 | | P | 57.7 |
| 3 | ☐ | | | 28.89 | | P | 26.6 |
| 4 | ☐ | | | 71.11 | | P | 19.5 |
| 5 | ☐ | | | 126.67 | | P | 7.0 |
| 6 | ☐ | | | 238.89 | | P | 8.9 |
| 7 | ☐ | | | 372.23 | | P | 13.0 |
| 8 | ☐ | | | 205.56 | | P | 17.9 |

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On:8/26/2024 3:35:59 PM
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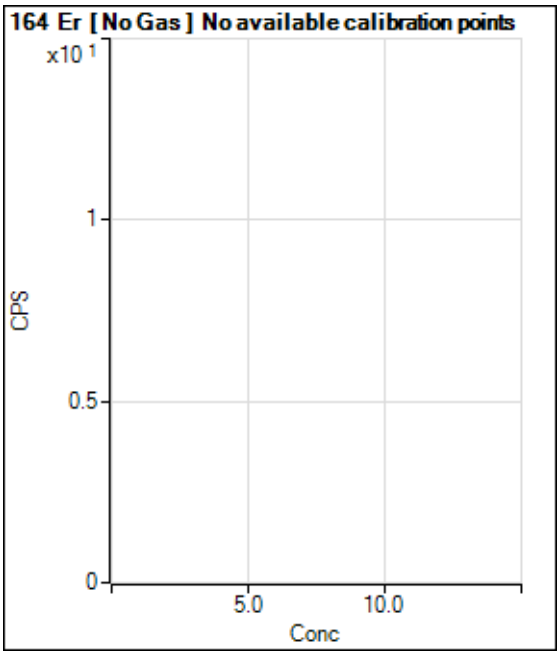



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 36.67 | | P | 27.3 |
| 2 | ☐ | | | 51.11 | | P | 16.4 |
| 3 | ☐ | | | 56.66 | | P | 20.4 |
| 4 | ☐ | | | 64.44 | | P | 13.0 |
| 5 | ☐ | | | 81.11 | | P | 8.6 |
| 6 | ☐ | | | 95.56 | | P | 8.8 |
| 7 | ☐ | | | 155.56 | | P | 10.6 |
| 8 | ☐ | | | 250.00 | | P | 4.0 |

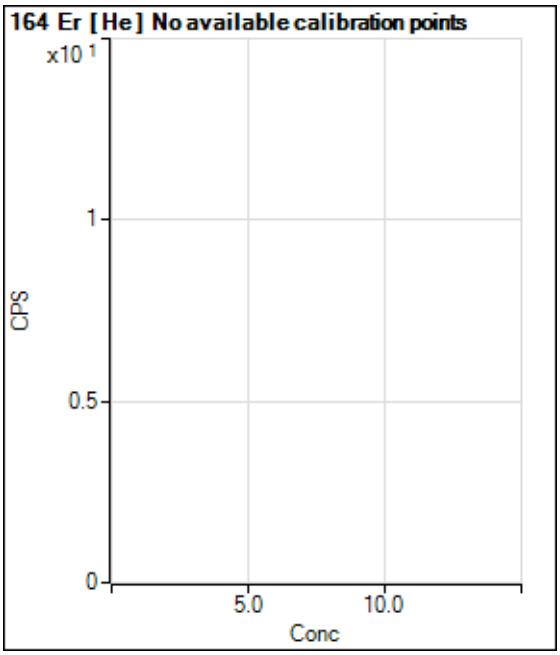



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 238.89 | | P | 6.6 |
| 2 | ☐ | | | 274.45 | | P | 12.5 |
| 3 | ☐ | | | 276.67 | | P | 16.7 |
| 4 | ☐ | | | 287.78 | | P | 5.9 |
| 5 | ☐ | | | 292.23 | | P | 20.7 |
| 6 | ☐ | | | 298.89 | | P | 4.5 |
| 7 | ☐ | | | 383.34 | | P | 4.6 |
| 8 | ☐ | | | 392.23 | | P | 7.7 |

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LB :LB132155

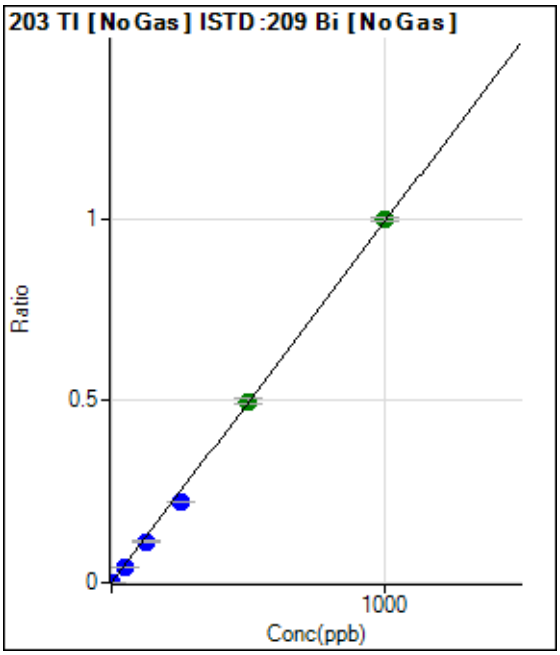



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 64.45 | | P | 30.3 |
| 2 | ☐ | | | 65.56 | | P | 32.7 |
| 3 | ☐ | | | 76.67 | | P | 8.7 |
| 4 | ☐ | | | 97.78 | | P | 22.7 |
| 5 | ☐ | | | 120.00 | | P | 12.7 |
| 6 | ☐ | | | 172.23 | | P | 8.7 |
| 7 | ☐ | | | 205.56 | | P | 13.2 |
| 8 | ☐ | | | 262.23 | | P | 7.2 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 34.44 | | P | 5.6 |
| 2 | ☐ | | | 48.89 | | P | 31.5 |
| 3 | ☐ | | | 38.89 | | P | 40.5 |
| 4 | ☐ | | | 75.56 | | P | 10.2 |
| 5 | ☐ | | | 78.89 | | P | 17.1 |
| 6 | ☐ | | | 87.78 | | P | 7.9 |
| 7 | ☐ | | | 135.56 | | P | 9.9 |
| 8 | ☐ | | | 155.56 | | P | 4.5 |

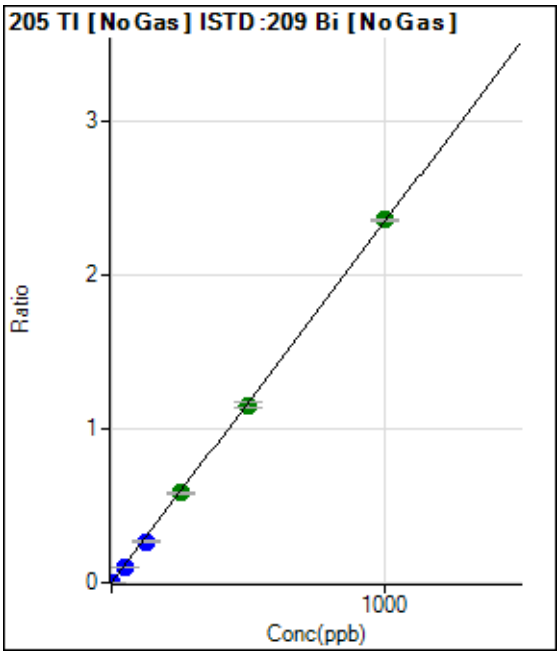
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| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 47.78 | 0.0000 | P | 47.1 |
| 2 | ☐ | 1.000 | 0.818 | 4421.88 | 0.0008 | P | 3.0 |
| 3 | ☐ | 50.000 | 44.151 | 240214.15 | 0.0437 | P | 1.4 |
| 4 | ☐ | 125.000 | 114.424 | 617073.52 | 0.1134 | P | 0.7 |
| 5 | ☐ | 250.000 | 223.886 | 1226419.89 | 0.2218 | P | 1.9 |
| 6 | ☐ | 500.000 | 503.200 | 2763300.62 | 0.4985 | A | 3.1 |
| 7 | ☐ | 1000.000 | 1006.543 | 5472020.58 | 0.9971 | A | 0.9 |
| 8 | ☐ | | | 576.69 | 0.0001 | P | 18.5 |

y = 9.9059E-004 * x + 9.0752E-006
R = 0.9996
DL = 0.01294
BEC = 0.009161

Weight: <None>
Min Conc: 0

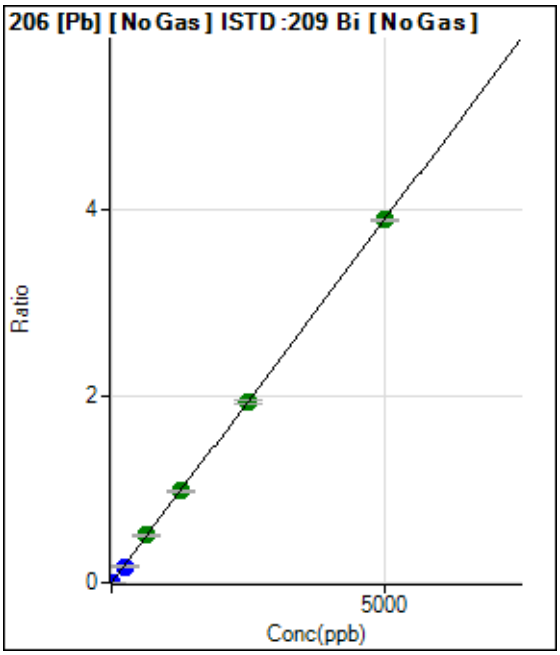



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 88.89 | 0.0000 | P | 26.1 |
| 2 | ☐ | 1.000 | 0.806 | 10309.54 | 0.0019 | P | 0.0 |
| 3 | ☐ | 50.000 | 44.301 | 571314.64 | 0.1040 | P | 1.0 |
| 4 | ☐ | 125.000 | 114.373 | 1461995.41 | 0.2686 | P | 0.9 |
| 5 | ☐ | 250.000 | 249.072 | 3233517.14 | 0.5849 | A | 3.0 |
| 6 | ☐ | 500.000 | 491.975 | 6404825.80 | 1.1552 | A | 2.8 |
| 7 | ☐ | 1000.000 | 1005.858 | 12961065.36 | 2.3618 | A | 0.7 |
| 8 | ☐ | | | 1306.75 | 0.0003 | P | 13.7 |

y = 0.0023 * x + 1.6925E-005
R = 0.9999
DL = 0.005639
BEC = 0.007208

Weight: <None>
Min Conc: 0

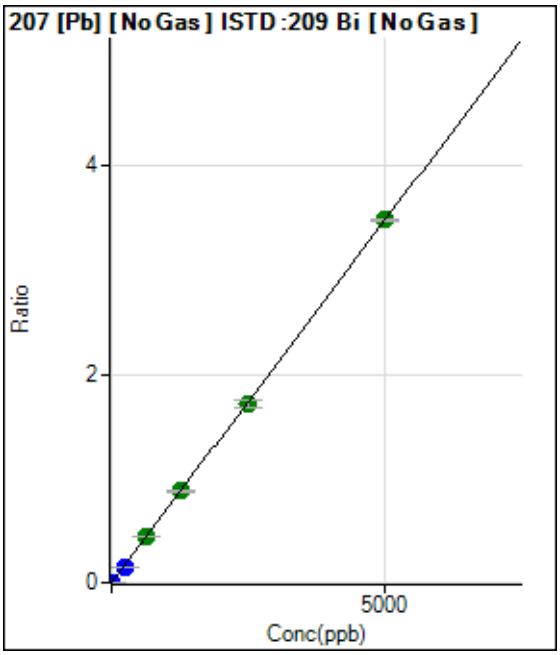
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| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 384.45 | 0.0001 | P | 0.8 |
| 2 | ☐ | 1.000 | 0.847 | 3945.07 | 0.0007 | P | 4.0 |
| 3 | ☐ | 250.000 | 224.156 | 956542.50 | 0.1742 | P | 1.9 |
| 4 | ☐ | 625.000 | 649.914 | 2748885.20 | 0.5049 | A | 0.7 |
| 5 | ☐ | 1250.000 | 1260.329 | 5414700.37 | 0.9791 | A | 1.4 |
| 6 | ☐ | 2500.000 | 2493.846 | 10739772.90 | 1.9373 | A | 2.9 |
| 7 | ☐ | 5000.000 | 4998.673 | 21309008.01 | 3.8830 | A | 0.8 |
| 8 | ☐ | | | 7087.46 | 0.0014 | P | 3.5 |

y = 7.7679E-004 * x + 7.3073E-005
R = 1.0000
DL = 0.002145
BEC = 0.09407

Weight: <None>
Min Conc: 0

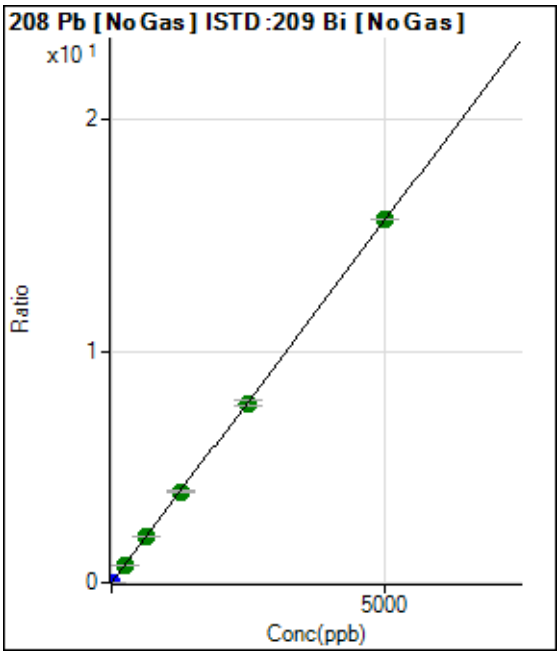



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 340.01 | 0.0001 | P | 6.4 |
| 2 | ☐ | 1.000 | 0.791 | 3316.00 | 0.0006 | P | 2.9 |
| 3 | ☐ | 250.000 | 219.366 | 837656.40 | 0.1525 | P | 1.7 |
| 4 | ☐ | 625.000 | 639.100 | 2418621.89 | 0.4443 | A | 0.8 |
| 5 | ☐ | 1250.000 | 1265.336 | 4863395.24 | 0.8796 | A | 2.5 |
| 6 | ☐ | 2500.000 | 2462.913 | 9489752.01 | 1.7120 | A | 4.1 |
| 7 | ☐ | 5000.000 | 5014.479 | 19127903.32 | 3.4856 | A | 0.5 |
| 8 | ☐ | | | 6144.78 | 0.0013 | P | 1.9 |

y = 6.9509E-004 * x + 6.4609E-005
R = 0.9999
DL = 0.01789
BEC = 0.09295

Weight: <None>
Min Conc: 0

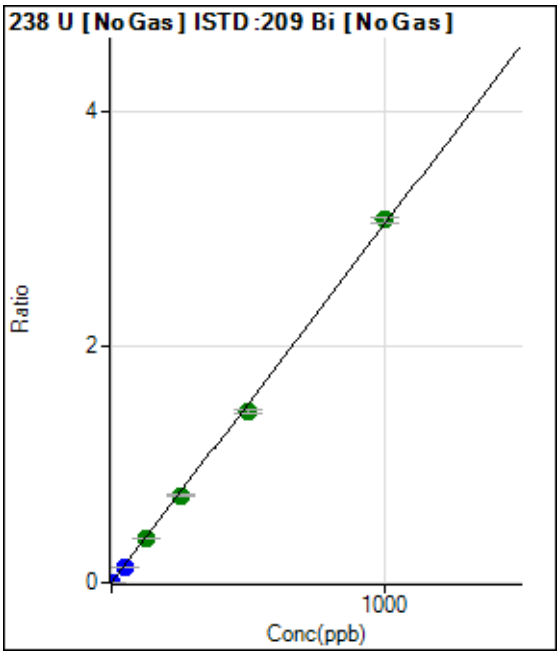
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| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1615.61 | 0.0003 | P | 0.6 |
| 2 | ☐ | 1.000 | 0.822 | 15529.23 | 0.0029 | P | 2.1 |
| 3 | ☐ | 250.000 | 235.133 | 4040879.17 | 0.7359 | A | 1.6 |
| 4 | ☐ | 625.000 | 638.962 | 10882820.83 | 1.9992 | A | 0.7 |
| 5 | ☐ | 1250.000 | 1258.203 | 21767400.72 | 3.9363 | A | 2.4 |
| 6 | ☐ | 2500.000 | 2474.131 | 42909624.02 | 7.7401 | A | 2.9 |
| 7 | ☐ | 5000.000 | 5009.882 | 86011688.44 | 15.6727 | A | 0.1 |
| 8 | ☐ | | | 28262.89 | 0.0058 | P | 2.2 |

y = 0.0031 * x + 3.0708E-004
R = 1.0000
DL = 0.001689
BEC = 0.09816

Weight: <None>
Min Conc: 0

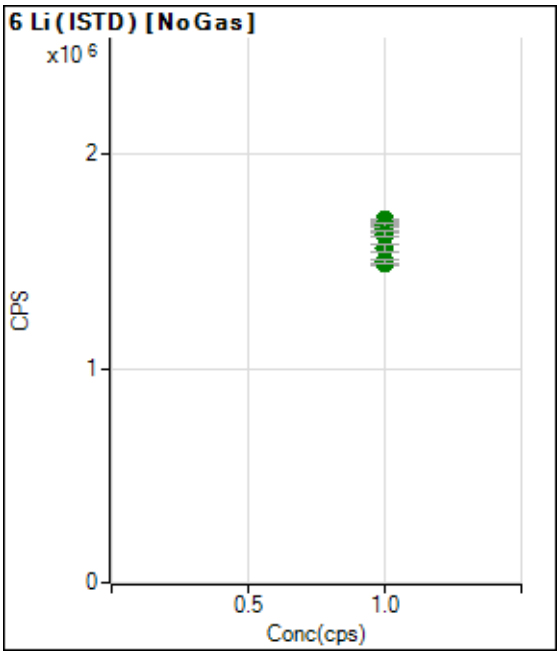



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 13.33 | 0.0000 | P | 1.1 |
| 2 | ☐ | 1.000 | 0.782 | 12854.08 | 0.0024 | P | 0.7 |
| 3 | ☐ | 50.000 | 42.808 | 714844.17 | 0.1302 | P | 1.5 |
| 4 | ☐ | 125.000 | 123.948 | 2051399.87 | 0.3769 | A | 3.4 |
| 5 | ☐ | 250.000 | 244.153 | 4105255.28 | 0.7424 | A | 2.7 |
| 6 | ☐ | 500.000 | 478.859 | 8072868.14 | 1.4562 | A | 2.6 |
| 7 | ☐ | 1000.000 | 1012.524 | 16899854.06 | 3.0790 | A | 1.6 |
| 8 | ☐ | | | 1190.07 | 0.0002 | P | 4.2 |

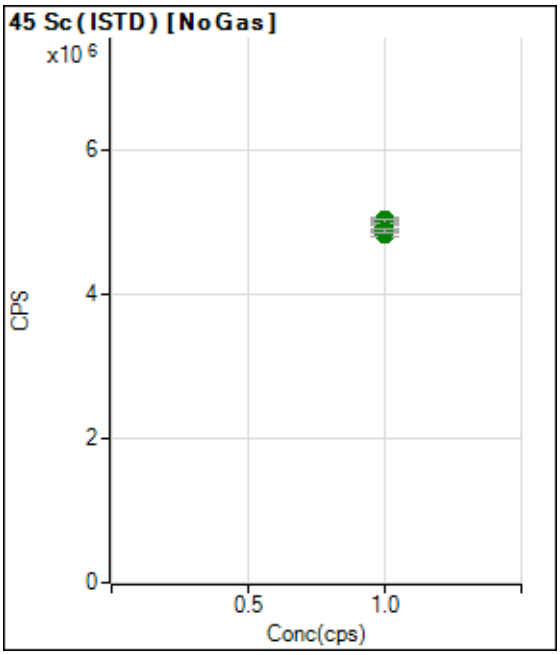
y = 0.0030 * x + 2.5338E-006
R = 0.9997
DL = 2.734E-05
BEC = 0.0008333

Weight: <None>
Min Conc: 0

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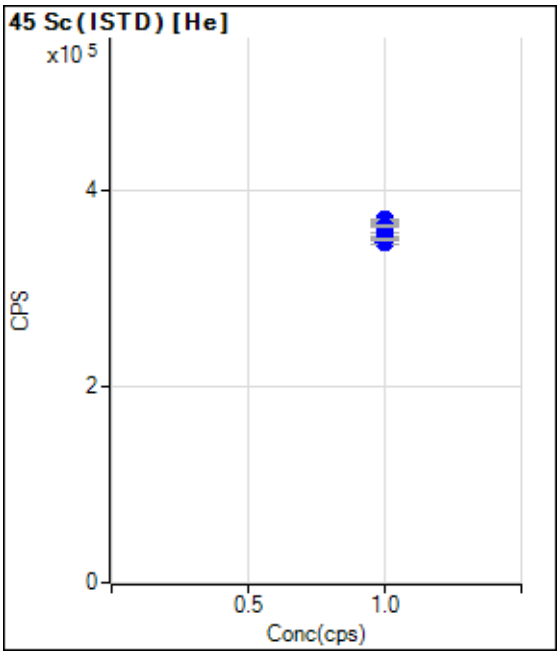



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 1485548.66 | | A | 0.3 |
| 2 | ☐ | 1.000 | | 1495298.83 | | A | 1.3 |
| 3 | ☐ | 1.000 | | 1560819.09 | | A | 2.2 |
| 4 | ☐ | 1.000 | | 1623656.68 | | A | 1.3 |
| 5 | ☐ | 1.000 | | 1653177.32 | | A | 1.5 |
| 6 | ☐ | 1.000 | | 1693383.39 | | A | 0.4 |
| 7 | ☐ | 1.000 | | 1666648.39 | | A | 0.9 |
| 8 | ☐ | 1.000 | | 1626735.17 | | A | 1.8 |

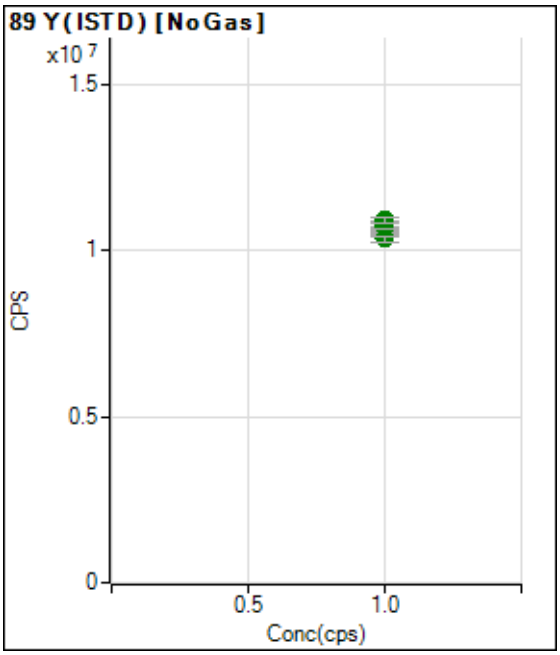



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 4834937.32 | | A | 1.0 |
| 2 | ☐ | 1.000 | | 4942952.64 | | A | 1.7 |
| 3 | ☐ | 1.000 | | 4993304.85 | | A | 1.2 |
| 4 | ☐ | 1.000 | | 5023733.95 | | A | 0.5 |
| 5 | ☐ | 1.000 | | 5040088.33 | | A | 1.7 |
| 6 | ☐ | 1.000 | | 4902512.84 | | A | 0.9 |
| 7 | ☐ | 1.000 | | 5027685.93 | | A | 1.3 |
| 8 | ☐ | 1.000 | | 4881515.20 | | A | 1.0 |

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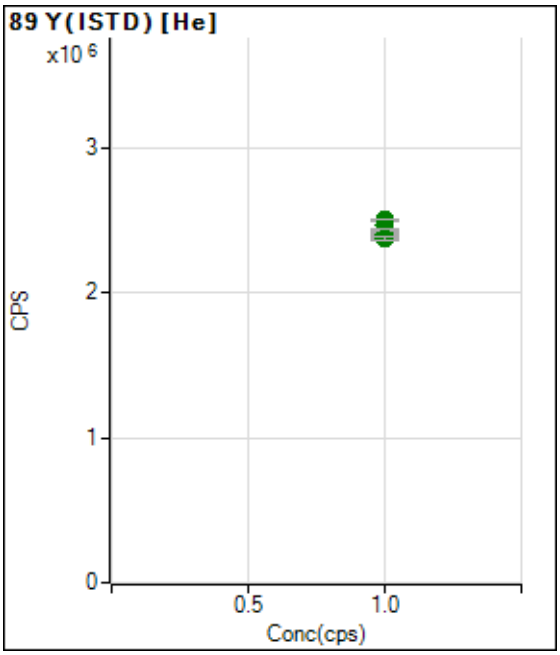



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 356619.08 | | P | 0.1 |
| 2 | ☐ | 1.000 | | 367319.30 | | P | 0.6 |
| 3 | ☐ | 1.000 | | 369582.97 | | P | 0.7 |
| 4 | ☐ | 1.000 | | 362778.05 | | P | 0.7 |
| 5 | ☐ | 1.000 | | 352650.19 | | P | 0.3 |
| 6 | ☐ | 1.000 | | 346475.11 | | P | 0.9 |
| 7 | ☐ | 1.000 | | 352928.99 | | P | 0.2 |
| 8 | ☐ | 1.000 | | 349681.97 | | P | 0.8 |

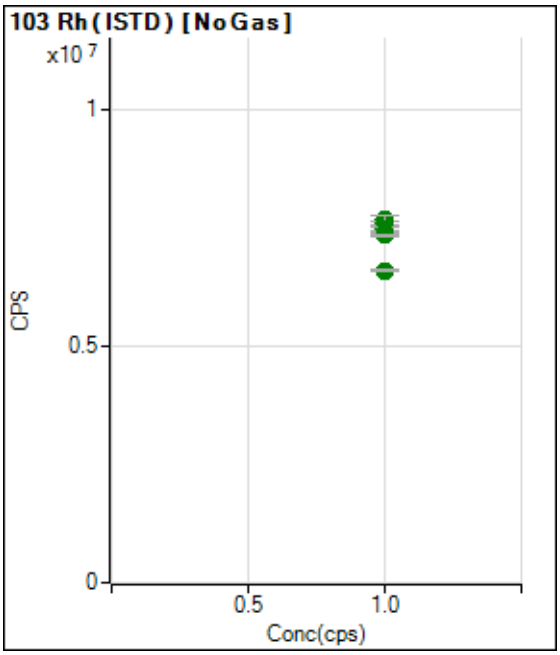



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 10460004.22 | | A | 0.6 |
| 2 | ☐ | 1.000 | | 10800949.84 | | A | 1.7 |
| 3 | ☐ | 1.000 | | 10801204.98 | | A | 1.2 |
| 4 | ☐ | 1.000 | | 10910298.31 | | A | 1.3 |
| 5 | ☐ | 1.000 | | 10586551.30 | | A | 0.8 |
| 6 | ☐ | 1.000 | | 10747886.85 | | A | 1.8 |
| 7 | ☐ | 1.000 | | 10931621.22 | | A | 1.3 |
| 8 | ☐ | 1.000 | | 10360996.79 | | A | 1.5 |

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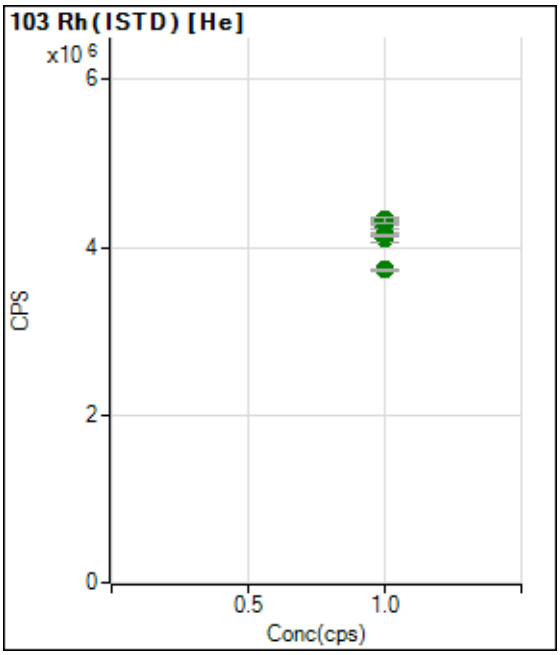



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 2431122.65 | | A | 1.0 |
| 2 | ☐ | 1.000 | | 2467872.79 | | A | 2.8 |
| 3 | ☐ | 1.000 | | 2503470.95 | | A | 0.5 |
| 4 | ☐ | 1.000 | | 2469704.04 | | A | 2.6 |
| 5 | ☐ | 1.000 | | 2390095.95 | | A | 0.6 |
| 6 | ☐ | 1.000 | | 2396176.60 | | A | 1.5 |
| 7 | ☐ | 1.000 | | 2440626.70 | | A | 0.5 |
| 8 | ☐ | 1.000 | | 2369153.32 | | A | 1.1 |

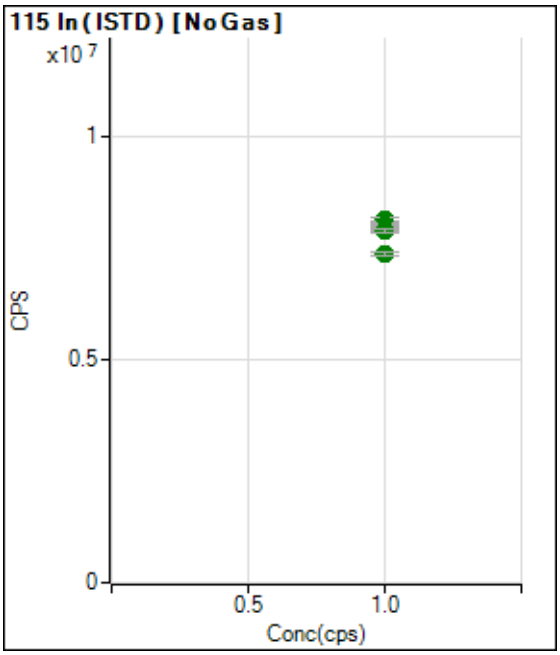



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 7476748.99 | | A | 1.3 |
| 2 | ☐ | 1.000 | | 7640209.96 | | A | 2.8 |
| 3 | ☐ | 1.000 | | 7578258.64 | | A | 1.3 |
| 4 | ☐ | 1.000 | | 7661989.05 | | A | 2.3 |
| 5 | ☐ | 1.000 | | 7484995.23 | | A | 1.0 |
| 6 | ☐ | 1.000 | | 7395047.74 | | A | 0.6 |
| 7 | ☐ | 1.000 | | 7347676.28 | | A | 0.5 |
| 8 | ☐ | 1.000 | | 6593685.80 | | A | 0.6 |

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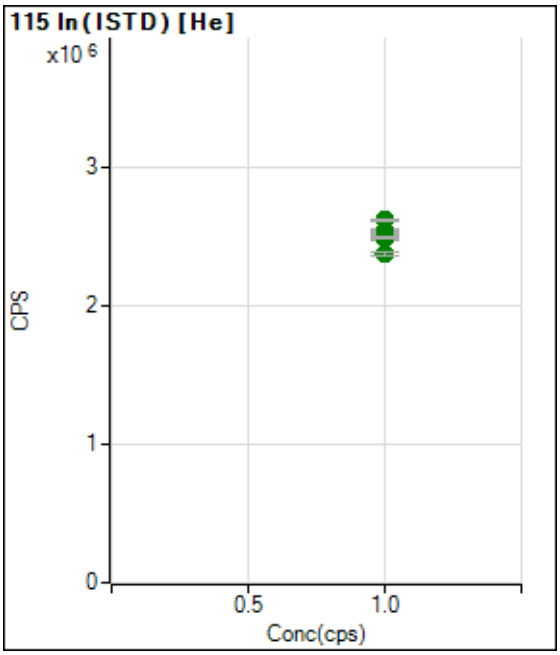



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 4236047.19 | | A | 1.0 |
| 2 | ☐ | 1.000 | | 4304039.90 | | A | 0.4 |
| 3 | ☐ | 1.000 | | 4313964.52 | | A | 1.0 |
| 4 | ☐ | 1.000 | | 4325784.00 | | A | 1.7 |
| 5 | ☐ | 1.000 | | 4159656.29 | | A | 0.8 |
| 6 | ☐ | 1.000 | | 4099342.40 | | A | 2.2 |
| 7 | ☐ | 1.000 | | 4145053.06 | | A | 0.8 |
| 8 | ☐ | 1.000 | | 3730967.62 | | A | 0.6 |

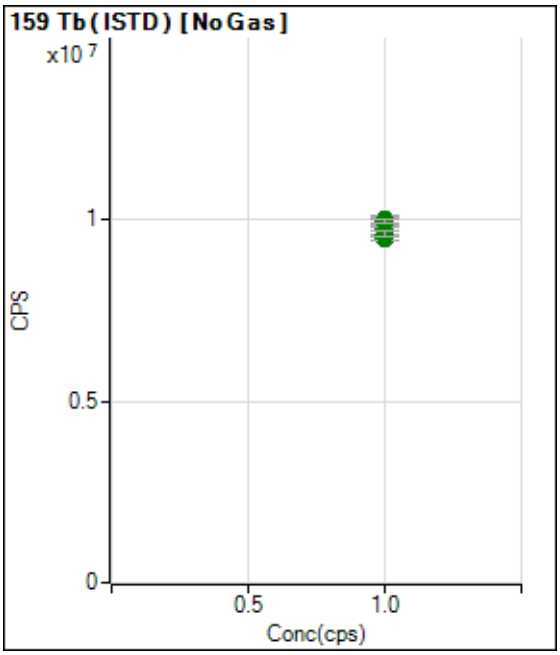



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 7897501.56 | | A | 0.3 |
| 2 | ☐ | 1.000 | | 7929507.08 | | A | 1.7 |
| 3 | ☐ | 1.000 | | 8060459.43 | | A | 0.8 |
| 4 | ☐ | 1.000 | | 8136194.24 | | A | 1.2 |
| 5 | ☐ | 1.000 | | 8020643.93 | | A | 0.9 |
| 6 | ☐ | 1.000 | | 7950808.31 | | A | 1.3 |
| 7 | ☐ | 1.000 | | 7905195.66 | | A | 1.1 |
| 8 | ☐ | 1.000 | | 7383486.10 | | A | 1.3 |

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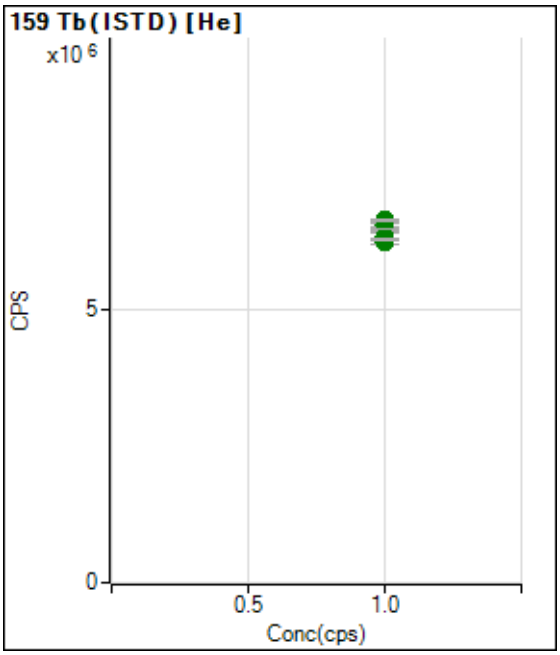



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 2524168.59 | | A | 1.7 |
| 2 | ☐ | 1.000 | | 2547955.93 | | A | 0.8 |
| 3 | ☐ | 1.000 | | 2619905.41 | | A | 0.4 |
| 4 | ☐ | 1.000 | | 2538554.47 | | A | 0.6 |
| 5 | ☐ | 1.000 | | 2521955.65 | | A | 0.4 |
| 6 | ☐ | 1.000 | | 2483732.77 | | A | 1.1 |
| 7 | ☐ | 1.000 | | 2496342.89 | | A | 0.4 |
| 8 | ☐ | 1.000 | | 2376577.10 | | A | 0.9 |

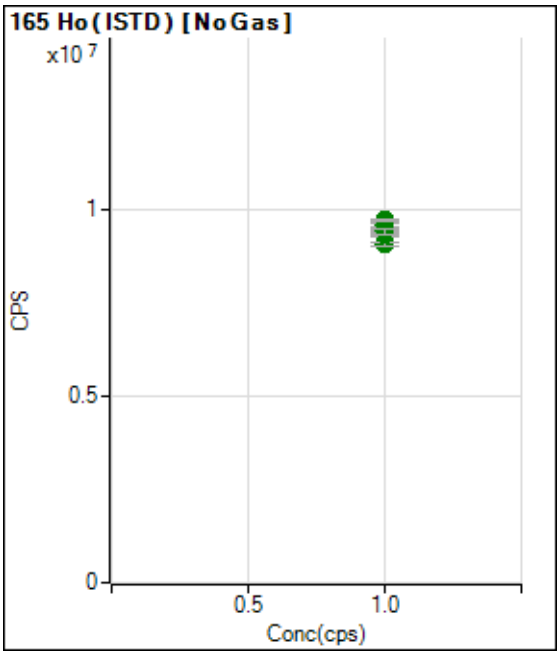



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 9512453.05 | | A | 1.2 |
| 2 | ☐ | 1.000 | | 9548874.23 | | A | 2.6 |
| 3 | ☐ | 1.000 | | 9767763.95 | | A | 1.6 |
| 4 | ☐ | 1.000 | | 9850589.37 | | A | 1.1 |
| 5 | ☐ | 1.000 | | 9946308.18 | | A | 2.2 |
| 6 | ☐ | 1.000 | | 9998264.16 | | A | 2.2 |
| 7 | ☐ | 1.000 | | 9945907.56 | | A | 0.9 |
| 8 | ☐ | 1.000 | | 9600342.01 | | A | 1.7 |

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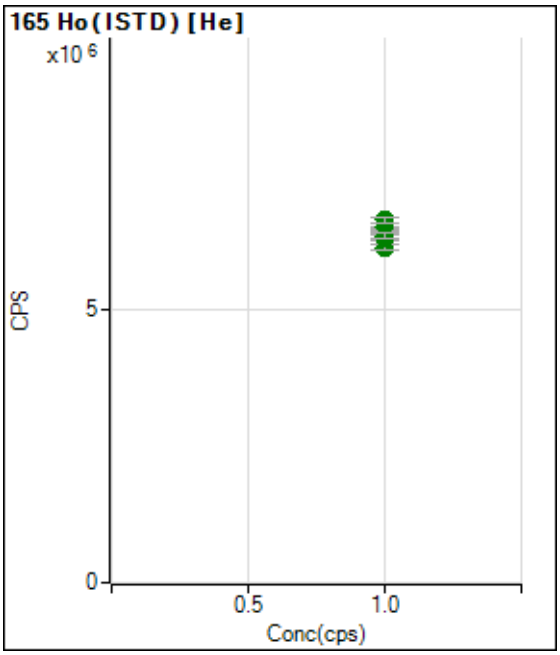



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 6221683.73 | | A | 1.6 |
| 2 | ☐ | 1.000 | | 6301204.28 | | A | 2.2 |
| 3 | ☐ | 1.000 | | 6410555.32 | | A | 0.9 |
| 4 | ☐ | 1.000 | | 6453704.83 | | A | 1.1 |
| 5 | ☐ | 1.000 | | 6454593.65 | | A | 1.3 |
| 6 | ☐ | 1.000 | | 6511362.82 | | A | 1.3 |
| 7 | ☐ | 1.000 | | 6620732.54 | | A | 0.7 |
| 8 | ☐ | 1.000 | | 6257241.16 | | A | 0.7 |

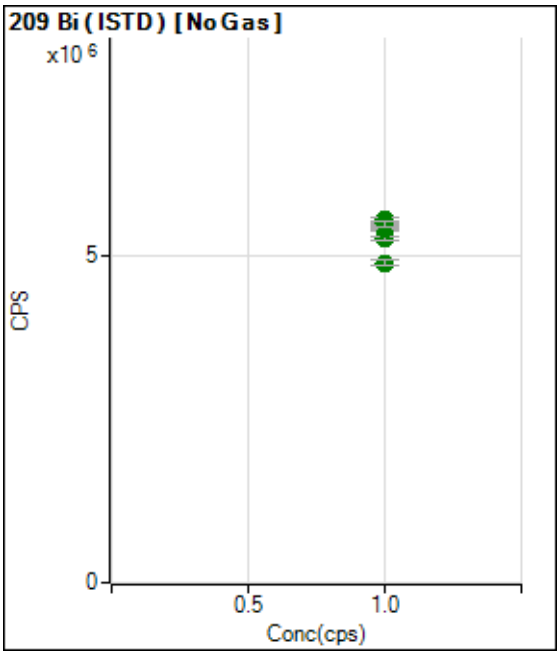



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 9076237.30 | | A | 1.2 |
| 2 | ☐ | 1.000 | | 9305082.29 | | A | 1.2 |
| 3 | ☐ | 1.000 | | 9400143.12 | | A | 0.3 |
| 4 | ☐ | 1.000 | | 9472887.43 | | A | 1.2 |
| 5 | ☐ | 1.000 | | 9574499.65 | | A | 1.9 |
| 6 | ☐ | 1.000 | | 9688687.01 | | A | 1.2 |
| 7 | ☐ | 1.000 | | 9704935.00 | | A | 0.6 |
| 8 | ☐ | 1.000 | | 9407101.11 | | A | 1.6 |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

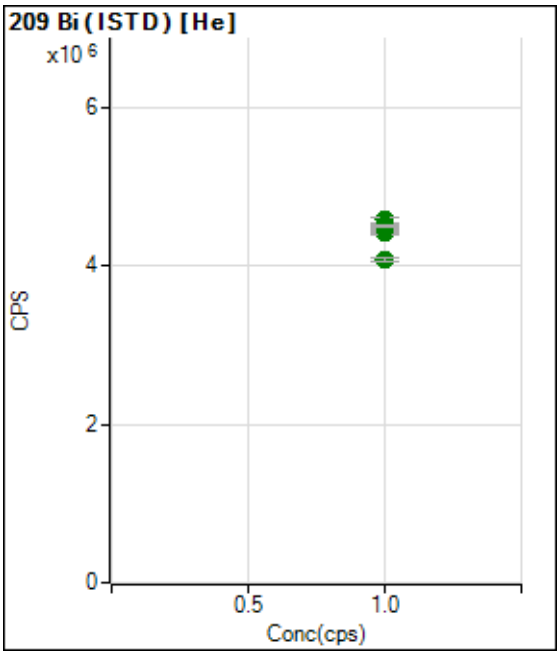



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 6163474.49 | | A | 1.4 |
| 2 | ☐ | 1.000 | | 6338021.64 | | A | 1.9 |
| 3 | ☐ | 1.000 | | 6471983.79 | | A | 0.3 |
| 4 | ☐ | 1.000 | | 6520657.89 | | A | 0.7 |
| 5 | ☐ | 1.000 | | 6460425.25 | | A | 1.1 |
| 6 | ☐ | 1.000 | | 6537414.28 | | A | 1.8 |
| 7 | ☐ | 1.000 | | 6664672.40 | | A | 1.3 |
| 8 | ☐ | 1.000 | | 6367740.88 | | A | 1.8 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 5261259.61 | | A | 1.1 |
| 2 | ☐ | 1.000 | | 5396371.13 | | A | 0.3 |
| 3 | ☐ | 1.000 | | 5491627.77 | | A | 0.6 |
| 4 | ☐ | 1.000 | | 5443926.51 | | A | 1.1 |
| 5 | ☐ | 1.000 | | 5531274.57 | | A | 2.3 |
| 6 | ☐ | 1.000 | | 5545551.51 | | A | 1.8 |
| 7 | ☐ | 1.000 | | 5488020.23 | | A | 1.5 |
| 8 | ☐ | 1.000 | | 4893886.21 | | A | 1.8 |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 4419462.85 | | A | 0.5 |
| 2 | ☐ | 1.000 | | 4490320.77 | | A | 0.9 |
| 3 | ☐ | 1.000 | | 4531694.97 | | A | 1.0 |
| 4 | ☐ | 1.000 | | 4586250.21 | | A | 1.7 |
| 5 | ☐ | 1.000 | | 4517237.61 | | A | 0.4 |
| 6 | ☐ | 1.000 | | 4462439.58 | | A | 0.3 |
| 7 | ☐ | 1.000 | | 4499658.37 | | A | 0.5 |
| 8 | ☐ | 1.000 | | 4078617.75 | | A | 1.5 |

# US EPA Tune Check Report

| | |
|---|---|
| **Operator Name** | Jaswal |
| **Acq/Data Batch** | D:\Agilent\ICPMH\1\DATA\P7082524MS.b |
| **Acq. Date-Time** | 2024-08-25 13:10:16 |
| **Report Comment** | --- |
| **Instrument Name** | G8403A JP14410463 |

**[No Gas]**

**Sensitivity**

| Mass | Conc. [ug/l] | Count | CPS | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD% | RSD% (Required) |
|---|---|---|---|---|---|---|---|
| 9 | | 6648 | 66484.38 | | | 0.248 | 5.000 |
| 24 | | 91055 | 910550.05 | | | 1.646 | 5.000 |
| 25 | | 12482 | 124818.59 | | | 1.315 | 5.000 |
| 26 | | 15209 | 152090.71 | | | 0.932 | 5.000 |
| 59 | | 61794 | 617939.30 | | | 1.211 | 5.000 |
| 113 | | 8430 | 84303.47 | | | 1.436 | 5.000 |
| 115 | | 99446 | 994456.27 | | | 0.843 | 5.000 |
| 206 | | 17814 | 178142.01 | | | 0.924 | 5.000 |
| 207 | | 15839 | 158386.65 | | | 0.895 | 5.000 |
| 208 | | 37793 | 377930.16 | | | 1.050 | 5.000 |
| 220 | | 1 | 8.30 | | | 31.763 | |

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

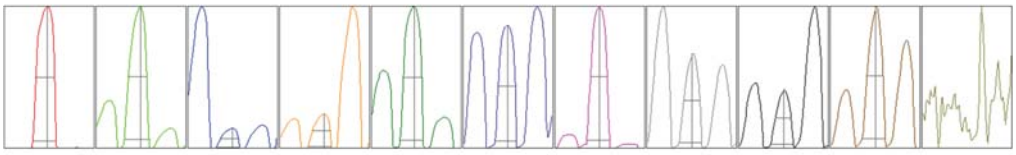
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|---|---|---|---|---|---|
| 9 | 6633 | 6631 | 6667 | 6662 | 6649 |
| 24 | 89157 | 89826 | 91474 | 92279 | 92539 |
| 25 | 12245 | 12377 | 12599 | 12568 | 12621 |
| 26 | 15041 | 15069 | 15326 | 15322 | 15287 |
| 59 | 60860 | 61470 | 61585 | 62260 | 62795 |
| 113 | 8303 | 8294 | 8532 | 8496 | 8527 |
| 115 | 98402 | 98675 | 99908 | 100149 | 100094 |
| 206 | 17622 | 17654 | 17894 | 17917 | 17984 |
| 207 | 15676 | 15710 | 15899 | 15895 | 16013 |
| 208 | 37258 | 37537 | 37956 | 37942 | 38272 |

# US EPA Tune Check Report

| 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 | 10964.33 | 8.95 | 8.90 - 9.10 | |
| 24 | 158301.04 | 24.00 | 23.90 - 24.10 | |
| 25 | 22068.77 | 25.00 | 24.90 - 25.10 | |
| 26 | 25457.36 | 26.00 | 25.90 - 26.10 | |
| 59 | 103143.97 | 58.95 | 58.90 - 59.10 | |
| 113 | 15239.62 | 113.00 | 112.90 - 113.10 | |
| 115 | 183333.91 | 115.00 | 114.90 - 115.10 | |
| 206 | 34059.79 | 206.05 | 205.90 - 206.10 | |
| 207 | 30521.11 | 207.05 | 206.90 - 207.10 | |
| 208 | 73186.44 | 208.05 | 207.90 - 208.10 | |
| 220 | | | - | |

| Mass | W-50% | W-5% | W-5% (Required) | W-5% (Flag) |
|---|---|---|---|---|
| 9 | 0.64 | 0.780 | 0.900 | |
| 24 | 0.62 | 0.825 | 0.900 | |
| 25 | 0.59 | 0.775 | 0.900 | |
| 26 | 0.60 | 0.780 | 0.900 | |
| 59 | 0.63 | 0.778 | 0.900 | |
| 113 | 0.56 | 0.729 | 0.900 | |
| 115 | 0.55 | 0.773 | 0.900 | |
| 206 | 0.53 | 0.769 | 0.900 | |
| 207 | 0.52 | 0.771 | 0.900 | |
| 208 | 0.53 | 0.781 | 0.900 | |
| 220 | | | | |

Integration Time [sec] 0.1
Acquisition Time [sec] 256.770000000002
Y Axis Linear

**Tune Parameters**

**Plasma Parameters**

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

# US EPA Tune Check Report

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

**Lens Parameters**

| | | | | | |
|---|---|---|---|---|---|
| Extract 1 | 0.0 V | Omega Lens | 6.9 V | Deflect | 15.4 V |
| Extract 2 | -125.0 V | Cell Entrance | -30 V | Plate Bias | -35 V |
| Omega Bias | -70 V | Cell Exit | -50 V | | |

**Cell Parameters**

| | | | | | |
|---|---|---|---|---|---|
| Use Gas | No | 3rd Gas Flow | --- | Energy Discrimination | 5.0 V |
| He Flow | 0.0 mL/min | OctP Bias | -8.0 V | | |
| H2 Flow | --- | OctP RF | 200 V | | |

**QP Parameters**

| | | | | | |
|---|---|---|---|---|---|
| Mass Gain | 136 | Axis Gain | 0.9979 | QP Bias | -3.0 V |
| Mass Offset | 129 | Axis Offset | 0.08 | | |

**Hardware Settings**

**Torch**

| | | | | | |
|---|---|---|---|---|---|
| Torch H | 0.7 mm | Torch V | 0.7 mm | | |

**EM**

| | | | | | |
|---|---|---|---|---|---|
| Discriminator | 4.8 mV | Analog HV | 2328 V | Pulse HV | 1482 V |

**[He]**

**Sensitivity**

| Mass | Conc. [ug/l] | Count | CPS | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD% | RSD% (Required) |
|---|---|---|---|---|---|---|---|
| 59 | | 19836 | 198359.58 | | | 0.767 | |
| 89 | | 20065 | 200654.58 | | | 0.712 | |
| 205 | | 20262 | 202623.49 | | | 0.335 | |

| Mass | RSD% (Flag) |
|---|---|
| 59 | |
| 89 | |
| 205 | |

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|---|---|---|---|---|---|
| 59 | 19936 | 19974 | 19797 | 19882 | 19591 |
| 89 | 20217 | 20073 | 20085 | 20122 | 19831 |
| 205 | 20278 | 20180 | 20233 | 20365 | 20256 |

Integration Time [sec] 0.1

**Tune Parameters**

**Plasma Parameters**

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

**Lens Parameters**

| | | | | | |
|---|---|---|---|---|---|
| Extract 1 | 0.0 V | Omega Lens | 9.2 V | Deflect | 4.0 V |

# US EPA Tune Check Report

| | | | | | |
|---|---|---|---|---|---|
| Extract 2 | -155.0 V | Cell Entrance | -40 V | Plate Bias | -60 V |
| Omega Bias | -75 V | Cell Exit | -60 V | | |

**Cell Parameters**

| | | | | | |
|---|---|---|---|---|---|
| Use Gas | Yes | 3rd Gas Flow | --- | Energy Discrimination | 5.0 V |
| He Flow | 3.9 mL/min | OctP Bias | -18.0 V | | |
| H2 Flow | --- | OctP RF | 200 V | | |

**QP Parameters**

| | | | | | |
|---|---|---|---|---|---|
| Mass Gain | 136 | Axis Gain | 0.9979 | QP Bias | -13.0 V |
| Mass Offset | 129 | Axis Offset | 0.08 | | |

**Hardware Settings**

**Torch**

| | | | |
|---|---|---|---|
| Torch H | 0.7 mm | Torch V | 0.7 mm |

**EM**

| | | | | | |
|---|---|---|---|---|---|
| Discriminator | 4.8 mV | Analog HV | 2328 V | Pulse HV | 1482 V |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S0 | Instrumnet Name : | P7 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:38:45 | DataFile Name : | 004CALB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | -0.09 | -0.06 | 0.15 | 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 | -0.01 | 0.02 | -0.02 | 0.00 | N/A | ppb |
| Barium | 137-1 | 0.01 | 0.00 | -0.01 | 0.00 | N/A | ppb |
| Beryllium | 9-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Bismuth | 209-1 | | | | 100 | | % |
| Bismuth | 209-2 | | | | 100 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.01 | 0.02 | -0.01 | 0.00 | N/A | ppb |
| Cadmium | 106-1 | 0.25 | 0.33 | -0.58 | 0.00 | N/A | ppb |
| Cadmium | 111-1 | 0.02 | 0.04 | -0.05 | 0.00 | N/A | ppb |
| Calcium | 43-1 | 1.68 | 0.77 | -2.45 | 0.00 | N/A | ppb |
| Calcium | 44-1 | -1.44 | 0.89 | 0.55 | 0.00 | N/A | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.01 | 0.04 | -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 | -0.01 | 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 | 56-2 | 0.20 | -0.09 | -0.11 | 0.00 | N/A | ppb |
| Iron | 57-2 | 1.11 | -1.78 | 0.67 | 0.00 | N/A | ppb |
| Iron | 54-2 | 0.28 | -0.19 | -0.09 | 0.00 | N/A | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S0 | Instrumnet Name : | P7 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:38:45 | DataFile Name : | 004CALB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Lead | 207-1 | 0.00 | 0.00 | 0.01 | 0.00 | N/A | ppb |
| Lead | 208-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Lithium | 6-1 | | | | 100 | | % |
| Magnesium | 24-2 | 0.11 | -0.12 | 0.01 | 0.00 | N/A | ppb |
| Manganese | 55-2 | 0.00 | -0.02 | 0.02 | 0.00 | N/A | ppb |
| Molybdenum | 94-1 | -0.01 | 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 | -0.01 | 0.01 | 0.00 | 0.00 | N/A | ppb |
| Molybdenum | 97-1 | 0.01 | 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 | -0.04 | 0.04 | 0.00 | N/A | ppb |
| Phosphorus | 31-2 | -12.42 | -17.77 | -12.39 | -14.19 | | ppb |
| Potassium | 39-2 | 1.09 | 0.10 | -1.19 | 0.00 | N/A | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | -0.11 | 0.10 | 0.01 | 0.00 | N/A | ppb |
| Selenium | 77-2 | -0.13 | -0.13 | 0.25 | 0.00 | N/A | ppb |
| Selenium | 78-2 | -0.39 | -0.22 | 0.61 | 0.00 | N/A | ppb |
| Silicon | 28-1 | -0.07 | 0.02 | 0.05 | 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 | 0.77 | -0.69 | -0.08 | 0.00 | N/A | ppb |
| Strontium | 86-1 | 0.01 | -0.01 | 0.00 | 0.00 | N/A | ppb |
| Strontium | 88-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Sulfur | 34-1 | -34.92 | 94.76 | 76.40 | 45.41 | 154.53 | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Thallium | 205-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Tin | 118-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Titanium | 47-1 | 0.01 | -0.01 | 0.01 | 0.00 | N/A | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S0 | Instrumnet Name : | P7 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:38:45 | DataFile Name : | 004CALB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Vanadium | 51-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | 0.21 | -0.20 | -0.02 | 0.00 | N/A | ppb |
| Zirconium | 90-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Zirconium | 91-1 | 0.01 | 0.00 | -0.01 | 0.00 | N/A | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S2 | Instrumnet Name : | P7 |
| Client Sample ID : | S2 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:42:02 | DataFile Name : | 005CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 17.48 | 19.87 | 19.82 | 19.06 | 7.15 | ppb |
| Antimony | 121-1 | 1.85 | 1.86 | 1.77 | 1.83 | 2.74 | ppb |
| Arsenic | 75-2 | 0.81 | 1.02 | 1.09 | 0.97 | 14.99 | ppb |
| Barium | 135-1 | 8.77 | 9.09 | 8.72 | 8.86 | 2.28 | ppb |
| Barium | 137-1 | 8.83 | 9.47 | 8.74 | 9.01 | 4.39 | ppb |
| Beryllium | 9-1 | 1.10 | 1.19 | 1.00 | 1.10 | 8.66 | ppb |
| Bismuth | 209-1 | | | | 103 | | % |
| Bismuth | 209-2 | | | | 102 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.29 | 1.08 | 1.16 | 1.18 | 8.88 | ppb |
| Cadmium | 106-1 | 0.07 | -0.23 | 0.74 | 0.19 | 260.77 | ppb |
| Cadmium | 111-1 | 0.86 | 0.90 | 1.05 | 0.94 | 10.52 | ppb |
| Calcium | 43-1 | 488.79 | 525.50 | 496.72 | 503.67 | 3.84 | ppb |
| Calcium | 44-1 | 517.07 | 525.86 | 508.08 | 517.00 | 1.72 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1.91 | 1.91 | 1.89 | 1.91 | 0.56 | ppb |
| Cobalt | 59-2 | 1.02 | 1.03 | 1.01 | 1.02 | 0.55 | ppb |
| Copper | 63-2 | 1.98 | 1.97 | 1.91 | 1.95 | 1.79 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 103 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 101 | | % |
| Iron | 56-2 | 52.36 | 56.54 | 52.36 | 53.75 | 4.49 | ppb |
| Iron | 57-2 | 56.58 | 55.05 | 56.25 | 55.96 | 1.44 | ppb |
| Iron | 54-2 | 55.64 | 55.65 | 55.55 | 55.61 | 0.10 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S2 | Instrumnet Name : | P7 |
| Client Sample ID : | S2 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:42:02 | DataFile Name : | 005CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.85 | 0.89 | 0.81 | 0.85 | 4.43 | ppb |
| Lead | 207-1 | 0.77 | 0.82 | 0.78 | 0.79 | 3.19 | ppb |
| Lead | 208-1 | 0.82 | 0.84 | 0.80 | 0.82 | 2.36 | ppb |
| Lithium | 6-1 | | | | 101 | | % |
| Magnesium | 24-2 | 491.34 | 490.46 | 496.61 | 492.80 | 0.68 | ppb |
| Manganese | 55-2 | 0.99 | 0.95 | 0.97 | 0.97 | 2.17 | ppb |
| Molybdenum | 94-1 | 5.50 | 5.58 | 5.40 | 5.49 | 1.61 | ppb |
| Molybdenum | 95-1 | 4.65 | 4.72 | 4.58 | 4.65 | 1.43 | ppb |
| Molybdenum | 96-1 | 4.68 | 4.72 | 4.74 | 4.72 | 0.67 | ppb |
| Molybdenum | 97-1 | 4.66 | 4.85 | 4.69 | 4.73 | 2.19 | ppb |
| Molybdenum | 98-1 | 4.68 | 4.81 | 4.60 | 4.70 | 2.29 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.84 | 1.01 | 0.87 | 0.91 | 9.64 | ppb |
| Phosphorus | 31-2 | 20.63 | 11.21 | 10.74 | 14.19 | 39.32 | ppb |
| Potassium | 39-2 | 509.04 | 507.51 | 514.08 | 510.21 | 0.67 | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 102 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 4.38 | 4.95 | 4.63 | 4.65 | 6.16 | ppb |
| Selenium | 77-2 | 2.02 | 8.09 | 4.02 | 4.71 | 65.68 | ppb |
| Selenium | 78-2 | 4.50 | 6.47 | 4.09 | 5.02 | 25.34 | ppb |
| Silicon | 28-1 | 0.15 | 0.27 | 0.07 | 0.16 | 59.23 | ppb |
| Silver | 107-1 | 0.90 | 0.94 | 0.90 | 0.91 | 2.16 | ppb |
| Silver | 109-1 | 0.88 | 0.93 | 0.88 | 0.90 | 3.52 | ppb |
| Sodium | 23-2 | 502.73 | 494.63 | 508.44 | 501.94 | 1.38 | ppb |
| Strontium | 86-1 | 0.91 | 0.97 | 0.90 | 0.93 | 3.90 | ppb |
| Strontium | 88-1 | 0.96 | 0.97 | 0.95 | 0.96 | 1.26 | ppb |
| Sulfur | 34-1 | -59.82 | 50.55 | -126.97 | -45.41 | | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.82 | 0.79 | 0.84 | 0.82 | 3.07 | ppb |
| Thallium | 205-1 | 0.81 | 0.81 | 0.81 | 0.81 | 0.05 | ppb |
| Tin | 118-1 | 4.57 | 4.82 | 4.64 | 4.68 | 2.69 | ppb |
| Titanium | 47-1 | 4.72 | 4.87 | 4.82 | 4.80 | 1.60 | ppb |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S2 | Instrumnet Name : | P7 |
| Client Sample ID : | S2 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:42:02 | DataFile Name : | 005CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.78 | 0.78 | 0.79 | 0.78 | 0.74 | ppb |
| Vanadium | 51-2 | 4.65 | 4.52 | 4.71 | 4.62 | 2.08 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 5.30 | 5.21 | 5.17 | 5.23 | 1.27 | ppb |
| Zirconium | 90-1 | 0.87 | 0.88 | 0.83 | 0.86 | 2.86 | ppb |
| Zirconium | 91-1 | 0.85 | 0.85 | 0.85 | 0.85 | 0.18 | ppb |

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Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S3 | Instrumnet Name : | P7 |
| Client Sample ID : | S3 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:45:21 | DataFile Name : | 006CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1042.19 | 1047.18 | 1023.77 | 1037.71 | 1.19 | ppb |
| Antimony | 121-1 | 48.10 | 48.21 | 50.40 | 48.90 | 2.66 | ppb |
| Arsenic | 75-2 | 51.21 | 51.64 | 49.87 | 50.90 | 1.81 | ppb |
| Barium | 135-1 | 237.41 | 236.83 | 243.43 | 239.22 | 1.53 | ppb |
| Barium | 137-1 | 240.48 | 238.26 | 246.66 | 241.80 | 1.80 | ppb |
| Beryllium | 9-1 | 53.57 | 57.04 | 55.78 | 55.46 | 3.17 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 103 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 52.12 | 50.64 | 54.79 | 52.51 | 4.01 | ppb |
| Cadmium | 106-1 | 53.02 | 51.96 | 53.75 | 52.91 | 1.70 | ppb |
| Cadmium | 111-1 | 51.60 | 50.64 | 53.04 | 51.76 | 2.33 | ppb |
| Calcium | 43-1 | 6061.62 | 6231.57 | 6086.95 | 6126.71 | 1.50 | ppb |
| Calcium | 44-1 | 5476.34 | 5463.69 | 5408.71 | 5449.58 | 0.66 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 52.01 | 51.34 | 50.31 | 51.22 | 1.67 | ppb |
| Cobalt | 59-2 | 51.16 | 51.26 | 50.98 | 51.14 | 0.28 | ppb |
| Copper | 63-2 | 511.12 | 514.16 | 509.53 | 511.60 | 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 | | | | 104 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 104 | | % |
| Iron | 56-2 | 2693.43 | 2631.52 | 2616.89 | 2647.28 | 1.53 | ppb |
| Iron | 57-2 | 2821.45 | 2819.90 | 2769.87 | 2803.74 | 1.05 | ppb |
| Iron | 54-2 | 2882.67 | 2865.30 | 2803.41 | 2850.46 | 1.46 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S3 | Instrumnet Name : | P7 |
| Client Sample ID : | S3 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:45:21 | DataFile Name : | 006CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 219.61 | 228.29 | 224.57 | 224.16 | 1.94 | ppb |
| Lead | 207-1 | 215.61 | 223.26 | 219.23 | 219.37 | 1.74 | ppb |
| Lead | 208-1 | 231.73 | 239.34 | 234.33 | 235.13 | 1.65 | ppb |
| Lithium | 6-1 | | | | 105 | | % |
| Magnesium | 24-2 | 5393.86 | 5326.49 | 5335.71 | 5352.02 | 0.68 | ppb |
| Manganese | 55-2 | 518.01 | 513.04 | 508.11 | 513.05 | 0.96 | ppb |
| Molybdenum | 94-1 | 544.45 | 560.59 | 562.30 | 555.78 | 1.77 | ppb |
| Molybdenum | 95-1 | 540.05 | 556.65 | 557.69 | 551.46 | 1.80 | ppb |
| Molybdenum | 96-1 | 549.48 | 564.55 | 578.97 | 564.33 | 2.61 | ppb |
| Molybdenum | 97-1 | 548.19 | 566.48 | 563.13 | 559.26 | 1.74 | ppb |
| Molybdenum | 98-1 | 544.64 | 557.63 | 552.75 | 551.67 | 1.19 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 52.17 | 51.88 | 51.36 | 51.80 | 0.79 | ppb |
| Phosphorus | 31-2 | 1014.49 | 990.57 | 966.59 | 990.55 | 2.42 | ppb |
| Potassium | 39-2 | 2787.21 | 2793.13 | 2786.10 | 2788.81 | 0.14 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 103 | | % |
| Scandium | 45-2 | | | | 104 | | % |
| Selenium | 82-1 | 51.18 | 53.04 | 50.85 | 51.69 | 2.28 | ppb |
| Selenium | 77-2 | 47.73 | 43.98 | 48.32 | 46.68 | 5.05 | ppb |
| Selenium | 78-2 | 57.31 | 53.54 | 52.07 | 54.31 | 4.97 | ppb |
| Silicon | 28-1 | 50.72 | 51.75 | 50.61 | 51.03 | 1.23 | ppb |
| Silver | 107-1 | 52.36 | 50.79 | 53.56 | 52.24 | 2.65 | ppb |
| Silver | 109-1 | 51.16 | 51.41 | 52.54 | 51.70 | 1.41 | ppb |
| Sodium | 23-2 | 5234.14 | 5268.36 | 5094.25 | 5198.92 | 1.77 | ppb |
| Strontium | 86-1 | 1278.94 | 1280.32 | 1273.45 | 1277.57 | 0.28 | ppb |
| Strontium | 88-1 | 1272.48 | 1279.70 | 1272.07 | 1274.75 | 0.34 | ppb |
| Sulfur | 34-1 | 1033.11 | 1131.72 | 970.05 | 1044.96 | 7.80 | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 43.43 | 44.65 | 44.37 | 44.15 | 1.44 | ppb |
| Thallium | 205-1 | 43.81 | 44.73 | 44.36 | 44.30 | 1.04 | ppb |
| Tin | 118-1 | 49.57 | 49.32 | 51.32 | 50.07 | 2.18 | ppb |
| Titanium | 47-1 | 562.30 | 574.93 | 567.50 | 568.24 | 1.12 | ppb |

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LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S3 | Instrumnet Name : | P7 |
| Client Sample ID : | S3 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:45:21 | DataFile Name : | 006CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 42.08 | 43.23 | 43.12 | 42.81 | 1.49 | ppb |
| Vanadium | 51-2 | 50.97 | 50.89 | 50.39 | 50.75 | 0.62 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | 522.31 | 510.11 | 510.50 | 514.30 | 1.35 | ppb |
| Zirconium | 90-1 | 49.12 | 50.67 | 51.33 | 50.38 | 2.25 | ppb |
| Zirconium | 91-1 | 49.57 | 50.53 | 51.64 | 50.58 | 2.04 | ppb |

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Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S4 | Instrumnet Name : | P7 |
| Client Sample ID : | S4 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:48:28 | DataFile Name : | 007CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2714.58 | 2767.16 | 2742.76 | 2741.50 | 0.96 | ppb |
| Antimony | 121-1 | 121.70 | 126.39 | 124.13 | 124.07 | 1.89 | ppb |
| Arsenic | 75-2 | 123.96 | 131.84 | 132.55 | 129.45 | 3.68 | ppb |
| Barium | 135-1 | 598.00 | 615.19 | 609.27 | 607.49 | 1.44 | ppb |
| Barium | 137-1 | 623.87 | 641.74 | 645.50 | 637.04 | 1.81 | ppb |
| Beryllium | 9-1 | 138.01 | 137.86 | 139.50 | 138.46 | 0.65 | ppb |
| Bismuth | 209-1 | | | | 103 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 129.32 | 138.16 | 137.07 | 134.85 | 3.57 | ppb |
| Cadmium | 106-1 | 130.74 | 134.00 | 131.51 | 132.09 | 1.29 | ppb |
| Cadmium | 111-1 | 129.03 | 133.02 | 130.53 | 130.86 | 1.54 | ppb |
| Calcium | 43-1 | 15369.45 | 15526.30 | 15497.00 | 15464.25 | 0.54 | ppb |
| Calcium | 44-1 | 13652.32 | 14068.88 | 13568.53 | 13763.24 | 1.95 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 127.92 | 131.34 | 129.04 | 129.44 | 1.35 | ppb |
| Cobalt | 59-2 | 127.93 | 130.06 | 129.00 | 129.00 | 0.83 | ppb |
| Copper | 63-2 | 1331.18 | 1325.56 | 1339.14 | 1331.96 | 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 | | | | 104 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 101 | | % |
| Iron | 56-2 | 6643.52 | 6729.77 | 6850.45 | 6741.25 | 1.54 | ppb |
| Iron | 57-2 | 7080.09 | 7111.76 | 7158.50 | 7116.78 | 0.55 | ppb |
| Iron | 54-2 | 7148.04 | 7281.60 | 7245.98 | 7225.21 | 0.96 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S4 | Instrumnet Name : | P7 |
| Client Sample ID : | S4 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:48:28 | DataFile Name : | 007CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 653.20 | 644.41 | 652.14 | 649.91 | 0.74 | ppb |
| Lead | 207-1 | 637.70 | 645.04 | 634.56 | 639.10 | 0.84 | ppb |
| Lead | 208-1 | 635.55 | 643.80 | 637.54 | 638.96 | 0.67 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 12938.36 | 13192.30 | 12750.93 | 12960.53 | 1.71 | ppb |
| Manganese | 55-2 | 1246.97 | 1282.27 | 1274.04 | 1267.76 | 1.46 | ppb |
| Molybdenum | 94-1 | 1354.84 | 1406.59 | 1402.32 | 1387.92 | 2.07 | ppb |
| Molybdenum | 95-1 | 1372.47 | 1401.66 | 1422.49 | 1398.87 | 1.80 | ppb |
| Molybdenum | 96-1 | 1376.99 | 1421.79 | 1420.21 | 1406.33 | 1.81 | ppb |
| Molybdenum | 97-1 | 1392.88 | 1442.98 | 1435.87 | 1423.91 | 1.90 | ppb |
| Molybdenum | 98-1 | 1351.90 | 1383.40 | 1404.40 | 1379.90 | 1.91 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 148.69 | 150.38 | 148.98 | 149.35 | 0.61 | ppb |
| Phosphorus | 31-2 | 2482.95 | 2575.69 | 2565.18 | 2541.28 | 2.00 | ppb |
| Potassium | 39-2 | 6549.44 | 6584.79 | 6539.74 | 6557.99 | 0.36 | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 104 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 125.35 | 130.31 | 130.95 | 128.87 | 2.38 | ppb |
| Selenium | 77-2 | 129.77 | 122.17 | 132.61 | 128.18 | 4.21 | ppb |
| Selenium | 78-2 | 129.09 | 135.79 | 133.11 | 132.66 | 2.54 | ppb |
| Silicon | 28-1 | 124.91 | 126.76 | 126.05 | 125.90 | 0.74 | ppb |
| Silver | 107-1 | 128.12 | 132.60 | 130.44 | 130.39 | 1.71 | ppb |
| Silver | 109-1 | 127.01 | 133.14 | 131.47 | 130.54 | 2.43 | ppb |
| Sodium | 23-2 | 13122.60 | 13155.91 | 12681.55 | 12986.68 | 2.04 | ppb |
| Strontium | 86-1 | 3137.70 | 3238.39 | 3188.05 | 3188.05 | 1.58 | ppb |
| Strontium | 88-1 | 3183.12 | 3219.81 | 3175.92 | 3192.95 | 0.74 | ppb |
| Sulfur | 34-1 | 2430.00 | 2284.23 | 2365.88 | 2360.04 | 3.10 | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 113.53 | 114.85 | 114.89 | 114.42 | 0.68 | ppb |
| Thallium | 205-1 | 113.35 | 115.33 | 114.44 | 114.37 | 0.87 | ppb |
| Tin | 118-1 | 124.81 | 129.00 | 125.94 | 126.58 | 1.71 | ppb |
| Titanium | 47-1 | 1427.54 | 1400.80 | 1405.80 | 1411.38 | 1.01 | ppb |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S4 | Instrumnet Name : | P7 |
| Client Sample ID : | S4 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:48:28 | DataFile Name : | 007CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 120.64 | 128.69 | 122.52 | 123.95 | 3.40 | ppb |
| Vanadium | 51-2 | 128.71 | 129.27 | 128.46 | 128.82 | 0.32 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 1279.91 | 1309.84 | 1277.79 | 1289.18 | 1.39 | ppb |
| Zirconium | 90-1 | 122.40 | 125.70 | 129.62 | 125.91 | 2.87 | ppb |
| Zirconium | 91-1 | 124.26 | 127.05 | 129.09 | 126.80 | 1.91 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S5 | Instrumnet Name : | P7 |
| Client Sample ID : | S5 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:51:26 | DataFile Name : | 008CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5177.24 | 5207.11 | 5191.91 | 5192.09 | 0.29 | ppb |
| Antimony | 121-1 | 242.71 | 243.20 | 250.74 | 245.55 | 1.83 | ppb |
| Arsenic | 75-2 | 252.00 | 254.14 | 259.67 | 255.27 | 1.55 | ppb |
| Barium | 135-1 | 1232.24 | 1235.07 | 1267.28 | 1244.87 | 1.56 | ppb |
| Barium | 137-1 | 1222.10 | 1249.47 | 1264.06 | 1245.21 | 1.71 | ppb |
| Beryllium | 9-1 | 265.52 | 274.94 | 270.05 | 270.17 | 1.74 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 102 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 245.52 | 254.09 | 263.22 | 254.28 | 3.48 | ppb |
| Cadmium | 106-1 | 250.33 | 252.56 | 260.32 | 254.40 | 2.06 | ppb |
| Cadmium | 111-1 | 245.32 | 249.39 | 259.30 | 251.34 | 2.86 | ppb |
| Calcium | 43-1 | 29933.57 | 29764.29 | 30468.23 | 30055.37 | 1.22 | ppb |
| Calcium | 44-1 | 26348.52 | 26756.83 | 27283.67 | 26796.34 | 1.75 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 253.75 | 255.79 | 258.51 | 256.02 | 0.93 | ppb |
| Cobalt | 59-2 | 253.51 | 252.24 | 255.61 | 253.79 | 0.67 | ppb |
| Copper | 63-2 | 2620.34 | 2614.10 | 2606.80 | 2613.75 | 0.26 | 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 | | | | 105 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 13366.15 | 13256.23 | 13530.03 | 13384.14 | 1.03 | ppb |
| Iron | 57-2 | 14111.13 | 13934.70 | 14145.39 | 14063.74 | 0.80 | ppb |
| Iron | 54-2 | 13740.90 | 13697.42 | 13855.92 | 13764.75 | 0.59 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S5 | Instrumnet Name : | P7 |
| Client Sample ID : | S5 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:51:26 | DataFile Name : | 008CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1251.35 | 1281.06 | 1248.57 | 1260.33 | 1.43 | ppb |
| Lead | 207-1 | 1265.87 | 1297.31 | 1232.83 | 1265.34 | 2.55 | ppb |
| Lead | 208-1 | 1240.63 | 1293.20 | 1240.78 | 1258.20 | 2.41 | ppb |
| Lithium | 6-1 | | | | 111 | | % |
| Magnesium | 24-2 | 25705.24 | 25700.25 | 25557.18 | 25654.22 | 0.33 | ppb |
| Manganese | 55-2 | 2521.67 | 2509.75 | 2556.98 | 2529.47 | 0.97 | ppb |
| Molybdenum | 94-1 | 2768.56 | 2826.72 | 2842.70 | 2812.66 | 1.39 | ppb |
| Molybdenum | 95-1 | 2741.36 | 2769.25 | 2823.56 | 2778.06 | 1.50 | ppb |
| Molybdenum | 96-1 | 2741.56 | 2827.27 | 2825.26 | 2798.03 | 1.75 | ppb |
| Molybdenum | 97-1 | 2766.00 | 2805.80 | 2842.12 | 2804.64 | 1.36 | ppb |
| Molybdenum | 98-1 | 2746.78 | 2811.99 | 2836.13 | 2798.30 | 1.65 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 292.94 | 295.64 | 292.02 | 293.53 | 0.64 | ppb |
| Phosphorus | 31-2 | 5105.87 | 5088.09 | 5079.58 | 5091.18 | 0.26 | ppb |
| Potassium | 39-2 | 13064.94 | 13352.70 | 12881.76 | 13099.80 | 1.81 | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 104 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 255.46 | 266.02 | 263.34 | 261.61 | 2.10 | ppb |
| Selenium | 77-2 | 260.85 | 265.10 | 280.88 | 268.94 | 3.92 | ppb |
| Selenium | 78-2 | 259.80 | 259.80 | 261.06 | 260.22 | 0.28 | ppb |
| Silicon | 28-1 | 254.45 | 252.53 | 255.85 | 254.28 | 0.66 | ppb |
| Silver | 107-1 | 246.71 | 260.82 | 268.35 | 258.63 | 4.25 | ppb |
| Silver | 109-1 | 248.72 | 254.60 | 264.98 | 256.10 | 3.21 | ppb |
| Sodium | 23-2 | 26056.58 | 26077.65 | 25914.13 | 26016.12 | 0.34 | ppb |
| Strontium | 86-1 | 6218.63 | 6399.96 | 6353.29 | 6323.96 | 1.49 | ppb |
| Strontium | 88-1 | 6265.00 | 6419.08 | 6443.63 | 6375.90 | 1.52 | ppb |
| Sulfur | 34-1 | 4939.10 | 4465.92 | 4680.77 | 4695.26 | 5.05 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 223.90 | 228.20 | 219.55 | 223.89 | 1.93 | ppb |
| Thallium | 205-1 | 249.76 | 256.21 | 241.25 | 249.07 | 3.01 | ppb |
| Tin | 118-1 | 240.34 | 243.80 | 252.94 | 245.69 | 2.65 | ppb |
| Titanium | 47-1 | 2733.95 | 2734.54 | 2744.60 | 2737.70 | 0.22 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S5 | Instrumnet Name : | P7 |
| Client Sample ID : | S5 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:51:26 | DataFile Name : | 008CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 241.56 | 251.68 | 239.22 | 244.15 | 2.71 | ppb |
| Vanadium | 51-2 | 254.96 | 256.64 | 257.70 | 256.43 | 0.54 | ppb |
| Yttrium | 89-1 | | | | 101 | | % |
| Yttrium | 89-2 | | | | 98 | | % |
| Zinc | 66-2 | 2565.47 | 2581.34 | 2551.04 | 2565.95 | 0.59 | ppb |
| Zirconium | 90-1 | 255.18 | 257.16 | 258.27 | 256.87 | 0.61 | ppb |
| Zirconium | 91-1 | 250.26 | 259.18 | 256.61 | 255.35 | 1.80 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S6 | Instrumnet Name : | P7 |
| Client Sample ID : | S6 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:54:16 | DataFile Name : | 009CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 10390.41 | 10135.13 | 10352.05 | 10292.53 | 1.34 | ppb |
| Antimony | 121-1 | 494.23 | 493.65 | 487.29 | 491.72 | 0.78 | ppb |
| Arsenic | 75-2 | 513.47 | 491.20 | 507.08 | 503.92 | 2.28 | ppb |
| Barium | 135-1 | 2454.45 | 2478.71 | 2442.41 | 2458.52 | 0.75 | ppb |
| Barium | 137-1 | 2518.32 | 2441.99 | 2421.34 | 2460.55 | 2.08 | ppb |
| Beryllium | 9-1 | 520.92 | 529.41 | 533.76 | 528.03 | 1.24 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 101 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 505.30 | 500.12 | 499.48 | 501.63 | 0.64 | ppb |
| Cadmium | 106-1 | 515.93 | 498.28 | 496.01 | 503.41 | 2.17 | ppb |
| Cadmium | 111-1 | 493.26 | 495.40 | 490.95 | 493.20 | 0.45 | ppb |
| Calcium | 43-1 | 60310.89 | 63250.20 | 62388.08 | 61983.06 | 2.44 | ppb |
| Calcium | 44-1 | 52918.64 | 55880.57 | 54798.25 | 54532.49 | 2.75 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 508.30 | 516.34 | 513.90 | 512.84 | 0.80 | ppb |
| Cobalt | 59-2 | 513.14 | 510.04 | 517.82 | 513.67 | 0.76 | ppb |
| Copper | 63-2 | 5215.88 | 5051.76 | 5197.64 | 5155.09 | 1.74 | 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 | | | | 107 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 27161.16 | 27120.96 | 27215.86 | 27165.99 | 0.18 | ppb |
| Iron | 57-2 | 28223.06 | 28152.35 | 28636.88 | 28337.43 | 0.92 | ppb |
| Iron | 54-2 | 26809.73 | 27465.81 | 27274.29 | 27183.27 | 1.24 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S6 | Instrumnet Name : | P7 |
| Client Sample ID : | S6 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:54:16 | DataFile Name : | 009CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2422.61 | 2564.99 | 2493.94 | 2493.85 | 2.85 | ppb |
| Lead | 207-1 | 2358.03 | 2559.86 | 2470.85 | 2462.91 | 4.11 | ppb |
| Lead | 208-1 | 2398.98 | 2542.30 | 2481.11 | 2474.13 | 2.91 | ppb |
| Lithium | 6-1 | | | | 114 | | % |
| Magnesium | 24-2 | 51700.71 | 51107.66 | 51975.82 | 51594.73 | 0.86 | ppb |
| Manganese | 55-2 | 5086.69 | 5098.10 | 5093.84 | 5092.88 | 0.11 | ppb |
| Molybdenum | 94-1 | 5319.03 | 5436.69 | 5704.29 | 5486.67 | 3.60 | ppb |
| Molybdenum | 95-1 | 5179.90 | 5563.04 | 5633.99 | 5458.98 | 4.47 | ppb |
| Molybdenum | 96-1 | 5357.47 | 5516.10 | 5552.36 | 5475.31 | 1.89 | ppb |
| Molybdenum | 97-1 | 5289.67 | 5618.32 | 5757.10 | 5555.03 | 4.32 | ppb |
| Molybdenum | 98-1 | 5180.58 | 5628.82 | 5743.02 | 5517.47 | 5.39 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 506.19 | 510.67 | 516.53 | 511.13 | 1.02 | ppb |
| Phosphorus | 31-2 | 10129.92 | 9899.43 | 10065.27 | 10031.54 | 1.19 | ppb |
| Potassium | 39-2 | 25976.98 | 26018.60 | 25333.11 | 25776.23 | 1.49 | ppb |
| Rhodium | 103-1 | | | | 99 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 97 | | % |
| Selenium | 82-1 | 487.19 | 507.31 | 523.61 | 506.03 | 3.61 | ppb |
| Selenium | 77-2 | 533.01 | 492.39 | 508.58 | 511.33 | 4.00 | ppb |
| Selenium | 78-2 | 524.30 | 490.54 | 513.15 | 509.33 | 3.38 | ppb |
| Silicon | 28-1 | 510.01 | 535.60 | 517.45 | 521.02 | 2.53 | ppb |
| Silver | 107-1 | 500.86 | 504.21 | 500.27 | 501.78 | 0.42 | ppb |
| Silver | 109-1 | 517.75 | 496.12 | 489.01 | 500.96 | 2.99 | ppb |
| Sodium | 23-2 | 52557.15 | 51435.02 | 53072.27 | 52354.81 | 1.60 | ppb |
| Strontium | 86-1 | 12129.72 | 12751.77 | 12920.02 | 12600.50 | 3.30 | ppb |
| Strontium | 88-1 | 12030.87 | 12853.03 | 12847.63 | 12577.18 | 3.76 | ppb |
| Sulfur | 34-1 | 9998.74 | 10528.06 | 10165.43 | 10230.74 | 2.65 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 492.25 | 521.04 | 496.31 | 503.20 | 3.10 | ppb |
| Thallium | 205-1 | 476.18 | 499.89 | 499.86 | 491.98 | 2.78 | ppb |
| Tin | 118-1 | 503.17 | 502.26 | 499.13 | 501.52 | 0.42 | ppb |
| Titanium | 47-1 | 5468.29 | 5726.19 | 5590.97 | 5595.15 | 2.31 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S6 | Instrumnet Name : | P7 |
| Client Sample ID : | S6 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:54:16 | DataFile Name : | 009CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 465.95 | 490.66 | 479.96 | 478.86 | 2.59 | ppb |
| Vanadium | 51-2 | 509.29 | 512.18 | 515.48 | 512.32 | 0.60 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 99 | | % |
| Zinc | 66-2 | 5228.34 | 5090.77 | 5325.64 | 5214.92 | 2.26 | ppb |
| Zirconium | 90-1 | 485.33 | 498.53 | 521.51 | 501.79 | 3.65 | ppb |
| Zirconium | 91-1 | 485.06 | 504.91 | 520.25 | 503.41 | 3.50 | ppb |

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LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S7 | Instrumnet Name : | P7 |
| Client Sample ID : | S7 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:57:06 | DataFile Name : | 010CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 19873.29 | 19949.95 | 19800.22 | 19874.48 | 0.38 | ppb |
| Antimony | 121-1 | 1002.73 | 1012.78 | 1000.76 | 1005.42 | 0.64 | ppb |
| Arsenic | 75-2 | 1001.56 | 999.12 | 987.69 | 996.12 | 0.74 | ppb |
| Barium | 135-1 | 5061.78 | 5021.39 | 4991.10 | 5024.75 | 0.71 | ppb |
| Barium | 137-1 | 4971.34 | 5090.31 | 4997.84 | 5019.83 | 1.24 | ppb |
| Beryllium | 9-1 | 970.13 | 986.45 | 980.38 | 978.99 | 0.84 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 102 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 998.89 | 997.13 | 994.25 | 996.76 | 0.24 | ppb |
| Cadmium | 106-1 | 999.21 | 986.70 | 1002.58 | 996.16 | 0.84 | ppb |
| Cadmium | 111-1 | 991.85 | 1007.94 | 1006.94 | 1002.24 | 0.90 | ppb |
| Calcium | 43-1 | 113562.45 | 115152.95 | 117944.40 | 115553.27 | 1.92 | ppb |
| Calcium | 44-1 | 106793.26 | 110151.61 | 109974.88 | 108973.25 | 1.73 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1002.99 | 977.91 | 993.48 | 991.46 | 1.28 | ppb |
| Cobalt | 59-2 | 991.88 | 997.28 | 985.82 | 991.66 | 0.58 | ppb |
| Copper | 63-2 | 10033.43 | 9805.52 | 9810.64 | 9883.19 | 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 | | | | 107 | | % |
| Holmium | 165-2 | | | | 108 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 52378.84 | 52713.28 | 52323.69 | 52471.94 | 0.40 | ppb |
| Iron | 57-2 | 52423.61 | 52483.69 | 52654.98 | 52520.76 | 0.23 | ppb |
| Iron | 54-2 | 53773.57 | 53975.33 | 53527.58 | 53758.83 | 0.42 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S7 | Instrumnet Name : | P7 |
| Client Sample ID : | S7 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:57:06 | DataFile Name : | 010CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 5030.80 | 5008.99 | 4956.23 | 4998.67 | 0.77 | ppb |
| Lead | 207-1 | 5044.71 | 4993.07 | 5005.66 | 5014.48 | 0.54 | ppb |
| Lead | 208-1 | 5014.35 | 5013.54 | 5001.75 | 5009.88 | 0.14 | ppb |
| Lithium | 6-1 | | | | 112 | | % |
| Magnesium | 24-2 | 100715.93 | 102143.43 | 101866.85 | 101575.40 | 0.75 | ppb |
| Manganese | 55-2 | 10030.57 | 9804.79 | 9994.60 | 9943.32 | 1.22 | ppb |
| Molybdenum | 94-1 | 10737.11 | 11131.96 | 11098.22 | 10989.10 | 1.99 | ppb |
| Molybdenum | 95-1 | 10846.19 | 11187.96 | 10997.18 | 11010.44 | 1.56 | ppb |
| Molybdenum | 96-1 | 10834.20 | 11146.68 | 11006.24 | 10995.70 | 1.42 | ppb |
| Molybdenum | 97-1 | 10877.98 | 11049.76 | 10929.01 | 10952.25 | 0.81 | ppb |
| Molybdenum | 98-1 | 10686.23 | 11106.63 | 11142.61 | 10978.49 | 2.31 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 988.61 | 974.35 | 978.29 | 980.42 | 0.75 | ppb |
| Phosphorus | 31-2 | 20178.68 | 19876.71 | 19814.85 | 19956.75 | 0.98 | ppb |
| Potassium | 39-2 | 51871.85 | 50914.86 | 51254.57 | 51347.10 | 0.94 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 104 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 976.71 | 1007.63 | 996.21 | 993.51 | 1.57 | ppb |
| Selenium | 77-2 | 991.41 | 991.81 | 984.89 | 989.37 | 0.39 | ppb |
| Selenium | 78-2 | 989.30 | 983.22 | 1002.29 | 991.61 | 0.98 | ppb |
| Silicon | 28-1 | 982.09 | 984.85 | 998.13 | 988.35 | 0.87 | ppb |
| Silver | 107-1 | 1011.53 | 982.67 | 994.30 | 996.17 | 1.46 | ppb |
| Silver | 109-1 | 1009.67 | 987.65 | 994.33 | 997.22 | 1.13 | ppb |
| Sodium | 23-2 | 103281.02 | 104232.10 | 104476.88 | 103996.66 | 0.61 | ppb |
| Strontium | 86-1 | 24272.69 | 25718.49 | 24774.81 | 24922.00 | 2.95 | ppb |
| Strontium | 88-1 | 24777.55 | 25254.31 | 24728.76 | 24920.20 | 1.17 | ppb |
| Sulfur | 34-1 | 19435.97 | 20042.47 | 20449.74 | 19976.06 | 2.55 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 1007.73 | 1014.87 | 997.03 | 1006.54 | 0.89 | ppb |
| Thallium | 205-1 | 1011.47 | 998.34 | 1007.76 | 1005.86 | 0.67 | ppb |
| Tin | 118-1 | 996.59 | 1001.77 | 1001.98 | 1000.12 | 0.31 | ppb |
| Titanium | 47-1 | 10550.87 | 11170.61 | 11128.65 | 10950.04 | 3.16 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S7 | Instrumnet Name : | P7 |
| Client Sample ID : | S7 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:57:06 | DataFile Name : | 010CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 994.59 | 1018.79 | 1024.19 | 1012.52 | 1.56 | ppb |
| Vanadium | 51-2 | 991.64 | 1009.28 | 974.24 | 991.72 | 1.77 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | 10015.94 | 9857.84 | 9737.54 | 9870.44 | 1.41 | ppb |
| Zirconium | 90-1 | 984.68 | 1007.36 | 999.73 | 997.25 | 1.16 | ppb |
| Zirconium | 91-1 | 967.42 | 1016.42 | 1006.28 | 996.71 | 2.60 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S8 | Instrumnet Name : | P7 |
| Client Sample ID : | S8 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:59:52 | DataFile Name : | 011CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 101386.62 | 97949.98 | 100602.89 | 99979.83 | 1.80 | ppb |
| Antimony | 121-1 | 0.74 | 0.77 | 0.83 | 0.78 | 5.68 | ppb |
| Arsenic | 75-2 | 0.56 | 0.68 | 0.46 | 0.57 | 19.22 | ppb |
| Barium | 135-1 | 1.84 | 2.01 | 1.96 | 1.94 | 4.47 | ppb |
| Barium | 137-1 | 2.04 | 2.09 | 2.00 | 2.04 | 2.10 | ppb |
| Beryllium | 9-1 | 0.15 | 0.15 | 0.16 | 0.15 | 3.94 | ppb |
| Bismuth | 209-1 | | | | 93 | | % |
| Bismuth | 209-2 | | | | 92 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.61 | 0.56 | 0.53 | 0.57 | 7.00 | ppb |
| Cadmium | 106-1 | -0.88 | -0.63 | -0.35 | -0.62 | | ppb |
| Cadmium | 111-1 | 0.10 | 0.13 | 0.18 | 0.14 | 26.68 | ppb |
| Calcium | 43-1 | 496614.22 | 493767.25 | 495677.22 | 495352.90 | 0.29 | ppb |
| Calcium | 44-1 | 496960.57 | 497577.36 | 498340.64 | 497626.19 | 0.14 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 4.11 | 4.15 | 4.22 | 4.16 | 1.26 | ppb |
| Cobalt | 59-2 | 2.45 | 2.46 | 2.53 | 2.48 | 1.74 | ppb |
| Copper | 63-2 | 2.16 | 2.17 | 2.14 | 2.16 | 0.61 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 104 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 93 | | % |
| Indium | 115-2 | | | | 94 | | % |
| Iron | 56-2 | 249839.77 | 246757.01 | 251096.37 | 249231.05 | 0.90 | ppb |
| Iron | 57-2 | 250117.71 | 248359.37 | 248700.55 | 249059.21 | 0.37 | ppb |
| Iron | 54-2 | 248539.70 | 253373.71 | 244902.94 | 248938.78 | 1.71 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S8 | Instrumnet Name : | P7 |
| Client Sample ID : | S8 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:59:52 | DataFile Name : | 011CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1.70 | 1.80 | 1.81 | 1.77 | 3.64 | ppb |
| Lead | 207-1 | 1.68 | 1.73 | 1.74 | 1.71 | 1.99 | ppb |
| Lead | 208-1 | 1.70 | 1.77 | 1.77 | 1.75 | 2.34 | ppb |
| Lithium | 6-1 | | | | 110 | | % |
| Magnesium | 24-2 | 504338.81 | 497488.89 | 496605.43 | 499477.71 | 0.85 | ppb |
| Manganese | 55-2 | 5.18 | 5.42 | 5.40 | 5.33 | 2.54 | ppb |
| Molybdenum | 94-1 | 3.22 | 3.38 | 3.10 | 3.23 | 4.26 | ppb |
| Molybdenum | 95-1 | 2.37 | 2.38 | 2.47 | 2.41 | 2.11 | ppb |
| Molybdenum | 96-1 | 4.38 | 4.27 | 4.35 | 4.33 | 1.40 | ppb |
| Molybdenum | 97-1 | 2.40 | 2.30 | 2.39 | 2.36 | 2.35 | ppb |
| Molybdenum | 98-1 | 2.40 | 2.27 | 2.25 | 2.31 | 3.54 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 4.49 | 4.63 | 4.75 | 4.62 | 2.80 | ppb |
| Phosphorus | 31-2 | -7.86 | -7.59 | -9.72 | -8.39 | | ppb |
| Potassium | 39-2 | 251759.76 | 250030.44 | 247046.87 | 249612.36 | 0.96 | ppb |
| Rhodium | 103-1 | | | | 88 | | % |
| Rhodium | 103-2 | | | | 88 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | 1.66 | 1.17 | 1.80 | 1.54 | 21.33 | ppb |
| Selenium | 77-2 | 0.64 | 0.25 | 1.43 | 0.78 | 77.25 | ppb |
| Selenium | 78-2 | 2.10 | 0.29 | 0.22 | 0.87 | 122.16 | ppb |
| Silicon | 28-1 | 2.46 | 2.34 | 2.12 | 2.31 | 7.46 | ppb |
| Silver | 107-1 | 0.13 | 0.13 | 0.12 | 0.13 | 4.15 | ppb |
| Silver | 109-1 | 0.15 | 0.13 | 0.11 | 0.13 | 14.37 | ppb |
| Sodium | 23-2 | 504358.40 | 491979.70 | 500362.57 | 498900.22 | 1.27 | ppb |
| Strontium | 86-1 | 4.61 | 4.46 | 4.48 | 4.52 | 1.86 | ppb |
| Strontium | 88-1 | 4.73 | 4.42 | 4.49 | 4.55 | 3.62 | ppb |
| Sulfur | 34-1 | -671.34 | -475.27 | -297.56 | -481.39 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.13 | 0.09 | 0.10 | 0.11 | 20.01 | ppb |
| Thallium | 205-1 | 0.12 | 0.10 | 0.09 | 0.11 | 14.64 | ppb |
| Tin | 118-1 | 0.73 | 0.75 | 0.88 | 0.79 | 10.45 | ppb |
| Titanium | 47-1 | 2.14 | 2.05 | 2.14 | 2.11 | 2.32 | ppb |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S8 | Instrumnet Name : | P7 |
| Client Sample ID : | S8 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:59:52 | DataFile Name : | 011CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.08 | 0.08 | 0.08 | 0.08 | 4.20 | ppb |
| Vanadium | 51-2 | 0.34 | 0.34 | 0.35 | 0.34 | 1.43 | ppb |
| Yttrium | 89-1 | | | | 99 | | % |
| Yttrium | 89-2 | | | | 97 | | % |
| Zinc | 66-2 | 4.29 | 4.23 | 4.52 | 4.34 | 3.51 | ppb |
| Zirconium | 90-1 | 0.56 | 0.53 | 0.55 | 0.55 | 2.49 | ppb |
| Zirconium | 91-1 | 0.53 | 0.54 | 0.55 | 0.54 | 1.55 | ppb |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICV01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 16:38:00 | DataFile Name : | 018ICV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 491.39 | 490.89 | 499.78 | 494.02 | 1.01 | ppb |
| Antimony | 121-1 | 180.35 | 190.10 | 189.31 | 186.59 | 2.90 | ppb |
| Arsenic | 75-2 | 193.84 | 197.71 | 192.15 | 194.57 | 1.46 | ppb |
| Barium | 135-1 | 89.02 | 94.53 | 92.67 | 92.07 | 3.04 | ppb |
| Barium | 137-1 | 90.13 | 95.88 | 94.96 | 93.66 | 3.30 | ppb |
| Beryllium | 9-1 | 108.95 | 103.95 | 103.74 | 105.55 | 2.80 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 142.54 | 151.61 | 140.12 | 144.76 | 4.19 | ppb |
| Cadmium | 106-1 | 152.49 | 155.52 | 150.47 | 152.82 | 1.66 | ppb |
| Cadmium | 111-1 | 100.13 | 104.84 | 103.56 | 102.84 | 2.37 | ppb |
| Calcium | 43-1 | 2286.36 | 2320.75 | 2300.07 | 2302.39 | 0.75 | ppb |
| Calcium | 44-1 | 2157.07 | 2197.10 | 2199.56 | 2184.58 | 1.09 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 96.74 | 97.44 | 97.49 | 97.22 | 0.43 | ppb |
| Cobalt | 59-2 | 97.69 | 98.54 | 98.18 | 98.13 | 0.44 | ppb |
| Copper | 63-2 | 99.75 | 99.03 | 99.84 | 99.54 | 0.44 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 105 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 1971.50 | 1989.62 | 2006.91 | 1989.35 | 0.89 | ppb |
| Iron | 57-2 | 2054.73 | 2104.93 | 2137.21 | 2098.96 | 1.98 | ppb |
| Iron | 54-2 | 2199.91 | 2213.88 | 2220.14 | 2211.31 | 0.47 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICV01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 16:38:00 | DataFile Name : | 018ICV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 181.31 | 189.28 | 182.27 | 184.29 | 2.36 | ppb |
| Lead | 207-1 | 172.69 | 179.46 | 173.29 | 175.15 | 2.14 | ppb |
| Lead | 208-1 | 185.47 | 191.23 | 189.35 | 188.68 | 1.56 | ppb |
| Lithium | 6-1 | | | | 107 | | % |
| Magnesium | 24-2 | 1126.46 | 1158.27 | 1158.88 | 1147.87 | 1.62 | ppb |
| Manganese | 55-2 | 98.77 | 98.87 | 98.74 | 98.79 | 0.07 | ppb |
| Molybdenum | 94-1 | 4657.82 | 5149.58 | 4850.51 | 4885.97 | 5.07 | ppb |
| Molybdenum | 95-1 | 4679.59 | 5021.04 | 4844.12 | 4848.25 | 3.52 | ppb |
| Molybdenum | 96-1 | 4712.14 | 4886.73 | 4750.95 | 4783.27 | 1.92 | ppb |
| Molybdenum | 97-1 | 4588.72 | 4994.71 | 4867.37 | 4816.93 | 4.31 | ppb |
| Molybdenum | 98-1 | 4642.96 | 4950.99 | 4805.42 | 4799.79 | 3.21 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 107.16 | 105.46 | 107.07 | 106.56 | 0.90 | ppb |
| Phosphorus | 31-2 | -13.47 | -12.30 | -14.46 | -13.41 | | ppb |
| Potassium | 39-2 | 2052.50 | 2066.34 | 2081.21 | 2066.69 | 0.69 | ppb |
| Rhodium | 103-1 | | | | 104 | | % |
| Rhodium | 103-2 | | | | 101 | | % |
| Scandium | 45-1 | | | | 105 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 191.59 | 200.61 | 198.38 | 196.86 | 2.39 | ppb |
| Selenium | 77-2 | 187.59 | 204.37 | 201.82 | 197.92 | 4.57 | ppb |
| Selenium | 78-2 | 189.41 | 202.00 | 200.06 | 197.15 | 3.44 | ppb |
| Silicon | 28-1 | 29.27 | 29.38 | 31.19 | 29.95 | 3.61 | ppb |
| Silver | 107-1 | 47.70 | 49.80 | 48.72 | 48.74 | 2.15 | ppb |
| Silver | 109-1 | 46.92 | 49.20 | 48.63 | 48.25 | 2.46 | ppb |
| Sodium | 23-2 | 2051.03 | 2069.77 | 2073.52 | 2064.77 | 0.58 | ppb |
| Strontium | 86-1 | 482.77 | 507.35 | 498.08 | 496.07 | 2.50 | ppb |
| Strontium | 88-1 | 493.75 | 507.04 | 496.53 | 499.11 | 1.41 | ppb |
| Sulfur | 34-1 | -184.68 | -247.31 | -301.53 | -244.50 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 183.69 | 189.04 | 183.30 | 185.34 | 1.73 | ppb |
| Thallium | 205-1 | 202.85 | 210.15 | 203.16 | 205.39 | 2.01 | ppb |
| Tin | 118-1 | 503.54 | 531.67 | 528.56 | 521.25 | 2.96 | ppb |
| Titanium | 47-1 | 4716.00 | 4868.00 | 4849.21 | 4811.07 | 1.72 | ppb |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICV01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 16:38:00 | DataFile Name : | 018ICV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 475.73 | 506.55 | 488.48 | 490.25 | 3.16 | ppb |
| Vanadium | 51-2 | 94.40 | 94.35 | 95.04 | 94.60 | 0.41 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 199.44 | 201.61 | 200.35 | 200.46 | 0.54 | ppb |
| Zirconium | 90-1 | 451.82 | 489.85 | 469.51 | 470.39 | 4.05 | ppb |
| Zirconium | 91-1 | 457.81 | 489.64 | 476.31 | 474.59 | 3.37 | ppb |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | LLICV | Instrumnet Name : | P7 |
| Client Sample ID : | LLICV | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:02:10 | DataFile Name : | 022LLIC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 19.94 | 18.27 | 19.80 | 19.34 | 4.78 | ppb |
| Antimony | 121-1 | 1.90 | 1.98 | 1.84 | 1.91 | 3.52 | ppb |
| Arsenic | 75-2 | 0.74 | 1.05 | 1.13 | 0.97 | 21.11 | ppb |
| Barium | 135-1 | 9.25 | 9.77 | 8.91 | 9.31 | 4.64 | ppb |
| Barium | 137-1 | 9.32 | 9.72 | 9.25 | 9.43 | 2.65 | ppb |
| Beryllium | 9-1 | 1.10 | 1.16 | 1.08 | 1.11 | 3.60 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.87 | 1.39 | 1.06 | 1.11 | 23.51 | ppb |
| Cadmium | 106-1 | -0.18 | 0.17 | -1.42 | -0.48 | | ppb |
| Cadmium | 111-1 | 0.82 | 1.00 | 0.80 | 0.88 | 12.38 | ppb |
| Calcium | 43-1 | 546.64 | 541.66 | 538.57 | 542.29 | 0.75 | ppb |
| Calcium | 44-1 | 541.51 | 547.67 | 539.25 | 542.81 | 0.80 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1.73 | 1.77 | 1.87 | 1.79 | 4.12 | ppb |
| Cobalt | 59-2 | 1.07 | 1.02 | 1.07 | 1.05 | 2.54 | ppb |
| Copper | 63-2 | 1.98 | 2.08 | 1.95 | 2.00 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 103 | | % |
| Iron | 56-2 | 54.39 | 54.36 | 52.53 | 53.76 | 1.99 | ppb |
| Iron | 57-2 | 52.60 | 56.60 | 63.10 | 57.43 | 9.23 | ppb |
| Iron | 54-2 | 57.06 | 58.00 | 56.18 | 57.08 | 1.60 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | LLICV | Instrumnet Name : | P7 |
| Client Sample ID : | LLICV | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:02:10 | DataFile Name : | 022LLIC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.84 | 0.81 | 0.78 | 0.81 | 3.94 | ppb |
| Lead | 207-1 | 0.83 | 0.79 | 0.78 | 0.80 | 3.15 | ppb |
| Lead | 208-1 | 0.84 | 0.81 | 0.81 | 0.82 | 2.24 | ppb |
| Lithium | 6-1 | | | | 103 | | % |
| Magnesium | 24-2 | 524.48 | 525.55 | 522.45 | 524.16 | 0.30 | ppb |
| Manganese | 55-2 | 0.94 | 0.94 | 0.89 | 0.92 | 2.92 | ppb |
| Molybdenum | 94-1 | 5.75 | 5.89 | 6.15 | 5.93 | 3.43 | ppb |
| Molybdenum | 95-1 | 5.00 | 4.93 | 4.99 | 4.98 | 0.81 | ppb |
| Molybdenum | 96-1 | 5.01 | 5.10 | 5.18 | 5.10 | 1.71 | ppb |
| Molybdenum | 97-1 | 4.97 | 4.94 | 4.90 | 4.94 | 0.71 | ppb |
| Molybdenum | 98-1 | 5.02 | 4.92 | 5.01 | 4.98 | 1.12 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.94 | 0.79 | 0.82 | 0.85 | 9.12 | ppb |
| Phosphorus | 31-2 | 23.68 | 13.83 | 13.93 | 17.15 | 32.99 | ppb |
| Potassium | 39-2 | 545.57 | 546.47 | 545.58 | 545.87 | 0.10 | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 104 | | % |
| Scandium | 45-1 | | | | 104 | | % |
| Scandium | 45-2 | | | | 104 | | % |
| Selenium | 82-1 | 4.80 | 5.25 | 5.72 | 5.25 | 8.76 | ppb |
| Selenium | 77-2 | 3.79 | 3.50 | 7.10 | 4.80 | 41.71 | ppb |
| Selenium | 78-2 | 2.83 | 5.11 | 6.69 | 4.88 | 39.81 | ppb |
| Silicon | 28-1 | 0.18 | 0.18 | 0.13 | 0.16 | 18.91 | ppb |
| Silver | 107-1 | 0.95 | 1.04 | 1.01 | 1.00 | 4.22 | ppb |
| Silver | 109-1 | 0.97 | 1.00 | 0.97 | 0.98 | 1.49 | ppb |
| Sodium | 23-2 | 545.07 | 538.80 | 539.95 | 541.27 | 0.62 | ppb |
| Strontium | 86-1 | 1.05 | 1.03 | 1.06 | 1.05 | 1.65 | ppb |
| Strontium | 88-1 | 1.04 | 1.03 | 1.05 | 1.04 | 1.06 | ppb |
| Sulfur | 34-1 | 325.12 | 363.94 | 231.40 | 306.82 | 22.21 | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 0.83 | 0.86 | 0.83 | 0.84 | 2.19 | ppb |
| Thallium | 205-1 | 0.85 | 0.83 | 0.86 | 0.85 | 1.39 | ppb |
| Tin | 118-1 | 4.84 | 4.96 | 4.76 | 4.85 | 2.05 | ppb |
| Titanium | 47-1 | 5.22 | 5.26 | 5.07 | 5.18 | 1.93 | ppb |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | LLICV | Instrumnet Name : | P7 |
| Client Sample ID : | LLICV | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:02:10 | DataFile Name : | 022LLIC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.80 | 0.82 | 0.83 | 0.82 | 1.69 | ppb |
| Vanadium | 51-2 | 5.15 | 5.10 | 5.01 | 5.09 | 1.38 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 4.70 | 4.66 | 4.60 | 4.65 | 0.99 | ppb |
| Zirconium | 90-1 | 0.94 | 0.94 | 0.96 | 0.95 | 1.66 | ppb |
| Zirconium | 91-1 | 0.89 | 0.94 | 0.95 | 0.93 | 3.46 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICB01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:05:27 | DataFile Name : | 023CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | -1.18 | -0.72 | -0.99 | -0.96 | | ppb |
| Antimony | 121-1 | 0.01 | 0.01 | 0.01 | 0.01 | 35.09 | ppb |
| Arsenic | 75-2 | -0.01 | -0.01 | 0.00 | 0.00 | | ppb |
| Barium | 135-1 | -0.04 | -0.02 | 0.02 | -0.01 | | ppb |
| Barium | 137-1 | 0.00 | -0.02 | -0.01 | -0.01 | | ppb |
| Beryllium | 9-1 | -0.02 | -0.01 | 0.00 | -0.01 | | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.13 | -0.04 | -0.04 | -0.07 | | ppb |
| Cadmium | 106-1 | -1.34 | -0.38 | -1.49 | -1.07 | | ppb |
| Cadmium | 111-1 | -0.10 | -0.03 | -0.12 | -0.08 | | ppb |
| Calcium | 43-1 | -3.97 | -4.33 | -3.39 | -3.90 | | ppb |
| Calcium | 44-1 | -7.64 | -8.35 | -7.72 | -7.91 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.29 | -0.26 | -0.24 | -0.26 | | ppb |
| Cobalt | 59-2 | -0.01 | -0.01 | -0.01 | -0.01 | | ppb |
| Copper | 63-2 | -0.07 | -0.05 | -0.07 | -0.06 | | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 104 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 104 | | % |
| Iron | 56-2 | -2.00 | -2.06 | -2.04 | -2.04 | | ppb |
| Iron | 57-2 | -1.38 | -1.23 | -0.67 | -1.09 | | ppb |
| Iron | 54-2 | -2.36 | -2.28 | -2.83 | -2.49 | | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICB01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:05:27 | DataFile Name : | 023CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | -0.05 | -0.03 | -0.04 | -0.04 | | ppb |
| Lead | 207-1 | -0.03 | -0.05 | -0.03 | -0.04 | | ppb |
| Lead | 208-1 | -0.04 | -0.04 | -0.04 | -0.04 | | ppb |
| Lithium | 6-1 | | | | 105 | | % |
| Magnesium | 24-2 | 0.13 | -0.23 | -0.20 | -0.10 | | ppb |
| Manganese | 55-2 | -0.15 | -0.11 | -0.09 | -0.12 | | ppb |
| Molybdenum | 94-1 | 0.00 | 0.00 | -0.02 | -0.01 | | ppb |
| Molybdenum | 95-1 | -0.03 | -0.02 | -0.03 | -0.03 | | ppb |
| Molybdenum | 96-1 | -0.01 | -0.02 | -0.02 | -0.02 | | ppb |
| Molybdenum | 97-1 | -0.03 | -0.04 | -0.02 | -0.03 | | ppb |
| Molybdenum | 98-1 | -0.02 | -0.02 | -0.01 | -0.02 | | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.20 | -0.18 | -0.12 | -0.17 | | ppb |
| Phosphorus | 31-2 | -22.65 | -19.03 | -14.10 | -18.60 | | ppb |
| Potassium | 39-2 | -3.94 | -6.23 | -3.16 | -4.44 | | ppb |
| Rhodium | 103-1 | | | | 105 | | % |
| Rhodium | 103-2 | | | | 103 | | % |
| Scandium | 45-1 | | | | 105 | | % |
| Scandium | 45-2 | | | | 105 | | % |
| Selenium | 82-1 | 0.59 | 0.36 | 0.27 | 0.41 | 39.88 | ppb |
| Selenium | 77-2 | -0.13 | -0.13 | -0.13 | -0.13 | | ppb |
| Selenium | 78-2 | -1.55 | -1.89 | 1.34 | -0.70 | | ppb |
| Silicon | 28-1 | -0.21 | -0.22 | -0.24 | -0.22 | | ppb |
| Silver | 107-1 | 0.01 | 0.02 | 0.01 | 0.01 | 44.36 | ppb |
| Silver | 109-1 | 0.01 | 0.01 | 0.01 | 0.01 | 32.38 | ppb |
| Sodium | 23-2 | -0.39 | -0.99 | -1.17 | -0.85 | | ppb |
| Strontium | 86-1 | -0.01 | 0.00 | 0.00 | 0.00 | | ppb |
| Strontium | 88-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Sulfur | 34-1 | 333.35 | 321.00 | 299.81 | 318.05 | 5.33 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Thallium | 205-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Tin | 118-1 | -0.01 | -0.03 | -0.01 | -0.02 | | ppb |
| Titanium | 47-1 | -0.01 | -0.02 | 0.01 | -0.01 | | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICB01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:05:27 | DataFile Name : | 023CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | 71.86 | ppb |
| Vanadium | 51-2 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Yttrium | 89-1 | | | | 106 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | -0.77 | -0.80 | -0.75 | -0.77 | | ppb |
| Zirconium | 90-1 | 0.00 | 0.00 | 0.00 | 0.00 | 42.90 | ppb |
| Zirconium | 91-1 | 0.01 | 0.02 | 0.00 | 0.01 | 95.92 | ppb |

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LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICSA01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSA01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:08:48 | DataFile Name : | 024ICSA.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 88401.71 | 89006.05 | 88707.11 | 88704.96 | 0.34 | ppb |
| Antimony | 121-1 | 0.99 | 1.01 | 1.05 | 1.02 | 2.87 | ppb |
| Arsenic | 75-2 | 0.40 | 0.38 | 0.32 | 0.37 | 11.36 | ppb |
| Barium | 135-1 | 1.23 | 1.35 | 1.33 | 1.30 | 4.70 | ppb |
| Barium | 137-1 | 1.35 | 1.28 | 1.31 | 1.31 | 2.48 | ppb |
| Beryllium | 9-1 | 0.32 | 0.26 | 0.27 | 0.28 | 10.76 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 102 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 7.38 | 5.87 | 6.14 | 6.47 | 12.47 | ppb |
| Cadmium | 106-1 | -0.23 | -1.93 | -1.77 | -1.31 | | ppb |
| Cadmium | 111-1 | 0.18 | 0.13 | 0.13 | 0.15 | 21.27 | ppb |
| Calcium | 43-1 | 91758.71 | 94228.30 | 95329.38 | 93772.13 | 1.95 | ppb |
| Calcium | 44-1 | 90090.14 | 95072.11 | 94641.59 | 93267.95 | 2.96 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 19.08 | 19.04 | 19.06 | 19.06 | 0.10 | ppb |
| Cobalt | 59-2 | 1.13 | 1.14 | 1.17 | 1.15 | 1.70 | ppb |
| Copper | 63-2 | 7.69 | 7.61 | 7.73 | 7.67 | 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 | | | | 107 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 99361.61 | 98231.02 | 99402.02 | 98998.22 | 0.67 | ppb |
| Iron | 57-2 | 99133.26 | 97578.44 | 98226.75 | 98312.81 | 0.79 | ppb |
| Iron | 54-2 | 99460.56 | 98928.76 | 99250.44 | 99213.25 | 0.27 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICSA01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSA01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:08:48 | DataFile Name : | 024ICSA.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 4.92 | 4.80 | 4.58 | 4.77 | 3.60 | ppb |
| Lead | 207-1 | 4.49 | 4.33 | 4.07 | 4.30 | 5.00 | ppb |
| Lead | 208-1 | 4.68 | 4.48 | 4.29 | 4.48 | 4.35 | ppb |
| Lithium | 6-1 | | | | 114 | | % |
| Magnesium | 24-2 | 90884.14 | 88412.05 | 88625.98 | 89307.39 | 1.53 | ppb |
| Manganese | 55-2 | 7.66 | 7.34 | 7.53 | 7.51 | 2.10 | ppb |
| Molybdenum | 94-1 | 1551.62 | 1537.88 | 1556.49 | 1548.66 | 0.62 | ppb |
| Molybdenum | 95-1 | 1857.94 | 1871.82 | 1879.99 | 1869.91 | 0.60 | ppb |
| Molybdenum | 96-1 | 1824.88 | 1841.81 | 1841.51 | 1836.06 | 0.53 | ppb |
| Molybdenum | 97-1 | 1893.82 | 1900.42 | 1892.50 | 1895.58 | 0.22 | ppb |
| Molybdenum | 98-1 | 1863.08 | 1874.82 | 1855.95 | 1864.61 | 0.51 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 5.20 | 4.99 | 5.31 | 5.16 | 3.16 | ppb |
| Phosphorus | 31-2 | 92578.13 | 92596.27 | 92179.92 | 92451.44 | 0.25 | ppb |
| Potassium | 39-2 | 94237.96 | 94512.37 | 94162.45 | 94304.26 | 0.20 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 106 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | 0.51 | 0.15 | 0.55 | 0.40 | 55.10 | ppb |
| Selenium | 77-2 | 0.61 | 0.25 | 0.26 | 0.37 | 55.48 | ppb |
| Selenium | 78-2 | -0.02 | -0.23 | -0.44 | -0.23 | | ppb |
| Silicon | 28-1 | 0.75 | 1.02 | 1.10 | 0.96 | 18.97 | ppb |
| Silver | 107-1 | 0.10 | 0.06 | 0.07 | 0.08 | 27.28 | ppb |
| Silver | 109-1 | 0.09 | 0.06 | 0.06 | 0.07 | 29.23 | ppb |
| Sodium | 23-2 | 97115.92 | 94115.79 | 96559.82 | 95930.51 | 1.66 | ppb |
| Strontium | 86-1 | 32.28 | 32.60 | 32.85 | 32.57 | 0.88 | ppb |
| Strontium | 88-1 | 33.03 | 33.16 | 33.45 | 33.21 | 0.64 | ppb |
| Sulfur | 34-1 | 91156.01 | 93207.00 | 97390.30 | 93917.77 | 3.38 | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.05 | 0.05 | 0.05 | 0.05 | 2.18 | ppb |
| Thallium | 205-1 | 0.05 | 0.05 | 0.05 | 0.05 | 1.63 | ppb |
| Tin | 118-1 | 0.17 | 0.19 | 0.20 | 0.19 | 10.68 | ppb |
| Titanium | 47-1 | 1851.41 | 1881.96 | 1899.11 | 1877.49 | 1.29 | ppb |

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LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICSA01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSA01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:08:48 | DataFile Name : | 024ICSA.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.01 | 0.01 | 0.01 | 0.01 | 5.44 | ppb |
| Vanadium | 51-2 | 0.17 | 0.16 | 0.18 | 0.17 | 6.02 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 99 | | % |
| Zinc | 66-2 | 10.00 | 10.11 | 9.80 | 9.97 | 1.59 | ppb |
| Zirconium | 90-1 | 0.02 | 0.03 | 0.03 | 0.03 | 20.96 | ppb |
| Zirconium | 91-1 | 0.04 | 0.02 | 0.02 | 0.03 | 37.02 | ppb |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSAB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:11:51 | DataFile Name : | 025ICSB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 89158.39 | 87898.61 | 92394.57 | 89817.19 | 2.58 | ppb |
| Antimony | 121-1 | 18.63 | 19.17 | 18.88 | 18.89 | 1.44 | ppb |
| Arsenic | 75-2 | 19.16 | 19.28 | 19.59 | 19.35 | 1.15 | ppb |
| Barium | 135-1 | 18.75 | 19.23 | 19.07 | 19.01 | 1.28 | ppb |
| Barium | 137-1 | 18.99 | 19.24 | 19.44 | 19.22 | 1.18 | ppb |
| Beryllium | 9-1 | 20.47 | 20.93 | 21.90 | 21.10 | 3.47 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 100 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 26.34 | 27.36 | 25.24 | 26.31 | 4.04 | ppb |
| Cadmium | 106-1 | 20.28 | 21.24 | 20.29 | 20.60 | 2.69 | ppb |
| Cadmium | 111-1 | 18.26 | 18.60 | 18.34 | 18.40 | 0.98 | ppb |
| Calcium | 43-1 | 97236.61 | 95834.09 | 95842.92 | 96304.54 | 0.84 | ppb |
| Calcium | 44-1 | 96882.92 | 95750.47 | 99238.57 | 97290.65 | 1.83 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 38.58 | 38.06 | 37.96 | 38.20 | 0.87 | ppb |
| Cobalt | 59-2 | 20.46 | 20.01 | 20.20 | 20.23 | 1.13 | ppb |
| Copper | 63-2 | 27.06 | 26.35 | 27.17 | 26.86 | 1.65 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 108 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 100049.61 | 100010.90 | 102176.88 | 100745.79 | 1.23 | ppb |
| Iron | 57-2 | 101623.70 | 101948.52 | 102715.68 | 102095.97 | 0.55 | ppb |
| Iron | 54-2 | 102054.30 | 99783.96 | 101222.80 | 101020.36 | 1.14 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSAB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:11:51 | DataFile Name : | 025ICSB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 23.20 | 22.75 | 22.49 | 22.81 | 1.59 | ppb |
| Lead | 207-1 | 22.05 | 21.17 | 21.16 | 21.46 | 2.38 | ppb |
| Lead | 208-1 | 22.23 | 21.86 | 21.78 | 21.96 | 1.11 | ppb |
| Lithium | 6-1 | | | | 107 | | % |
| Magnesium | 24-2 | 95049.28 | 95879.18 | 97212.98 | 96047.15 | 1.14 | ppb |
| Manganese | 55-2 | 27.24 | 26.81 | 27.33 | 27.13 | 1.03 | ppb |
| Molybdenum | 94-1 | 1632.16 | 1703.63 | 1682.11 | 1672.64 | 2.19 | ppb |
| Molybdenum | 95-1 | 1891.38 | 1923.83 | 1935.19 | 1916.80 | 1.19 | ppb |
| Molybdenum | 96-1 | 1883.80 | 1928.50 | 1887.91 | 1900.07 | 1.30 | ppb |
| Molybdenum | 97-1 | 1859.83 | 1994.05 | 1888.37 | 1914.08 | 3.69 | ppb |
| Molybdenum | 98-1 | 1886.13 | 1942.87 | 1924.46 | 1917.82 | 1.51 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 23.96 | 23.64 | 24.00 | 23.87 | 0.83 | ppb |
| Phosphorus | 31-2 | 95223.36 | 94174.78 | 94876.16 | 94758.10 | 0.56 | ppb |
| Potassium | 39-2 | 96824.27 | 97064.05 | 96616.92 | 96835.08 | 0.23 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 105 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 19.20 | 20.18 | 19.20 | 19.53 | 2.91 | ppb |
| Selenium | 77-2 | 20.68 | 24.63 | 16.83 | 20.71 | 18.85 | ppb |
| Selenium | 78-2 | 17.94 | 21.59 | 18.08 | 19.20 | 10.75 | ppb |
| Silicon | 28-1 | 3.99 | 4.22 | 4.09 | 4.10 | 2.76 | ppb |
| Silver | 107-1 | 17.42 | 17.49 | 17.74 | 17.55 | 0.94 | ppb |
| Silver | 109-1 | 17.11 | 17.49 | 17.39 | 17.33 | 1.15 | ppb |
| Sodium | 23-2 | 96296.88 | 97928.45 | 98696.56 | 97640.63 | 1.26 | ppb |
| Strontium | 86-1 | 80.57 | 84.37 | 84.88 | 83.27 | 2.83 | ppb |
| Strontium | 88-1 | 82.83 | 84.07 | 85.84 | 84.25 | 1.80 | ppb |
| Sulfur | 34-1 | 95397.21 | 94004.21 | 94686.71 | 94696.04 | 0.74 | ppb |
| Terbium | 159-1 | | | | 107 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 18.61 | 18.62 | 18.51 | 18.58 | 0.32 | ppb |
| Thallium | 205-1 | 18.57 | 18.61 | 18.27 | 18.48 | 1.02 | ppb |
| Tin | 118-1 | 47.86 | 48.80 | 47.63 | 48.10 | 1.28 | ppb |
| Titanium | 47-1 | 1949.99 | 2000.36 | 1962.79 | 1971.05 | 1.33 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSAB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:11:51 | DataFile Name : | 025ICSB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 44.67 | 45.28 | 44.18 | 44.71 | 1.24 | ppb |
| Vanadium | 51-2 | 18.84 | 19.26 | 19.43 | 19.18 | 1.59 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 32.22 | 31.44 | 31.09 | 31.58 | 1.83 | ppb |
| Zirconium | 90-1 | 47.22 | 49.24 | 48.58 | 48.35 | 2.14 | ppb |
| Zirconium | 91-1 | 47.24 | 49.00 | 48.69 | 48.31 | 1.94 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV01 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:14:56 | DataFile Name : | 026CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 49376.55 | 50674.24 | 49595.34 | 49882.05 | 1.39 | ppb |
| Antimony | 121-1 | 503.44 | 510.36 | 516.15 | 509.98 | 1.25 | ppb |
| Arsenic | 75-2 | 485.45 | 488.30 | 484.27 | 486.01 | 0.43 | ppb |
| Barium | 135-1 | 2388.10 | 2415.66 | 2474.97 | 2426.24 | 1.83 | ppb |
| Barium | 137-1 | 2454.39 | 2443.24 | 2475.33 | 2457.65 | 0.66 | ppb |
| Beryllium | 9-1 | 526.17 | 536.58 | 517.54 | 526.76 | 1.81 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 100 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 477.05 | 478.62 | 489.81 | 481.83 | 1.44 | ppb |
| Cadmium | 106-1 | 473.75 | 475.50 | 490.72 | 479.99 | 1.94 | ppb |
| Cadmium | 111-1 | 455.72 | 462.78 | 474.27 | 464.26 | 2.02 | ppb |
| Calcium | 43-1 | 250611.51 | 262176.02 | 261526.86 | 258104.80 | 2.52 | ppb |
| Calcium | 44-1 | 252517.62 | 253860.63 | 260101.82 | 255493.36 | 1.58 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 493.27 | 487.02 | 488.07 | 489.45 | 0.68 | ppb |
| Cobalt | 59-2 | 479.22 | 472.27 | 469.86 | 473.78 | 1.03 | ppb |
| Copper | 63-2 | 4791.42 | 4668.29 | 4760.74 | 4740.15 | 1.35 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 108 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 129801.19 | 127959.63 | 130707.89 | 129489.57 | 1.08 | ppb |
| Iron | 57-2 | 129013.18 | 124657.54 | 127074.37 | 126915.03 | 1.72 | ppb |
| Iron | 54-2 | 129009.19 | 126804.59 | 125947.90 | 127253.90 | 1.24 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV01 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:14:56 | DataFile Name : | 026CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2440.90 | 2500.49 | 2448.52 | 2463.30 | 1.32 | ppb |
| Lead | 207-1 | 2442.53 | 2486.45 | 2455.02 | 2461.33 | 0.92 | ppb |
| Lead | 208-1 | 2426.16 | 2466.29 | 2475.68 | 2456.04 | 1.07 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 248656.72 | 252127.36 | 253505.05 | 251429.71 | 0.99 | ppb |
| Manganese | 55-2 | 4815.84 | 4853.08 | 4830.88 | 4833.27 | 0.39 | ppb |
| Molybdenum | 94-1 | 5413.98 | 5447.49 | 5340.81 | 5400.76 | 1.01 | ppb |
| Molybdenum | 95-1 | 5511.64 | 5564.27 | 5358.18 | 5478.03 | 1.95 | ppb |
| Molybdenum | 96-1 | 5490.72 | 5460.54 | 5462.54 | 5471.26 | 0.31 | ppb |
| Molybdenum | 97-1 | 5370.45 | 5479.96 | 5472.39 | 5440.93 | 1.12 | ppb |
| Molybdenum | 98-1 | 5448.57 | 5533.11 | 5363.27 | 5448.32 | 1.56 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 465.29 | 469.22 | 473.86 | 469.46 | 0.91 | ppb |
| Phosphorus | 31-2 | 9822.36 | 9697.81 | 9607.04 | 9709.07 | 1.11 | ppb |
| Potassium | 39-2 | 126043.82 | 125631.52 | 125347.61 | 125674.32 | 0.28 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 105 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 475.28 | 477.22 | 476.27 | 476.26 | 0.20 | ppb |
| Selenium | 77-2 | 474.19 | 490.65 | 497.85 | 487.56 | 2.49 | ppb |
| Selenium | 78-2 | 479.71 | 487.36 | 470.38 | 479.15 | 1.78 | ppb |
| Silicon | 28-1 | 504.81 | 523.56 | 527.61 | 518.66 | 2.35 | ppb |
| Silver | 107-1 | 470.61 | 468.67 | 482.50 | 473.92 | 1.58 | ppb |
| Silver | 109-1 | 473.73 | 464.83 | 486.58 | 475.05 | 2.30 | ppb |
| Sodium | 23-2 | 257455.14 | 256444.61 | 258942.44 | 257614.06 | 0.49 | ppb |
| Strontium | 86-1 | 12437.06 | 12640.49 | 12077.34 | 12384.96 | 2.30 | ppb |
| Strontium | 88-1 | 12384.15 | 12510.65 | 12092.73 | 12329.18 | 1.74 | ppb |
| Sulfur | 34-1 | 9011.92 | 9460.92 | 9786.75 | 9419.86 | 4.13 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 499.13 | 498.61 | 500.97 | 499.57 | 0.25 | ppb |
| Thallium | 205-1 | 482.02 | 488.69 | 497.83 | 489.52 | 1.62 | ppb |
| Tin | 118-1 | 487.00 | 492.59 | 499.95 | 493.18 | 1.32 | ppb |
| Titanium | 47-1 | 5294.76 | 5416.96 | 5643.74 | 5451.82 | 3.25 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV01 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:14:56 | DataFile Name : | 026CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 498.96 | 502.86 | 513.45 | 505.09 | 1.48 | ppb |
| Vanadium | 51-2 | 496.62 | 492.92 | 496.27 | 495.27 | 0.41 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | 4731.06 | 4587.56 | 4744.07 | 4687.56 | 1.85 | ppb |
| Zirconium | 90-1 | 498.66 | 493.63 | 493.74 | 495.35 | 0.58 | ppb |
| Zirconium | 91-1 | 497.39 | 490.43 | 494.98 | 494.27 | 0.71 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB01 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:23:27 | DataFile Name : | 027CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 0.01 | 0.03 | -0.16 | -0.04 | | ppb |
| Antimony | 121-1 | 0.09 | 0.10 | 0.12 | 0.10 | 15.78 | ppb |
| Arsenic | 75-2 | 0.01 | -0.01 | -0.02 | 0.00 | | ppb |
| Barium | 135-1 | -0.01 | 0.00 | -0.01 | -0.01 | | ppb |
| Barium | 137-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Beryllium | 9-1 | 0.03 | 0.00 | 0.02 | 0.02 | 74.02 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.07 | -0.04 | -0.07 | -0.06 | | ppb |
| Cadmium | 106-1 | -1.64 | -2.67 | -2.83 | -2.38 | | ppb |
| Cadmium | 111-1 | -0.12 | -0.20 | -0.21 | -0.18 | | ppb |
| Calcium | 43-1 | -2.38 | 1.43 | -0.06 | -0.34 | | ppb |
| Calcium | 44-1 | -6.24 | -5.44 | -5.73 | -5.80 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.25 | -0.26 | -0.20 | -0.24 | | ppb |
| Cobalt | 59-2 | 0.00 | -0.01 | 0.00 | 0.00 | | ppb |
| Copper | 63-2 | 0.05 | 0.08 | 0.14 | 0.09 | 46.14 | 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 | | | | 104 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 0.04 | 0.67 | 0.91 | 0.54 | 82.54 | ppb |
| Iron | 57-2 | -1.25 | -2.34 | 0.74 | -0.95 | | ppb |
| Iron | 54-2 | 0.41 | -0.05 | -0.23 | 0.04 | 750.91 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB01 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:23:27 | DataFile Name : | 027CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.04 | 0.02 | 0.02 | 0.03 | 31.63 | ppb |
| Lead | 207-1 | 0.01 | 0.03 | 0.01 | 0.02 | 69.52 | ppb |
| Lead | 208-1 | 0.03 | 0.02 | 0.02 | 0.02 | 5.30 | ppb |
| Lithium | 6-1 | | | | 106 | | % |
| Magnesium | 24-2 | 4.00 | 4.55 | 4.83 | 4.46 | 9.47 | ppb |
| Manganese | 55-2 | -0.06 | -0.04 | -0.02 | -0.04 | | ppb |
| Molybdenum | 94-1 | 0.06 | 0.14 | 0.13 | 0.11 | 38.24 | ppb |
| Molybdenum | 95-1 | 0.04 | 0.09 | 0.07 | 0.07 | 39.03 | ppb |
| Molybdenum | 96-1 | 0.05 | 0.07 | 0.08 | 0.07 | 23.51 | ppb |
| Molybdenum | 97-1 | 0.03 | 0.06 | 0.07 | 0.05 | 44.69 | ppb |
| Molybdenum | 98-1 | 0.03 | 0.12 | 0.07 | 0.07 | 62.05 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.21 | -0.16 | -0.14 | -0.17 | | ppb |
| Phosphorus | 31-2 | -18.16 | -13.43 | -19.45 | -17.01 | | ppb |
| Potassium | 39-2 | -1.69 | 3.71 | -3.44 | -0.47 | | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 103 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | -0.23 | -1.05 | 0.59 | -0.23 | | ppb |
| Selenium | 77-2 | -0.13 | -0.13 | -0.13 | -0.13 | | ppb |
| Selenium | 78-2 | 0.53 | -0.14 | 0.49 | 0.30 | 127.49 | ppb |
| Silicon | 28-1 | -0.38 | -0.17 | -0.25 | -0.27 | | ppb |
| Silver | 107-1 | 0.01 | 0.01 | 0.01 | 0.01 | 24.58 | ppb |
| Silver | 109-1 | 0.01 | 0.01 | 0.01 | 0.01 | 17.76 | ppb |
| Sodium | 23-2 | 19.38 | 18.12 | 19.75 | 19.08 | 4.48 | ppb |
| Strontium | 86-1 | 0.07 | 0.14 | 0.15 | 0.12 | 35.98 | ppb |
| Strontium | 88-1 | 0.06 | 0.18 | 0.09 | 0.11 | 55.00 | ppb |
| Sulfur | 34-1 | -130.25 | 169.49 | -20.39 | 6.28 | 2412.93 | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.02 | 0.02 | 0.01 | 0.01 | 29.94 | ppb |
| Thallium | 205-1 | 0.02 | 0.02 | 0.01 | 0.02 | 15.03 | ppb |
| Tin | 118-1 | -0.02 | 0.01 | 0.00 | -0.01 | | ppb |
| Titanium | 47-1 | 0.07 | 0.08 | 0.09 | 0.08 | 9.48 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB01 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:23:27 | DataFile Name : | 027CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | 7.01 | ppb |
| Vanadium | 51-2 | 0.00 | 0.01 | 0.01 | 0.01 | 47.33 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | -0.67 | -0.58 | -0.66 | -0.64 | | ppb |
| Zirconium | 90-1 | 0.02 | 0.03 | 0.03 | 0.03 | 23.89 | ppb |
| Zirconium | 91-1 | 0.00 | 0.01 | 0.03 | 0.01 | 102.50 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CRI | Instrumnet Name : | P7 |
| Client Sample ID : | CRI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:26:43 | DataFile Name : | 028LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 20.18 | 20.01 | 20.71 | 20.30 | 1.80 | ppb |
| Antimony | 121-1 | 1.98 | 1.91 | 1.97 | 1.95 | 1.82 | ppb |
| Arsenic | 75-2 | 1.22 | 1.15 | 1.02 | 1.13 | 8.73 | ppb |
| Barium | 135-1 | 9.03 | 9.35 | 9.15 | 9.18 | 1.77 | ppb |
| Barium | 137-1 | 9.47 | 9.35 | 9.43 | 9.42 | 0.64 | ppb |
| Beryllium | 9-1 | 1.16 | 1.03 | 1.17 | 1.12 | 7.34 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 103 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.91 | 0.87 | 1.39 | 1.06 | 27.37 | ppb |
| Cadmium | 106-1 | 0.38 | -0.73 | -0.68 | -0.34 | | ppb |
| Cadmium | 111-1 | 0.95 | 0.82 | 0.87 | 0.88 | 7.56 | ppb |
| Calcium | 43-1 | 531.53 | 579.75 | 538.54 | 549.94 | 4.74 | ppb |
| Calcium | 44-1 | 547.03 | 553.61 | 557.11 | 552.58 | 0.93 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1.72 | 1.84 | 1.74 | 1.77 | 3.50 | ppb |
| Cobalt | 59-2 | 1.07 | 1.05 | 1.07 | 1.06 | 1.08 | ppb |
| Copper | 63-2 | 2.04 | 2.14 | 2.01 | 2.06 | 3.33 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 103 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 55.50 | 55.09 | 54.98 | 55.19 | 0.50 | ppb |
| Iron | 57-2 | 56.58 | 58.48 | 56.03 | 57.03 | 2.25 | ppb |
| Iron | 54-2 | 58.15 | 57.25 | 56.66 | 57.35 | 1.31 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CRI | Instrumnet Name : | P7 |
| Client Sample ID : | CRI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:26:43 | DataFile Name : | 028LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.87 | 0.92 | 0.87 | 0.89 | 3.43 | ppb |
| Lead | 207-1 | 0.85 | 0.83 | 0.89 | 0.85 | 3.16 | ppb |
| Lead | 208-1 | 0.90 | 0.87 | 0.87 | 0.88 | 1.68 | ppb |
| Lithium | 6-1 | | | | 105 | | % |
| Magnesium | 24-2 | 530.54 | 525.97 | 528.59 | 528.37 | 0.43 | ppb |
| Manganese | 55-2 | 0.95 | 0.99 | 1.03 | 0.99 | 4.22 | ppb |
| Molybdenum | 94-1 | 6.16 | 6.11 | 6.34 | 6.20 | 1.93 | ppb |
| Molybdenum | 95-1 | 5.03 | 5.14 | 5.25 | 5.14 | 2.12 | ppb |
| Molybdenum | 96-1 | 5.09 | 5.22 | 5.24 | 5.18 | 1.58 | ppb |
| Molybdenum | 97-1 | 5.07 | 5.06 | 5.13 | 5.09 | 0.75 | ppb |
| Molybdenum | 98-1 | 4.93 | 5.13 | 5.15 | 5.07 | 2.37 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.94 | 0.88 | 0.81 | 0.88 | 7.47 | ppb |
| Phosphorus | 31-2 | 16.93 | 10.14 | 6.58 | 11.21 | 46.91 | ppb |
| Potassium | 39-2 | 543.35 | 536.70 | 543.53 | 541.19 | 0.72 | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 103 | | % |
| Scandium | 45-1 | | | | 102 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 4.66 | 4.88 | 5.73 | 5.09 | 11.06 | ppb |
| Selenium | 77-2 | 4.69 | 5.19 | 3.68 | 4.52 | 16.97 | ppb |
| Selenium | 78-2 | 3.69 | 4.18 | 4.91 | 4.26 | 14.44 | ppb |
| Silicon | 28-1 | 0.06 | 0.10 | 0.11 | 0.09 | 28.11 | ppb |
| Silver | 107-1 | 0.97 | 0.98 | 0.96 | 0.97 | 0.91 | ppb |
| Silver | 109-1 | 0.98 | 0.97 | 1.00 | 0.98 | 1.51 | ppb |
| Sodium | 23-2 | 556.10 | 558.74 | 557.44 | 557.42 | 0.24 | ppb |
| Strontium | 86-1 | 1.06 | 1.10 | 1.09 | 1.08 | 1.88 | ppb |
| Strontium | 88-1 | 1.08 | 1.07 | 1.08 | 1.08 | 0.70 | ppb |
| Sulfur | 34-1 | 173.97 | 199.69 | 164.56 | 179.41 | 10.14 | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.86 | 0.86 | 0.86 | 0.86 | 0.44 | ppb |
| Thallium | 205-1 | 0.88 | 0.85 | 0.89 | 0.87 | 1.94 | ppb |
| Tin | 118-1 | 4.85 | 4.92 | 4.93 | 4.90 | 0.87 | ppb |
| Titanium | 47-1 | 5.37 | 5.49 | 5.17 | 5.34 | 3.05 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CRI | Instrumnet Name : | P7 |
| Client Sample ID : | CRI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:26:43 | DataFile Name : | 028LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.84 | 0.86 | 0.83 | 0.84 | 1.61 | ppb |
| Vanadium | 51-2 | 4.99 | 5.12 | 4.97 | 5.03 | 1.57 | ppb |
| Yttrium | 89-1 | | | | 101 | | % |
| Yttrium | 89-2 | | | | 99 | | % |
| Zinc | 66-2 | 4.84 | 4.70 | 4.99 | 4.84 | 3.01 | ppb |
| Zirconium | 90-1 | 0.96 | 0.96 | 1.00 | 0.98 | 2.21 | ppb |
| Zirconium | 91-1 | 0.98 | 0.94 | 0.96 | 0.96 | 1.63 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162950BL | Instrumnet Name : | P7 |
| Client Sample ID : | PB162950BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:31:39 | DataFile Name : | 029CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | -0.63 | -1.03 | -1.22 | -0.96 | | ppb |
| Antimony | 121-1 | 0.02 | 0.02 | 0.02 | 0.02 | 6.15 | ppb |
| Arsenic | 75-2 | -0.02 | -0.01 | -0.02 | -0.01 | | ppb |
| Barium | 135-1 | -0.01 | -0.02 | -0.03 | -0.02 | | ppb |
| Barium | 137-1 | -0.03 | -0.02 | -0.01 | -0.02 | | ppb |
| Beryllium | 9-1 | 0.02 | -0.01 | 0.01 | 0.01 | 157.17 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.10 | -0.13 | 0.02 | -0.07 | | ppb |
| Cadmium | 106-1 | -2.62 | -0.98 | -2.21 | -1.94 | | ppb |
| Cadmium | 111-1 | -0.19 | -0.08 | -0.17 | -0.15 | | ppb |
| Calcium | 43-1 | -3.30 | -4.41 | -4.02 | -3.91 | | ppb |
| Calcium | 44-1 | -7.91 | -9.80 | -8.74 | -8.81 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.23 | -0.27 | -0.27 | -0.26 | | ppb |
| Cobalt | 59-2 | -0.01 | -0.01 | -0.01 | -0.01 | | ppb |
| Copper | 63-2 | -0.02 | -0.04 | -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 | | | | 102 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | -1.99 | -1.85 | -1.63 | -1.83 | | ppb |
| Iron | 57-2 | -0.56 | -2.49 | -1.97 | -1.67 | | ppb |
| Iron | 54-2 | -2.16 | -2.30 | -1.29 | -1.91 | | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162950BL | Instrumnet Name : | P7 |
| Client Sample ID : | PB162950BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:31:39 | DataFile Name : | 029CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.00 | -0.01 | -0.02 | -0.01 | | ppb |
| Lead | 207-1 | -0.02 | -0.03 | -0.01 | -0.02 | | ppb |
| Lead | 208-1 | -0.02 | -0.02 | -0.02 | -0.02 | | ppb |
| Lithium | 6-1 | | | | 107 | | % |
| Magnesium | 24-2 | 0.75 | 0.51 | 0.56 | 0.61 | 20.75 | ppb |
| Manganese | 55-2 | -0.13 | -0.09 | -0.13 | -0.12 | | ppb |
| Molybdenum | 94-1 | 0.00 | -0.01 | 0.00 | 0.00 | | ppb |
| Molybdenum | 95-1 | -0.02 | -0.02 | -0.02 | -0.02 | | ppb |
| Molybdenum | 96-1 | -0.01 | -0.01 | -0.01 | -0.01 | | ppb |
| Molybdenum | 97-1 | -0.04 | -0.03 | -0.03 | -0.03 | | ppb |
| Molybdenum | 98-1 | -0.01 | -0.01 | -0.01 | -0.01 | | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.12 | -0.12 | -0.19 | -0.14 | | ppb |
| Phosphorus | 31-2 | -14.80 | -13.19 | -15.45 | -14.48 | | ppb |
| Potassium | 39-2 | -2.56 | -2.93 | -0.04 | -1.85 | | ppb |
| Rhodium | 103-1 | | | | 99 | | % |
| Rhodium | 103-2 | | | | 101 | | % |
| Scandium | 45-1 | | | | 103 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 0.64 | -0.45 | -0.22 | -0.01 | | ppb |
| Selenium | 77-2 | -0.13 | -0.13 | -0.13 | -0.13 | | ppb |
| Selenium | 78-2 | -0.01 | 0.18 | 1.65 | 0.60 | 150.24 | ppb |
| Silicon | 28-1 | -0.36 | -0.35 | -0.31 | -0.34 | | ppb |
| Silver | 107-1 | 0.01 | 0.01 | 0.01 | 0.01 | 9.01 | ppb |
| Silver | 109-1 | 0.01 | 0.01 | 0.01 | 0.01 | 7.64 | ppb |
| Sodium | 23-2 | 9.61 | 8.71 | 7.66 | 8.66 | 11.24 | ppb |
| Strontium | 86-1 | 0.01 | -0.01 | -0.01 | 0.00 | | ppb |
| Strontium | 88-1 | 0.00 | 0.00 | 0.00 | 0.00 | 195.10 | ppb |
| Sulfur | 34-1 | 141.32 | 193.57 | 92.88 | 142.59 | 35.32 | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.01 | 0.01 | 0.00 | 0.01 | 22.35 | ppb |
| Thallium | 205-1 | 0.01 | 0.01 | 0.02 | 0.01 | 51.74 | ppb |
| Tin | 118-1 | -0.01 | -0.02 | -0.01 | -0.01 | | ppb |
| Titanium | 47-1 | 0.02 | 0.02 | 0.04 | 0.03 | 44.87 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162950BL | Instrumnet Name : | P7 |
| Client Sample ID : | PB162950BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:31:39 | DataFile Name : | 029CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | 47.98 | ppb |
| Vanadium | 51-2 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 99 | | % |
| Zinc | 66-2 | -0.74 | -0.57 | -0.62 | -0.64 | | ppb |
| Zirconium | 90-1 | 0.00 | 0.00 | 0.01 | 0.00 | 145.51 | ppb |
| Zirconium | 91-1 | 0.00 | 0.00 | 0.01 | 0.00 | 97.47 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162950BS | Instrumnet Name : | P7 |
| Client Sample ID : | PB162950BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:34:55 | DataFile Name : | 030LCSS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 10557.86 | 10471.00 | 10533.62 | 10520.83 | 0.43 | ppb |
| Antimony | 121-1 | 496.69 | 500.62 | 498.71 | 498.67 | 0.39 | ppb |
| Arsenic | 75-2 | 507.27 | 505.87 | 505.83 | 506.32 | 0.16 | ppb |
| Barium | 135-1 | 2485.59 | 2470.91 | 2539.65 | 2498.71 | 1.45 | ppb |
| Barium | 137-1 | 2511.01 | 2490.20 | 2539.35 | 2513.52 | 0.98 | ppb |
| Beryllium | 9-1 | 537.10 | 542.54 | 540.00 | 539.88 | 0.50 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 103 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 514.95 | 514.41 | 519.43 | 516.26 | 0.53 | ppb |
| Cadmium | 106-1 | 505.66 | 499.06 | 506.13 | 503.62 | 0.78 | ppb |
| Cadmium | 111-1 | 499.48 | 495.23 | 506.23 | 500.31 | 1.11 | ppb |
| Calcium | 43-1 | 60471.75 | 61880.80 | 60326.63 | 60893.06 | 1.41 | ppb |
| Calcium | 44-1 | 54319.68 | 54901.28 | 54222.05 | 54481.00 | 0.67 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 515.58 | 513.68 | 518.94 | 516.07 | 0.52 | ppb |
| Cobalt | 59-2 | 524.40 | 523.74 | 509.95 | 519.36 | 1.57 | ppb |
| Copper | 63-2 | 5252.43 | 5285.27 | 5166.78 | 5234.83 | 1.17 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 106 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 27196.86 | 26969.53 | 27281.14 | 27149.18 | 0.59 | ppb |
| Iron | 57-2 | 28619.83 | 28660.61 | 28433.25 | 28571.23 | 0.42 | ppb |
| Iron | 54-2 | 28002.81 | 28211.80 | 28019.72 | 28078.11 | 0.41 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162950BS | Instrumnet Name : | P7 |
| Client Sample ID : | PB162950BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:34:55 | DataFile Name : | 030LCSS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2547.11 | 2555.24 | 2538.24 | 2546.86 | 0.33 | ppb |
| Lead | 207-1 | 2524.98 | 2523.30 | 2570.50 | 2539.59 | 1.05 | ppb |
| Lead | 208-1 | 2518.80 | 2537.62 | 2547.34 | 2534.59 | 0.57 | ppb |
| Lithium | 6-1 | | | | 110 | | % |
| Magnesium | 24-2 | 53268.67 | 52941.82 | 52800.49 | 53003.66 | 0.45 | ppb |
| Manganese | 55-2 | 5115.25 | 5110.12 | 5138.94 | 5121.43 | 0.30 | ppb |
| Molybdenum | 94-1 | 5549.72 | 5508.09 | 5682.08 | 5579.96 | 1.63 | ppb |
| Molybdenum | 95-1 | 5595.54 | 5514.71 | 5556.35 | 5555.53 | 0.73 | ppb |
| Molybdenum | 96-1 | 5569.95 | 5404.62 | 5644.73 | 5539.77 | 2.22 | ppb |
| Molybdenum | 97-1 | 5703.47 | 5474.83 | 5713.10 | 5630.47 | 2.40 | ppb |
| Molybdenum | 98-1 | 5567.96 | 5505.26 | 5582.15 | 5551.79 | 0.74 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 517.87 | 520.20 | 518.91 | 518.99 | 0.22 | ppb |
| Phosphorus | 31-2 | 10128.68 | 9997.99 | 10136.63 | 10087.77 | 0.77 | ppb |
| Potassium | 39-2 | 25957.55 | 25604.54 | 26200.69 | 25920.92 | 1.16 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 105 | | % |
| Scandium | 45-2 | | | | 97 | | % |
| Selenium | 82-1 | 508.29 | 505.92 | 516.05 | 510.09 | 1.04 | ppb |
| Selenium | 77-2 | 506.93 | 528.82 | 527.99 | 521.25 | 2.38 | ppb |
| Selenium | 78-2 | 519.01 | 515.18 | 495.77 | 509.99 | 2.44 | ppb |
| Silicon | 28-1 | 536.38 | 521.90 | 498.28 | 518.85 | 3.71 | ppb |
| Silver | 107-1 | 517.48 | 515.46 | 520.36 | 517.77 | 0.48 | ppb |
| Silver | 109-1 | 509.20 | 505.54 | 517.24 | 510.66 | 1.17 | ppb |
| Sodium | 23-2 | 53411.23 | 54221.09 | 53642.81 | 53758.38 | 0.78 | ppb |
| Strontium | 86-1 | 12836.71 | 12639.10 | 13019.82 | 12831.88 | 1.48 | ppb |
| Strontium | 88-1 | 12839.99 | 12617.16 | 12912.79 | 12789.98 | 1.20 | ppb |
| Sulfur | 34-1 | 10355.25 | 10390.89 | 9611.18 | 10119.11 | 4.35 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 509.09 | 510.39 | 503.63 | 507.70 | 0.71 | ppb |
| Thallium | 205-1 | 510.77 | 512.33 | 501.35 | 508.15 | 1.17 | ppb |
| Tin | 118-1 | 520.86 | 507.48 | 515.48 | 514.61 | 1.31 | ppb |
| Titanium | 47-1 | 5603.55 | 5598.32 | 5479.59 | 5560.49 | 1.26 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162950BS | Instrumnet Name : | P7 |
| Client Sample ID : | PB162950BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:34:55 | DataFile Name : | 030LCSS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 501.94 | 499.30 | 479.93 | 493.72 | 2.43 | ppb |
| Vanadium | 51-2 | 511.34 | 517.37 | 511.51 | 513.41 | 0.67 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 99 | | % |
| Zinc | 66-2 | 5158.73 | 5291.19 | 5337.40 | 5262.44 | 1.76 | ppb |
| Zirconium | 90-1 | 500.03 | 503.70 | 504.43 | 502.72 | 0.47 | ppb |
| Zirconium | 91-1 | 504.09 | 502.64 | 515.41 | 507.38 | 1.38 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3426-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 927-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:41:03 | DataFile Name : | 031SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 33.62 | 36.00 | 32.51 | 34.04 | 5.24 | ppb |
| Antimony | 121-1 | 0.18 | 0.22 | 0.20 | 0.20 | 10.00 | ppb |
| Arsenic | 75-2 | 1.79 | 2.21 | 1.82 | 1.94 | 12.08 | ppb |
| Barium | 135-1 | 206.50 | 209.49 | 204.72 | 206.90 | 1.16 | ppb |
| Barium | 137-1 | 207.23 | 212.23 | 205.95 | 208.47 | 1.59 | ppb |
| Beryllium | 9-1 | 0.05 | 0.04 | 0.05 | 0.04 | 14.50 | ppb |
| Bismuth | 209-1 | | | | 101 | | % |
| Bismuth | 209-2 | | | | 98 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.10 | 0.02 | 0.04 | -0.01 | | ppb |
| Cadmium | 106-1 | -1.95 | -2.50 | -1.28 | -1.91 | | ppb |
| Cadmium | 111-1 | -0.12 | -0.18 | -0.09 | -0.13 | | ppb |
| Calcium | 43-1 | 35440.78 | 35274.08 | 35184.24 | 35299.70 | 0.37 | ppb |
| Calcium | 44-1 | 33329.35 | 32732.41 | 33146.85 | 33069.54 | 0.92 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 2.99 | 3.43 | 2.82 | 3.08 | 10.22 | ppb |
| Cobalt | 59-2 | 1.59 | 1.76 | 1.44 | 1.60 | 9.95 | ppb |
| Copper | 63-2 | 1.15 | 1.18 | 1.03 | 1.12 | 7.26 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 102 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 95 | | % |
| Iron | 56-2 | 4196.25 | 4567.75 | 4004.80 | 4256.26 | 6.73 | ppb |
| Iron | 57-2 | 4488.47 | 5037.75 | 4393.93 | 4640.05 | 7.49 | ppb |
| Iron | 54-2 | 4385.72 | 4916.91 | 4268.46 | 4523.69 | 7.64 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3426-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 927-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:41:03 | DataFile Name : | 031SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.44 | 0.48 | 0.44 | 0.45 | 6.11 | ppb |
| Lead | 207-1 | 0.39 | 0.41 | 0.42 | 0.40 | 3.27 | ppb |
| Lead | 208-1 | 0.44 | 0.43 | 0.43 | 0.43 | 1.87 | ppb |
| Lithium | 6-1 | | | | 110 | | % |
| Magnesium | 24-2 | 11329.16 | 12816.47 | 11015.69 | 11720.44 | 8.21 | ppb |
| Manganese | 55-2 | 6549.37 | 7496.15 | 6403.92 | 6816.48 | 8.70 | ppb |
| Molybdenum | 94-1 | 0.59 | 0.58 | 0.61 | 0.59 | 3.29 | ppb |
| Molybdenum | 95-1 | 0.65 | 0.55 | 0.65 | 0.62 | 9.03 | ppb |
| Molybdenum | 96-1 | 0.47 | 0.49 | 0.50 | 0.48 | 3.55 | ppb |
| Molybdenum | 97-1 | 0.44 | 0.40 | 0.44 | 0.43 | 5.51 | ppb |
| Molybdenum | 98-1 | 0.43 | 0.46 | 0.44 | 0.45 | 3.73 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 2.63 | 2.74 | 2.48 | 2.62 | 5.06 | ppb |
| Phosphorus | 31-2 | 56.31 | 57.58 | 50.96 | 54.95 | 6.39 | ppb |
| Potassium | 39-2 | 5728.01 | 6462.33 | 5540.37 | 5910.23 | 8.24 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 106 | | % |
| Scandium | 45-2 | | | | 94 | | % |
| Selenium | 82-1 | 0.40 | 0.70 | 0.86 | 0.65 | 36.00 | ppb |
| Selenium | 77-2 | -0.13 | -0.13 | 0.26 | 0.00 | 19496.48 | ppb |
| Selenium | 78-2 | -0.83 | 0.25 | 0.33 | -0.09 | | ppb |
| Silicon | 28-1 | 250.00 | 244.42 | 246.89 | 247.10 | 1.13 | ppb |
| Silver | 107-1 | 0.08 | 0.08 | 0.09 | 0.08 | 7.05 | ppb |
| Silver | 109-1 | 0.10 | 0.08 | 0.08 | 0.08 | 12.10 | ppb |
| Sodium | 23-2 | 169351.41 | 189557.14 | 166304.73 | 175071.09 | 7.22 | ppb |
| Strontium | 86-1 | 247.82 | 248.47 | 249.83 | 248.71 | 0.41 | ppb |
| Strontium | 88-1 | 250.59 | 250.02 | 246.45 | 249.02 | 0.90 | ppb |
| Sulfur | 34-1 | 530.54 | 308.39 | 406.62 | 415.19 | 26.81 | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | 0.03 | 0.03 | 0.03 | 0.03 | 5.04 | ppb |
| Thallium | 205-1 | 0.04 | 0.03 | 0.02 | 0.03 | 34.19 | ppb |
| Tin | 118-1 | 0.59 | 0.62 | 0.58 | 0.60 | 3.38 | ppb |
| Titanium | 47-1 | 2.99 | 0.76 | 0.97 | 1.57 | 78.35 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3426-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 927-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:41:03 | DataFile Name : | 031SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.03 | 0.03 | 0.02 | 0.03 | 15.82 | ppb |
| Vanadium | 51-2 | 0.42 | 0.47 | 0.40 | 0.43 | 8.76 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 95 | | % |
| Zinc | 66-2 | 12.37 | 14.57 | 11.90 | 12.95 | 11.02 | ppb |
| Zirconium | 90-1 | 0.13 | 0.13 | 0.13 | 0.13 | 1.90 | ppb |
| Zirconium | 91-1 | 0.13 | 0.15 | 0.15 | 0.14 | 9.24 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3426-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 927-K1-WS-073124-FD | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:44:15 | DataFile Name : | 032SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 28.34 | 30.98 | 28.51 | 29.28 | 5.05 | ppb |
| Antimony | 121-1 | 0.10 | 0.10 | 0.11 | 0.10 | 6.18 | ppb |
| Arsenic | 75-2 | 1.68 | 1.84 | 1.65 | 1.72 | 5.97 | ppb |
| Barium | 135-1 | 188.28 | 192.07 | 191.84 | 190.73 | 1.11 | ppb |
| Barium | 137-1 | 190.39 | 195.23 | 192.95 | 192.86 | 1.26 | ppb |
| Beryllium | 9-1 | 0.04 | 0.04 | 0.01 | 0.03 | 51.75 | ppb |
| Bismuth | 209-1 | | | | 102 | | % |
| Bismuth | 209-2 | | | | 101 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.04 | -0.01 | 0.01 | -0.01 | | ppb |
| Cadmium | 106-1 | -1.57 | -1.21 | -1.75 | -1.51 | | ppb |
| Cadmium | 111-1 | -0.12 | -0.09 | -0.14 | -0.12 | | ppb |
| Calcium | 43-1 | 32242.28 | 33442.19 | 33382.86 | 33022.44 | 2.05 | ppb |
| Calcium | 44-1 | 30648.14 | 31644.14 | 31831.42 | 31374.57 | 2.03 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.15 | 0.18 | 0.16 | 0.16 | 10.36 | ppb |
| Cobalt | 59-2 | 1.43 | 1.41 | 1.44 | 1.43 | 1.42 | ppb |
| Copper | 63-2 | 0.48 | 0.38 | 0.44 | 0.43 | 11.55 | 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 | | | | 104 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 3630.25 | 3715.33 | 3773.72 | 3706.43 | 1.95 | ppb |
| Iron | 57-2 | 4012.26 | 4132.06 | 4090.20 | 4078.17 | 1.49 | ppb |
| Iron | 54-2 | 3971.26 | 3945.39 | 3985.42 | 3967.35 | 0.51 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3426-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 927-K1-WS-073124-FD | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:44:15 | DataFile Name : | 032SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.25 | 0.27 | 0.28 | 0.27 | 5.60 | ppb |
| Lead | 207-1 | 0.19 | 0.23 | 0.22 | 0.21 | 9.13 | ppb |
| Lead | 208-1 | 0.22 | 0.24 | 0.24 | 0.24 | 4.58 | ppb |
| Lithium | 6-1 | | | | 112 | | % |
| Magnesium | 24-2 | 10550.47 | 10497.68 | 10435.91 | 10494.69 | 0.55 | ppb |
| Manganese | 55-2 | 6053.50 | 6074.01 | 6077.85 | 6068.45 | 0.22 | ppb |
| Molybdenum | 94-1 | 0.49 | 0.47 | 0.42 | 0.46 | 8.08 | ppb |
| Molybdenum | 95-1 | 0.48 | 0.46 | 0.45 | 0.46 | 2.54 | ppb |
| Molybdenum | 96-1 | 0.37 | 0.36 | 0.34 | 0.36 | 4.52 | ppb |
| Molybdenum | 97-1 | 0.33 | 0.33 | 0.27 | 0.31 | 10.21 | ppb |
| Molybdenum | 98-1 | 0.30 | 0.32 | 0.31 | 0.31 | 3.49 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.97 | 0.98 | 1.05 | 1.00 | 4.23 | ppb |
| Phosphorus | 31-2 | 41.99 | 40.56 | 46.44 | 43.00 | 7.14 | ppb |
| Potassium | 39-2 | 5265.83 | 5265.71 | 5301.85 | 5277.80 | 0.39 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 105 | | % |
| Scandium | 45-2 | | | | 97 | | % |
| Selenium | 82-1 | 0.64 | 0.53 | 0.37 | 0.52 | 26.60 | ppb |
| Selenium | 77-2 | -0.13 | -0.13 | 0.26 | 0.00 | 13126.74 | ppb |
| Selenium | 78-2 | -0.89 | 0.38 | -0.10 | -0.20 | | ppb |
| Silicon | 28-1 | 227.21 | 238.53 | 237.51 | 234.42 | 2.67 | ppb |
| Silver | 107-1 | 0.06 | 0.06 | 0.07 | 0.06 | 6.77 | ppb |
| Silver | 109-1 | 0.06 | 0.06 | 0.06 | 0.06 | 4.64 | ppb |
| Sodium | 23-2 | 157510.03 | 155356.99 | 158369.60 | 157078.87 | 0.99 | ppb |
| Strontium | 86-1 | 227.47 | 223.18 | 226.88 | 225.85 | 1.03 | ppb |
| Strontium | 88-1 | 234.19 | 224.60 | 232.91 | 230.57 | 2.26 | ppb |
| Sulfur | 34-1 | 359.52 | 536.00 | 506.41 | 467.31 | 20.22 | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.01 | 0.01 | 0.00 | 0.01 | 84.47 | ppb |
| Thallium | 205-1 | 0.01 | 0.01 | 0.01 | 0.01 | 9.21 | ppb |
| Tin | 118-1 | 0.11 | 0.08 | 0.13 | 0.11 | 21.36 | ppb |
| Titanium | 47-1 | 0.77 | 0.69 | 0.68 | 0.71 | 6.95 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3426-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 927-K1-WS-073124-FD | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:44:15 | DataFile Name : | 032SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.02 | 0.02 | 0.02 | 0.02 | 9.23 | ppb |
| Vanadium | 51-2 | 0.36 | 0.40 | 0.34 | 0.37 | 8.73 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 98 | | % |
| Zinc | 66-2 | 5.30 | 5.66 | 5.41 | 5.46 | 3.35 | ppb |
| Zirconium | 90-1 | 0.12 | 0.10 | 0.10 | 0.11 | 9.20 | ppb |
| Zirconium | 91-1 | 0.09 | 0.11 | 0.10 | 0.10 | 10.38 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3429-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:47:26 | DataFile Name : | 033SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 23.09 | 22.42 | 21.03 | 22.18 | 4.74 | ppb |
| Antimony | 121-1 | 0.08 | 0.08 | 0.09 | 0.08 | 2.60 | ppb |
| Arsenic | 75-2 | 1.65 | 1.39 | 1.32 | 1.46 | 11.72 | ppb |
| Barium | 135-1 | 233.50 | 238.78 | 236.42 | 236.23 | 1.12 | ppb |
| Barium | 137-1 | 238.85 | 239.72 | 237.91 | 238.83 | 0.38 | ppb |
| Beryllium | 9-1 | 0.03 | 0.03 | 0.03 | 0.03 | 2.55 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 103 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.01 | -0.01 | -0.04 | -0.02 | | ppb |
| Cadmium | 106-1 | 0.26 | -0.15 | -0.29 | -0.06 | | ppb |
| Cadmium | 111-1 | 0.02 | -0.01 | -0.03 | 0.00 | | ppb |
| Calcium | 43-1 | 39776.69 | 40431.10 | 40047.44 | 40085.08 | 0.82 | ppb |
| Calcium | 44-1 | 36783.67 | 37308.92 | 37926.53 | 37339.71 | 1.53 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.73 | 0.59 | 0.62 | 0.65 | 11.52 | ppb |
| Cobalt | 59-2 | 1.14 | 1.22 | 1.22 | 1.19 | 3.93 | ppb |
| Copper | 63-2 | 1.36 | 1.27 | 1.32 | 1.32 | 3.63 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 4373.34 | 4418.88 | 4357.54 | 4383.25 | 0.73 | ppb |
| Iron | 57-2 | 4788.71 | 4798.60 | 4729.14 | 4772.15 | 0.79 | ppb |
| Iron | 54-2 | 4706.96 | 4605.44 | 4614.39 | 4642.26 | 1.21 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3429-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:47:26 | DataFile Name : | 033SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.45 | 0.47 | 0.46 | 0.46 | 2.53 | ppb |
| Lead | 207-1 | 0.43 | 0.49 | 0.43 | 0.45 | 7.56 | ppb |
| Lead | 208-1 | 0.44 | 0.45 | 0.45 | 0.45 | 0.88 | ppb |
| Lithium | 6-1 | | | | 115 | | % |
| Magnesium | 24-2 | 12608.35 | 12972.01 | 12681.56 | 12753.97 | 1.51 | ppb |
| Manganese | 55-2 | 8544.99 | 8323.28 | 8346.28 | 8404.85 | 1.45 | ppb |
| Molybdenum | 94-1 | 0.49 | 0.59 | 0.53 | 0.53 | 9.48 | ppb |
| Molybdenum | 95-1 | 0.57 | 0.70 | 0.59 | 0.62 | 11.03 | ppb |
| Molybdenum | 96-1 | 0.46 | 0.53 | 0.47 | 0.49 | 8.42 | ppb |
| Molybdenum | 97-1 | 0.41 | 0.41 | 0.36 | 0.39 | 6.71 | ppb |
| Molybdenum | 98-1 | 0.42 | 0.44 | 0.44 | 0.43 | 3.22 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 1.21 | 1.25 | 1.35 | 1.27 | 5.61 | ppb |
| Phosphorus | 31-2 | 38.85 | 41.23 | 32.10 | 37.40 | 12.66 | ppb |
| Potassium | 39-2 | 6124.00 | 6028.66 | 5999.91 | 6050.86 | 1.07 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 104 | | % |
| Scandium | 45-2 | | | | 97 | | % |
| Selenium | 82-1 | 0.15 | -0.10 | 1.25 | 0.44 | 164.93 | ppb |
| Selenium | 77-2 | -0.13 | -0.13 | -0.13 | -0.13 | | ppb |
| Selenium | 78-2 | 0.13 | -0.12 | 1.24 | 0.42 | 172.36 | ppb |
| Silicon | 28-1 | 245.19 | 249.50 | 251.09 | 248.59 | 1.23 | ppb |
| Silver | 107-1 | 0.05 | 0.06 | 0.06 | 0.06 | 1.67 | ppb |
| Silver | 109-1 | 0.05 | 0.06 | 0.07 | 0.06 | 12.83 | ppb |
| Sodium | 23-2 | 195105.61 | 195879.22 | 191398.89 | 194127.91 | 1.23 | ppb |
| Strontium | 86-1 | 272.44 | 284.66 | 277.10 | 278.07 | 2.22 | ppb |
| Strontium | 88-1 | 278.08 | 289.80 | 281.88 | 283.25 | 2.11 | ppb |
| Sulfur | 34-1 | 907.24 | 1033.07 | 996.07 | 978.79 | 6.61 | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 0.00 | 0.00 | 0.00 | 0.00 | 32.73 | ppb |
| Thallium | 205-1 | 0.01 | 0.01 | 0.00 | 0.01 | 22.81 | ppb |
| Tin | 118-1 | 1.10 | 1.10 | 1.06 | 1.09 | 2.04 | ppb |
| Titanium | 47-1 | 0.51 | 0.53 | 0.52 | 0.52 | 1.90 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3429-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:47:26 | DataFile Name : | 033SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.02 | 0.01 | 0.02 | 0.02 | 18.28 | ppb |
| Vanadium | 51-2 | 0.32 | 0.35 | 0.32 | 0.33 | 5.01 | ppb |
| Yttrium | 89-1 | | | | 101 | | % |
| Yttrium | 89-2 | | | | 98 | | % |
| Zinc | 66-2 | 31.56 | 31.85 | 30.74 | 31.39 | 1.83 | ppb |
| Zirconium | 90-1 | 0.08 | 0.09 | 0.11 | 0.09 | 16.21 | ppb |
| Zirconium | 91-1 | 0.08 | 0.08 | 0.08 | 0.08 | 4.06 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3429-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 931-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:50:39 | DataFile Name : | 034SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 198.71 | 195.75 | 198.58 | 197.68 | 0.85 | ppb |
| Antimony | 121-1 | 0.20 | 0.23 | 0.22 | 0.22 | 5.18 | ppb |
| Arsenic | 75-2 | 7.81 | 7.56 | 7.57 | 7.65 | 1.88 | ppb |
| Barium | 135-1 | 108.61 | 108.67 | 105.90 | 107.73 | 1.47 | ppb |
| Barium | 137-1 | 109.59 | 110.57 | 107.91 | 109.36 | 1.23 | ppb |
| Beryllium | 9-1 | 0.07 | 0.09 | 0.08 | 0.08 | 13.51 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.04 | 0.07 | 0.04 | 0.05 | 34.37 | ppb |
| Cadmium | 106-1 | 0.53 | 0.27 | -1.16 | -0.12 | | ppb |
| Cadmium | 111-1 | 0.07 | 0.08 | -0.04 | 0.04 | 175.43 | ppb |
| Calcium | 43-1 | 10830.02 | 10648.32 | 10604.78 | 10694.37 | 1.12 | ppb |
| Calcium | 44-1 | 10282.84 | 10080.89 | 10003.22 | 10122.32 | 1.43 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 3.44 | 3.68 | 3.50 | 3.54 | 3.49 | ppb |
| Cobalt | 59-2 | 6.27 | 6.20 | 6.25 | 6.24 | 0.60 | ppb |
| Copper | 63-2 | 3.01 | 3.06 | 2.94 | 3.00 | 2.02 | 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 | | | | 108 | | % |
| Holmium | 165-2 | | | | 108 | | % |
| Indium | 115-1 | | | | 105 | | % |
| Indium | 115-2 | | | | 101 | | % |
| Iron | 56-2 | 10523.01 | 10878.52 | 10636.52 | 10679.35 | 1.70 | ppb |
| Iron | 57-2 | 11177.20 | 11129.80 | 10965.03 | 11090.68 | 1.00 | ppb |
| Iron | 54-2 | 11186.29 | 11370.41 | 11094.90 | 11217.20 | 1.25 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3429-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 931-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:50:39 | DataFile Name : | 034SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1.97 | 2.12 | 1.99 | 2.03 | 4.08 | ppb |
| Lead | 207-1 | 1.85 | 1.94 | 1.92 | 1.90 | 2.50 | ppb |
| Lead | 208-1 | 1.91 | 2.03 | 1.92 | 1.95 | 3.36 | ppb |
| Lithium | 6-1 | | | | 120 | | % |
| Magnesium | 24-2 | 3512.05 | 3533.04 | 3500.45 | 3515.18 | 0.47 | ppb |
| Manganese | 55-2 | 1414.37 | 1472.52 | 1437.97 | 1441.62 | 2.03 | ppb |
| Molybdenum | 94-1 | 1.42 | 1.32 | 1.40 | 1.38 | 3.62 | ppb |
| Molybdenum | 95-1 | 0.64 | 0.60 | 0.63 | 0.62 | 3.78 | ppb |
| Molybdenum | 96-1 | 0.73 | 0.83 | 0.77 | 0.78 | 5.96 | ppb |
| Molybdenum | 97-1 | 0.63 | 0.60 | 0.58 | 0.60 | 4.59 | ppb |
| Molybdenum | 98-1 | 0.61 | 0.59 | 0.57 | 0.59 | 3.87 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 10.50 | 10.80 | 10.53 | 10.61 | 1.56 | ppb |
| Phosphorus | 31-2 | 241.14 | 196.90 | 213.28 | 217.11 | 10.30 | ppb |
| Potassium | 39-2 | 2806.35 | 2829.85 | 2818.28 | 2818.16 | 0.42 | ppb |
| Rhodium | 103-1 | | | | 104 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 108 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 0.40 | 0.63 | 0.76 | 0.60 | 30.86 | ppb |
| Selenium | 77-2 | 1.35 | 0.61 | 0.25 | 0.74 | 76.71 | ppb |
| Selenium | 78-2 | 0.09 | -0.51 | -0.54 | -0.32 | | ppb |
| Silicon | 28-1 | 244.83 | 243.93 | 249.82 | 246.19 | 1.29 | ppb |
| Silver | 107-1 | 0.02 | 0.03 | 0.04 | 0.03 | 23.67 | ppb |
| Silver | 109-1 | 0.02 | 0.03 | 0.02 | 0.02 | 9.01 | ppb |
| Sodium | 23-2 | 51769.89 | 52582.41 | 51897.75 | 52083.35 | 0.84 | ppb |
| Strontium | 86-1 | 68.01 | 66.59 | 66.89 | 67.16 | 1.12 | ppb |
| Strontium | 88-1 | 67.09 | 65.72 | 66.17 | 66.33 | 1.06 | ppb |
| Sulfur | 34-1 | 1320.80 | 1256.38 | 1167.00 | 1248.06 | 6.19 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 0.01 | 0.02 | 0.01 | 0.01 | 49.29 | ppb |
| Thallium | 205-1 | 0.01 | 0.01 | 0.01 | 0.01 | 11.88 | ppb |
| Tin | 118-1 | 0.64 | 0.73 | 0.66 | 0.68 | 6.74 | ppb |
| Titanium | 47-1 | 3.01 | 3.09 | 2.87 | 2.99 | 3.64 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3429-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 931-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:50:39 | DataFile Name : | 034SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.08 | 0.08 | 0.08 | 0.08 | 3.30 | ppb |
| Vanadium | 51-2 | 2.19 | 2.20 | 2.21 | 2.20 | 0.50 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 32.21 | 31.45 | 31.46 | 31.71 | 1.38 | ppb |
| Zirconium | 90-1 | 0.47 | 0.44 | 0.46 | 0.46 | 3.48 | ppb |
| Zirconium | 91-1 | 0.49 | 0.46 | 0.42 | 0.46 | 7.78 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3429-03 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:53:52 | DataFile Name : | 035SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 151.73 | 150.66 | 150.73 | 151.04 | 0.40 | ppb |
| Antimony | 121-1 | 0.10 | 0.10 | 0.10 | 0.10 | 0.89 | ppb |
| Arsenic | 75-2 | 4.98 | 4.50 | 4.52 | 4.67 | 5.82 | ppb |
| Barium | 135-1 | 272.93 | 266.22 | 264.94 | 268.03 | 1.60 | ppb |
| Barium | 137-1 | 277.72 | 273.13 | 268.96 | 273.27 | 1.60 | ppb |
| Beryllium | 9-1 | 0.04 | 0.04 | 0.02 | 0.03 | 44.77 | ppb |
| Bismuth | 209-1 | | | | 103 | | % |
| Bismuth | 209-2 | | | | 102 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.10 | -0.04 | 0.18 | 0.08 | 143.22 | ppb |
| Cadmium | 106-1 | 0.83 | 0.31 | -1.28 | -0.05 | | ppb |
| Cadmium | 111-1 | 0.09 | 0.05 | -0.08 | 0.02 | 437.79 | ppb |
| Calcium | 43-1 | 38138.04 | 37778.54 | 38045.28 | 37987.29 | 0.49 | ppb |
| Calcium | 44-1 | 35547.25 | 35586.79 | 35284.00 | 35472.68 | 0.46 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.76 | 0.72 | 0.76 | 0.75 | 3.13 | ppb |
| Cobalt | 59-2 | 1.65 | 1.55 | 1.51 | 1.57 | 4.66 | ppb |
| Copper | 63-2 | 2.28 | 2.27 | 2.25 | 2.27 | 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 | | | | 106 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 23524.08 | 23346.70 | 23599.45 | 23490.08 | 0.55 | ppb |
| Iron | 57-2 | 24692.85 | 24715.89 | 24785.31 | 24731.35 | 0.19 | ppb |
| Iron | 54-2 | 23959.00 | 23201.41 | 23511.40 | 23557.27 | 1.62 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3429-03 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:53:52 | DataFile Name : | 035SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2.04 | 2.23 | 2.17 | 2.15 | 4.62 | ppb |
| Lead | 207-1 | 2.01 | 2.00 | 2.01 | 2.01 | 0.42 | ppb |
| Lead | 208-1 | 2.01 | 2.09 | 2.05 | 2.05 | 2.15 | ppb |
| Lithium | 6-1 | | | | 116 | | % |
| Magnesium | 24-2 | 11651.17 | 11515.44 | 11614.70 | 11593.77 | 0.61 | ppb |
| Manganese | 55-2 | 8045.06 | 8077.49 | 7958.33 | 8026.96 | 0.77 | ppb |
| Molybdenum | 94-1 | 0.86 | 0.85 | 0.94 | 0.88 | 5.64 | ppb |
| Molybdenum | 95-1 | 0.85 | 0.79 | 0.91 | 0.85 | 7.10 | ppb |
| Molybdenum | 96-1 | 1.06 | 0.88 | 0.96 | 0.96 | 9.21 | ppb |
| Molybdenum | 97-1 | 0.93 | 0.66 | 0.69 | 0.76 | 19.58 | ppb |
| Molybdenum | 98-1 | 0.92 | 0.71 | 0.76 | 0.80 | 13.94 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 3.50 | 3.53 | 3.44 | 3.49 | 1.31 | ppb |
| Phosphorus | 31-2 | 160.10 | 155.39 | 139.22 | 151.57 | 7.22 | ppb |
| Potassium | 39-2 | 5601.36 | 5572.17 | 5549.38 | 5574.30 | 0.47 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 106 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 0.81 | 0.00 | 0.92 | 0.58 | 87.12 | ppb |
| Selenium | 77-2 | 0.61 | -0.13 | 0.25 | 0.25 | 149.53 | ppb |
| Selenium | 78-2 | -0.60 | -1.29 | 0.08 | -0.60 | | ppb |
| Silicon | 28-1 | 280.81 | 282.37 | 282.26 | 281.81 | 0.31 | ppb |
| Silver | 107-1 | 1.50 | 1.53 | 1.50 | 1.51 | 1.04 | ppb |
| Silver | 109-1 | 1.49 | 1.46 | 1.46 | 1.47 | 1.28 | ppb |
| Sodium | 23-2 | 168848.59 | 167214.10 | 167498.94 | 167853.88 | 0.52 | ppb |
| Strontium | 86-1 | 280.65 | 282.67 | 283.79 | 282.37 | 0.56 | ppb |
| Strontium | 88-1 | 285.99 | 279.97 | 286.17 | 284.04 | 1.24 | ppb |
| Sulfur | 34-1 | 797.95 | 825.84 | 786.57 | 803.45 | 2.51 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.01 | 0.00 | 0.00 | 0.01 | 66.97 | ppb |
| Thallium | 205-1 | 0.01 | 0.01 | 0.01 | 0.01 | 12.23 | ppb |
| Tin | 118-1 | 1.92 | 2.09 | 1.92 | 1.97 | 4.96 | ppb |
| Titanium | 47-1 | 3.77 | 3.48 | 3.70 | 3.65 | 4.07 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3429-03 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:53:52 | DataFile Name : | 035SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.04 | 0.04 | 0.04 | 0.04 | 9.22 | ppb |
| Vanadium | 51-2 | 8.14 | 7.92 | 7.97 | 8.01 | 1.43 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | 43.23 | 41.75 | 42.97 | 42.65 | 1.86 | ppb |
| Zirconium | 90-1 | 0.15 | 0.14 | 0.16 | 0.15 | 7.89 | ppb |
| Zirconium | 91-1 | 0.17 | 0.13 | 0.14 | 0.15 | 11.88 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3451-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 921-J-WS-080124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:57:04 | DataFile Name : | 036SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 151.02 | 151.57 | 150.65 | 151.08 | 0.30 | ppb |
| Antimony | 121-1 | 0.24 | 0.23 | 0.22 | 0.23 | 4.44 | ppb |
| Arsenic | 75-2 | 2.16 | 2.13 | 2.05 | 2.11 | 2.57 | ppb |
| Barium | 135-1 | 48.31 | 48.23 | 48.30 | 48.28 | 0.09 | ppb |
| Barium | 137-1 | 48.76 | 48.45 | 48.88 | 48.70 | 0.46 | ppb |
| Beryllium | 9-1 | 0.01 | 0.01 | 0.01 | 0.01 | 37.97 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.07 | -0.01 | 0.05 | -0.01 | | ppb |
| Cadmium | 106-1 | -1.12 | 0.11 | -0.03 | -0.35 | | ppb |
| Cadmium | 111-1 | -0.07 | 0.02 | 0.00 | -0.02 | | ppb |
| Calcium | 43-1 | 15677.40 | 15737.66 | 15681.52 | 15698.86 | 0.21 | ppb |
| Calcium | 44-1 | 14491.11 | 14876.34 | 14620.30 | 14662.58 | 1.34 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.21 | 0.21 | 0.28 | 0.23 | 17.79 | ppb |
| Cobalt | 59-2 | 0.45 | 0.47 | 0.47 | 0.46 | 2.62 | ppb |
| Copper | 63-2 | 2.71 | 2.76 | 2.69 | 2.72 | 1.45 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 103 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 3086.82 | 3092.11 | 3062.43 | 3080.46 | 0.51 | ppb |
| Iron | 57-2 | 3263.04 | 3277.87 | 3267.77 | 3269.56 | 0.23 | ppb |
| Iron | 54-2 | 3274.27 | 3241.50 | 3233.80 | 3249.86 | 0.66 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3451-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 921-J-WS-080124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:57:04 | DataFile Name : | 036SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2.59 | 2.61 | 2.58 | 2.59 | 0.64 | ppb |
| Lead | 207-1 | 2.56 | 2.49 | 2.51 | 2.52 | 1.38 | ppb |
| Lead | 208-1 | 2.51 | 2.53 | 2.51 | 2.52 | 0.58 | ppb |
| Lithium | 6-1 | | | | 115 | | % |
| Magnesium | 24-2 | 2493.18 | 2518.71 | 2481.76 | 2497.88 | 0.76 | ppb |
| Manganese | 55-2 | 353.61 | 353.90 | 349.23 | 352.25 | 0.74 | ppb |
| Molybdenum | 94-1 | 0.54 | 0.53 | 0.66 | 0.58 | 12.20 | ppb |
| Molybdenum | 95-1 | 0.40 | 0.48 | 0.45 | 0.44 | 8.92 | ppb |
| Molybdenum | 96-1 | 0.48 | 0.46 | 0.49 | 0.48 | 3.82 | ppb |
| Molybdenum | 97-1 | 0.47 | 0.42 | 0.45 | 0.44 | 5.70 | ppb |
| Molybdenum | 98-1 | 0.43 | 0.44 | 0.48 | 0.45 | 6.10 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.65 | 0.65 | 0.70 | 0.67 | 3.86 | ppb |
| Phosphorus | 31-2 | 86.37 | 91.56 | 76.39 | 84.77 | 9.09 | ppb |
| Potassium | 39-2 | 2534.93 | 2551.75 | 2538.86 | 2541.85 | 0.35 | ppb |
| Rhodium | 103-1 | | | | 99 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 104 | | % |
| Scandium | 45-2 | | | | 97 | | % |
| Selenium | 82-1 | -0.35 | -0.18 | 0.72 | 0.06 | 930.38 | ppb |
| Selenium | 77-2 | 0.25 | -0.13 | -0.13 | 0.00 | | ppb |
| Selenium | 78-2 | -0.35 | -1.10 | -2.17 | -1.21 | | ppb |
| Silicon | 28-1 | 108.59 | 109.19 | 109.78 | 109.18 | 0.54 | ppb |
| Silver | 107-1 | 0.03 | 0.04 | 0.03 | 0.03 | 11.29 | ppb |
| Silver | 109-1 | 0.03 | 0.03 | 0.03 | 0.03 | 3.93 | ppb |
| Sodium | 23-2 | 51505.75 | 51423.67 | 50926.25 | 51285.22 | 0.61 | ppb |
| Strontium | 86-1 | 103.56 | 107.45 | 104.32 | 105.11 | 1.96 | ppb |
| Strontium | 88-1 | 105.98 | 108.35 | 106.13 | 106.82 | 1.24 | ppb |
| Sulfur | 34-1 | 2764.12 | 2840.41 | 2715.44 | 2773.33 | 2.27 | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 0.00 | 0.00 | 0.00 | 0.00 | 49.95 | ppb |
| Thallium | 205-1 | 0.01 | 0.00 | 0.00 | 0.00 | 52.66 | ppb |
| Tin | 118-1 | 0.30 | 0.30 | 0.33 | 0.31 | 6.82 | ppb |
| Titanium | 47-1 | 2.82 | 2.86 | 2.87 | 2.85 | 0.93 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3451-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 921-J-WS-080124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:57:04 | DataFile Name : | 036SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.03 | 0.04 | 0.04 | 0.04 | 13.14 | ppb |
| Vanadium | 51-2 | 1.66 | 1.61 | 1.56 | 1.61 | 3.06 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | 7.89 | 8.01 | 7.56 | 7.82 | 2.99 | ppb |
| Zirconium | 90-1 | 0.09 | 0.09 | 0.10 | 0.09 | 4.94 | ppb |
| Zirconium | 91-1 | 0.11 | 0.10 | 0.08 | 0.10 | 16.20 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3467-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 919-J-WS-080224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:00:16 | DataFile Name : | 037SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1158.14 | 1147.18 | 1138.01 | 1147.78 | 0.88 | ppb |
| Antimony | 121-1 | 0.45 | 0.53 | 0.44 | 0.47 | 10.53 | ppb |
| Arsenic | 75-2 | 5.60 | 5.57 | 5.49 | 5.56 | 1.02 | ppb |
| Barium | 135-1 | 69.58 | 82.75 | 71.33 | 74.55 | 9.59 | ppb |
| Barium | 137-1 | 70.70 | 84.71 | 72.68 | 76.03 | 9.97 | ppb |
| Beryllium | 9-1 | 0.12 | 0.12 | 0.10 | 0.11 | 11.61 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.42 | 0.48 | 0.29 | 0.40 | 24.95 | ppb |
| Cadmium | 106-1 | -1.04 | 0.22 | -1.73 | -0.85 | | ppb |
| Cadmium | 111-1 | 0.17 | 0.32 | 0.16 | 0.22 | 41.97 | ppb |
| Calcium | 43-1 | 15980.29 | 18698.21 | 16066.97 | 16915.16 | 9.13 | ppb |
| Calcium | 44-1 | 14926.28 | 17422.68 | 14959.52 | 15769.50 | 9.08 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 3.52 | 3.58 | 3.44 | 3.52 | 1.99 | ppb |
| Cobalt | 59-2 | 2.12 | 2.26 | 2.09 | 2.15 | 4.15 | ppb |
| Copper | 63-2 | 22.75 | 23.03 | 22.22 | 22.66 | 1.82 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 104 | | % |
| Holmium | 165-2 | | | | 108 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 10561.77 | 10340.46 | 10404.35 | 10435.53 | 1.09 | ppb |
| Iron | 57-2 | 10900.62 | 10956.47 | 10765.34 | 10874.14 | 0.90 | ppb |
| Iron | 54-2 | 10951.37 | 11055.73 | 10869.79 | 10958.96 | 0.85 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3467-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 919-J-WS-080224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:00:16 | DataFile Name : | 037SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 16.38 | 19.23 | 16.29 | 17.30 | 9.68 | ppb |
| Lead | 207-1 | 15.50 | 17.99 | 15.43 | 16.31 | 8.92 | ppb |
| Lead | 208-1 | 15.83 | 18.61 | 15.76 | 16.73 | 9.72 | ppb |
| Lithium | 6-1 | | | | 114 | | % |
| Magnesium | 24-2 | 2791.63 | 2770.71 | 2758.86 | 2773.73 | 0.60 | ppb |
| Manganese | 55-2 | 530.79 | 526.64 | 520.85 | 526.09 | 0.95 | ppb |
| Molybdenum | 94-1 | 1.26 | 1.42 | 1.22 | 1.30 | 8.09 | ppb |
| Molybdenum | 95-1 | 0.48 | 0.61 | 0.48 | 0.53 | 14.32 | ppb |
| Molybdenum | 96-1 | 0.67 | 0.75 | 0.63 | 0.68 | 9.30 | ppb |
| Molybdenum | 97-1 | 0.49 | 0.59 | 0.50 | 0.53 | 10.83 | ppb |
| Molybdenum | 98-1 | 0.50 | 0.58 | 0.55 | 0.54 | 7.74 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 3.27 | 3.40 | 3.11 | 3.26 | 4.44 | ppb |
| Phosphorus | 31-2 | 311.58 | 303.15 | 312.43 | 309.05 | 1.66 | ppb |
| Potassium | 39-2 | 2537.24 | 2552.60 | 2498.73 | 2529.52 | 1.10 | ppb |
| Rhodium | 103-1 | | | | 99 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 104 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 0.37 | 0.02 | 0.27 | 0.22 | 82.34 | ppb |
| Selenium | 77-2 | 0.60 | 1.68 | 0.61 | 0.96 | 64.44 | ppb |
| Selenium | 78-2 | -0.66 | -1.27 | -0.21 | -0.71 | | ppb |
| Silicon | 28-1 | 166.14 | 196.62 | 170.39 | 177.72 | 9.29 | ppb |
| Silver | 107-1 | 0.21 | 0.24 | 0.22 | 0.23 | 6.57 | ppb |
| Silver | 109-1 | 0.21 | 0.27 | 0.23 | 0.23 | 11.59 | ppb |
| Sodium | 23-2 | 48264.54 | 48636.11 | 46995.79 | 47965.48 | 1.79 | ppb |
| Strontium | 86-1 | 104.73 | 124.92 | 106.15 | 111.93 | 10.07 | ppb |
| Strontium | 88-1 | 106.43 | 125.82 | 107.90 | 113.39 | 9.52 | ppb |
| Sulfur | 34-1 | 2298.20 | 3926.90 | 2368.20 | 2864.43 | 32.15 | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 0.03 | 0.04 | 0.04 | 0.03 | 12.81 | ppb |
| Thallium | 205-1 | 0.04 | 0.04 | 0.03 | 0.04 | 15.02 | ppb |
| Tin | 118-1 | 0.45 | 0.57 | 0.50 | 0.51 | 12.28 | ppb |
| Titanium | 47-1 | 25.93 | 30.91 | 26.59 | 27.81 | 9.73 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3467-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 919-J-WS-080224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:00:16 | DataFile Name : | 037SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.13 | 0.15 | 0.13 | 0.13 | 9.42 | ppb |
| Vanadium | 51-2 | 4.95 | 4.89 | 4.71 | 4.85 | 2.53 | ppb |
| Yttrium | 89-1 | | | | 101 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | 139.91 | 142.59 | 140.87 | 141.12 | 0.96 | ppb |
| Zirconium | 90-1 | 0.41 | 0.52 | 0.45 | 0.46 | 11.86 | ppb |
| Zirconium | 91-1 | 0.45 | 0.53 | 0.40 | 0.46 | 13.91 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV02 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV02 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:03:30 | DataFile Name : | 038CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 50807.93 | 50618.84 | 49604.93 | 50343.90 | 1.28 | ppb |
| Antimony | 121-1 | 495.08 | 499.16 | 506.29 | 500.18 | 1.13 | ppb |
| Arsenic | 75-2 | 478.83 | 486.86 | 474.63 | 480.11 | 1.29 | ppb |
| Barium | 135-1 | 2423.75 | 2356.33 | 2464.75 | 2414.94 | 2.27 | ppb |
| Barium | 137-1 | 2413.85 | 2365.23 | 2414.55 | 2397.88 | 1.18 | ppb |
| Beryllium | 9-1 | 520.39 | 519.95 | 519.52 | 519.95 | 0.08 | ppb |
| Bismuth | 209-1 | | | | 102 | | % |
| Bismuth | 209-2 | | | | 100 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 468.36 | 476.48 | 480.54 | 475.12 | 1.30 | ppb |
| Cadmium | 106-1 | 468.75 | 479.23 | 475.10 | 474.36 | 1.11 | ppb |
| Cadmium | 111-1 | 456.24 | 464.49 | 463.10 | 461.27 | 0.96 | ppb |
| Calcium | 43-1 | 253156.73 | 255856.14 | 256547.56 | 255186.81 | 0.70 | ppb |
| Calcium | 44-1 | 251043.09 | 254417.79 | 257030.50 | 254163.79 | 1.18 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 483.49 | 490.45 | 483.22 | 485.72 | 0.84 | ppb |
| Cobalt | 59-2 | 471.33 | 477.72 | 464.30 | 471.12 | 1.42 | ppb |
| Copper | 63-2 | 4737.08 | 4752.82 | 4727.81 | 4739.24 | 0.27 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 106 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 126600.76 | 129897.98 | 127568.41 | 128022.38 | 1.32 | ppb |
| Iron | 57-2 | 128168.73 | 126603.03 | 122942.07 | 125904.61 | 2.13 | ppb |
| Iron | 54-2 | 127142.83 | 130493.11 | 127299.19 | 128311.71 | 1.47 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV02 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV02 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:03:30 | DataFile Name : | 038CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2424.64 | 2415.06 | 2486.02 | 2441.91 | 1.58 | ppb |
| Lead | 207-1 | 2421.63 | 2405.71 | 2371.22 | 2399.52 | 1.07 | ppb |
| Lead | 208-1 | 2454.28 | 2412.74 | 2443.04 | 2436.69 | 0.88 | ppb |
| Lithium | 6-1 | | | | 113 | | % |
| Magnesium | 24-2 | 256892.84 | 251851.87 | 250635.06 | 253126.59 | 1.31 | ppb |
| Manganese | 55-2 | 4731.18 | 4873.05 | 4772.20 | 4792.14 | 1.52 | ppb |
| Molybdenum | 94-1 | 5275.86 | 5242.25 | 5370.83 | 5296.31 | 1.26 | ppb |
| Molybdenum | 95-1 | 5296.64 | 5314.71 | 5433.25 | 5348.20 | 1.39 | ppb |
| Molybdenum | 96-1 | 5258.19 | 5452.45 | 5397.08 | 5369.24 | 1.86 | ppb |
| Molybdenum | 97-1 | 5353.93 | 5460.99 | 5486.08 | 5433.67 | 1.29 | ppb |
| Molybdenum | 98-1 | 5255.50 | 5387.90 | 5457.91 | 5367.10 | 1.92 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 472.71 | 468.55 | 462.01 | 467.76 | 1.15 | ppb |
| Phosphorus | 31-2 | 9701.85 | 9761.21 | 9783.25 | 9748.77 | 0.43 | ppb |
| Potassium | 39-2 | 127544.54 | 126156.13 | 125813.53 | 126504.73 | 0.72 | ppb |
| Rhodium | 103-1 | | | | 94 | | % |
| Rhodium | 103-2 | | | | 94 | | % |
| Scandium | 45-1 | | | | 104 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | 463.90 | 463.13 | 479.35 | 468.79 | 1.95 | ppb |
| Selenium | 77-2 | 464.06 | 457.30 | 465.59 | 462.32 | 0.95 | ppb |
| Selenium | 78-2 | 470.58 | 469.41 | 463.31 | 467.77 | 0.83 | ppb |
| Silicon | 28-1 | 494.81 | 515.37 | 517.52 | 509.23 | 2.46 | ppb |
| Silver | 107-1 | 463.16 | 467.60 | 476.37 | 469.04 | 1.43 | ppb |
| Silver | 109-1 | 471.42 | 462.75 | 458.63 | 464.27 | 1.41 | ppb |
| Sodium | 23-2 | 259951.56 | 258588.86 | 256162.43 | 258234.28 | 0.74 | ppb |
| Strontium | 86-1 | 11919.25 | 12203.68 | 12112.69 | 12078.54 | 1.20 | ppb |
| Strontium | 88-1 | 11911.17 | 12132.07 | 12452.55 | 12165.26 | 2.24 | ppb |
| Sulfur | 34-1 | 9865.91 | 10120.29 | 10175.08 | 10053.76 | 1.64 | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 491.65 | 489.98 | 497.97 | 493.20 | 0.85 | ppb |
| Thallium | 205-1 | 492.71 | 486.36 | 502.36 | 493.81 | 1.63 | ppb |
| Tin | 118-1 | 486.27 | 496.29 | 489.89 | 490.81 | 1.03 | ppb |
| Titanium | 47-1 | 5361.93 | 5451.21 | 5384.92 | 5399.35 | 0.86 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV02 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV02 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:03:30 | DataFile Name : | 038CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 502.97 | 492.41 | 490.08 | 495.15 | 1.39 | ppb |
| Vanadium | 51-2 | 498.16 | 497.21 | 492.87 | 496.08 | 0.57 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 99 | | % |
| Zinc | 66-2 | 4754.84 | 4744.12 | 4597.08 | 4698.68 | 1.88 | ppb |
| Zirconium | 90-1 | 481.96 | 486.58 | 498.24 | 488.92 | 1.72 | ppb |
| Zirconium | 91-1 | 478.60 | 484.27 | 500.74 | 487.87 | 2.36 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB02 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB02 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:09:51 | DataFile Name : | 039CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | -0.71 | -0.23 | 0.07 | -0.29 | | ppb |
| Antimony | 121-1 | 0.13 | 0.13 | 0.16 | 0.14 | 10.93 | ppb |
| Arsenic | 75-2 | -0.02 | -0.01 | 0.03 | 0.00 | 843.81 | ppb |
| Barium | 135-1 | 0.03 | 0.02 | 0.02 | 0.02 | 44.70 | ppb |
| Barium | 137-1 | 0.02 | 0.00 | 0.04 | 0.02 | 111.97 | ppb |
| Beryllium | 9-1 | 0.04 | 0.03 | 0.05 | 0.04 | 14.73 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.02 | -0.04 | -0.01 | -0.01 | | ppb |
| Cadmium | 106-1 | -2.88 | -1.55 | -2.89 | -2.44 | | ppb |
| Cadmium | 111-1 | -0.20 | -0.12 | -0.21 | -0.18 | | ppb |
| Calcium | 43-1 | 2.43 | 0.53 | 3.80 | 2.25 | 72.70 | ppb |
| Calcium | 44-1 | -4.13 | -3.93 | -5.27 | -4.44 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.22 | -0.26 | -0.24 | -0.24 | | ppb |
| Cobalt | 59-2 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Copper | 63-2 | 0.05 | 0.07 | 0.09 | 0.07 | 32.03 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 101 | | % |
| Iron | 56-2 | 1.14 | 1.05 | 1.09 | 1.09 | 4.23 | ppb |
| Iron | 57-2 | 1.11 | 0.59 | 2.42 | 1.37 | 68.73 | ppb |
| Iron | 54-2 | -0.08 | 0.39 | 0.92 | 0.41 | 121.92 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB02 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB02 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:09:51 | DataFile Name : | 039CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.04 | 0.01 | 0.01 | 0.02 | 97.10 | ppb |
| Lead | 207-1 | 0.03 | 0.02 | 0.04 | 0.03 | 39.96 | ppb |
| Lead | 208-1 | 0.03 | 0.01 | 0.02 | 0.02 | 64.90 | ppb |
| Lithium | 6-1 | | | | 108 | | % |
| Magnesium | 24-2 | 5.33 | 5.74 | 5.99 | 5.69 | 5.94 | ppb |
| Manganese | 55-2 | 0.02 | 0.04 | 0.03 | 0.03 | 30.80 | ppb |
| Molybdenum | 94-1 | 0.15 | 0.15 | 0.16 | 0.15 | 2.66 | ppb |
| Molybdenum | 95-1 | 0.09 | 0.11 | 0.11 | 0.10 | 13.60 | ppb |
| Molybdenum | 96-1 | 0.12 | 0.12 | 0.14 | 0.13 | 8.53 | ppb |
| Molybdenum | 97-1 | 0.11 | 0.08 | 0.12 | 0.10 | 17.68 | ppb |
| Molybdenum | 98-1 | 0.10 | 0.10 | 0.13 | 0.11 | 16.27 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.18 | -0.23 | -0.12 | -0.17 | | ppb |
| Phosphorus | 31-2 | -19.54 | -16.97 | -14.00 | -16.84 | | ppb |
| Potassium | 39-2 | -2.12 | -2.13 | -1.29 | -1.85 | | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 104 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | -0.36 | 0.39 | 0.56 | 0.20 | 248.72 | ppb |
| Selenium | 77-2 | -0.13 | -0.13 | 0.25 | 0.00 | | ppb |
| Selenium | 78-2 | -1.24 | -0.19 | -0.43 | -0.62 | | ppb |
| Silicon | 28-1 | -0.27 | -0.28 | -0.23 | -0.26 | | ppb |
| Silver | 107-1 | 0.02 | 0.02 | 0.02 | 0.02 | 11.78 | ppb |
| Silver | 109-1 | 0.02 | 0.01 | 0.02 | 0.02 | 36.95 | ppb |
| Sodium | 23-2 | 33.74 | 33.46 | 35.95 | 34.38 | 3.97 | ppb |
| Strontium | 86-1 | 0.24 | 0.19 | 0.21 | 0.21 | 10.44 | ppb |
| Strontium | 88-1 | 0.20 | 0.20 | 0.19 | 0.20 | 3.72 | ppb |
| Sulfur | 34-1 | 6.14 | -8.86 | -47.49 | -16.74 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 0.02 | 0.01 | 0.01 | 0.01 | 45.24 | ppb |
| Thallium | 205-1 | 0.01 | 0.01 | 0.01 | 0.01 | 11.40 | ppb |
| Tin | 118-1 | 0.01 | 0.01 | 0.02 | 0.01 | 64.40 | ppb |
| Titanium | 47-1 | 0.03 | 0.13 | 0.09 | 0.08 | 62.89 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB02 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB02 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:09:51 | DataFile Name : | 039CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.01 | 0.00 | 0.00 | 0.01 | 28.20 | ppb |
| Vanadium | 51-2 | 0.01 | 0.00 | 0.00 | 0.00 | 175.30 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | -0.68 | -0.61 | -0.64 | -0.64 | | ppb |
| Zirconium | 90-1 | 0.02 | 0.02 | 0.03 | 0.02 | 10.92 | ppb |
| Zirconium | 91-1 | 0.01 | 0.02 | 0.02 | 0.02 | 27.17 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:13:06 | DataFile Name : | 040SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 63.76 | 62.94 | 60.65 | 62.45 | 2.59 | ppb |
| Antimony | 121-1 | 0.08 | 0.11 | 0.11 | 0.10 | 18.00 | ppb |
| Arsenic | 75-2 | 0.76 | 0.75 | 0.87 | 0.79 | 8.58 | ppb |
| Barium | 135-1 | 61.71 | 63.24 | 63.17 | 62.71 | 1.38 | ppb |
| Barium | 137-1 | 64.14 | 65.22 | 63.89 | 64.42 | 1.10 | ppb |
| Beryllium | 9-1 | 0.06 | 0.02 | 0.02 | 0.03 | 61.46 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.07 | 0.04 | 0.13 | 0.03 | 298.77 | ppb |
| Cadmium | 106-1 | -0.98 | -1.30 | -0.73 | -1.00 | | ppb |
| Cadmium | 111-1 | -0.05 | -0.09 | -0.06 | -0.06 | | ppb |
| Calcium | 43-1 | 24310.36 | 23650.65 | 23512.07 | 23824.36 | 1.79 | ppb |
| Calcium | 44-1 | 22764.29 | 21930.70 | 22084.11 | 22259.70 | 1.99 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.19 | 0.15 | 0.19 | 0.18 | 12.07 | ppb |
| Cobalt | 59-2 | 0.61 | 0.61 | 0.63 | 0.62 | 1.53 | ppb |
| Copper | 63-2 | 0.80 | 0.86 | 0.83 | 0.83 | 3.66 | 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 | | | | 106 | | % |
| Holmium | 165-2 | | | | 108 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 2987.52 | 2953.56 | 2975.72 | 2972.27 | 0.58 | ppb |
| Iron | 57-2 | 3230.97 | 3194.89 | 3224.01 | 3216.62 | 0.60 | ppb |
| Iron | 54-2 | 3136.22 | 3144.53 | 3162.41 | 3147.72 | 0.43 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:13:06 | DataFile Name : | 040SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.54 | 0.55 | 0.55 | 0.55 | 1.14 | ppb |
| Lead | 207-1 | 0.47 | 0.49 | 0.50 | 0.49 | 3.09 | ppb |
| Lead | 208-1 | 0.54 | 0.51 | 0.52 | 0.52 | 3.10 | ppb |
| Lithium | 6-1 | | | | 112 | | % |
| Magnesium | 24-2 | 4278.96 | 4219.25 | 4283.46 | 4260.56 | 0.84 | ppb |
| Manganese | 55-2 | 869.45 | 847.32 | 861.70 | 859.49 | 1.31 | ppb |
| Molybdenum | 94-1 | 0.21 | 0.27 | 0.20 | 0.23 | 17.10 | ppb |
| Molybdenum | 95-1 | 0.14 | 0.10 | 0.12 | 0.12 | 13.94 | ppb |
| Molybdenum | 96-1 | 0.16 | 0.17 | 0.13 | 0.15 | 13.16 | ppb |
| Molybdenum | 97-1 | 0.11 | 0.12 | 0.10 | 0.11 | 6.86 | ppb |
| Molybdenum | 98-1 | 0.11 | 0.10 | 0.12 | 0.11 | 7.84 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.68 | 0.69 | 0.59 | 0.65 | 8.44 | ppb |
| Phosphorus | 31-2 | 144.61 | 156.06 | 131.43 | 144.04 | 8.56 | ppb |
| Potassium | 39-2 | 3916.04 | 3958.61 | 3947.65 | 3940.77 | 0.56 | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 106 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 0.70 | 0.29 | 0.61 | 0.53 | 39.98 | ppb |
| Selenium | 77-2 | 1.34 | -0.13 | -0.13 | 0.36 | 233.52 | ppb |
| Selenium | 78-2 | -0.08 | -0.68 | 0.20 | -0.19 | | ppb |
| Silicon | 28-1 | 194.89 | 188.71 | 186.55 | 190.05 | 2.28 | ppb |
| Silver | 107-1 | 0.02 | 0.02 | 0.03 | 0.02 | 7.35 | ppb |
| Silver | 109-1 | 0.02 | 0.03 | 0.02 | 0.02 | 8.34 | ppb |
| Sodium | 23-2 | 95972.10 | 97065.75 | 97536.71 | 96858.19 | 0.83 | ppb |
| Strontium | 86-1 | 153.11 | 154.03 | 153.31 | 153.48 | 0.32 | ppb |
| Strontium | 88-1 | 158.93 | 158.56 | 155.84 | 157.78 | 1.07 | ppb |
| Sulfur | 34-1 | 1820.35 | 1565.89 | 1377.16 | 1587.80 | 14.01 | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.01 | 0.01 | 0.01 | 0.01 | 9.61 | ppb |
| Thallium | 205-1 | 0.01 | 0.01 | 0.02 | 0.02 | 32.09 | ppb |
| Tin | 118-1 | 0.29 | 0.30 | 0.37 | 0.32 | 12.90 | ppb |
| Titanium | 47-1 | 1.54 | 1.54 | 1.42 | 1.50 | 4.42 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:13:06 | DataFile Name : | 040SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.02 | 0.02 | 0.02 | 0.02 | 4.76 | ppb |
| Vanadium | 51-2 | 0.52 | 0.55 | 0.52 | 0.53 | 3.00 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 3.55 | 4.13 | 4.08 | 3.92 | 8.21 | ppb |
| Zirconium | 90-1 | 0.06 | 0.07 | 0.05 | 0.06 | 15.78 | ppb |
| Zirconium | 91-1 | 0.04 | 0.07 | 0.06 | 0.05 | 31.11 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01DUP | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124DUP | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:16:20 | DataFile Name : | 041SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 64.33 | 66.21 | 64.78 | 65.11 | 1.51 | ppb |
| Antimony | 121-1 | 0.08 | 0.06 | 0.09 | 0.08 | 16.80 | ppb |
| Arsenic | 75-2 | 0.97 | 0.81 | 0.78 | 0.85 | 11.97 | ppb |
| Barium | 135-1 | 63.12 | 63.65 | 64.76 | 63.84 | 1.31 | ppb |
| Barium | 137-1 | 64.94 | 63.99 | 65.46 | 64.80 | 1.15 | ppb |
| Beryllium | 9-1 | 0.01 | 0.00 | 0.03 | 0.01 | 129.94 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.10 | -0.04 | 0.07 | -0.02 | | ppb |
| Cadmium | 106-1 | -0.94 | -1.68 | -1.22 | -1.28 | | ppb |
| Cadmium | 111-1 | -0.07 | -0.10 | -0.09 | -0.09 | | ppb |
| Calcium | 43-1 | 23504.91 | 23815.09 | 24121.89 | 23813.96 | 1.30 | ppb |
| Calcium | 44-1 | 22446.03 | 22815.85 | 22527.87 | 22596.58 | 0.86 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.20 | 0.12 | 0.22 | 0.18 | 29.63 | ppb |
| Cobalt | 59-2 | 0.59 | 0.64 | 0.59 | 0.61 | 5.11 | ppb |
| Copper | 63-2 | 0.74 | 0.78 | 0.82 | 0.78 | 5.13 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 105 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 3025.36 | 3037.20 | 3008.29 | 3023.62 | 0.48 | ppb |
| Iron | 57-2 | 3297.16 | 3316.08 | 3271.23 | 3294.82 | 0.68 | ppb |
| Iron | 54-2 | 3193.15 | 3218.28 | 3228.81 | 3213.41 | 0.57 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01DUP | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124DUP | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:16:20 | DataFile Name : | 041SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.44 | 0.46 | 0.51 | 0.47 | 7.85 | ppb |
| Lead | 207-1 | 0.46 | 0.44 | 0.47 | 0.46 | 3.44 | ppb |
| Lead | 208-1 | 0.45 | 0.45 | 0.48 | 0.46 | 4.05 | ppb |
| Lithium | 6-1 | | | | 113 | | % |
| Magnesium | 24-2 | 4282.11 | 4348.57 | 4320.76 | 4317.14 | 0.77 | ppb |
| Manganese | 55-2 | 887.46 | 888.46 | 871.80 | 882.57 | 1.06 | ppb |
| Molybdenum | 94-1 | 0.19 | 0.20 | 0.23 | 0.21 | 11.29 | ppb |
| Molybdenum | 95-1 | 0.10 | 0.12 | 0.09 | 0.10 | 13.65 | ppb |
| Molybdenum | 96-1 | 0.11 | 0.15 | 0.12 | 0.13 | 15.66 | ppb |
| Molybdenum | 97-1 | 0.07 | 0.10 | 0.06 | 0.08 | 24.95 | ppb |
| Molybdenum | 98-1 | 0.09 | 0.10 | 0.10 | 0.10 | 6.06 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.49 | 0.47 | 0.70 | 0.55 | 23.38 | ppb |
| Phosphorus | 31-2 | 150.04 | 141.75 | 156.37 | 149.39 | 4.91 | ppb |
| Potassium | 39-2 | 4000.72 | 4005.65 | 4010.38 | 4005.58 | 0.12 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 107 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 0.64 | 0.70 | 0.22 | 0.52 | 50.35 | ppb |
| Selenium | 77-2 | -0.13 | -0.13 | 0.24 | 0.00 | | ppb |
| Selenium | 78-2 | 0.10 | -1.20 | 0.48 | -0.21 | | ppb |
| Silicon | 28-1 | 189.30 | 191.20 | 187.40 | 189.30 | 1.00 | ppb |
| Silver | 107-1 | 0.02 | 0.02 | 0.03 | 0.02 | 25.54 | ppb |
| Silver | 109-1 | 0.03 | 0.02 | 0.02 | 0.02 | 23.05 | ppb |
| Sodium | 23-2 | 99368.77 | 99293.17 | 100163.99 | 99608.64 | 0.48 | ppb |
| Strontium | 86-1 | 151.64 | 156.94 | 153.24 | 153.94 | 1.77 | ppb |
| Strontium | 88-1 | 154.50 | 158.16 | 152.51 | 155.06 | 1.85 | ppb |
| Sulfur | 34-1 | 1518.49 | 1606.15 | 1513.54 | 1546.06 | 3.37 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 0.00 | 0.01 | 0.01 | 0.01 | 25.18 | ppb |
| Thallium | 205-1 | 0.00 | 0.00 | 0.01 | 0.00 | 43.50 | ppb |
| Tin | 118-1 | 0.17 | 0.17 | 0.21 | 0.18 | 10.75 | ppb |
| Titanium | 47-1 | 1.96 | 1.70 | 1.62 | 1.76 | 10.06 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01DUP | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124DUP | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:16:20 | DataFile Name : | 041SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.02 | 0.01 | 0.02 | 0.02 | 14.60 | ppb |
| Vanadium | 51-2 | 0.53 | 0.56 | 0.52 | 0.54 | 4.21 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 3.40 | 3.47 | 3.23 | 3.37 | 3.78 | ppb |
| Zirconium | 90-1 | 0.05 | 0.05 | 0.05 | 0.05 | 4.70 | ppb |
| Zirconium | 91-1 | 0.06 | 0.05 | 0.06 | 0.05 | 13.36 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124L | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 18:19:31 | DataFile Name : | 042SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 34.84 | 33.35 | 33.47 | 33.89 | 2.44 | ppb |
| Antimony | 121-1 | 0.02 | 0.02 | 0.03 | 0.03 | 20.37 | ppb |
| Arsenic | 75-2 | 0.14 | 0.25 | 0.15 | 0.18 | 31.45 | ppb |
| Barium | 135-1 | 12.56 | 12.06 | 12.42 | 12.34 | 2.09 | ppb |
| Barium | 137-1 | 12.30 | 12.07 | 12.31 | 12.23 | 1.12 | ppb |
| Beryllium | 9-1 | 0.02 | 0.02 | 0.01 | 0.01 | 43.17 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.01 | -0.04 | 0.01 | -0.01 | | ppb |
| Cadmium | 106-1 | 0.77 | -1.89 | -0.76 | -0.62 | | ppb |
| Cadmium | 111-1 | 0.05 | -0.14 | -0.07 | -0.05 | | ppb |
| Calcium | 43-1 | 4545.13 | 4594.17 | 4455.22 | 4531.51 | 1.56 | ppb |
| Calcium | 44-1 | 4334.47 | 4337.61 | 4237.01 | 4303.03 | 1.33 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.19 | -0.17 | -0.16 | -0.17 | | ppb |
| Cobalt | 59-2 | 0.10 | 0.11 | 0.11 | 0.10 | 5.20 | ppb |
| Copper | 63-2 | 0.13 | 0.19 | 0.16 | 0.16 | 16.56 | 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 | | | | 105 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 105 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 602.09 | 610.87 | 612.73 | 608.56 | 0.93 | ppb |
| Iron | 57-2 | 642.88 | 616.81 | 632.85 | 630.85 | 2.08 | ppb |
| Iron | 54-2 | 607.19 | 619.92 | 615.41 | 614.17 | 1.05 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124L | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 18:19:31 | DataFile Name : | 042SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.06 | 0.07 | 0.06 | 0.06 | 9.17 | ppb |
| Lead | 207-1 | 0.05 | 0.07 | 0.06 | 0.06 | 12.64 | ppb |
| Lead | 208-1 | 0.06 | 0.07 | 0.06 | 0.06 | 5.58 | ppb |
| Lithium | 6-1 | | | | 114 | | % |
| Magnesium | 24-2 | 816.11 | 828.21 | 816.95 | 820.42 | 0.82 | ppb |
| Manganese | 55-2 | 170.69 | 171.55 | 171.97 | 171.41 | 0.38 | ppb |
| Molybdenum | 94-1 | 0.01 | 0.02 | 0.04 | 0.02 | 65.21 | ppb |
| Molybdenum | 95-1 | 0.01 | 0.01 | 0.00 | 0.01 | 125.73 | ppb |
| Molybdenum | 96-1 | 0.01 | 0.01 | 0.01 | 0.01 | 39.68 | ppb |
| Molybdenum | 97-1 | -0.01 | -0.02 | -0.02 | -0.01 | | ppb |
| Molybdenum | 98-1 | 0.01 | 0.00 | 0.01 | 0.01 | 44.31 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.02 | -0.02 | 0.03 | -0.01 | | ppb |
| Phosphorus | 31-2 | 13.20 | 15.25 | 16.35 | 14.94 | 10.71 | ppb |
| Potassium | 39-2 | 752.77 | 760.13 | 754.71 | 755.87 | 0.50 | ppb |
| Rhodium | 103-1 | | | | 105 | | % |
| Rhodium | 103-2 | | | | 104 | | % |
| Scandium | 45-1 | | | | 106 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | -0.21 | 0.24 | 0.32 | 0.12 | 246.64 | ppb |
| Selenium | 77-2 | -0.13 | 0.24 | -0.13 | 0.00 | | ppb |
| Selenium | 78-2 | 0.41 | -0.68 | -2.14 | -0.80 | | ppb |
| Silicon | 28-1 | 37.09 | 37.89 | 35.76 | 36.91 | 2.91 | ppb |
| Silver | 107-1 | 0.00 | 0.01 | 0.01 | 0.01 | 34.72 | ppb |
| Silver | 109-1 | 0.00 | 0.00 | 0.00 | 0.00 | 17.56 | ppb |
| Sodium | 23-2 | 18549.78 | 18748.79 | 18421.81 | 18573.46 | 0.89 | ppb |
| Strontium | 86-1 | 29.45 | 29.33 | 29.27 | 29.35 | 0.31 | ppb |
| Strontium | 88-1 | 29.49 | 29.25 | 29.21 | 29.32 | 0.51 | ppb |
| Sulfur | 34-1 | 187.10 | 258.89 | 78.95 | 174.98 | 51.76 | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | -0.01 | 0.00 | 0.00 | 0.00 | | ppb |
| Thallium | 205-1 | 0.00 | 0.00 | 0.00 | 0.00 | 126.32 | ppb |
| Tin | 118-1 | 0.04 | 0.06 | 0.03 | 0.04 | 34.96 | ppb |
| Titanium | 47-1 | 0.35 | 0.39 | 0.30 | 0.35 | 12.87 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124L | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 18:19:31 | DataFile Name : | 042SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | 6.40 | ppb |
| Vanadium | 51-2 | 0.09 | 0.12 | 0.09 | 0.10 | 15.96 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 1.71 | 1.58 | 1.55 | 1.62 | 5.26 | ppb |
| Zirconium | 90-1 | 0.01 | 0.02 | 0.01 | 0.01 | 24.39 | ppb |
| Zirconium | 91-1 | 0.10 | 0.01 | 0.00 | 0.04 | 146.69 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-04 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-WS-080124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:22:47 | DataFile Name : | 043SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 52.39 | 53.72 | 56.58 | 54.23 | 3.95 | ppb |
| Antimony | 121-1 | 0.06 | 0.07 | 0.07 | 0.07 | 5.94 | ppb |
| Arsenic | 75-2 | 0.36 | 0.43 | 0.40 | 0.39 | 8.52 | ppb |
| Barium | 135-1 | 82.98 | 84.07 | 84.61 | 83.88 | 0.99 | ppb |
| Barium | 137-1 | 83.94 | 85.44 | 85.37 | 84.92 | 0.99 | ppb |
| Beryllium | 9-1 | 0.01 | 0.04 | 0.02 | 0.02 | 68.77 | ppb |
| Bismuth | 209-1 | | | | 102 | | % |
| Bismuth | 209-2 | | | | 101 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.04 | -0.02 | -0.04 | -0.01 | | ppb |
| Cadmium | 106-1 | 0.20 | -1.53 | -1.50 | -0.94 | | ppb |
| Cadmium | 111-1 | 0.00 | -0.11 | -0.11 | -0.07 | | ppb |
| Calcium | 43-1 | 40565.80 | 41591.64 | 40591.28 | 40916.24 | 1.43 | ppb |
| Calcium | 44-1 | 37819.11 | 38739.71 | 38828.75 | 38462.53 | 1.45 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.50 | 0.50 | 0.50 | 0.50 | 0.36 | ppb |
| Cobalt | 59-2 | 5.16 | 5.21 | 5.33 | 5.23 | 1.61 | ppb |
| Copper | 63-2 | 0.34 | 0.33 | 0.37 | 0.35 | 5.19 | 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 | | | | 105 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 4732.83 | 4709.04 | 4767.56 | 4736.48 | 0.62 | ppb |
| Iron | 57-2 | 5094.91 | 5120.66 | 5118.66 | 5111.41 | 0.28 | ppb |
| Iron | 54-2 | 4990.64 | 5001.49 | 4997.74 | 4996.62 | 0.11 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-04 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-WS-080124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:22:47 | DataFile Name : | 043SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.15 | 0.16 | 0.15 | 0.15 | 5.65 | ppb |
| Lead | 207-1 | 0.14 | 0.15 | 0.17 | 0.15 | 9.24 | ppb |
| Lead | 208-1 | 0.14 | 0.14 | 0.15 | 0.14 | 5.78 | ppb |
| Lithium | 6-1 | | | | 110 | | % |
| Magnesium | 24-2 | 8648.66 | 8595.87 | 8696.32 | 8646.95 | 0.58 | ppb |
| Manganese | 55-2 | 1106.55 | 1089.82 | 1104.52 | 1100.30 | 0.83 | ppb |
| Molybdenum | 94-1 | 0.12 | 0.10 | 0.14 | 0.12 | 14.96 | ppb |
| Molybdenum | 95-1 | 0.04 | 0.05 | 0.04 | 0.04 | 14.62 | ppb |
| Molybdenum | 96-1 | 0.05 | 0.06 | 0.06 | 0.06 | 12.98 | ppb |
| Molybdenum | 97-1 | 0.00 | 0.02 | 0.01 | 0.01 | 61.90 | ppb |
| Molybdenum | 98-1 | 0.03 | 0.02 | 0.03 | 0.02 | 24.32 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.84 | 1.01 | 0.96 | 0.94 | 9.31 | ppb |
| Phosphorus | 31-2 | 234.99 | 230.93 | 242.50 | 236.14 | 2.49 | ppb |
| Potassium | 39-2 | 6755.31 | 6753.83 | 6584.62 | 6697.92 | 1.46 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 99 | | % |
| Scandium | 45-1 | | | | 106 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 0.76 | 1.01 | 1.14 | 0.97 | 19.52 | ppb |
| Selenium | 77-2 | 0.60 | 0.24 | 0.25 | 0.37 | 55.89 | ppb |
| Selenium | 78-2 | -1.45 | 0.09 | 0.60 | -0.26 | | ppb |
| Silicon | 28-1 | 162.19 | 165.10 | 160.44 | 162.58 | 1.45 | ppb |
| Silver | 107-1 | 0.02 | 0.02 | 0.02 | 0.02 | 12.26 | ppb |
| Silver | 109-1 | 0.01 | 0.02 | 0.02 | 0.02 | 29.70 | ppb |
| Sodium | 23-2 | 229362.50 | 226966.73 | 226358.81 | 227562.68 | 0.70 | ppb |
| Strontium | 86-1 | 269.58 | 271.59 | 267.35 | 269.50 | 0.79 | ppb |
| Strontium | 88-1 | 271.22 | 279.01 | 269.75 | 273.33 | 1.82 | ppb |
| Sulfur | 34-1 | 10001.99 | 10375.86 | 9873.64 | 10083.83 | 2.59 | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.01 | 0.00 | 0.01 | 0.01 | 54.87 | ppb |
| Thallium | 205-1 | 0.01 | 0.01 | 0.01 | 0.01 | 15.55 | ppb |
| Tin | 118-1 | 0.20 | 0.20 | 0.19 | 0.20 | 3.32 | ppb |
| Titanium | 47-1 | 0.93 | 0.76 | 0.85 | 0.85 | 9.72 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-04 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-WS-080124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:22:47 | DataFile Name : | 043SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.01 | 0.01 | 0.01 | 0.01 | 9.40 | ppb |
| Vanadium | 51-2 | 0.33 | 0.28 | 0.35 | 0.32 | 10.99 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 20.59 | 21.15 | 20.75 | 20.83 | 1.38 | ppb |
| Zirconium | 90-1 | 0.05 | 0.05 | 0.05 | 0.05 | 6.38 | ppb |
| Zirconium | 91-1 | 0.05 | 0.05 | 0.04 | 0.05 | 10.67 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:25:57 | DataFile Name : | 044SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 9776.41 | 9631.30 | 9774.95 | 9727.55 | 0.86 | ppb |
| Antimony | 121-1 | 513.08 | 511.90 | 530.83 | 518.61 | 2.05 | ppb |
| Arsenic | 75-2 | 545.42 | 539.06 | 532.50 | 538.99 | 1.20 | ppb |
| Barium | 135-1 | 2387.01 | 2435.97 | 2475.86 | 2432.95 | 1.83 | ppb |
| Barium | 137-1 | 2461.53 | 2479.77 | 2470.63 | 2470.65 | 0.37 | ppb |
| Beryllium | 9-1 | 562.53 | 556.10 | 577.44 | 565.35 | 1.94 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 538.92 | 536.61 | 545.83 | 540.45 | 0.89 | ppb |
| Cadmium | 106-1 | 539.10 | 542.23 | 551.30 | 544.21 | 1.16 | ppb |
| Cadmium | 111-1 | 532.42 | 533.04 | 544.95 | 536.80 | 1.32 | ppb |
| Calcium | 43-1 | 72168.29 | 73505.07 | 70421.63 | 72031.66 | 2.15 | ppb |
| Calcium | 44-1 | 70734.40 | 72233.70 | 70657.25 | 71208.45 | 1.25 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 518.94 | 506.84 | 516.00 | 513.93 | 1.23 | ppb |
| Cobalt | 59-2 | 535.10 | 525.92 | 531.00 | 530.67 | 0.87 | ppb |
| Copper | 63-2 | 5009.73 | 4881.94 | 4948.81 | 4946.83 | 1.29 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 109 | | % |
| Holmium | 165-2 | | | | 110 | | % |
| Indium | 115-1 | | | | 105 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 29272.34 | 28827.42 | 28685.62 | 28928.46 | 1.06 | ppb |
| Iron | 57-2 | 29488.98 | 28739.93 | 28993.74 | 29074.21 | 1.31 | ppb |
| Iron | 54-2 | 28825.36 | 29183.44 | 29074.50 | 29027.77 | 0.63 | ppb |
| Krypton | 83-1 | | | | | | cps |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:25:57 | DataFile Name : | 044SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2496.95 | 2492.82 | 2494.20 | 2494.66 | 0.08 | ppb |
| Lead | 207-1 | 2484.16 | 2472.39 | 2502.80 | 2486.45 | 0.62 | ppb |
| Lead | 208-1 | 2484.21 | 2493.79 | 2491.63 | 2489.87 | 0.20 | ppb |
| Lithium | 6-1 | | | | 116 | | % |
| Magnesium | 24-2 | 54533.97 | 53604.37 | 53625.28 | 53921.21 | 0.98 | ppb |
| Manganese | 55-2 | 5730.53 | 5729.61 | 5764.67 | 5741.61 | 0.35 | ppb |
| Molybdenum | 94-1 | 4287.65 | 4474.34 | 4526.11 | 4429.37 | 2.83 | ppb |
| Molybdenum | 95-1 | 3995.51 | 4102.93 | 4169.54 | 4089.33 | 2.15 | ppb |
| Molybdenum | 96-1 | 3968.81 | 4218.72 | 4159.53 | 4115.69 | 3.17 | ppb |
| Molybdenum | 97-1 | 4074.45 | 4182.31 | 4211.82 | 4156.20 | 1.74 | ppb |
| Molybdenum | 98-1 | 4055.52 | 4142.17 | 4138.33 | 4112.01 | 1.19 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 512.25 | 502.98 | 514.44 | 509.89 | 1.19 | ppb |
| Phosphorus | 31-2 | 143.99 | 134.75 | 140.71 | 139.81 | 3.35 | ppb |
| Potassium | 39-2 | 28956.66 | 27933.13 | 28570.01 | 28486.60 | 1.81 | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 101 | | % |
| Scandium | 45-1 | | | | 109 | | % |
| Scandium | 45-2 | | | | 104 | | % |
| Selenium | 82-1 | 528.87 | 550.20 | 548.67 | 542.58 | 2.19 | ppb |
| Selenium | 77-2 | 545.24 | 514.80 | 543.11 | 534.39 | 3.18 | ppb |
| Selenium | 78-2 | 529.06 | 535.80 | 541.99 | 535.61 | 1.21 | ppb |
| Silicon | 28-1 | 217.11 | 218.43 | 214.43 | 216.66 | 0.94 | ppb |
| Silver | 107-1 | 339.52 | 313.75 | 355.00 | 336.09 | 6.20 | ppb |
| Silver | 109-1 | 381.27 | 290.88 | 290.73 | 320.96 | 16.27 | ppb |
| Sodium | 23-2 | 146569.58 | 144254.27 | 142542.81 | 144455.55 | 1.40 | ppb |
| Strontium | 86-1 | 698.69 | 721.68 | 720.88 | 713.75 | 1.83 | ppb |
| Strontium | 88-1 | 687.80 | 717.32 | 708.96 | 704.69 | 2.16 | ppb |
| Sulfur | 34-1 | 1465.79 | 1528.36 | 1510.69 | 1501.62 | 2.15 | ppb |
| Terbium | 159-1 | | | | 108 | | % |
| Terbium | 159-2 | | | | 108 | | % |
| Thallium | 203-1 | 517.81 | 532.17 | 531.23 | 527.07 | 1.52 | ppb |
| Thallium | 205-1 | 519.18 | 521.95 | 522.95 | 521.36 | 0.37 | ppb |
| Tin | 118-1 | 470.23 | 469.19 | 476.26 | 471.89 | 0.81 | ppb |
| Titanium | 47-1 | 2946.62 | 3005.37 | 2954.91 | 2968.96 | 1.07 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:25:57 | DataFile Name : | 044SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 523.88 | 528.33 | 526.76 | 526.33 | 0.43 | ppb |
| Vanadium | 51-2 | 545.34 | 533.04 | 538.57 | 538.98 | 1.14 | ppb |
| Yttrium | 89-1 | | | | 106 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 5121.55 | 5010.65 | 5027.81 | 5053.34 | 1.18 | ppb |
| Zirconium | 90-1 | 512.50 | 534.72 | 538.19 | 528.47 | 2.64 | ppb |
| Zirconium | 91-1 | 512.31 | 535.28 | 533.11 | 526.90 | 2.41 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-03 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MSD | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:28:44 | DataFile Name : | 045SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 9810.87 | 9922.23 | 9721.81 | 9818.30 | 1.02 | ppb |
| Antimony | 121-1 | 517.29 | 524.35 | 541.52 | 527.72 | 2.36 | ppb |
| Arsenic | 75-2 | 551.59 | 534.28 | 532.33 | 539.40 | 1.97 | ppb |
| Barium | 135-1 | 2427.74 | 2440.20 | 2521.52 | 2463.15 | 2.07 | ppb |
| Barium | 137-1 | 2423.10 | 2441.00 | 2475.20 | 2446.43 | 1.08 | ppb |
| Beryllium | 9-1 | 560.91 | 584.80 | 565.91 | 570.54 | 2.21 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 531.74 | 543.10 | 555.40 | 543.41 | 2.18 | ppb |
| Cadmium | 106-1 | 553.45 | 541.08 | 554.07 | 549.53 | 1.33 | ppb |
| Cadmium | 111-1 | 535.71 | 535.31 | 549.59 | 540.20 | 1.50 | ppb |
| Calcium | 43-1 | 71671.93 | 73478.92 | 71896.64 | 72349.17 | 1.36 | ppb |
| Calcium | 44-1 | 70298.53 | 73058.97 | 72875.02 | 72077.51 | 2.14 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 527.65 | 523.27 | 515.81 | 522.24 | 1.15 | ppb |
| Cobalt | 59-2 | 541.02 | 541.90 | 537.16 | 540.03 | 0.47 | ppb |
| Copper | 63-2 | 5107.26 | 5056.64 | 4916.04 | 5026.65 | 1.97 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 107 | | % |
| Holmium | 165-2 | | | | 109 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 29344.20 | 29441.89 | 28828.25 | 29204.78 | 1.13 | ppb |
| Iron | 57-2 | 30169.26 | 29940.38 | 29458.29 | 29855.98 | 1.22 | ppb |
| Iron | 54-2 | 29788.35 | 29850.81 | 29496.30 | 29711.82 | 0.64 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-03 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MSD | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:28:44 | DataFile Name : | 045SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2489.62 | 2488.88 | 2573.74 | 2517.41 | 1.94 | ppb |
| Lead | 207-1 | 2455.68 | 2489.32 | 2530.87 | 2491.95 | 1.51 | ppb |
| Lead | 208-1 | 2487.39 | 2475.36 | 2570.89 | 2511.21 | 2.07 | ppb |
| Lithium | 6-1 | | | | 115 | | % |
| Magnesium | 24-2 | 54064.68 | 55479.08 | 53682.30 | 54408.69 | 1.74 | ppb |
| Manganese | 55-2 | 5859.34 | 5760.39 | 5748.35 | 5789.36 | 1.05 | ppb |
| Molybdenum | 94-1 | 4379.39 | 4309.98 | 4364.59 | 4351.32 | 0.84 | ppb |
| Molybdenum | 95-1 | 4079.25 | 4116.27 | 4153.26 | 4116.26 | 0.90 | ppb |
| Molybdenum | 96-1 | 4174.52 | 4169.92 | 4134.92 | 4159.79 | 0.52 | ppb |
| Molybdenum | 97-1 | 4098.80 | 4084.25 | 4159.05 | 4114.03 | 0.96 | ppb |
| Molybdenum | 98-1 | 4049.85 | 4077.87 | 4191.01 | 4106.24 | 1.82 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 525.37 | 524.74 | 515.81 | 521.97 | 1.02 | ppb |
| Phosphorus | 31-2 | 142.68 | 132.88 | 161.14 | 145.57 | 9.86 | ppb |
| Potassium | 39-2 | 28985.30 | 28982.24 | 28590.12 | 28852.55 | 0.79 | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 108 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 538.77 | 534.55 | 538.79 | 537.37 | 0.45 | ppb |
| Selenium | 77-2 | 524.28 | 544.44 | 491.50 | 520.07 | 5.14 | ppb |
| Selenium | 78-2 | 520.00 | 528.27 | 531.70 | 526.66 | 1.14 | ppb |
| Silicon | 28-1 | 217.13 | 215.91 | 226.32 | 219.79 | 2.59 | ppb |
| Silver | 107-1 | 342.35 | 397.36 | 287.22 | 342.31 | 16.09 | ppb |
| Silver | 109-1 | 511.71 | 211.57 | 499.46 | 407.58 | 41.67 | ppb |
| Sodium | 23-2 | 147824.26 | 149966.35 | 146161.65 | 147984.09 | 1.29 | ppb |
| Strontium | 86-1 | 707.30 | 709.41 | 715.89 | 710.86 | 0.63 | ppb |
| Strontium | 88-1 | 704.22 | 704.56 | 719.52 | 709.43 | 1.23 | ppb |
| Sulfur | 34-1 | 1348.09 | 1312.24 | 1451.70 | 1370.68 | 5.28 | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 536.61 | 532.37 | 546.15 | 538.38 | 1.31 | ppb |
| Thallium | 205-1 | 526.37 | 521.99 | 546.66 | 531.68 | 2.48 | ppb |
| Tin | 118-1 | 465.29 | 481.49 | 492.16 | 479.65 | 2.82 | ppb |
| Titanium | 47-1 | 2959.71 | 2986.30 | 3003.31 | 2983.11 | 0.74 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-03 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MSD | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:28:44 | DataFile Name : | 045SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 525.65 | 530.86 | 542.60 | 533.03 | 1.63 | ppb |
| Vanadium | 51-2 | 547.79 | 545.91 | 545.80 | 546.50 | 0.20 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | 5160.01 | 5191.92 | 5112.70 | 5154.88 | 0.77 | ppb |
| Zirconium | 90-1 | 523.16 | 520.97 | 539.96 | 528.03 | 1.97 | ppb |
| Zirconium | 91-1 | 521.24 | 520.75 | 536.18 | 526.06 | 1.67 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01A | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124A | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:31:28 | DataFile Name : | 046SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 9633.11 | 9720.97 | 9719.12 | 9691.07 | 0.52 | ppb |
| Antimony | 121-1 | 513.62 | 528.36 | 540.72 | 527.57 | 2.57 | ppb |
| Arsenic | 75-2 | 558.81 | 542.63 | 557.45 | 552.96 | 1.62 | ppb |
| Barium | 135-1 | 2416.09 | 2513.30 | 2538.72 | 2489.37 | 2.60 | ppb |
| Barium | 137-1 | 2501.46 | 2455.69 | 2532.37 | 2496.51 | 1.55 | ppb |
| Beryllium | 9-1 | 566.28 | 587.40 | 572.99 | 575.56 | 1.88 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 537.85 | 555.39 | 557.57 | 550.27 | 1.97 | ppb |
| Cadmium | 106-1 | 545.33 | 560.34 | 563.41 | 556.36 | 1.74 | ppb |
| Cadmium | 111-1 | 537.37 | 551.86 | 549.20 | 546.14 | 1.41 | ppb |
| Calcium | 43-1 | 71586.94 | 74179.42 | 73515.43 | 73093.93 | 1.84 | ppb |
| Calcium | 44-1 | 69688.69 | 72345.70 | 70446.42 | 70826.93 | 1.93 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 524.41 | 522.00 | 526.19 | 524.20 | 0.40 | ppb |
| Cobalt | 59-2 | 539.84 | 552.59 | 538.15 | 543.53 | 1.45 | ppb |
| Copper | 63-2 | 4989.74 | 5063.02 | 5017.99 | 5023.58 | 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 | | | | 110 | | % |
| Holmium | 165-2 | | | | 110 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 28945.13 | 29205.12 | 29242.61 | 29130.95 | 0.56 | ppb |
| Iron | 57-2 | 30036.91 | 29461.90 | 29082.08 | 29526.96 | 1.63 | ppb |
| Iron | 54-2 | 30140.82 | 29473.33 | 29471.53 | 29695.23 | 1.30 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01A | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124A | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:31:28 | DataFile Name : | 046SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2478.40 | 2577.77 | 2563.30 | 2539.82 | 2.11 | ppb |
| Lead | 207-1 | 2475.55 | 2551.22 | 2527.70 | 2518.16 | 1.54 | ppb |
| Lead | 208-1 | 2498.45 | 2540.18 | 2535.80 | 2524.81 | 0.91 | ppb |
| Lithium | 6-1 | | | | 117 | | % |
| Magnesium | 24-2 | 54133.31 | 52943.74 | 54124.21 | 53733.76 | 1.27 | ppb |
| Manganese | 55-2 | 5783.82 | 5652.34 | 5758.92 | 5731.69 | 1.22 | ppb |
| Molybdenum | 94-1 | 4238.30 | 4441.76 | 4518.35 | 4399.47 | 3.29 | ppb |
| Molybdenum | 95-1 | 3938.64 | 4105.02 | 4216.75 | 4086.80 | 3.42 | ppb |
| Molybdenum | 96-1 | 4082.94 | 4186.44 | 4188.32 | 4152.57 | 1.45 | ppb |
| Molybdenum | 97-1 | 4108.78 | 4193.60 | 4247.33 | 4183.24 | 1.67 | ppb |
| Molybdenum | 98-1 | 4005.00 | 4143.02 | 4199.45 | 4115.82 | 2.43 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 526.44 | 521.63 | 521.41 | 523.16 | 0.54 | ppb |
| Phosphorus | 31-2 | 140.22 | 150.51 | 140.66 | 143.80 | 4.05 | ppb |
| Potassium | 39-2 | 28982.64 | 28743.45 | 28446.30 | 28724.13 | 0.94 | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 109 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 534.42 | 543.53 | 559.67 | 545.87 | 2.34 | ppb |
| Selenium | 77-2 | 529.52 | 530.74 | 562.62 | 540.96 | 3.47 | ppb |
| Selenium | 78-2 | 556.23 | 523.06 | 564.11 | 547.80 | 3.98 | ppb |
| Silicon | 28-1 | 216.38 | 221.99 | 219.31 | 219.23 | 1.28 | ppb |
| Silver | 107-1 | 349.43 | 368.64 | 458.96 | 392.35 | 14.91 | ppb |
| Silver | 109-1 | 367.71 | 323.04 | 495.16 | 395.30 | 22.59 | ppb |
| Sodium | 23-2 | 145199.39 | 147732.06 | 146985.52 | 146638.99 | 0.89 | ppb |
| Strontium | 86-1 | 704.88 | 710.25 | 724.30 | 713.14 | 1.41 | ppb |
| Strontium | 88-1 | 702.20 | 705.79 | 717.36 | 708.45 | 1.12 | ppb |
| Sulfur | 34-1 | 1227.76 | 1369.74 | 1274.77 | 1290.76 | 5.60 | ppb |
| Terbium | 159-1 | | | | 107 | | % |
| Terbium | 159-2 | | | | 107 | | % |
| Thallium | 203-1 | 525.99 | 542.16 | 550.88 | 539.68 | 2.34 | ppb |
| Thallium | 205-1 | 522.80 | 550.06 | 535.88 | 536.25 | 2.54 | ppb |
| Tin | 118-1 | 474.29 | 482.99 | 485.89 | 481.06 | 1.25 | ppb |
| Titanium | 47-1 | 2933.61 | 3048.31 | 3026.69 | 3002.87 | 2.03 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01A | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124A | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:31:28 | DataFile Name : | 046SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 531.78 | 553.92 | 551.50 | 545.73 | 2.22 | ppb |
| Vanadium | 51-2 | 549.72 | 553.05 | 553.00 | 551.92 | 0.35 | ppb |
| Yttrium | 89-1 | | | | 106 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 5078.39 | 5115.24 | 5042.60 | 5078.74 | 0.72 | ppb |
| Zirconium | 90-1 | 528.86 | 533.74 | 552.32 | 538.31 | 2.30 | ppb |
| Zirconium | 91-1 | 516.80 | 533.57 | 549.02 | 533.13 | 3.02 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3457-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 924-K1-WS-080224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:34:15 | DataFile Name : | 047SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 69.94 | 69.13 | 68.83 | 69.30 | 0.83 | ppb |
| Antimony | 121-1 | 0.54 | 0.61 | 0.63 | 0.59 | 7.62 | ppb |
| Arsenic | 75-2 | 0.80 | 0.88 | 0.87 | 0.85 | 5.13 | ppb |
| Barium | 135-1 | 177.65 | 178.06 | 177.83 | 177.85 | 0.12 | ppb |
| Barium | 137-1 | 180.39 | 178.89 | 180.22 | 179.83 | 0.46 | ppb |
| Beryllium | 9-1 | 0.15 | 0.15 | 0.13 | 0.14 | 9.57 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.01 | 0.15 | 0.07 | 0.08 | 88.71 | ppb |
| Cadmium | 106-1 | -0.44 | -1.42 | -1.01 | -0.96 | | ppb |
| Cadmium | 111-1 | 0.02 | -0.06 | -0.05 | -0.03 | | ppb |
| Calcium | 43-1 | 37139.37 | 37499.36 | 36261.86 | 36966.86 | 1.72 | ppb |
| Calcium | 44-1 | 35015.60 | 35602.66 | 33874.23 | 34830.83 | 2.52 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.41 | 0.48 | 0.46 | 0.45 | 8.46 | ppb |
| Cobalt | 59-2 | 2.37 | 2.36 | 2.30 | 2.34 | 1.52 | ppb |
| Copper | 63-2 | 0.78 | 0.67 | 0.72 | 0.72 | 7.78 | 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 | | | | 105 | | % |
| Holmium | 165-2 | | | | 108 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 4066.59 | 4082.03 | 4019.24 | 4055.95 | 0.81 | ppb |
| Iron | 57-2 | 4373.25 | 4395.39 | 4311.53 | 4360.06 | 1.00 | ppb |
| Iron | 54-2 | 4223.92 | 4251.10 | 4208.79 | 4227.94 | 0.51 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3457-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 924-K1-WS-080224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:34:15 | DataFile Name : | 047SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.94 | 0.95 | 0.86 | 0.92 | 5.22 | ppb |
| Lead | 207-1 | 0.96 | 0.89 | 0.81 | 0.89 | 8.42 | ppb |
| Lead | 208-1 | 0.92 | 0.92 | 0.86 | 0.90 | 4.23 | ppb |
| Lithium | 6-1 | | | | 116 | | % |
| Magnesium | 24-2 | 9108.21 | 9027.88 | 8998.75 | 9044.95 | 0.63 | ppb |
| Manganese | 55-2 | 1940.54 | 1950.29 | 1917.77 | 1936.20 | 0.86 | ppb |
| Molybdenum | 94-1 | 0.85 | 0.74 | 0.82 | 0.80 | 7.32 | ppb |
| Molybdenum | 95-1 | 0.73 | 0.65 | 0.68 | 0.69 | 6.22 | ppb |
| Molybdenum | 96-1 | 0.72 | 0.65 | 0.65 | 0.67 | 5.92 | ppb |
| Molybdenum | 97-1 | 0.66 | 0.59 | 0.59 | 0.61 | 6.28 | ppb |
| Molybdenum | 98-1 | 0.66 | 0.58 | 0.64 | 0.63 | 6.59 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 1.07 | 1.14 | 1.12 | 1.11 | 2.97 | ppb |
| Phosphorus | 31-2 | 48.04 | 28.07 | 25.58 | 33.90 | 36.32 | ppb |
| Potassium | 39-2 | 4762.17 | 4887.54 | 4771.06 | 4806.93 | 1.46 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 108 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 0.91 | -0.04 | 0.83 | 0.56 | 93.23 | ppb |
| Selenium | 77-2 | 0.23 | 0.98 | -0.13 | 0.36 | 155.60 | ppb |
| Selenium | 78-2 | -2.15 | 0.31 | -2.00 | -1.28 | | ppb |
| Silicon | 28-1 | 162.65 | 172.97 | 163.22 | 166.28 | 3.49 | ppb |
| Silver | 107-1 | 0.88 | 0.86 | 0.81 | 0.85 | 4.38 | ppb |
| Silver | 109-1 | 0.91 | 0.86 | 0.83 | 0.87 | 4.68 | ppb |
| Sodium | 23-2 | 176871.78 | 174674.96 | 173244.98 | 174930.57 | 1.04 | ppb |
| Strontium | 86-1 | 244.36 | 241.12 | 249.89 | 245.12 | 1.81 | ppb |
| Strontium | 88-1 | 246.25 | 244.27 | 252.97 | 247.83 | 1.84 | ppb |
| Sulfur | 34-1 | 174.97 | 175.42 | -64.16 | 95.41 | 144.83 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 0.07 | 0.06 | 0.04 | 0.06 | 33.66 | ppb |
| Thallium | 205-1 | 0.05 | 0.06 | 0.05 | 0.05 | 10.89 | ppb |
| Tin | 118-1 | 0.52 | 0.56 | 0.63 | 0.57 | 9.43 | ppb |
| Titanium | 47-1 | 1.58 | 1.63 | 1.38 | 1.53 | 8.76 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3457-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 924-K1-WS-080224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:34:15 | DataFile Name : | 047SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.06 | 0.06 | 0.05 | 0.05 | 8.19 | ppb |
| Vanadium | 51-2 | 0.40 | 0.39 | 0.35 | 0.38 | 7.42 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 5.51 | 5.42 | 4.74 | 5.22 | 8.01 | ppb |
| Zirconium | 90-1 | 0.16 | 0.14 | 0.17 | 0.16 | 9.81 | ppb |
| Zirconium | 91-1 | 0.16 | 0.16 | 0.18 | 0.17 | 9.02 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3457-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 932-K1-WS-080224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:37:26 | DataFile Name : | 048SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 28.18 | 28.86 | 28.81 | 28.62 | 1.33 | ppb |
| Antimony | 121-1 | 0.22 | 0.23 | 0.24 | 0.23 | 3.79 | ppb |
| Arsenic | 75-2 | 0.86 | 1.11 | 0.77 | 0.92 | 19.29 | ppb |
| Barium | 135-1 | 173.48 | 170.46 | 172.99 | 172.31 | 0.94 | ppb |
| Barium | 137-1 | 173.96 | 173.32 | 175.98 | 174.42 | 0.80 | ppb |
| Beryllium | 9-1 | 0.06 | 0.05 | 0.05 | 0.06 | 9.50 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.04 | 0.07 | -0.04 | -0.01 | | ppb |
| Cadmium | 106-1 | 0.09 | -1.50 | -0.77 | -0.73 | | ppb |
| Cadmium | 111-1 | 0.02 | -0.12 | -0.04 | -0.05 | | ppb |
| Calcium | 43-1 | 35870.31 | 35926.80 | 36571.35 | 36122.82 | 1.08 | ppb |
| Calcium | 44-1 | 33662.68 | 33050.06 | 34534.42 | 33749.05 | 2.21 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.28 | 0.25 | 0.29 | 0.28 | 6.61 | ppb |
| Cobalt | 59-2 | 2.10 | 2.12 | 2.10 | 2.11 | 0.59 | ppb |
| Copper | 63-2 | 0.77 | 0.77 | 0.86 | 0.80 | 6.53 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 105 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 4685.17 | 4653.75 | 4628.64 | 4655.85 | 0.61 | ppb |
| Iron | 57-2 | 4991.26 | 5061.29 | 4981.49 | 5011.34 | 0.87 | ppb |
| Iron | 54-2 | 4869.59 | 4922.45 | 4884.93 | 4892.32 | 0.56 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3457-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 932-K1-WS-080224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:37:26 | DataFile Name : | 048SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.42 | 0.38 | 0.39 | 0.40 | 5.00 | ppb |
| Lead | 207-1 | 0.38 | 0.38 | 0.34 | 0.37 | 6.12 | ppb |
| Lead | 208-1 | 0.40 | 0.39 | 0.37 | 0.39 | 3.31 | ppb |
| Lithium | 6-1 | | | | 116 | | % |
| Magnesium | 24-2 | 8683.00 | 8981.62 | 8724.97 | 8796.53 | 1.84 | ppb |
| Manganese | 55-2 | 1675.99 | 1696.75 | 1632.27 | 1668.34 | 1.97 | ppb |
| Molybdenum | 94-1 | 0.30 | 0.39 | 0.39 | 0.36 | 13.24 | ppb |
| Molybdenum | 95-1 | 0.25 | 0.28 | 0.29 | 0.27 | 8.48 | ppb |
| Molybdenum | 96-1 | 0.27 | 0.29 | 0.30 | 0.29 | 5.34 | ppb |
| Molybdenum | 97-1 | 0.24 | 0.25 | 0.21 | 0.23 | 7.21 | ppb |
| Molybdenum | 98-1 | 0.23 | 0.24 | 0.23 | 0.23 | 1.87 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 1.04 | 1.00 | 0.92 | 0.99 | 6.47 | ppb |
| Phosphorus | 31-2 | 43.46 | 27.18 | 25.65 | 32.10 | 30.75 | ppb |
| Potassium | 39-2 | 4538.21 | 4893.65 | 4510.86 | 4647.57 | 4.59 | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 101 | | % |
| Scandium | 45-1 | | | | 107 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 0.35 | 0.43 | 0.64 | 0.47 | 32.02 | ppb |
| Selenium | 77-2 | -0.13 | -0.13 | -0.13 | -0.13 | | ppb |
| Selenium | 78-2 | -0.70 | -0.62 | -0.36 | -0.56 | | ppb |
| Silicon | 28-1 | 156.56 | 154.57 | 160.42 | 157.19 | 1.89 | ppb |
| Silver | 107-1 | 0.50 | 0.46 | 0.46 | 0.47 | 4.61 | ppb |
| Silver | 109-1 | 0.47 | 0.44 | 0.45 | 0.45 | 2.66 | ppb |
| Sodium | 23-2 | 171793.41 | 173761.45 | 170071.66 | 171875.51 | 1.07 | ppb |
| Strontium | 86-1 | 239.95 | 241.00 | 242.75 | 241.23 | 0.59 | ppb |
| Strontium | 88-1 | 238.23 | 248.11 | 245.37 | 243.90 | 2.09 | ppb |
| Sulfur | 34-1 | 331.40 | 314.82 | 413.98 | 353.40 | 15.03 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 0.01 | 0.02 | 0.02 | 0.02 | 21.81 | ppb |
| Thallium | 205-1 | 0.02 | 0.02 | 0.02 | 0.02 | 7.71 | ppb |
| Tin | 118-1 | 0.21 | 0.23 | 0.20 | 0.21 | 7.00 | ppb |
| Titanium | 47-1 | 1.18 | 1.05 | 1.21 | 1.15 | 7.27 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3457-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 932-K1-WS-080224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:37:26 | DataFile Name : | 048SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.01 | 0.01 | 0.02 | 0.02 | 20.87 | ppb |
| Vanadium | 51-2 | 0.28 | 0.29 | 0.25 | 0.28 | 7.40 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 3.38 | 3.92 | 3.83 | 3.71 | 7.78 | ppb |
| Zirconium | 90-1 | 0.08 | 0.08 | 0.09 | 0.08 | 8.81 | ppb |
| Zirconium | 91-1 | 0.07 | 0.08 | 0.10 | 0.08 | 16.34 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3609-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 915-J-WS-081424 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:40:39 | DataFile Name : | 049SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 681.92 | 681.28 | 698.66 | 687.29 | 1.43 | ppb |
| Antimony | 121-1 | 0.38 | 0.43 | 0.41 | 0.41 | 6.32 | ppb |
| Arsenic | 75-2 | 3.60 | 3.86 | 3.55 | 3.67 | 4.53 | ppb |
| Barium | 135-1 | 59.75 | 60.90 | 59.27 | 59.97 | 1.39 | ppb |
| Barium | 137-1 | 60.31 | 61.87 | 60.12 | 60.77 | 1.59 | ppb |
| Beryllium | 9-1 | 0.10 | 0.05 | 0.07 | 0.07 | 34.02 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.07 | 0.10 | 0.01 | 0.06 | 76.09 | ppb |
| Cadmium | 106-1 | -0.42 | -0.55 | -1.40 | -0.79 | | ppb |
| Cadmium | 111-1 | 0.06 | 0.05 | -0.03 | 0.03 | 167.95 | ppb |
| Calcium | 43-1 | 20770.08 | 20562.42 | 20549.44 | 20627.31 | 0.60 | ppb |
| Calcium | 44-1 | 19134.26 | 19291.36 | 19375.32 | 19266.98 | 0.64 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 2.08 | 2.12 | 2.24 | 2.15 | 3.72 | ppb |
| Cobalt | 59-2 | 1.15 | 1.10 | 1.19 | 1.15 | 4.13 | ppb |
| Copper | 63-2 | 9.34 | 9.29 | 9.41 | 9.35 | 0.63 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 106 | | % |
| Holmium | 165-2 | | | | 109 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 5860.49 | 5793.20 | 5831.42 | 5828.37 | 0.58 | ppb |
| Iron | 57-2 | 6256.76 | 6213.27 | 6284.56 | 6251.53 | 0.57 | ppb |
| Iron | 54-2 | 6206.04 | 6239.47 | 6234.96 | 6226.83 | 0.29 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3609-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 915-J-WS-081424 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:40:39 | DataFile Name : | 049SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 5.29 | 5.20 | 5.14 | 5.21 | 1.46 | ppb |
| Lead | 207-1 | 4.80 | 5.10 | 4.95 | 4.95 | 2.98 | ppb |
| Lead | 208-1 | 5.04 | 5.12 | 5.00 | 5.05 | 1.21 | ppb |
| Lithium | 6-1 | | | | 117 | | % |
| Magnesium | 24-2 | 3369.99 | 3357.56 | 3379.09 | 3368.88 | 0.32 | ppb |
| Manganese | 55-2 | 465.40 | 463.65 | 461.85 | 463.63 | 0.38 | ppb |
| Molybdenum | 94-1 | 1.06 | 1.07 | 1.05 | 1.06 | 1.16 | ppb |
| Molybdenum | 95-1 | 0.57 | 0.55 | 0.62 | 0.58 | 6.03 | ppb |
| Molybdenum | 96-1 | 0.67 | 0.73 | 0.68 | 0.69 | 5.07 | ppb |
| Molybdenum | 97-1 | 0.63 | 0.60 | 0.57 | 0.60 | 5.38 | ppb |
| Molybdenum | 98-1 | 0.57 | 0.59 | 0.59 | 0.58 | 2.07 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 1.74 | 1.75 | 1.77 | 1.75 | 0.78 | ppb |
| Phosphorus | 31-2 | 189.20 | 181.44 | 180.96 | 183.87 | 2.52 | ppb |
| Potassium | 39-2 | 2742.47 | 2736.51 | 2754.10 | 2744.36 | 0.33 | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 108 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 0.09 | 0.94 | 0.55 | 0.52 | 81.08 | ppb |
| Selenium | 77-2 | -0.13 | 0.97 | -0.13 | 0.24 | 264.90 | ppb |
| Selenium | 78-2 | 0.12 | 0.65 | -0.78 | 0.00 | | ppb |
| Silicon | 28-1 | 200.13 | 200.61 | 212.59 | 204.45 | 3.45 | ppb |
| Silver | 107-1 | 0.13 | 0.14 | 0.13 | 0.13 | 5.05 | ppb |
| Silver | 109-1 | 0.14 | 0.14 | 0.13 | 0.14 | 1.77 | ppb |
| Sodium | 23-2 | 67137.31 | 67006.89 | 66972.52 | 67038.91 | 0.13 | ppb |
| Strontium | 86-1 | 124.61 | 127.93 | 127.57 | 126.70 | 1.44 | ppb |
| Strontium | 88-1 | 128.59 | 128.61 | 127.15 | 128.12 | 0.65 | ppb |
| Sulfur | 34-1 | 3104.15 | 2947.84 | 3036.42 | 3029.47 | 2.59 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 0.02 | 0.02 | 0.01 | 0.02 | 19.67 | ppb |
| Thallium | 205-1 | 0.02 | 0.02 | 0.02 | 0.02 | 8.50 | ppb |
| Tin | 118-1 | 0.65 | 0.67 | 0.71 | 0.68 | 4.49 | ppb |
| Titanium | 47-1 | 16.14 | 15.86 | 16.42 | 16.14 | 1.73 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3609-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 915-J-WS-081424 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:40:39 | DataFile Name : | 049SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.06 | 0.05 | 0.06 | 0.06 | 7.18 | ppb |
| Vanadium | 51-2 | 2.36 | 2.42 | 2.53 | 2.44 | 3.55 | ppb |
| Yttrium | 89-1 | | | | 106 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | 52.82 | 52.15 | 54.00 | 52.99 | 1.77 | ppb |
| Zirconium | 90-1 | 0.28 | 0.29 | 0.32 | 0.30 | 5.53 | ppb |
| Zirconium | 91-1 | 0.30 | 0.29 | 0.31 | 0.30 | 2.98 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV03 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV03 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:43:51 | DataFile Name : | 050CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 49018.79 | 49239.88 | 49990.27 | 49416.31 | 1.03 | ppb |
| Antimony | 121-1 | 484.21 | 488.59 | 486.37 | 486.39 | 0.45 | ppb |
| Arsenic | 75-2 | 500.20 | 480.82 | 490.75 | 490.59 | 1.98 | ppb |
| Barium | 135-1 | 2345.61 | 2386.75 | 2384.98 | 2372.45 | 0.98 | ppb |
| Barium | 137-1 | 2407.21 | 2355.58 | 2406.88 | 2389.89 | 1.24 | ppb |
| Beryllium | 9-1 | 478.83 | 519.04 | 505.29 | 501.05 | 4.08 | ppb |
| Bismuth | 209-1 | | | | 103 | | % |
| Bismuth | 209-2 | | | | 101 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 481.95 | 482.23 | 480.41 | 481.53 | 0.20 | ppb |
| Cadmium | 106-1 | 476.65 | 479.46 | 483.66 | 479.93 | 0.73 | ppb |
| Cadmium | 111-1 | 462.74 | 467.77 | 475.22 | 468.58 | 1.34 | ppb |
| Calcium | 43-1 | 243039.07 | 259457.51 | 252650.47 | 251715.68 | 3.28 | ppb |
| Calcium | 44-1 | 242996.63 | 253127.52 | 252851.45 | 249658.53 | 2.31 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 478.82 | 476.20 | 484.83 | 479.95 | 0.92 | ppb |
| Cobalt | 59-2 | 471.25 | 470.79 | 465.33 | 469.12 | 0.70 | ppb |
| Copper | 63-2 | 4734.46 | 4720.83 | 4767.04 | 4740.78 | 0.50 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 107 | | % |
| Holmium | 165-2 | | | | 109 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 126612.58 | 123591.25 | 125258.36 | 125154.06 | 1.21 | ppb |
| Iron | 57-2 | 124815.87 | 124982.65 | 124105.16 | 124634.56 | 0.37 | ppb |
| Iron | 54-2 | 124502.49 | 126321.73 | 125071.19 | 125298.47 | 0.74 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV03 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV03 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:43:51 | DataFile Name : | 050CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2428.32 | 2449.59 | 2433.57 | 2437.16 | 0.45 | ppb |
| Lead | 207-1 | 2394.95 | 2421.81 | 2384.13 | 2400.30 | 0.81 | ppb |
| Lead | 208-1 | 2417.12 | 2458.19 | 2432.20 | 2435.84 | 0.85 | ppb |
| Lithium | 6-1 | | | | 118 | | % |
| Magnesium | 24-2 | 243457.03 | 246891.53 | 246889.97 | 245746.18 | 0.81 | ppb |
| Manganese | 55-2 | 4671.86 | 4694.76 | 4813.67 | 4726.76 | 1.61 | ppb |
| Molybdenum | 94-1 | 5358.91 | 5343.99 | 5327.79 | 5343.57 | 0.29 | ppb |
| Molybdenum | 95-1 | 5377.53 | 5418.99 | 5273.26 | 5356.59 | 1.40 | ppb |
| Molybdenum | 96-1 | 5259.78 | 5288.27 | 5427.92 | 5325.32 | 1.69 | ppb |
| Molybdenum | 97-1 | 5392.91 | 5342.57 | 5381.91 | 5372.46 | 0.49 | ppb |
| Molybdenum | 98-1 | 5307.12 | 5388.05 | 5332.26 | 5342.48 | 0.78 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 458.24 | 457.81 | 462.35 | 459.47 | 0.55 | ppb |
| Phosphorus | 31-2 | 9484.14 | 9444.15 | 9704.23 | 9544.17 | 1.47 | ppb |
| Potassium | 39-2 | 124154.93 | 123287.28 | 125230.32 | 124224.18 | 0.78 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 107 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 487.03 | 487.90 | 482.11 | 485.68 | 0.64 | ppb |
| Selenium | 77-2 | 492.20 | 472.41 | 501.49 | 488.70 | 3.04 | ppb |
| Selenium | 78-2 | 497.61 | 476.35 | 487.79 | 487.25 | 2.18 | ppb |
| Silicon | 28-1 | 498.95 | 518.32 | 500.33 | 505.87 | 2.14 | ppb |
| Silver | 107-1 | 476.00 | 477.37 | 480.96 | 478.11 | 0.54 | ppb |
| Silver | 109-1 | 471.68 | 473.83 | 481.61 | 475.71 | 1.10 | ppb |
| Sodium | 23-2 | 251395.27 | 254632.26 | 254917.10 | 253648.21 | 0.77 | ppb |
| Strontium | 86-1 | 12168.16 | 12226.66 | 12154.09 | 12182.97 | 0.32 | ppb |
| Strontium | 88-1 | 12347.74 | 12153.65 | 12050.95 | 12184.11 | 1.24 | ppb |
| Sulfur | 34-1 | 9258.38 | 10005.49 | 9311.03 | 9524.97 | 4.38 | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 480.73 | 495.89 | 500.82 | 492.48 | 2.13 | ppb |
| Thallium | 205-1 | 486.43 | 495.33 | 498.25 | 493.34 | 1.25 | ppb |
| Tin | 118-1 | 478.72 | 491.02 | 486.12 | 485.29 | 1.28 | ppb |
| Titanium | 47-1 | 5294.34 | 5363.41 | 5384.31 | 5347.35 | 0.88 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV03 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV03 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:43:51 | DataFile Name : | 050CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 484.01 | 490.78 | 497.68 | 490.82 | 1.39 | ppb |
| Vanadium | 51-2 | 483.09 | 486.67 | 486.04 | 485.27 | 0.39 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 99 | | % |
| Zinc | 66-2 | 4756.71 | 4725.27 | 4756.65 | 4746.21 | 0.38 | ppb |
| Zirconium | 90-1 | 480.88 | 490.93 | 498.14 | 489.98 | 1.77 | ppb |
| Zirconium | 91-1 | 487.59 | 492.08 | 488.63 | 489.43 | 0.48 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB03 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB03 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:49:05 | DataFile Name : | 051CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 0.35 | -0.18 | 0.60 | 0.26 | 153.98 | ppb |
| Antimony | 121-1 | 0.14 | 0.19 | 0.27 | 0.20 | 30.89 | ppb |
| Arsenic | 75-2 | -0.01 | 0.01 | -0.01 | 0.00 | | ppb |
| Barium | 135-1 | 0.00 | -0.01 | 0.03 | 0.01 | 205.57 | ppb |
| Barium | 137-1 | 0.01 | 0.02 | 0.01 | 0.01 | 41.96 | ppb |
| Beryllium | 9-1 | 0.06 | 0.04 | 0.06 | 0.05 | 19.47 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.04 | 0.02 | -0.07 | 0.00 | | ppb |
| Cadmium | 106-1 | -1.49 | 0.01 | -2.38 | -1.28 | | ppb |
| Cadmium | 111-1 | -0.11 | -0.01 | -0.17 | -0.10 | | ppb |
| Calcium | 43-1 | -3.18 | 2.68 | -2.53 | -1.01 | | ppb |
| Calcium | 44-1 | -3.08 | -7.23 | -4.81 | -5.04 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.26 | -0.23 | -0.25 | -0.25 | | ppb |
| Cobalt | 59-2 | 0.00 | -0.01 | 0.00 | -0.01 | | ppb |
| Copper | 63-2 | 0.10 | 0.13 | 0.17 | 0.13 | 25.77 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 1.34 | 1.87 | 2.71 | 1.97 | 34.95 | ppb |
| Iron | 57-2 | 1.87 | 2.51 | 3.45 | 2.61 | 30.53 | ppb |
| Iron | 54-2 | 1.27 | 0.94 | 2.88 | 1.70 | 61.45 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB03 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB03 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:49:05 | DataFile Name : | 051CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.05 | 0.04 | 0.05 | 0.05 | 11.94 | ppb |
| Lead | 207-1 | 0.03 | 0.05 | 0.05 | 0.04 | 21.28 | ppb |
| Lead | 208-1 | 0.05 | 0.04 | 0.04 | 0.04 | 6.98 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 6.39 | 6.95 | 8.18 | 7.17 | 12.77 | ppb |
| Manganese | 55-2 | -0.01 | 0.04 | 0.07 | 0.03 | 128.08 | ppb |
| Molybdenum | 94-1 | 0.16 | 0.16 | 0.20 | 0.17 | 14.63 | ppb |
| Molybdenum | 95-1 | 0.12 | 0.09 | 0.14 | 0.12 | 21.09 | ppb |
| Molybdenum | 96-1 | 0.11 | 0.13 | 0.15 | 0.13 | 16.49 | ppb |
| Molybdenum | 97-1 | 0.12 | 0.09 | 0.16 | 0.12 | 29.16 | ppb |
| Molybdenum | 98-1 | 0.11 | 0.12 | 0.14 | 0.12 | 11.75 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.11 | -0.15 | -0.15 | -0.14 | | ppb |
| Phosphorus | 31-2 | -14.43 | -20.95 | -16.00 | -17.12 | | ppb |
| Potassium | 39-2 | -1.50 | 0.14 | 3.15 | 0.60 | 394.31 | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 104 | | % |
| Scandium | 45-1 | | | | 103 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | -0.06 | 0.05 | 0.02 | 0.00 | 1314.21 | ppb |
| Selenium | 77-2 | -0.13 | 0.24 | 0.25 | 0.12 | 176.01 | ppb |
| Selenium | 78-2 | 0.97 | -1.01 | 0.64 | 0.20 | 525.29 | ppb |
| Silicon | 28-1 | -0.29 | -0.32 | -0.05 | -0.22 | | ppb |
| Silver | 107-1 | 0.05 | 0.03 | 0.02 | 0.03 | 38.52 | ppb |
| Silver | 109-1 | 0.05 | 0.02 | 0.03 | 0.03 | 49.28 | ppb |
| Sodium | 23-2 | 52.92 | 53.98 | 55.05 | 53.98 | 1.97 | ppb |
| Strontium | 86-1 | 0.21 | 0.17 | 0.23 | 0.20 | 15.52 | ppb |
| Strontium | 88-1 | 0.17 | 0.16 | 0.19 | 0.17 | 10.85 | ppb |
| Sulfur | 34-1 | -222.48 | -267.11 | 112.68 | -125.64 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.02 | 0.01 | 0.02 | 0.01 | 40.17 | ppb |
| Thallium | 205-1 | 0.02 | 0.01 | 0.01 | 0.01 | 13.46 | ppb |
| Tin | 118-1 | 0.03 | 0.04 | 0.28 | 0.12 | 121.26 | ppb |
| Titanium | 47-1 | 0.13 | 0.15 | 0.16 | 0.15 | 9.52 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB03 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB03 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:49:05 | DataFile Name : | 051CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.01 | 0.01 | 0.01 | 0.01 | 17.84 | ppb |
| Vanadium | 51-2 | 0.01 | 0.01 | 0.02 | 0.02 | 44.34 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | -0.44 | -0.48 | -0.39 | -0.44 | | ppb |
| Zirconium | 90-1 | 0.02 | 0.03 | 0.04 | 0.03 | 27.58 | ppb |
| Zirconium | 91-1 | 0.02 | 0.03 | 0.05 | 0.03 | 50.17 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3609-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 920-J-WS-081424 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:55:43 | DataFile Name : | 052SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 114.35 | 110.36 | 111.00 | 111.90 | 1.92 | ppb |
| Antimony | 121-1 | 0.23 | 0.24 | 0.27 | 0.24 | 7.54 | ppb |
| Arsenic | 75-2 | 2.01 | 2.23 | 2.22 | 2.16 | 5.72 | ppb |
| Barium | 135-1 | 55.70 | 56.03 | 55.51 | 55.75 | 0.47 | ppb |
| Barium | 137-1 | 56.90 | 56.81 | 56.11 | 56.61 | 0.77 | ppb |
| Beryllium | 9-1 | 0.02 | 0.04 | 0.02 | 0.03 | 42.39 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.04 | -0.07 | -0.02 | -0.04 | | ppb |
| Cadmium | 106-1 | -2.52 | -2.25 | -2.31 | -2.36 | | ppb |
| Cadmium | 111-1 | -0.18 | -0.16 | -0.16 | -0.17 | | ppb |
| Calcium | 43-1 | 21155.36 | 21120.96 | 21191.42 | 21155.91 | 0.17 | ppb |
| Calcium | 44-1 | 19944.09 | 19883.46 | 19831.58 | 19886.38 | 0.28 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.27 | 0.26 | 0.29 | 0.27 | 6.49 | ppb |
| Cobalt | 59-2 | 0.61 | 0.59 | 0.60 | 0.60 | 1.37 | ppb |
| Copper | 63-2 | 3.05 | 3.06 | 2.98 | 3.03 | 1.37 | 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 | | | | 105 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 105 | | % |
| Iron | 56-2 | 3189.65 | 3168.58 | 3141.96 | 3166.73 | 0.75 | ppb |
| Iron | 57-2 | 3382.00 | 3366.19 | 3364.13 | 3370.78 | 0.29 | ppb |
| Iron | 54-2 | 3339.30 | 3326.33 | 3309.80 | 3325.14 | 0.44 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3609-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 920-J-WS-081424 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:55:43 | DataFile Name : | 052SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1.45 | 1.52 | 1.48 | 1.48 | 2.05 | ppb |
| Lead | 207-1 | 1.43 | 1.46 | 1.43 | 1.44 | 1.33 | ppb |
| Lead | 208-1 | 1.43 | 1.48 | 1.46 | 1.46 | 1.63 | ppb |
| Lithium | 6-1 | | | | 110 | | % |
| Magnesium | 24-2 | 3369.41 | 3354.41 | 3341.78 | 3355.20 | 0.41 | ppb |
| Manganese | 55-2 | 478.80 | 476.37 | 473.43 | 476.20 | 0.56 | ppb |
| Molybdenum | 94-1 | 0.56 | 0.56 | 0.59 | 0.57 | 2.66 | ppb |
| Molybdenum | 95-1 | 0.40 | 0.41 | 0.47 | 0.43 | 9.00 | ppb |
| Molybdenum | 96-1 | 0.45 | 0.47 | 0.48 | 0.47 | 3.48 | ppb |
| Molybdenum | 97-1 | 0.40 | 0.50 | 0.40 | 0.43 | 13.85 | ppb |
| Molybdenum | 98-1 | 0.43 | 0.45 | 0.43 | 0.43 | 2.53 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.63 | 0.66 | 0.69 | 0.66 | 4.55 | ppb |
| Phosphorus | 31-2 | 84.66 | 108.64 | 104.96 | 99.42 | 12.99 | ppb |
| Potassium | 39-2 | 2766.47 | 2784.58 | 2804.12 | 2785.05 | 0.68 | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 103 | | % |
| Scandium | 45-1 | | | | 107 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 0.75 | 0.31 | 0.36 | 0.47 | 51.61 | ppb |
| Selenium | 77-2 | 0.94 | -0.13 | 0.24 | 0.35 | 154.57 | ppb |
| Selenium | 78-2 | 1.13 | -0.16 | 0.10 | 0.36 | 188.89 | ppb |
| Silicon | 28-1 | 157.92 | 154.92 | 156.73 | 156.52 | 0.97 | ppb |
| Silver | 107-1 | 0.05 | 0.05 | 0.04 | 0.05 | 11.60 | ppb |
| Silver | 109-1 | 0.05 | 0.03 | 0.04 | 0.04 | 17.13 | ppb |
| Sodium | 23-2 | 68849.74 | 68226.64 | 69696.32 | 68924.23 | 1.07 | ppb |
| Strontium | 86-1 | 128.09 | 132.70 | 134.35 | 131.72 | 2.46 | ppb |
| Strontium | 88-1 | 133.00 | 135.26 | 135.62 | 134.63 | 1.06 | ppb |
| Sulfur | 34-1 | 3106.73 | 2862.88 | 2888.92 | 2952.84 | 4.53 | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.01 | 0.01 | 0.01 | 0.01 | 25.39 | ppb |
| Thallium | 205-1 | 0.02 | 0.01 | 0.01 | 0.01 | 18.29 | ppb |
| Tin | 118-1 | 0.23 | 0.23 | 0.24 | 0.23 | 1.06 | ppb |
| Titanium | 47-1 | 2.51 | 2.36 | 2.41 | 2.43 | 3.22 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3609-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 920-J-WS-081424 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:55:43 | DataFile Name : | 052SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.03 | 0.03 | 0.02 | 0.03 | 12.93 | ppb |
| Vanadium | 51-2 | 1.10 | 1.04 | 1.07 | 1.07 | 3.08 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 14.51 | 15.30 | 14.84 | 14.88 | 2.68 | ppb |
| Zirconium | 90-1 | 0.10 | 0.11 | 0.11 | 0.11 | 5.86 | ppb |
| Zirconium | 91-1 | 0.10 | 0.10 | 0.10 | 0.10 | 0.99 | ppb |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162951BL | Instrumnet Name : | P7 |
| Client Sample ID : | PB162951BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:58:57 | DataFile Name : | 053CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | -1.08 | -0.91 | -0.69 | -0.89 | | ppb |
| Antimony | 121-1 | 0.02 | 0.03 | 0.03 | 0.03 | 17.65 | ppb |
| Arsenic | 75-2 | -0.01 | -0.01 | -0.03 | -0.01 | | ppb |
| Barium | 135-1 | -0.02 | -0.02 | -0.02 | -0.02 | | ppb |
| Barium | 137-1 | -0.01 | -0.01 | -0.02 | -0.02 | | ppb |
| Beryllium | 9-1 | 0.01 | 0.03 | 0.01 | 0.02 | 53.17 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.07 | -0.07 | 0.04 | -0.03 | | ppb |
| Cadmium | 106-1 | -0.73 | -0.67 | -0.49 | -0.63 | | ppb |
| Cadmium | 111-1 | -0.07 | -0.06 | -0.05 | -0.06 | | ppb |
| Calcium | 43-1 | -0.45 | -1.65 | -3.50 | -1.87 | | ppb |
| Calcium | 44-1 | -7.29 | -7.22 | -7.78 | -7.43 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.26 | -0.25 | -0.29 | -0.27 | | ppb |
| Cobalt | 59-2 | -0.02 | -0.01 | -0.01 | -0.01 | | ppb |
| Copper | 63-2 | -0.05 | -0.03 | -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 | | | | 105 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 104 | | % |
| Iron | 56-2 | -1.74 | -1.14 | -1.94 | -1.60 | | ppb |
| Iron | 57-2 | -2.28 | 1.00 | -0.67 | -0.65 | | ppb |
| Iron | 54-2 | -1.24 | -0.73 | -1.74 | -1.24 | | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162951BL | Instrumnet Name : | P7 |
| Client Sample ID : | PB162951BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:58:57 | DataFile Name : | 053CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | -0.02 | -0.03 | -0.03 | -0.03 | | ppb |
| Lead | 207-1 | -0.04 | -0.03 | -0.02 | -0.03 | | ppb |
| Lead | 208-1 | -0.02 | -0.03 | -0.03 | -0.03 | | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 0.68 | 0.97 | 0.60 | 0.75 | 25.43 | ppb |
| Manganese | 55-2 | -0.10 | -0.01 | -0.10 | -0.07 | | ppb |
| Molybdenum | 94-1 | 0.02 | -0.01 | -0.01 | 0.00 | | ppb |
| Molybdenum | 95-1 | -0.02 | -0.01 | -0.01 | -0.02 | | ppb |
| Molybdenum | 96-1 | -0.02 | -0.01 | 0.00 | -0.01 | | ppb |
| Molybdenum | 97-1 | -0.03 | -0.01 | -0.01 | -0.02 | | ppb |
| Molybdenum | 98-1 | -0.01 | -0.01 | -0.01 | -0.01 | | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.22 | -0.20 | -0.18 | -0.20 | | ppb |
| Phosphorus | 31-2 | -20.52 | -19.03 | -13.94 | -17.83 | | ppb |
| Potassium | 39-2 | -4.58 | -0.18 | -1.75 | -2.17 | | ppb |
| Rhodium | 103-1 | | | | 105 | | % |
| Rhodium | 103-2 | | | | 104 | | % |
| Scandium | 45-1 | | | | 106 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | -0.27 | 0.28 | 0.25 | 0.08 | 364.58 | ppb |
| Selenium | 77-2 | -0.13 | -0.13 | -0.13 | -0.13 | | ppb |
| Selenium | 78-2 | -1.05 | 0.09 | -0.42 | -0.46 | | ppb |
| Silicon | 28-1 | -0.28 | -0.35 | -0.31 | -0.31 | | ppb |
| Silver | 107-1 | 0.02 | 0.01 | 0.01 | 0.01 | 60.33 | ppb |
| Silver | 109-1 | 0.01 | 0.00 | 0.00 | 0.01 | 63.84 | ppb |
| Sodium | 23-2 | 36.18 | 36.80 | 34.75 | 35.91 | 2.92 | ppb |
| Strontium | 86-1 | 0.03 | 0.04 | 0.04 | 0.04 | 13.70 | ppb |
| Strontium | 88-1 | 0.02 | 0.01 | 0.01 | 0.01 | 41.43 | ppb |
| Sulfur | 34-1 | -242.90 | -224.00 | -215.02 | -227.31 | | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.00 | 0.00 | 0.00 | 0.00 | 1648.09 | ppb |
| Thallium | 205-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Tin | 118-1 | -0.04 | 0.01 | -0.01 | -0.01 | | ppb |
| Titanium | 47-1 | 0.02 | 0.01 | -0.01 | 0.00 | 359.36 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162951BL | Instrumnet Name : | P7 |
| Client Sample ID : | PB162951BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:58:57 | DataFile Name : | 053CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | 70.64 | ppb |
| Vanadium | 51-2 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | -0.62 | -0.63 | -0.64 | -0.63 | | ppb |
| Zirconium | 90-1 | 0.00 | 0.00 | 0.00 | 0.00 | 107.93 | ppb |
| Zirconium | 91-1 | 0.00 | 0.01 | 0.01 | 0.01 | 64.54 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162951BS | Instrumnet Name : | P7 |
| Client Sample ID : | PB162951BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:02:13 | DataFile Name : | 054LCSS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 9666.78 | 10175.48 | 10172.85 | 10005.04 | 2.93 | ppb |
| Antimony | 121-1 | 509.56 | 505.16 | 513.19 | 509.30 | 0.79 | ppb |
| Arsenic | 75-2 | 497.28 | 489.60 | 509.06 | 498.65 | 1.97 | ppb |
| Barium | 135-1 | 2566.78 | 2528.15 | 2501.92 | 2532.28 | 1.29 | ppb |
| Barium | 137-1 | 2536.57 | 2505.89 | 2536.80 | 2526.42 | 0.70 | ppb |
| Beryllium | 9-1 | 525.83 | 514.45 | 534.43 | 524.90 | 1.91 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 526.81 | 511.11 | 521.28 | 519.74 | 1.53 | ppb |
| Cadmium | 106-1 | 516.99 | 519.78 | 513.03 | 516.60 | 0.66 | ppb |
| Cadmium | 111-1 | 512.64 | 511.91 | 503.41 | 509.32 | 1.01 | ppb |
| Calcium | 43-1 | 59556.14 | 60781.91 | 60616.06 | 60318.04 | 1.10 | ppb |
| Calcium | 44-1 | 53743.65 | 56013.22 | 56180.44 | 55312.44 | 2.46 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 508.58 | 510.22 | 512.06 | 510.29 | 0.34 | ppb |
| Cobalt | 59-2 | 501.15 | 495.21 | 510.68 | 502.34 | 1.55 | ppb |
| Copper | 63-2 | 5091.90 | 5127.07 | 5224.74 | 5147.90 | 1.34 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 109 | | % |
| Holmium | 165-2 | | | | 109 | | % |
| Indium | 115-1 | | | | 105 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 26857.81 | 27009.54 | 26303.07 | 26723.47 | 1.39 | ppb |
| Iron | 57-2 | 27672.91 | 27959.67 | 28117.43 | 27916.67 | 0.81 | ppb |
| Iron | 54-2 | 26783.08 | 27284.75 | 27726.19 | 27264.68 | 1.73 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162951BS | Instrumnet Name : | P7 |
| Client Sample ID : | PB162951BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:02:13 | DataFile Name : | 054LCSS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2498.70 | 2513.05 | 2520.45 | 2510.73 | 0.44 | ppb |
| Lead | 207-1 | 2461.97 | 2439.53 | 2466.25 | 2455.92 | 0.58 | ppb |
| Lead | 208-1 | 2478.42 | 2472.79 | 2507.41 | 2486.21 | 0.75 | ppb |
| Lithium | 6-1 | | | | 115 | | % |
| Magnesium | 24-2 | 49972.25 | 50855.89 | 52679.50 | 51169.21 | 2.70 | ppb |
| Manganese | 55-2 | 4947.58 | 5051.37 | 5128.02 | 5042.33 | 1.80 | ppb |
| Molybdenum | 94-1 | 5316.66 | 5517.94 | 5444.94 | 5426.51 | 1.88 | ppb |
| Molybdenum | 95-1 | 5334.60 | 5617.75 | 5345.77 | 5432.70 | 2.95 | ppb |
| Molybdenum | 96-1 | 5385.30 | 5667.24 | 5478.11 | 5510.21 | 2.61 | ppb |
| Molybdenum | 97-1 | 5410.79 | 5722.27 | 5513.30 | 5548.79 | 2.86 | ppb |
| Molybdenum | 98-1 | 5317.03 | 5738.84 | 5442.77 | 5499.55 | 3.94 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 501.58 | 498.75 | 516.41 | 505.58 | 1.88 | ppb |
| Phosphorus | 31-2 | 9943.80 | 10128.31 | 10189.80 | 10087.30 | 1.27 | ppb |
| Potassium | 39-2 | 25994.33 | 25884.22 | 26272.44 | 26050.33 | 0.77 | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 108 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 489.56 | 516.13 | 500.64 | 502.11 | 2.66 | ppb |
| Selenium | 77-2 | 506.42 | 497.27 | 499.05 | 500.91 | 0.97 | ppb |
| Selenium | 78-2 | 494.77 | 506.81 | 508.08 | 503.22 | 1.46 | ppb |
| Silicon | 28-1 | 505.67 | 515.35 | 506.92 | 509.31 | 1.03 | ppb |
| Silver | 107-1 | 521.75 | 508.03 | 514.38 | 514.72 | 1.33 | ppb |
| Silver | 109-1 | 524.60 | 521.45 | 531.22 | 525.75 | 0.95 | ppb |
| Sodium | 23-2 | 51633.78 | 52012.35 | 53802.02 | 52482.72 | 2.21 | ppb |
| Strontium | 86-1 | 12346.19 | 12878.99 | 12527.43 | 12584.20 | 2.15 | ppb |
| Strontium | 88-1 | 12273.76 | 12932.42 | 12369.29 | 12525.16 | 2.84 | ppb |
| Sulfur | 34-1 | 9921.61 | 10138.06 | 9821.74 | 9960.47 | 1.62 | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 108 | | % |
| Thallium | 203-1 | 500.65 | 505.49 | 494.93 | 500.35 | 1.06 | ppb |
| Thallium | 205-1 | 499.58 | 499.18 | 510.23 | 503.00 | 1.25 | ppb |
| Tin | 118-1 | 528.85 | 516.63 | 515.76 | 520.41 | 1.41 | ppb |
| Titanium | 47-1 | 5601.17 | 5672.25 | 5522.79 | 5598.74 | 1.34 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162951BS | Instrumnet Name : | P7 |
| Client Sample ID : | PB162951BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:02:13 | DataFile Name : | 054LCSS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 481.00 | 491.99 | 495.31 | 489.43 | 1.53 | ppb |
| Vanadium | 51-2 | 508.88 | 512.33 | 507.37 | 509.53 | 0.50 | ppb |
| Yttrium | 89-1 | | | | 108 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 5084.27 | 5017.20 | 5087.01 | 5062.83 | 0.78 | ppb |
| Zirconium | 90-1 | 484.06 | 508.15 | 497.15 | 496.45 | 2.43 | ppb |
| Zirconium | 91-1 | 482.82 | 507.75 | 492.59 | 494.39 | 2.54 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:05:09 | DataFile Name : | 055SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 51706.03 | 53086.53 | 51931.51 | 52241.36 | 1.42 | ppb |
| Antimony | 121-1 | 2.11 | 2.12 | 2.14 | 2.12 | 0.72 | ppb |
| Arsenic | 75-2 | 42.01 | 43.07 | 42.81 | 42.63 | 1.30 | ppb |
| Barium | 135-1 | 957.38 | 1030.86 | 992.28 | 993.51 | 3.70 | ppb |
| Barium | 137-1 | 985.76 | 1022.01 | 1001.72 | 1003.17 | 1.81 | ppb |
| Beryllium | 9-1 | 8.00 | 8.44 | 8.85 | 8.43 | 5.05 | ppb |
| Bismuth | 209-1 | | | | 117 | | % |
| Bismuth | 209-2 | | | | 114 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 8.63 | 9.36 | 9.58 | 9.19 | 5.43 | ppb |
| Cadmium | 106-1 | 10.01 | 10.40 | 10.39 | 10.27 | 2.19 | ppb |
| Cadmium | 111-1 | 8.77 | 8.71 | 8.93 | 8.80 | 1.29 | ppb |
| Calcium | 43-1 | 9296.16 | 9514.06 | 9460.10 | 9423.44 | 1.20 | ppb |
| Calcium | 44-1 | 8613.26 | 8835.47 | 8811.56 | 8753.43 | 1.39 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 132.54 | 131.47 | 134.09 | 132.70 | 0.99 | ppb |
| Cobalt | 59-2 | 37.15 | 37.63 | 38.14 | 37.64 | 1.31 | ppb |
| Copper | 63-2 | 222.14 | 224.19 | 223.94 | 223.43 | 0.50 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 117 | | % |
| Holmium | 165-2 | | | | 116 | | % |
| Indium | 115-1 | | | | 115 | | % |
| Indium | 115-2 | | | | 112 | | % |
| Iron | 56-2 | 45402.90 | 45914.55 | 46729.99 | 46015.81 | 1.45 | ppb |
| Iron | 57-2 | 44545.09 | 45409.53 | 46333.32 | 45429.31 | 1.97 | ppb |
| Iron | 54-2 | 46619.75 | 46223.17 | 46590.12 | 46477.68 | 0.48 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:05:09 | DataFile Name : | 055SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 699.99 | 694.78 | 689.92 | 694.89 | 0.72 | ppb |
| Lead | 207-1 | 679.24 | 674.66 | 669.46 | 674.45 | 0.73 | ppb |
| Lead | 208-1 | 686.47 | 690.74 | 677.98 | 685.06 | 0.95 | ppb |
| Lithium | 6-1 | | | | 122 | | % |
| Magnesium | 24-2 | 6726.62 | 6746.49 | 6705.94 | 6726.35 | 0.30 | ppb |
| Manganese | 55-2 | 628.97 | 627.64 | 627.74 | 628.12 | 0.12 | ppb |
| Molybdenum | 94-1 | 18.18 | 18.08 | 18.17 | 18.15 | 0.30 | ppb |
| Molybdenum | 95-1 | 3.52 | 3.44 | 3.55 | 3.50 | 1.69 | ppb |
| Molybdenum | 96-1 | 5.46 | 5.34 | 5.43 | 5.41 | 1.14 | ppb |
| Molybdenum | 97-1 | 3.59 | 3.50 | 3.59 | 3.56 | 1.43 | ppb |
| Molybdenum | 98-1 | 3.49 | 3.44 | 3.52 | 3.49 | 1.18 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 102.08 | 101.96 | 101.85 | 101.96 | 0.11 | ppb |
| Phosphorus | 31-2 | 3505.23 | 3399.38 | 3485.79 | 3463.47 | 1.63 | ppb |
| Potassium | 39-2 | 2316.42 | 2323.10 | 2361.04 | 2333.52 | 1.03 | ppb |
| Rhodium | 103-1 | | | | 115 | | % |
| Rhodium | 103-2 | | | | 112 | | % |
| Scandium | 45-1 | | | | 121 | | % |
| Scandium | 45-2 | | | | 114 | | % |
| Selenium | 82-1 | 4.92 | 5.35 | 5.05 | 5.11 | 4.35 | ppb |
| Selenium | 77-2 | 25.01 | 24.89 | 23.98 | 24.63 | 2.29 | ppb |
| Selenium | 78-2 | 8.50 | 7.89 | 8.51 | 8.30 | 4.25 | ppb |
| Silicon | 28-1 | 419.02 | 422.90 | 416.61 | 419.51 | 0.76 | ppb |
| Silver | 107-1 | 984.06 | 1003.53 | 997.22 | 994.94 | 1.00 | ppb |
| Silver | 109-1 | 983.16 | 1012.02 | 1016.35 | 1003.84 | 1.80 | ppb |
| Sodium | 23-2 | 4325.10 | 4329.39 | 4333.98 | 4329.49 | 0.10 | ppb |
| Strontium | 86-1 | 72.84 | 72.51 | 72.72 | 72.69 | 0.23 | ppb |
| Strontium | 88-1 | 74.14 | 74.49 | 74.47 | 74.37 | 0.26 | ppb |
| Sulfur | 34-1 | 20166.40 | 20670.66 | 20885.45 | 20574.17 | 1.79 | ppb |
| Terbium | 159-1 | | | | 116 | | % |
| Terbium | 159-2 | | | | 115 | | % |
| Thallium | 203-1 | 0.92 | 0.89 | 0.90 | 0.91 | 1.61 | ppb |
| Thallium | 205-1 | 0.89 | 0.89 | 0.88 | 0.89 | 0.58 | ppb |
| Tin | 118-1 | 3.36 | 3.49 | 3.48 | 3.44 | 2.05 | ppb |
| Titanium | 47-1 | 879.55 | 879.90 | 888.74 | 882.73 | 0.59 | ppb |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:05:09 | DataFile Name : | 055SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 4.87 | 4.91 | 4.84 | 4.87 | 0.71 | ppb |
| Vanadium | 51-2 | 163.35 | 165.26 | 165.36 | 164.66 | 0.69 | ppb |
| Yttrium | 89-1 | | | | 131 | | % |
| Yttrium | 89-2 | | | | 127 | | % |
| Zinc | 66-2 | 1087.20 | 1085.17 | 1102.72 | 1091.69 | 0.88 | ppb |
| Zirconium | 90-1 | 7.96 | 7.87 | 8.04 | 7.96 | 1.09 | ppb |
| Zirconium | 91-1 | 7.93 | 7.93 | 7.99 | 7.95 | 0.39 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-01DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:08:10 | DataFile Name : | 056SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 10633.17 | 10726.93 | 10483.42 | 10614.51 | 1.16 | ppb |
| Antimony | 121-1 | 0.46 | 0.46 | 0.50 | 0.47 | 4.71 | ppb |
| Arsenic | 75-2 | 9.14 | 8.72 | 8.74 | 8.87 | 2.72 | ppb |
| Barium | 135-1 | 186.89 | 187.67 | 186.37 | 186.98 | 0.35 | ppb |
| Barium | 137-1 | 189.55 | 188.81 | 191.28 | 189.88 | 0.67 | ppb |
| Beryllium | 9-1 | 1.77 | 1.85 | 1.78 | 1.80 | 2.41 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.74 | 1.91 | 2.28 | 1.97 | 13.84 | ppb |
| Cadmium | 106-1 | 0.67 | 1.23 | 0.30 | 0.74 | 63.54 | ppb |
| Cadmium | 111-1 | 1.52 | 1.71 | 1.64 | 1.62 | 5.90 | ppb |
| Calcium | 43-1 | 1890.05 | 1878.46 | 1906.73 | 1891.75 | 0.75 | ppb |
| Calcium | 44-1 | 1884.35 | 1935.00 | 1899.58 | 1906.31 | 1.36 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 26.35 | 26.95 | 25.83 | 26.38 | 2.13 | ppb |
| Cobalt | 59-2 | 7.68 | 7.55 | 7.50 | 7.58 | 1.24 | ppb |
| Copper | 63-2 | 45.37 | 45.29 | 44.79 | 45.15 | 0.70 | 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 | | | | 108 | | % |
| Indium | 115-1 | | | | 106 | | % |
| Indium | 115-2 | | | | 104 | | % |
| Iron | 56-2 | 9372.08 | 9401.66 | 9275.10 | 9349.61 | 0.71 | ppb |
| Iron | 57-2 | 9734.83 | 9729.95 | 9577.91 | 9680.90 | 0.92 | ppb |
| Iron | 54-2 | 9814.59 | 9815.96 | 9625.59 | 9752.05 | 1.12 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-01DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:08:10 | DataFile Name : | 056SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 121.60 | 121.09 | 122.34 | 121.68 | 0.52 | ppb |
| Lead | 207-1 | 115.25 | 115.40 | 119.25 | 116.63 | 1.94 | ppb |
| Lead | 208-1 | 118.11 | 118.12 | 120.54 | 118.92 | 1.18 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 1423.80 | 1429.02 | 1413.42 | 1422.08 | 0.56 | ppb |
| Manganese | 55-2 | 127.76 | 127.26 | 125.88 | 126.97 | 0.77 | ppb |
| Molybdenum | 94-1 | 3.93 | 4.22 | 4.00 | 4.05 | 3.76 | ppb |
| Molybdenum | 95-1 | 0.83 | 0.79 | 0.78 | 0.80 | 3.84 | ppb |
| Molybdenum | 96-1 | 1.15 | 1.26 | 1.25 | 1.22 | 5.08 | ppb |
| Molybdenum | 97-1 | 0.77 | 0.77 | 0.74 | 0.76 | 2.03 | ppb |
| Molybdenum | 98-1 | 0.75 | 0.79 | 0.74 | 0.76 | 3.40 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 20.40 | 20.52 | 20.22 | 20.38 | 0.74 | ppb |
| Phosphorus | 31-2 | 681.54 | 647.17 | 670.30 | 666.34 | 2.63 | ppb |
| Potassium | 39-2 | 463.40 | 461.51 | 453.14 | 459.35 | 1.19 | ppb |
| Rhodium | 103-1 | | | | 106 | | % |
| Rhodium | 103-2 | | | | 105 | | % |
| Scandium | 45-1 | | | | 108 | | % |
| Scandium | 45-2 | | | | 105 | | % |
| Selenium | 82-1 | 1.38 | 1.33 | 1.64 | 1.45 | 11.72 | ppb |
| Selenium | 77-2 | 5.13 | 6.05 | 5.90 | 5.69 | 8.72 | ppb |
| Selenium | 78-2 | 1.20 | 2.69 | 1.94 | 1.94 | 38.45 | ppb |
| Silicon | 28-1 | 83.20 | 93.22 | 84.53 | 86.98 | 6.26 | ppb |
| Silver | 107-1 | 202.17 | 203.31 | 201.31 | 202.26 | 0.50 | ppb |
| Silver | 109-1 | 195.03 | 195.18 | 196.68 | 195.63 | 0.47 | ppb |
| Sodium | 23-2 | 943.32 | 931.72 | 922.55 | 932.53 | 1.12 | ppb |
| Strontium | 86-1 | 15.76 | 16.29 | 15.85 | 15.97 | 1.80 | ppb |
| Strontium | 88-1 | 15.73 | 16.02 | 16.04 | 15.93 | 1.07 | ppb |
| Sulfur | 34-1 | 2849.92 | 3125.82 | 3030.08 | 3001.94 | 4.67 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 107 | | % |
| Thallium | 203-1 | 0.17 | 0.16 | 0.17 | 0.17 | 2.62 | ppb |
| Thallium | 205-1 | 0.17 | 0.17 | 0.17 | 0.17 | 0.86 | ppb |
| Tin | 118-1 | 0.66 | 0.68 | 0.67 | 0.67 | 1.43 | ppb |
| Titanium | 47-1 | 175.15 | 180.96 | 175.94 | 177.35 | 1.78 | ppb |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-01DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:08:10 | DataFile Name : | 056SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.92 | 0.90 | 0.97 | 0.93 | 3.60 | ppb |
| Vanadium | 51-2 | 32.97 | 32.63 | 32.98 | 32.86 | 0.60 | ppb |
| Yttrium | 89-1 | | | | 109 | | % |
| Yttrium | 89-2 | | | | 107 | | % |
| Zinc | 66-2 | 215.07 | 215.68 | 214.76 | 215.17 | 0.22 | ppb |
| Zirconium | 90-1 | 1.72 | 1.79 | 1.77 | 1.76 | 1.95 | ppb |
| Zirconium | 91-1 | 1.72 | 1.86 | 1.82 | 1.80 | 4.05 | ppb |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:11:26 | DataFile Name : | 057SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 56061.39 | 56779.55 | 56288.19 | 56376.38 | 0.65 | ppb |
| Antimony | 121-1 | 0.20 | 0.18 | 0.21 | 0.20 | 7.29 | ppb |
| Arsenic | 75-2 | 3.18 | 3.04 | 3.13 | 3.12 | 2.22 | ppb |
| Barium | 135-1 | 223.19 | 230.84 | 235.91 | 229.98 | 2.78 | ppb |
| Barium | 137-1 | 233.22 | 230.68 | 238.70 | 234.20 | 1.75 | ppb |
| Beryllium | 9-1 | 2.03 | 2.00 | 2.14 | 2.06 | 3.64 | ppb |
| Bismuth | 209-1 | | | | 112 | | % |
| Bismuth | 209-2 | | | | 112 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.83 | 0.69 | 0.90 | 0.81 | 13.05 | ppb |
| Cadmium | 106-1 | 2.35 | 0.94 | 0.90 | 1.40 | 59.05 | ppb |
| Cadmium | 111-1 | 0.44 | 0.31 | 0.30 | 0.35 | 22.28 | ppb |
| Calcium | 43-1 | 3534.90 | 3469.07 | 3580.68 | 3528.22 | 1.59 | ppb |
| Calcium | 44-1 | 3461.74 | 3486.33 | 3541.00 | 3496.35 | 1.16 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 91.41 | 89.99 | 92.61 | 91.34 | 1.44 | ppb |
| Cobalt | 59-2 | 15.97 | 15.74 | 15.90 | 15.87 | 0.72 | ppb |
| Copper | 63-2 | 58.88 | 57.88 | 59.02 | 58.59 | 1.06 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 113 | | % |
| Holmium | 165-2 | | | | 114 | | % |
| Indium | 115-1 | | | | 112 | | % |
| Indium | 115-2 | | | | 110 | | % |
| Iron | 56-2 | 36460.65 | 36373.99 | 36656.10 | 36496.91 | 0.40 | ppb |
| Iron | 57-2 | 36787.96 | 36266.77 | 36586.10 | 36546.94 | 0.72 | ppb |
| Iron | 54-2 | 36685.15 | 36923.96 | 37232.80 | 36947.30 | 0.74 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:11:26 | DataFile Name : | 057SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 79.99 | 82.34 | 85.69 | 82.67 | 3.47 | ppb |
| Lead | 207-1 | 75.75 | 76.29 | 80.13 | 77.39 | 3.09 | ppb |
| Lead | 208-1 | 78.14 | 80.18 | 82.04 | 80.12 | 2.43 | ppb |
| Lithium | 6-1 | | | | 114 | | % |
| Magnesium | 24-2 | 10026.31 | 10014.21 | 9909.99 | 9983.50 | 0.64 | ppb |
| Manganese | 55-2 | 421.35 | 422.21 | 427.99 | 423.85 | 0.85 | ppb |
| Molybdenum | 94-1 | 18.22 | 19.05 | 19.41 | 18.89 | 3.23 | ppb |
| Molybdenum | 95-1 | 0.80 | 0.81 | 0.86 | 0.82 | 4.10 | ppb |
| Molybdenum | 96-1 | 2.96 | 2.98 | 3.20 | 3.05 | 4.32 | ppb |
| Molybdenum | 97-1 | 0.81 | 0.90 | 0.82 | 0.84 | 5.55 | ppb |
| Molybdenum | 98-1 | 0.80 | 0.83 | 0.85 | 0.83 | 3.38 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 55.94 | 56.91 | 58.07 | 56.97 | 1.87 | ppb |
| Phosphorus | 31-2 | 1063.68 | 1126.45 | 1111.16 | 1100.43 | 2.97 | ppb |
| Potassium | 39-2 | 2452.39 | 2439.51 | 2468.43 | 2453.44 | 0.59 | ppb |
| Rhodium | 103-1 | | | | 110 | | % |
| Rhodium | 103-2 | | | | 109 | | % |
| Scandium | 45-1 | | | | 117 | | % |
| Scandium | 45-2 | | | | 112 | | % |
| Selenium | 82-1 | 2.39 | 1.78 | 2.75 | 2.31 | 21.27 | ppb |
| Selenium | 77-2 | 18.64 | 17.82 | 17.72 | 18.06 | 2.81 | ppb |
| Selenium | 78-2 | 4.00 | 3.32 | 6.72 | 4.68 | 38.35 | ppb |
| Silicon | 28-1 | 512.69 | 504.42 | 516.38 | 511.16 | 1.20 | ppb |
| Silver | 107-1 | 11.24 | 11.53 | 11.71 | 11.49 | 2.04 | ppb |
| Silver | 109-1 | 11.44 | 11.31 | 11.58 | 11.44 | 1.15 | ppb |
| Sodium | 23-2 | 2172.53 | 2149.66 | 2162.67 | 2161.62 | 0.53 | ppb |
| Strontium | 86-1 | 26.80 | 26.48 | 28.63 | 27.30 | 4.24 | ppb |
| Strontium | 88-1 | 26.63 | 27.08 | 28.21 | 27.31 | 2.97 | ppb |
| Sulfur | 34-1 | -645.72 | -802.24 | -539.87 | -662.61 | | ppb |
| Terbium | 159-1 | | | | 112 | | % |
| Terbium | 159-2 | | | | 110 | | % |
| Thallium | 203-1 | 0.45 | 0.47 | 0.47 | 0.46 | 1.84 | ppb |
| Thallium | 205-1 | 0.45 | 0.46 | 0.47 | 0.46 | 2.74 | ppb |
| Tin | 118-1 | 20.96 | 21.34 | 22.00 | 21.43 | 2.45 | ppb |
| Titanium | 47-1 | 765.72 | 762.41 | 819.31 | 782.48 | 4.08 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:11:26 | DataFile Name : | 057SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 2.39 | 2.41 | 2.43 | 2.41 | 0.85 | ppb |
| Vanadium | 51-2 | 52.89 | 52.69 | 53.04 | 52.87 | 0.33 | ppb |
| Yttrium | 89-1 | | | | 119 | | % |
| Yttrium | 89-2 | | | | 118 | | % |
| Zinc | 66-2 | 209.36 | 212.60 | 215.16 | 212.37 | 1.37 | ppb |
| Zirconium | 90-1 | 9.18 | 9.38 | 9.94 | 9.50 | 4.14 | ppb |
| Zirconium | 91-1 | 8.90 | 9.25 | 9.93 | 9.36 | 5.61 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-02DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:14:37 | DataFile Name : | 058SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 11596.76 | 11235.98 | 11084.69 | 11305.81 | 2.33 | ppb |
| Antimony | 121-1 | 0.05 | 0.05 | 0.07 | 0.06 | 18.02 | ppb |
| Arsenic | 75-2 | 0.63 | 0.64 | 0.51 | 0.59 | 12.29 | ppb |
| Barium | 135-1 | 44.28 | 46.40 | 45.75 | 45.48 | 2.38 | ppb |
| Barium | 137-1 | 44.99 | 46.39 | 46.23 | 45.87 | 1.68 | ppb |
| Beryllium | 9-1 | 0.44 | 0.40 | 0.33 | 0.39 | 14.11 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.18 | 0.30 | 0.13 | 0.20 | 43.72 | ppb |
| Cadmium | 106-1 | 0.06 | -1.25 | -2.80 | -1.33 | | ppb |
| Cadmium | 111-1 | 0.03 | -0.04 | -0.15 | -0.05 | | ppb |
| Calcium | 43-1 | 677.08 | 706.17 | 687.48 | 690.24 | 2.14 | ppb |
| Calcium | 44-1 | 691.39 | 729.30 | 714.36 | 711.69 | 2.68 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 18.12 | 18.15 | 17.93 | 18.07 | 0.65 | ppb |
| Cobalt | 59-2 | 3.26 | 3.08 | 3.24 | 3.19 | 3.00 | ppb |
| Copper | 63-2 | 11.87 | 11.79 | 11.87 | 11.85 | 0.41 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 106 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 105 | | % |
| Indium | 115-2 | | | | 107 | | % |
| Iron | 56-2 | 7330.93 | 7384.88 | 7403.00 | 7372.94 | 0.51 | ppb |
| Iron | 57-2 | 7623.18 | 7705.68 | 7711.97 | 7680.28 | 0.65 | ppb |
| Iron | 54-2 | 7802.39 | 7827.53 | 7802.98 | 7810.97 | 0.18 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-02DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:14:37 | DataFile Name : | 058SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 15.79 | 15.64 | 15.31 | 15.58 | 1.58 | ppb |
| Lead | 207-1 | 14.75 | 14.26 | 14.27 | 14.43 | 1.94 | ppb |
| Lead | 208-1 | 15.29 | 15.15 | 14.98 | 15.14 | 1.05 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 2110.60 | 2079.77 | 2101.84 | 2097.40 | 0.76 | ppb |
| Manganese | 55-2 | 85.63 | 85.88 | 85.66 | 85.72 | 0.16 | ppb |
| Molybdenum | 94-1 | 3.70 | 3.78 | 3.67 | 3.72 | 1.62 | ppb |
| Molybdenum | 95-1 | 0.16 | 0.17 | 0.16 | 0.17 | 1.84 | ppb |
| Molybdenum | 96-1 | 0.62 | 0.58 | 0.62 | 0.61 | 3.35 | ppb |
| Molybdenum | 97-1 | 0.16 | 0.15 | 0.16 | 0.16 | 3.70 | ppb |
| Molybdenum | 98-1 | 0.13 | 0.15 | 0.18 | 0.15 | 16.09 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 11.43 | 11.63 | 11.25 | 11.44 | 1.64 | ppb |
| Phosphorus | 31-2 | 208.45 | 196.37 | 207.62 | 204.15 | 3.31 | ppb |
| Potassium | 39-2 | 487.21 | 483.37 | 483.91 | 484.83 | 0.43 | ppb |
| Rhodium | 103-1 | | | | 105 | | % |
| Rhodium | 103-2 | | | | 106 | | % |
| Scandium | 45-1 | | | | 108 | | % |
| Scandium | 45-2 | | | | 105 | | % |
| Selenium | 82-1 | 0.83 | 0.97 | 0.58 | 0.80 | 24.71 | ppb |
| Selenium | 77-2 | 4.10 | 2.76 | 1.94 | 2.93 | 37.24 | ppb |
| Selenium | 78-2 | 0.30 | 0.56 | 0.96 | 0.61 | 55.35 | ppb |
| Silicon | 28-1 | 100.50 | 105.14 | 106.43 | 104.02 | 3.00 | ppb |
| Silver | 107-1 | 2.19 | 2.36 | 2.45 | 2.34 | 5.52 | ppb |
| Silver | 109-1 | 2.19 | 2.32 | 2.25 | 2.25 | 2.83 | ppb |
| Sodium | 23-2 | 448.72 | 441.11 | 433.97 | 441.27 | 1.67 | ppb |
| Strontium | 86-1 | 5.50 | 5.48 | 5.43 | 5.47 | 0.59 | ppb |
| Strontium | 88-1 | 5.57 | 5.43 | 5.59 | 5.53 | 1.52 | ppb |
| Sulfur | 34-1 | -1949.08 | -1717.36 | -1801.55 | -1822.66 | | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 0.08 | 0.09 | 0.09 | 0.09 | 4.34 | ppb |
| Thallium | 205-1 | 0.09 | 0.09 | 0.09 | 0.09 | 0.63 | ppb |
| Tin | 118-1 | 3.98 | 4.31 | 4.20 | 4.16 | 4.02 | ppb |
| Titanium | 47-1 | 150.57 | 159.80 | 156.76 | 155.71 | 3.02 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-02DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:14:37 | DataFile Name : | 058SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.45 | 0.43 | 0.44 | 0.44 | 2.69 | ppb |
| Vanadium | 51-2 | 10.66 | 10.61 | 10.51 | 10.59 | 0.70 | ppb |
| Yttrium | 89-1 | | | | 110 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 41.88 | 42.21 | 42.08 | 42.06 | 0.39 | ppb |
| Zirconium | 90-1 | 1.85 | 1.87 | 1.95 | 1.89 | 2.85 | ppb |
| Zirconium | 91-1 | 1.89 | 1.82 | 1.89 | 1.86 | 2.15 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-03 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:17:53 | DataFile Name : | 059SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 37391.83 | 37336.56 | 37225.79 | 37318.06 | 0.23 | ppb |
| Antimony | 121-1 | 1.65 | 1.69 | 1.72 | 1.69 | 1.84 | ppb |
| Arsenic | 75-2 | 84.37 | 84.45 | 83.94 | 84.25 | 0.32 | ppb |
| Barium | 135-1 | 728.35 | 735.93 | 750.69 | 738.32 | 1.54 | ppb |
| Barium | 137-1 | 776.44 | 774.78 | 783.14 | 778.12 | 0.57 | ppb |
| Beryllium | 9-1 | 7.02 | 7.35 | 7.35 | 7.24 | 2.60 | ppb |
| Bismuth | 209-1 | | | | 115 | | % |
| Bismuth | 209-2 | | | | 113 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 6.34 | 6.02 | 6.08 | 6.15 | 2.81 | ppb |
| Cadmium | 106-1 | 7.03 | 8.32 | 6.92 | 7.42 | 10.55 | ppb |
| Cadmium | 111-1 | 6.04 | 6.39 | 6.27 | 6.24 | 2.83 | ppb |
| Calcium | 43-1 | 7157.72 | 7533.00 | 7468.78 | 7386.50 | 2.72 | ppb |
| Calcium | 44-1 | 6861.78 | 7105.45 | 7112.43 | 7026.55 | 2.03 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 99.92 | 101.58 | 99.80 | 100.44 | 0.99 | ppb |
| Cobalt | 59-2 | 18.84 | 18.84 | 18.68 | 18.79 | 0.47 | ppb |
| Copper | 63-2 | 124.25 | 125.85 | 122.93 | 124.34 | 1.17 | 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 | | | | 116 | | % |
| Holmium | 165-2 | | | | 115 | | % |
| Indium | 115-1 | | | | 113 | | % |
| Indium | 115-2 | | | | 111 | | % |
| Iron | 56-2 | 71888.81 | 72849.43 | 71384.34 | 72040.86 | 1.03 | ppb |
| Iron | 57-2 | 70411.43 | 69935.53 | 71492.34 | 70613.10 | 1.13 | ppb |
| Iron | 54-2 | 71107.76 | 71531.48 | 71926.35 | 71521.86 | 0.57 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-03 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:17:53 | DataFile Name : | 059SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 303.14 | 311.02 | 314.76 | 309.64 | 1.92 | ppb |
| Lead | 207-1 | 289.90 | 296.32 | 298.97 | 295.06 | 1.58 | ppb |
| Lead | 208-1 | 318.24 | 321.15 | 323.12 | 320.83 | 0.76 | ppb |
| Lithium | 6-1 | | | | 114 | | % |
| Magnesium | 24-2 | 4501.00 | 4590.91 | 4514.35 | 4535.42 | 1.07 | ppb |
| Manganese | 55-2 | 395.01 | 395.68 | 396.04 | 395.58 | 0.13 | ppb |
| Molybdenum | 94-1 | 16.82 | 17.06 | 17.46 | 17.11 | 1.89 | ppb |
| Molybdenum | 95-1 | 3.45 | 3.57 | 3.45 | 3.49 | 2.01 | ppb |
| Molybdenum | 96-1 | 5.48 | 5.57 | 5.65 | 5.57 | 1.59 | ppb |
| Molybdenum | 97-1 | 3.54 | 3.67 | 3.71 | 3.64 | 2.40 | ppb |
| Molybdenum | 98-1 | 3.46 | 3.57 | 3.63 | 3.55 | 2.34 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 63.80 | 64.71 | 63.86 | 64.12 | 0.79 | ppb |
| Phosphorus | 31-2 | 2890.80 | 2983.38 | 2997.28 | 2957.15 | 1.96 | ppb |
| Potassium | 39-2 | 1738.27 | 1765.20 | 1754.34 | 1752.60 | 0.77 | ppb |
| Rhodium | 103-1 | | | | 113 | | % |
| Rhodium | 103-2 | | | | 111 | | % |
| Scandium | 45-1 | | | | 120 | | % |
| Scandium | 45-2 | | | | 114 | | % |
| Selenium | 82-1 | 2.74 | 3.32 | 3.20 | 3.09 | 9.87 | ppb |
| Selenium | 77-2 | 19.42 | 24.89 | 24.74 | 23.02 | 13.54 | ppb |
| Selenium | 78-2 | 5.83 | 7.37 | 7.98 | 7.06 | 15.72 | ppb |
| Silicon | 28-1 | 495.09 | 524.42 | 509.08 | 509.53 | 2.88 | ppb |
| Silver | 107-1 | 7.47 | 7.86 | 8.07 | 7.80 | 3.94 | ppb |
| Silver | 109-1 | 7.60 | 7.78 | 7.95 | 7.78 | 2.25 | ppb |
| Sodium | 23-2 | 1638.20 | 1654.59 | 1628.94 | 1640.58 | 0.79 | ppb |
| Strontium | 86-1 | 80.81 | 82.73 | 83.54 | 82.36 | 1.70 | ppb |
| Strontium | 88-1 | 81.72 | 84.34 | 84.41 | 83.49 | 1.84 | ppb |
| Sulfur | 34-1 | 13413.67 | 14291.78 | 13944.32 | 13883.26 | 3.19 | ppb |
| Terbium | 159-1 | | | | 113 | | % |
| Terbium | 159-2 | | | | 114 | | % |
| Thallium | 203-1 | 0.50 | 0.49 | 0.53 | 0.51 | 4.46 | ppb |
| Thallium | 205-1 | 0.51 | 0.53 | 0.54 | 0.53 | 2.51 | ppb |
| Tin | 118-1 | 5.70 | 5.72 | 5.92 | 5.78 | 2.07 | ppb |
| Titanium | 47-1 | 698.90 | 724.96 | 716.57 | 713.48 | 1.86 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-03 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:17:53 | DataFile Name : | 059SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 4.20 | 4.26 | 4.30 | 4.25 | 1.22 | ppb |
| Vanadium | 51-2 | 243.61 | 245.39 | 245.02 | 244.67 | 0.38 | ppb |
| Yttrium | 89-1 | | | | 131 | | % |
| Yttrium | 89-2 | | | | 128 | | % |
| Zinc | 66-2 | 997.18 | 1008.27 | 985.79 | 997.08 | 1.13 | ppb |
| Zirconium | 90-1 | 7.20 | 7.45 | 7.45 | 7.37 | 1.94 | ppb |
| Zirconium | 91-1 | 7.10 | 7.33 | 7.60 | 7.34 | 3.44 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-03DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:21:03 | DataFile Name : | 060SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 7731.61 | 7737.74 | 7673.94 | 7714.43 | 0.46 | ppb |
| Antimony | 121-1 | 0.33 | 0.33 | 0.35 | 0.34 | 3.96 | ppb |
| Arsenic | 75-2 | 18.04 | 18.34 | 18.29 | 18.23 | 0.88 | ppb |
| Barium | 135-1 | 148.78 | 144.52 | 145.34 | 146.21 | 1.55 | ppb |
| Barium | 137-1 | 147.08 | 147.45 | 148.26 | 147.59 | 0.41 | ppb |
| Beryllium | 9-1 | 1.45 | 1.36 | 1.33 | 1.38 | 4.49 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.04 | 1.48 | 1.22 | 1.25 | 17.99 | ppb |
| Cadmium | 106-1 | 0.93 | 1.08 | 0.72 | 0.91 | 20.18 | ppb |
| Cadmium | 111-1 | 1.23 | 1.10 | 1.12 | 1.15 | 6.10 | ppb |
| Calcium | 43-1 | 1461.48 | 1492.48 | 1525.33 | 1493.10 | 2.14 | ppb |
| Calcium | 44-1 | 1496.10 | 1504.86 | 1512.96 | 1504.64 | 0.56 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 20.27 | 20.14 | 20.12 | 20.18 | 0.39 | ppb |
| Cobalt | 59-2 | 3.82 | 3.86 | 3.84 | 3.84 | 0.56 | ppb |
| Copper | 63-2 | 25.09 | 25.01 | 25.54 | 25.21 | 1.12 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 106 | | % |
| Holmium | 165-2 | | | | 108 | | % |
| Indium | 115-1 | | | | 106 | | % |
| Indium | 115-2 | | | | 106 | | % |
| Iron | 56-2 | 14422.55 | 14786.54 | 14627.61 | 14612.23 | 1.25 | ppb |
| Iron | 57-2 | 14928.25 | 15231.55 | 15197.96 | 15119.25 | 1.10 | ppb |
| Iron | 54-2 | 14678.76 | 14620.89 | 14849.92 | 14716.52 | 0.81 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-03DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:21:03 | DataFile Name : | 060SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 57.49 | 59.76 | 60.70 | 59.32 | 2.78 | ppb |
| Lead | 207-1 | 55.01 | 58.70 | 57.90 | 57.20 | 3.40 | ppb |
| Lead | 208-1 | 56.62 | 59.05 | 59.58 | 58.42 | 2.71 | ppb |
| Lithium | 6-1 | | | | 107 | | % |
| Magnesium | 24-2 | 914.31 | 915.36 | 912.41 | 914.03 | 0.16 | ppb |
| Manganese | 55-2 | 79.44 | 80.67 | 79.94 | 80.02 | 0.77 | ppb |
| Molybdenum | 94-1 | 3.71 | 3.60 | 3.70 | 3.67 | 1.65 | ppb |
| Molybdenum | 95-1 | 0.73 | 0.74 | 0.75 | 0.74 | 1.64 | ppb |
| Molybdenum | 96-1 | 1.20 | 1.17 | 1.25 | 1.21 | 3.07 | ppb |
| Molybdenum | 97-1 | 0.77 | 0.73 | 0.77 | 0.76 | 2.68 | ppb |
| Molybdenum | 98-1 | 0.71 | 0.77 | 0.75 | 0.74 | 4.18 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 13.32 | 13.44 | 12.88 | 13.22 | 2.25 | ppb |
| Phosphorus | 31-2 | 575.19 | 561.79 | 564.90 | 567.29 | 1.24 | ppb |
| Potassium | 39-2 | 343.98 | 349.83 | 353.42 | 349.07 | 1.36 | ppb |
| Rhodium | 103-1 | | | | 108 | | % |
| Rhodium | 103-2 | | | | 108 | | % |
| Scandium | 45-1 | | | | 108 | | % |
| Scandium | 45-2 | | | | 105 | | % |
| Selenium | 82-1 | 1.22 | 0.78 | 1.62 | 1.21 | 34.86 | ppb |
| Selenium | 77-2 | 5.97 | 3.64 | 8.85 | 6.16 | 42.39 | ppb |
| Selenium | 78-2 | 1.65 | 1.96 | 2.96 | 2.19 | 31.39 | ppb |
| Silicon | 28-1 | 102.94 | 102.11 | 103.11 | 102.72 | 0.52 | ppb |
| Silver | 107-1 | 1.60 | 1.54 | 1.59 | 1.58 | 2.02 | ppb |
| Silver | 109-1 | 1.54 | 1.55 | 1.55 | 1.55 | 0.16 | ppb |
| Sodium | 23-2 | 336.54 | 344.55 | 336.59 | 339.23 | 1.36 | ppb |
| Strontium | 86-1 | 17.01 | 18.08 | 17.90 | 17.66 | 3.23 | ppb |
| Strontium | 88-1 | 17.55 | 17.80 | 18.33 | 17.90 | 2.23 | ppb |
| Sulfur | 34-1 | 919.14 | 1053.82 | 982.12 | 985.03 | 6.84 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 107 | | % |
| Thallium | 203-1 | 0.09 | 0.09 | 0.10 | 0.09 | 6.45 | ppb |
| Thallium | 205-1 | 0.09 | 0.10 | 0.09 | 0.09 | 8.16 | ppb |
| Tin | 118-1 | 1.07 | 1.05 | 1.10 | 1.07 | 2.36 | ppb |
| Titanium | 47-1 | 140.62 | 146.24 | 143.95 | 143.60 | 1.97 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-03DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:21:03 | DataFile Name : | 060SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.80 | 0.82 | 0.85 | 0.82 | 3.22 | ppb |
| Vanadium | 51-2 | 49.54 | 49.54 | 49.47 | 49.52 | 0.08 | ppb |
| Yttrium | 89-1 | | | | 110 | | % |
| Yttrium | 89-2 | | | | 109 | | % |
| Zinc | 66-2 | 199.62 | 200.52 | 201.97 | 200.70 | 0.59 | ppb |
| Zirconium | 90-1 | 1.58 | 1.62 | 1.63 | 1.61 | 1.51 | ppb |
| Zirconium | 91-1 | 1.57 | 1.66 | 1.61 | 1.61 | 2.75 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-04DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:24:19 | DataFile Name : | 061SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4186.35 | 4199.21 | 4091.97 | 4159.18 | 1.41 | ppb |
| Antimony | 121-1 | 0.22 | 0.20 | 0.23 | 0.22 | 8.54 | ppb |
| Arsenic | 75-2 | 34.26 | 32.49 | 35.88 | 34.21 | 4.96 | ppb |
| Barium | 135-1 | 195.11 | 199.01 | 198.31 | 197.47 | 1.05 | ppb |
| Barium | 137-1 | 196.39 | 198.15 | 198.85 | 197.80 | 0.64 | ppb |
| Beryllium | 9-1 | 1.47 | 1.34 | 1.39 | 1.40 | 4.89 | ppb |
| Bismuth | 209-1 | | | | 110 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.96 | 0.94 | 0.97 | 0.96 | 1.44 | ppb |
| Cadmium | 106-1 | 0.22 | -0.28 | -1.05 | -0.37 | | ppb |
| Cadmium | 111-1 | 0.92 | 0.98 | 0.89 | 0.93 | 5.33 | ppb |
| Calcium | 43-1 | 1115.09 | 1170.01 | 1207.91 | 1164.34 | 4.01 | ppb |
| Calcium | 44-1 | 1154.96 | 1192.66 | 1236.12 | 1194.58 | 3.40 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 11.19 | 10.96 | 10.83 | 10.99 | 1.68 | ppb |
| Cobalt | 59-2 | 7.74 | 7.96 | 7.82 | 7.84 | 1.43 | ppb |
| Copper | 63-2 | 16.88 | 17.28 | 16.13 | 16.77 | 3.50 | 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 | | | | 104 | | % |
| Holmium | 165-2 | | | | 108 | | % |
| Indium | 115-1 | | | | 106 | | % |
| Indium | 115-2 | | | | 106 | | % |
| Iron | 56-2 | 11399.60 | 11249.00 | 11135.94 | 11261.51 | 1.17 | ppb |
| Iron | 57-2 | 11714.55 | 11860.97 | 11559.92 | 11711.81 | 1.29 | ppb |
| Iron | 54-2 | 11874.66 | 11888.04 | 11676.03 | 11812.91 | 1.01 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-04DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:24:19 | DataFile Name : | 061SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 50.85 | 50.83 | 50.46 | 50.71 | 0.44 | ppb |
| Lead | 207-1 | 47.81 | 47.38 | 47.54 | 47.58 | 0.46 | ppb |
| Lead | 208-1 | 48.70 | 48.73 | 48.69 | 48.71 | 0.04 | ppb |
| Lithium | 6-1 | | | | 106 | | % |
| Magnesium | 24-2 | 666.57 | 667.29 | 655.95 | 663.27 | 0.96 | ppb |
| Manganese | 55-2 | 68.46 | 68.73 | 66.91 | 68.03 | 1.44 | ppb |
| Molybdenum | 94-1 | 2.23 | 2.33 | 2.31 | 2.29 | 2.25 | ppb |
| Molybdenum | 95-1 | 0.63 | 0.60 | 0.67 | 0.63 | 5.26 | ppb |
| Molybdenum | 96-1 | 0.98 | 0.87 | 0.91 | 0.92 | 5.82 | ppb |
| Molybdenum | 97-1 | 0.65 | 0.62 | 0.63 | 0.64 | 2.34 | ppb |
| Molybdenum | 98-1 | 0.65 | 0.63 | 0.63 | 0.64 | 2.08 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 11.57 | 11.33 | 11.70 | 11.53 | 1.61 | ppb |
| Phosphorus | 31-2 | 287.88 | 274.76 | 265.78 | 276.14 | 4.02 | ppb |
| Potassium | 39-2 | 266.95 | 275.86 | 266.92 | 269.91 | 1.91 | ppb |
| Rhodium | 103-1 | | | | 107 | | % |
| Rhodium | 103-2 | | | | 106 | | % |
| Scandium | 45-1 | | | | 110 | | % |
| Scandium | 45-2 | | | | 105 | | % |
| Selenium | 82-1 | 1.07 | 0.34 | 1.11 | 0.84 | 51.60 | ppb |
| Selenium | 77-2 | 0.57 | 4.33 | 2.36 | 2.42 | 77.58 | ppb |
| Selenium | 78-2 | -0.51 | 0.30 | -1.14 | -0.45 | | ppb |
| Silicon | 28-1 | 61.08 | 63.14 | 65.61 | 63.28 | 3.58 | ppb |
| Silver | 107-1 | 0.95 | 0.96 | 1.00 | 0.97 | 2.54 | ppb |
| Silver | 109-1 | 0.91 | 0.97 | 0.97 | 0.95 | 3.76 | ppb |
| Sodium | 23-2 | 211.99 | 214.02 | 211.36 | 212.46 | 0.65 | ppb |
| Strontium | 86-1 | 16.15 | 15.98 | 16.13 | 16.09 | 0.57 | ppb |
| Strontium | 88-1 | 16.25 | 15.98 | 16.22 | 16.15 | 0.94 | ppb |
| Sulfur | 34-1 | 1596.82 | 1608.09 | 1931.88 | 1712.26 | 11.11 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 0.16 | 0.18 | 0.16 | 0.17 | 4.71 | ppb |
| Thallium | 205-1 | 0.16 | 0.17 | 0.16 | 0.16 | 3.96 | ppb |
| Tin | 118-1 | 0.58 | 0.63 | 0.67 | 0.63 | 7.14 | ppb |
| Titanium | 47-1 | 75.39 | 76.94 | 79.07 | 77.13 | 2.39 | ppb |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-04DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:24:19 | DataFile Name : | 061SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.40 | 0.40 | 0.42 | 0.40 | 3.00 | ppb |
| Vanadium | 51-2 | 15.52 | 15.61 | 15.20 | 15.44 | 1.40 | ppb |
| Yttrium | 89-1 | | | | 111 | | % |
| Yttrium | 89-2 | | | | 107 | | % |
| Zinc | 66-2 | 113.46 | 115.48 | 114.20 | 114.38 | 0.89 | ppb |
| Zirconium | 90-1 | 0.95 | 0.94 | 0.92 | 0.94 | 1.72 | ppb |
| Zirconium | 91-1 | 0.88 | 0.90 | 0.90 | 0.90 | 1.15 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV04 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV04 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:27:33 | DataFile Name : | 062CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 50475.97 | 49551.68 | 49945.49 | 49991.05 | 0.93 | ppb |
| Antimony | 121-1 | 508.84 | 507.24 | 522.13 | 512.74 | 1.59 | ppb |
| Arsenic | 75-2 | 494.28 | 494.33 | 493.35 | 493.99 | 0.11 | ppb |
| Barium | 135-1 | 2503.34 | 2438.28 | 2513.04 | 2484.89 | 1.64 | ppb |
| Barium | 137-1 | 2503.67 | 2519.04 | 2536.25 | 2519.65 | 0.65 | ppb |
| Beryllium | 9-1 | 516.30 | 510.02 | 537.57 | 521.30 | 2.77 | ppb |
| Bismuth | 209-1 | | | | 102 | | % |
| Bismuth | 209-2 | | | | 100 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 499.24 | 494.33 | 507.58 | 500.38 | 1.34 | ppb |
| Cadmium | 106-1 | 499.68 | 488.51 | 508.21 | 498.80 | 1.98 | ppb |
| Cadmium | 111-1 | 489.12 | 479.83 | 497.49 | 488.81 | 1.81 | ppb |
| Calcium | 43-1 | 257070.75 | 259869.49 | 257329.79 | 258090.01 | 0.60 | ppb |
| Calcium | 44-1 | 248360.01 | 258320.84 | 253871.39 | 253517.41 | 1.97 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 495.74 | 486.12 | 484.85 | 488.90 | 1.22 | ppb |
| Cobalt | 59-2 | 499.96 | 470.08 | 478.53 | 482.86 | 3.19 | ppb |
| Copper | 63-2 | 4924.30 | 4761.03 | 4854.47 | 4846.60 | 1.69 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 107 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 130221.91 | 128037.03 | 129271.46 | 129176.80 | 0.85 | ppb |
| Iron | 57-2 | 128968.78 | 125630.25 | 126933.64 | 127177.56 | 1.32 | ppb |
| Iron | 54-2 | 131423.10 | 125821.97 | 126272.28 | 127839.11 | 2.43 | ppb |
| Krypton | 83-1 | | | | | | cps |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV04 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV04 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:27:33 | DataFile Name : | 062CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2438.66 | 2483.48 | 2495.72 | 2472.62 | 1.21 | ppb |
| Lead | 207-1 | 2405.52 | 2478.74 | 2394.78 | 2426.34 | 1.88 | ppb |
| Lead | 208-1 | 2411.71 | 2489.92 | 2439.08 | 2446.90 | 1.62 | ppb |
| Lithium | 6-1 | | | | 108 | | % |
| Magnesium | 24-2 | 254961.73 | 245125.25 | 250151.10 | 250079.36 | 1.97 | ppb |
| Manganese | 55-2 | 4836.03 | 4756.83 | 4823.68 | 4805.51 | 0.89 | ppb |
| Molybdenum | 94-1 | 5287.38 | 5436.86 | 5581.51 | 5435.25 | 2.71 | ppb |
| Molybdenum | 95-1 | 5268.99 | 5432.71 | 5462.24 | 5387.98 | 1.93 | ppb |
| Molybdenum | 96-1 | 5240.90 | 5377.75 | 5540.12 | 5386.26 | 2.78 | ppb |
| Molybdenum | 97-1 | 5338.07 | 5463.71 | 5591.57 | 5464.45 | 2.32 | ppb |
| Molybdenum | 98-1 | 5239.81 | 5461.47 | 5629.12 | 5443.47 | 3.59 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 481.24 | 465.89 | 469.99 | 472.37 | 1.68 | ppb |
| Phosphorus | 31-2 | 9792.12 | 9648.69 | 9624.14 | 9688.32 | 0.94 | ppb |
| Potassium | 39-2 | 126761.48 | 122965.00 | 125401.23 | 125042.57 | 1.54 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 106 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 476.01 | 486.88 | 502.90 | 488.60 | 2.77 | ppb |
| Selenium | 77-2 | 462.05 | 485.19 | 485.85 | 477.69 | 2.84 | ppb |
| Selenium | 78-2 | 496.74 | 498.45 | 490.31 | 495.17 | 0.87 | ppb |
| Silicon | 28-1 | 489.91 | 502.86 | 506.45 | 499.74 | 1.74 | ppb |
| Silver | 107-1 | 491.73 | 489.24 | 504.32 | 495.10 | 1.63 | ppb |
| Silver | 109-1 | 498.66 | 490.97 | 500.34 | 496.66 | 1.01 | ppb |
| Sodium | 23-2 | 257316.33 | 249673.45 | 254313.64 | 253767.81 | 1.52 | ppb |
| Strontium | 86-1 | 12153.73 | 12377.16 | 12717.56 | 12416.15 | 2.29 | ppb |
| Strontium | 88-1 | 11937.34 | 12190.51 | 12426.05 | 12184.63 | 2.01 | ppb |
| Sulfur | 34-1 | 8826.28 | 9112.76 | 9080.11 | 9006.39 | 1.74 | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 490.92 | 502.04 | 510.58 | 501.18 | 1.97 | ppb |
| Thallium | 205-1 | 487.38 | 488.10 | 498.47 | 491.32 | 1.26 | ppb |
| Tin | 118-1 | 489.06 | 496.22 | 505.80 | 497.03 | 1.69 | ppb |
| Titanium | 47-1 | 5340.48 | 5354.85 | 5395.13 | 5363.49 | 0.53 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV04 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV04 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:27:33 | DataFile Name : | 062CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 491.09 | 500.13 | 482.92 | 491.38 | 1.75 | ppb |
| Vanadium | 51-2 | 502.53 | 491.00 | 491.33 | 494.95 | 1.33 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | 4918.08 | 4759.55 | 4813.45 | 4830.36 | 1.67 | ppb |
| Zirconium | 90-1 | 486.24 | 500.29 | 498.98 | 495.17 | 1.57 | ppb |
| Zirconium | 91-1 | 482.15 | 493.57 | 500.05 | 491.92 | 1.84 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB04 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB04 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:33:46 | DataFile Name : | 063CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | -0.26 | -0.31 | -0.14 | -0.24 | | ppb |
| Antimony | 121-1 | 0.12 | 0.15 | 0.17 | 0.15 | 15.95 | ppb |
| Arsenic | 75-2 | 0.01 | -0.02 | 0.02 | 0.01 | 394.65 | ppb |
| Barium | 135-1 | 0.00 | 0.00 | 0.00 | 0.00 | 150.83 | ppb |
| Barium | 137-1 | 0.01 | 0.02 | 0.02 | 0.02 | 43.66 | ppb |
| Beryllium | 9-1 | 0.05 | 0.04 | 0.02 | 0.04 | 43.99 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.07 | -0.07 | 0.02 | -0.04 | | ppb |
| Cadmium | 106-1 | -2.00 | -2.92 | -2.77 | -2.57 | | ppb |
| Cadmium | 111-1 | -0.13 | -0.21 | -0.20 | -0.18 | | ppb |
| Calcium | 43-1 | -2.63 | -4.93 | -3.11 | -3.56 | | ppb |
| Calcium | 44-1 | -4.76 | -6.93 | -8.25 | -6.64 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.23 | -0.24 | -0.24 | -0.24 | | ppb |
| Cobalt | 59-2 | -0.01 | -0.01 | 0.00 | -0.01 | | ppb |
| Copper | 63-2 | 0.05 | 0.07 | 0.09 | 0.07 | 27.79 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 104 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 105 | | % |
| Indium | 115-2 | | | | 106 | | % |
| Iron | 56-2 | 0.30 | 0.74 | 0.82 | 0.62 | 45.50 | ppb |
| Iron | 57-2 | -3.13 | 0.54 | 2.99 | 0.14 | 2271.48 | ppb |
| Iron | 54-2 | 0.92 | 0.47 | -0.67 | 0.24 | 339.47 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB04 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB04 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:33:46 | DataFile Name : | 063CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.01 | 0.03 | 0.02 | 0.02 | 35.05 | ppb |
| Lead | 207-1 | 0.02 | 0.02 | 0.01 | 0.02 | 26.45 | ppb |
| Lead | 208-1 | 0.03 | 0.01 | 0.01 | 0.02 | 40.35 | ppb |
| Lithium | 6-1 | | | | 107 | | % |
| Magnesium | 24-2 | 5.50 | 4.42 | 5.95 | 5.29 | 14.83 | ppb |
| Manganese | 55-2 | -0.04 | -0.06 | -0.03 | -0.04 | | ppb |
| Molybdenum | 94-1 | 0.16 | 0.10 | 0.11 | 0.12 | 24.55 | ppb |
| Molybdenum | 95-1 | 0.10 | 0.09 | 0.11 | 0.10 | 10.95 | ppb |
| Molybdenum | 96-1 | 0.12 | 0.10 | 0.09 | 0.10 | 16.34 | ppb |
| Molybdenum | 97-1 | 0.08 | 0.09 | 0.07 | 0.08 | 9.62 | ppb |
| Molybdenum | 98-1 | 0.11 | 0.11 | 0.11 | 0.11 | 1.87 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.15 | -0.17 | -0.23 | -0.18 | | ppb |
| Phosphorus | 31-2 | -17.82 | -15.43 | -18.05 | -17.10 | | ppb |
| Potassium | 39-2 | -3.79 | -7.02 | -5.68 | -5.50 | | ppb |
| Rhodium | 103-1 | | | | 105 | | % |
| Rhodium | 103-2 | | | | 106 | | % |
| Scandium | 45-1 | | | | 108 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 0.05 | 1.15 | 0.65 | 0.61 | 89.64 | ppb |
| Selenium | 77-2 | -0.13 | 0.23 | -0.13 | -0.01 | | ppb |
| Selenium | 78-2 | 0.44 | -0.38 | 0.51 | 0.19 | 261.43 | ppb |
| Silicon | 28-1 | -0.56 | -0.47 | -0.60 | -0.55 | | ppb |
| Silver | 107-1 | 0.02 | 0.02 | 0.02 | 0.02 | 7.49 | ppb |
| Silver | 109-1 | 0.03 | 0.02 | 0.03 | 0.03 | 11.79 | ppb |
| Sodium | 23-2 | 28.71 | 27.97 | 28.42 | 28.37 | 1.32 | ppb |
| Strontium | 86-1 | 0.19 | 0.21 | 0.21 | 0.20 | 6.69 | ppb |
| Strontium | 88-1 | 0.20 | 0.16 | 0.16 | 0.17 | 13.81 | ppb |
| Sulfur | 34-1 | -565.32 | -577.14 | -725.80 | -622.75 | | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 0.01 | 0.01 | 0.01 | 0.01 | 35.92 | ppb |
| Thallium | 205-1 | 0.01 | 0.01 | 0.01 | 0.01 | 19.10 | ppb |
| Tin | 118-1 | 0.01 | 0.02 | 0.05 | 0.03 | 90.26 | ppb |
| Titanium | 47-1 | 0.08 | 0.06 | 0.12 | 0.08 | 35.86 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB04 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB04 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:33:46 | DataFile Name : | 063CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.01 | 0.01 | 0.01 | 0.01 | 12.76 | ppb |
| Vanadium | 51-2 | 0.01 | 0.01 | 0.01 | 0.01 | 13.78 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | -0.53 | -0.66 | -0.58 | -0.59 | | ppb |
| Zirconium | 90-1 | 0.02 | 0.02 | 0.02 | 0.02 | 17.53 | ppb |
| Zirconium | 91-1 | 0.02 | 0.02 | 0.03 | 0.03 | 27.79 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-04 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:37:12 | DataFile Name : | 064SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 20272.45 | 20422.34 | 20365.26 | 20353.35 | 0.37 | ppb |
| Antimony | 121-1 | 1.04 | 1.01 | 1.06 | 1.04 | 2.32 | ppb |
| Arsenic | 75-2 | 154.36 | 158.18 | 154.49 | 155.68 | 1.40 | ppb |
| Barium | 135-1 | 1034.11 | 1033.33 | 1070.29 | 1045.91 | 2.02 | ppb |
| Barium | 137-1 | 1038.06 | 1058.92 | 1056.43 | 1051.13 | 1.08 | ppb |
| Beryllium | 9-1 | 7.17 | 7.36 | 7.38 | 7.30 | 1.55 | ppb |
| Bismuth | 209-1 | | | | 115 | | % |
| Bismuth | 209-2 | | | | 113 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 5.33 | 4.71 | 5.71 | 5.25 | 9.64 | ppb |
| Cadmium | 106-1 | 4.46 | 4.42 | 5.56 | 4.81 | 13.42 | ppb |
| Cadmium | 111-1 | 4.66 | 4.95 | 4.90 | 4.84 | 3.22 | ppb |
| Calcium | 43-1 | 5974.75 | 6172.16 | 6142.72 | 6096.54 | 1.75 | ppb |
| Calcium | 44-1 | 5863.90 | 5779.97 | 5808.53 | 5817.47 | 0.73 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 56.27 | 56.10 | 56.70 | 56.36 | 0.55 | ppb |
| Cobalt | 59-2 | 38.73 | 39.14 | 38.66 | 38.85 | 0.66 | ppb |
| Copper | 63-2 | 83.26 | 82.62 | 83.48 | 83.12 | 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 | | | | 113 | | % |
| Holmium | 165-2 | | | | 113 | | % |
| Indium | 115-1 | | | | 112 | | % |
| Indium | 115-2 | | | | 108 | | % |
| Iron | 56-2 | 55564.05 | 57200.96 | 55992.21 | 56252.41 | 1.51 | ppb |
| Iron | 57-2 | 56244.64 | 55234.93 | 56571.56 | 56017.04 | 1.24 | ppb |
| Iron | 54-2 | 56365.83 | 56146.34 | 56330.43 | 56280.86 | 0.21 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-04 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:37:12 | DataFile Name : | 064SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 260.53 | 260.12 | 264.04 | 261.57 | 0.82 | ppb |
| Lead | 207-1 | 246.82 | 245.82 | 249.36 | 247.33 | 0.74 | ppb |
| Lead | 208-1 | 268.99 | 268.38 | 271.03 | 269.47 | 0.51 | ppb |
| Lithium | 6-1 | | | | 113 | | % |
| Magnesium | 24-2 | 3302.70 | 3343.62 | 3357.06 | 3334.46 | 0.85 | ppb |
| Manganese | 55-2 | 336.22 | 341.95 | 337.68 | 338.62 | 0.88 | ppb |
| Molybdenum | 94-1 | 11.20 | 11.38 | 11.57 | 11.38 | 1.64 | ppb |
| Molybdenum | 95-1 | 3.21 | 3.14 | 3.19 | 3.18 | 1.26 | ppb |
| Molybdenum | 96-1 | 4.39 | 4.45 | 4.62 | 4.49 | 2.70 | ppb |
| Molybdenum | 97-1 | 3.10 | 3.32 | 3.27 | 3.23 | 3.54 | ppb |
| Molybdenum | 98-1 | 3.14 | 3.16 | 3.21 | 3.17 | 1.09 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 58.56 | 57.49 | 58.29 | 58.11 | 0.95 | ppb |
| Phosphorus | 31-2 | 1507.91 | 1521.92 | 1537.72 | 1522.52 | 0.98 | ppb |
| Potassium | 39-2 | 1396.35 | 1406.16 | 1396.46 | 1399.66 | 0.40 | ppb |
| Rhodium | 103-1 | | | | 111 | | % |
| Rhodium | 103-2 | | | | 110 | | % |
| Scandium | 45-1 | | | | 116 | | % |
| Scandium | 45-2 | | | | 112 | | % |
| Selenium | 82-1 | 1.55 | 2.07 | 1.82 | 1.82 | 14.39 | ppb |
| Selenium | 77-2 | 16.90 | 12.81 | 15.52 | 15.08 | 13.79 | ppb |
| Selenium | 78-2 | 2.78 | 2.68 | 3.89 | 3.12 | 21.63 | ppb |
| Silicon | 28-1 | 320.12 | 330.72 | 323.36 | 324.73 | 1.67 | ppb |
| Silver | 107-1 | 4.69 | 4.68 | 4.89 | 4.75 | 2.47 | ppb |
| Silver | 109-1 | 4.56 | 4.64 | 4.88 | 4.69 | 3.58 | ppb |
| Sodium | 23-2 | 1067.43 | 1058.00 | 1061.79 | 1062.41 | 0.45 | ppb |
| Strontium | 86-1 | 75.86 | 77.43 | 78.27 | 77.19 | 1.59 | ppb |
| Strontium | 88-1 | 77.10 | 78.23 | 79.19 | 78.17 | 1.34 | ppb |
| Sulfur | 34-1 | 19125.29 | 19388.31 | 19284.55 | 19266.05 | 0.69 | ppb |
| Terbium | 159-1 | | | | 114 | | % |
| Terbium | 159-2 | | | | 111 | | % |
| Thallium | 203-1 | 0.85 | 0.87 | 0.93 | 0.89 | 4.69 | ppb |
| Thallium | 205-1 | 0.88 | 0.89 | 0.90 | 0.89 | 1.12 | ppb |
| Tin | 118-1 | 3.57 | 3.56 | 3.75 | 3.63 | 2.99 | ppb |
| Titanium | 47-1 | 399.19 | 399.40 | 401.00 | 399.86 | 0.25 | ppb |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-04 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:37:12 | DataFile Name : | 064SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 2.12 | 2.18 | 2.15 | 2.15 | 1.37 | ppb |
| Vanadium | 51-2 | 77.44 | 77.87 | 77.04 | 77.45 | 0.54 | ppb |
| Yttrium | 89-1 | | | | 126 | | % |
| Yttrium | 89-2 | | | | 121 | | % |
| Zinc | 66-2 | 574.07 | 581.86 | 575.78 | 577.23 | 0.71 | ppb |
| Zirconium | 90-1 | 4.33 | 4.47 | 4.54 | 4.45 | 2.44 | ppb |
| Zirconium | 91-1 | 4.39 | 4.51 | 4.48 | 4.46 | 1.41 | ppb |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-05 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:40:21 | DataFile Name : | 065SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 25685.91 | 25814.91 | 25404.08 | 25634.96 | 0.82 | ppb |
| Antimony | 121-1 | 2.86 | 2.81 | 2.89 | 2.85 | 1.32 | ppb |
| Arsenic | 75-2 | 168.93 | 168.30 | 169.37 | 168.87 | 0.32 | ppb |
| Barium | 135-1 | 268.34 | 273.22 | 273.76 | 271.77 | 1.10 | ppb |
| Barium | 137-1 | 273.53 | 276.50 | 272.31 | 274.11 | 0.79 | ppb |
| Beryllium | 9-1 | 4.54 | 4.66 | 4.81 | 4.67 | 2.92 | ppb |
| Bismuth | 209-1 | | | | 114 | | % |
| Bismuth | 209-2 | | | | 111 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 10.83 | 9.98 | 10.18 | 10.33 | 4.29 | ppb |
| Cadmium | 106-1 | 16.37 | 14.52 | 14.66 | 15.18 | 6.77 | ppb |
| Cadmium | 111-1 | 10.57 | 10.32 | 10.51 | 10.46 | 1.26 | ppb |
| Calcium | 43-1 | 14524.25 | 14422.66 | 14796.56 | 14581.16 | 1.33 | ppb |
| Calcium | 44-1 | 13502.12 | 13811.84 | 13885.47 | 13733.14 | 1.48 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 67.30 | 66.33 | 66.54 | 66.72 | 0.76 | ppb |
| Cobalt | 59-2 | 197.05 | 197.04 | 196.18 | 196.76 | 0.25 | ppb |
| Copper | 63-2 | 206.25 | 203.33 | 203.20 | 204.26 | 0.84 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 115 | | % |
| Holmium | 165-2 | | | | 114 | | % |
| Indium | 115-1 | | | | 111 | | % |
| Indium | 115-2 | | | | 110 | | % |
| Iron | 56-2 | 114708.03 | 113937.63 | 114709.66 | 114451.77 | 0.39 | ppb |
| Iron | 57-2 | 113107.83 | 113126.32 | 111704.21 | 112646.12 | 0.72 | ppb |
| Iron | 54-2 | 115585.99 | 113130.82 | 115037.78 | 114584.86 | 1.12 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-05 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:40:21 | DataFile Name : | 065SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 564.18 | 577.88 | 567.01 | 569.69 | 1.27 | ppb |
| Lead | 207-1 | 544.81 | 563.11 | 532.16 | 546.69 | 2.85 | ppb |
| Lead | 208-1 | 553.64 | 562.04 | 548.49 | 554.73 | 1.23 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 5356.40 | 5325.48 | 5369.74 | 5350.54 | 0.42 | ppb |
| Manganese | 55-2 | 551.79 | 548.42 | 554.31 | 551.51 | 0.54 | ppb |
| Molybdenum | 94-1 | 23.62 | 23.62 | 23.25 | 23.50 | 0.92 | ppb |
| Molybdenum | 95-1 | 12.88 | 12.65 | 12.71 | 12.74 | 0.94 | ppb |
| Molybdenum | 96-1 | 14.50 | 14.80 | 13.96 | 14.42 | 2.94 | ppb |
| Molybdenum | 97-1 | 13.14 | 13.02 | 12.74 | 12.97 | 1.58 | ppb |
| Molybdenum | 98-1 | 12.58 | 12.62 | 12.58 | 12.59 | 0.17 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 74.62 | 75.27 | 75.24 | 75.04 | 0.49 | ppb |
| Phosphorus | 31-2 | 1509.41 | 1495.57 | 1526.09 | 1510.35 | 1.01 | ppb |
| Potassium | 39-2 | 1429.88 | 1415.28 | 1436.54 | 1427.23 | 0.76 | ppb |
| Rhodium | 103-1 | | | | 110 | | % |
| Rhodium | 103-2 | | | | 110 | | % |
| Scandium | 45-1 | | | | 119 | | % |
| Scandium | 45-2 | | | | 113 | | % |
| Selenium | 82-1 | 3.42 | 3.88 | 3.86 | 3.72 | 6.98 | ppb |
| Selenium | 77-2 | 45.01 | 44.68 | 47.33 | 45.67 | 3.15 | ppb |
| Selenium | 78-2 | 9.00 | 9.33 | 7.24 | 8.52 | 13.20 | ppb |
| Silicon | 28-1 | 393.59 | 381.77 | 399.78 | 391.71 | 2.34 | ppb |
| Silver | 107-1 | 115.59 | 115.84 | 116.89 | 116.11 | 0.59 | ppb |
| Silver | 109-1 | 115.23 | 117.00 | 116.38 | 116.20 | 0.77 | ppb |
| Sodium | 23-2 | 2070.44 | 2026.89 | 2047.26 | 2048.20 | 1.06 | ppb |
| Strontium | 86-1 | 82.01 | 82.91 | 81.20 | 82.04 | 1.05 | ppb |
| Strontium | 88-1 | 84.09 | 82.43 | 82.13 | 82.88 | 1.27 | ppb |
| Sulfur | 34-1 | 50296.14 | 48092.45 | 50243.01 | 49543.87 | 2.54 | ppb |
| Terbium | 159-1 | | | | 114 | | % |
| Terbium | 159-2 | | | | 112 | | % |
| Thallium | 203-1 | 0.73 | 0.75 | 0.72 | 0.73 | 2.45 | ppb |
| Thallium | 205-1 | 0.72 | 0.75 | 0.73 | 0.73 | 2.37 | ppb |
| Tin | 118-1 | 7.71 | 7.75 | 7.81 | 7.76 | 0.69 | ppb |
| Titanium | 47-1 | 456.98 | 457.83 | 467.41 | 460.74 | 1.26 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-05 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:40:21 | DataFile Name : | 065SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 5.44 | 5.78 | 5.39 | 5.54 | 3.78 | ppb |
| Vanadium | 51-2 | 170.73 | 168.40 | 168.58 | 169.24 | 0.76 | ppb |
| Yttrium | 89-1 | | | | 165 | | % |
| Yttrium | 89-2 | | | | 160 | | % |
| Zinc | 66-2 | 1419.51 | 1384.34 | 1398.18 | 1400.68 | 1.26 | ppb |
| Zirconium | 90-1 | 6.74 | 7.01 | 6.83 | 6.86 | 2.00 | ppb |
| Zirconium | 91-1 | 6.65 | 6.94 | 6.68 | 6.76 | 2.39 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-05DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:48:23 | DataFile Name : | 067SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5263.53 | 5358.46 | 5317.05 | 5313.01 | 0.90 | ppb |
| Antimony | 121-1 | 0.57 | 0.57 | 0.58 | 0.57 | 1.63 | ppb |
| Arsenic | 75-2 | 43.60 | 42.74 | 44.19 | 43.51 | 1.67 | ppb |
| Barium | 135-1 | 53.92 | 53.50 | 56.56 | 54.66 | 3.03 | ppb |
| Barium | 137-1 | 53.80 | 55.04 | 55.96 | 54.93 | 1.97 | ppb |
| Beryllium | 9-1 | 1.01 | 0.98 | 1.04 | 1.01 | 3.27 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.73 | 2.12 | 2.03 | 1.96 | 10.26 | ppb |
| Cadmium | 106-1 | -0.10 | 0.93 | 0.49 | 0.44 | 116.34 | ppb |
| Cadmium | 111-1 | 1.91 | 1.98 | 1.97 | 1.95 | 1.89 | ppb |
| Calcium | 43-1 | 2848.74 | 3095.44 | 2979.45 | 2974.54 | 4.15 | ppb |
| Calcium | 44-1 | 2853.80 | 2996.56 | 2966.84 | 2939.07 | 2.56 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 13.17 | 13.19 | 13.23 | 13.20 | 0.23 | ppb |
| Cobalt | 59-2 | 40.01 | 40.51 | 40.23 | 40.25 | 0.63 | ppb |
| Copper | 63-2 | 41.84 | 41.53 | 40.87 | 41.41 | 1.19 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 108 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 110 | | % |
| Indium | 115-2 | | | | 106 | | % |
| Iron | 56-2 | 23145.99 | 23131.75 | 23128.09 | 23135.28 | 0.04 | ppb |
| Iron | 57-2 | 23929.56 | 24046.49 | 23647.48 | 23874.51 | 0.86 | ppb |
| Iron | 54-2 | 23527.86 | 22874.26 | 22996.79 | 23132.97 | 1.50 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-05DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:48:23 | DataFile Name : | 067SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 100.99 | 100.63 | 104.61 | 102.08 | 2.16 | ppb |
| Lead | 207-1 | 94.24 | 96.87 | 97.81 | 96.31 | 1.92 | ppb |
| Lead | 208-1 | 96.41 | 98.48 | 99.65 | 98.18 | 1.67 | ppb |
| Lithium | 6-1 | | | | 100 | | % |
| Magnesium | 24-2 | 1115.57 | 1114.54 | 1117.61 | 1115.91 | 0.14 | ppb |
| Manganese | 55-2 | 111.54 | 112.77 | 111.85 | 112.05 | 0.57 | ppb |
| Molybdenum | 94-1 | 6.32 | 6.44 | 6.11 | 6.29 | 2.68 | ppb |
| Molybdenum | 95-1 | 3.48 | 3.35 | 3.40 | 3.41 | 1.99 | ppb |
| Molybdenum | 96-1 | 3.91 | 3.93 | 3.81 | 3.88 | 1.71 | ppb |
| Molybdenum | 97-1 | 3.34 | 3.43 | 3.35 | 3.37 | 1.41 | ppb |
| Molybdenum | 98-1 | 3.41 | 3.37 | 3.36 | 3.38 | 0.73 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 14.91 | 15.14 | 14.71 | 14.92 | 1.42 | ppb |
| Phosphorus | 31-2 | 286.58 | 291.08 | 284.98 | 287.55 | 1.10 | ppb |
| Potassium | 39-2 | 279.33 | 285.49 | 280.16 | 281.66 | 1.19 | ppb |
| Rhodium | 103-1 | | | | 109 | | % |
| Rhodium | 103-2 | | | | 107 | | % |
| Scandium | 45-1 | | | | 112 | | % |
| Scandium | 45-2 | | | | 109 | | % |
| Selenium | 82-1 | 0.78 | 0.82 | 1.01 | 0.87 | 13.98 | ppb |
| Selenium | 77-2 | 13.17 | 11.98 | 12.81 | 12.65 | 4.84 | ppb |
| Selenium | 78-2 | 2.05 | 2.48 | 2.62 | 2.38 | 12.64 | ppb |
| Silicon | 28-1 | 76.07 | 77.22 | 78.44 | 77.24 | 1.53 | ppb |
| Silver | 107-1 | 23.17 | 23.37 | 24.20 | 23.58 | 2.33 | ppb |
| Silver | 109-1 | 23.18 | 23.61 | 24.05 | 23.61 | 1.84 | ppb |
| Sodium | 23-2 | 409.41 | 416.81 | 416.86 | 414.36 | 1.03 | ppb |
| Strontium | 86-1 | 21.32 | 22.07 | 21.68 | 21.69 | 1.74 | ppb |
| Strontium | 88-1 | 21.03 | 21.59 | 21.61 | 21.41 | 1.53 | ppb |
| Sulfur | 34-1 | 8494.07 | 8852.23 | 9021.75 | 8789.35 | 3.07 | ppb |
| Terbium | 159-1 | | | | 108 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 0.15 | 0.16 | 0.15 | 0.15 | 2.99 | ppb |
| Thallium | 205-1 | 0.15 | 0.14 | 0.14 | 0.15 | 4.37 | ppb |
| Tin | 118-1 | 1.45 | 1.52 | 1.60 | 1.52 | 4.99 | ppb |
| Titanium | 47-1 | 88.97 | 96.28 | 92.36 | 92.53 | 3.95 | ppb |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-05DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:48:23 | DataFile Name : | 067SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.04 | 1.10 | 1.10 | 1.08 | 3.18 | ppb |
| Vanadium | 51-2 | 33.96 | 34.20 | 33.53 | 33.90 | 0.99 | ppb |
| Yttrium | 89-1 | | | | 117 | | % |
| Yttrium | 89-2 | | | | 117 | | % |
| Zinc | 66-2 | 276.00 | 276.72 | 276.34 | 276.35 | 0.13 | ppb |
| Zirconium | 90-1 | 1.85 | 1.77 | 1.88 | 1.83 | 3.15 | ppb |
| Zirconium | 91-1 | 1.86 | 1.94 | 1.81 | 1.87 | 3.45 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-06 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:51:39 | DataFile Name : | 068SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 13285.72 | 13428.14 | 13666.13 | 13460.00 | 1.43 | ppb |
| Antimony | 121-1 | 0.51 | 0.50 | 0.55 | 0.52 | 4.72 | ppb |
| Arsenic | 75-2 | 51.43 | 52.34 | 54.06 | 52.61 | 2.54 | ppb |
| Barium | 135-1 | 85.70 | 86.43 | 87.17 | 86.43 | 0.85 | ppb |
| Barium | 137-1 | 87.23 | 86.61 | 87.64 | 87.16 | 0.59 | ppb |
| Beryllium | 9-1 | 3.27 | 3.09 | 3.11 | 3.16 | 3.04 | ppb |
| Bismuth | 209-1 | | | | 114 | | % |
| Bismuth | 209-2 | | | | 112 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.97 | 1.91 | 2.45 | 2.44 | 21.65 | ppb |
| Cadmium | 106-1 | 5.53 | 3.16 | 3.79 | 4.16 | 29.54 | ppb |
| Cadmium | 111-1 | 1.84 | 1.71 | 1.81 | 1.78 | 3.92 | ppb |
| Calcium | 43-1 | 3135.67 | 3178.91 | 3130.39 | 3148.32 | 0.85 | ppb |
| Calcium | 44-1 | 3177.31 | 3183.32 | 3148.36 | 3169.66 | 0.59 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 40.26 | 40.70 | 40.80 | 40.58 | 0.71 | ppb |
| Cobalt | 59-2 | 74.27 | 74.75 | 75.10 | 74.71 | 0.56 | ppb |
| Copper | 63-2 | 31.22 | 32.24 | 32.26 | 31.91 | 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 | | | | 114 | | % |
| Holmium | 165-2 | | | | 113 | | % |
| Indium | 115-1 | | | | 112 | | % |
| Indium | 115-2 | | | | 109 | | % |
| Iron | 56-2 | 25758.31 | 25768.71 | 25575.25 | 25700.76 | 0.42 | ppb |
| Iron | 57-2 | 25852.81 | 25661.07 | 26074.44 | 25862.77 | 0.80 | ppb |
| Iron | 54-2 | 25883.42 | 26513.95 | 26172.33 | 26189.90 | 1.21 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-06 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:51:39 | DataFile Name : | 068SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 80.36 | 82.00 | 80.26 | 80.87 | 1.21 | ppb |
| Lead | 207-1 | 77.13 | 78.43 | 77.28 | 77.61 | 0.91 | ppb |
| Lead | 208-1 | 79.04 | 80.30 | 78.67 | 79.34 | 1.08 | ppb |
| Lithium | 6-1 | | | | 107 | | % |
| Magnesium | 24-2 | 1493.42 | 1496.83 | 1522.41 | 1504.22 | 1.05 | ppb |
| Manganese | 55-2 | 99.31 | 100.20 | 100.57 | 100.03 | 0.65 | ppb |
| Molybdenum | 94-1 | 13.17 | 13.50 | 13.44 | 13.37 | 1.28 | ppb |
| Molybdenum | 95-1 | 6.33 | 6.53 | 6.37 | 6.41 | 1.62 | ppb |
| Molybdenum | 96-1 | 7.13 | 7.51 | 7.38 | 7.34 | 2.69 | ppb |
| Molybdenum | 97-1 | 6.28 | 6.64 | 6.50 | 6.47 | 2.79 | ppb |
| Molybdenum | 98-1 | 6.41 | 6.50 | 6.47 | 6.46 | 0.69 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 19.99 | 20.36 | 20.62 | 20.32 | 1.56 | ppb |
| Phosphorus | 31-2 | 986.57 | 1025.71 | 1046.02 | 1019.43 | 2.96 | ppb |
| Potassium | 39-2 | 1048.98 | 1067.91 | 1058.14 | 1058.34 | 0.89 | ppb |
| Rhodium | 103-1 | | | | 112 | | % |
| Rhodium | 103-2 | | | | 109 | | % |
| Scandium | 45-1 | | | | 116 | | % |
| Scandium | 45-2 | | | | 110 | | % |
| Selenium | 82-1 | 1.28 | 1.96 | 2.26 | 1.83 | 27.32 | ppb |
| Selenium | 77-2 | 41.55 | 35.54 | 37.76 | 38.28 | 7.93 | ppb |
| Selenium | 78-2 | 4.31 | 8.27 | 5.72 | 6.10 | 32.93 | ppb |
| Silicon | 28-1 | 262.33 | 261.18 | 259.81 | 261.11 | 0.48 | ppb |
| Silver | 107-1 | 0.32 | 0.28 | 0.36 | 0.32 | 11.83 | ppb |
| Silver | 109-1 | 0.25 | 0.27 | 0.29 | 0.27 | 6.30 | ppb |
| Sodium | 23-2 | 653.71 | 669.41 | 671.07 | 664.73 | 1.44 | ppb |
| Strontium | 86-1 | 19.91 | 20.21 | 20.16 | 20.09 | 0.81 | ppb |
| Strontium | 88-1 | 19.82 | 20.12 | 20.08 | 20.01 | 0.81 | ppb |
| Sulfur | 34-1 | 5150.52 | 5194.33 | 4868.72 | 5071.19 | 3.48 | ppb |
| Terbium | 159-1 | | | | 112 | | % |
| Terbium | 159-2 | | | | 110 | | % |
| Thallium | 203-1 | 1.33 | 1.26 | 1.24 | 1.28 | 3.78 | ppb |
| Thallium | 205-1 | 1.25 | 1.28 | 1.24 | 1.25 | 1.64 | ppb |
| Tin | 118-1 | 16.26 | 16.20 | 16.34 | 16.27 | 0.44 | ppb |
| Titanium | 47-1 | 322.69 | 325.98 | 325.18 | 324.62 | 0.53 | ppb |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-06 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:51:39 | DataFile Name : | 068SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 3.58 | 3.64 | 3.58 | 3.60 | 0.88 | ppb |
| Vanadium | 51-2 | 41.29 | 41.76 | 41.78 | 41.61 | 0.67 | ppb |
| Yttrium | 89-1 | | | | 136 | | % |
| Yttrium | 89-2 | | | | 133 | | % |
| Zinc | 66-2 | 888.83 | 901.33 | 906.58 | 898.91 | 1.01 | ppb |
| Zirconium | 90-1 | 4.15 | 4.23 | 4.08 | 4.15 | 1.72 | ppb |
| Zirconium | 91-1 | 4.18 | 4.12 | 4.08 | 4.13 | 1.24 | ppb |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-06DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:54:50 | DataFile Name : | 069SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2754.80 | 2728.79 | 2752.54 | 2745.38 | 0.52 | ppb |
| Antimony | 121-1 | 0.11 | 0.12 | 0.11 | 0.11 | 5.85 | ppb |
| Arsenic | 75-2 | 11.86 | 11.32 | 11.85 | 11.68 | 2.62 | ppb |
| Barium | 135-1 | 16.51 | 16.90 | 17.35 | 16.92 | 2.46 | ppb |
| Barium | 137-1 | 16.96 | 17.13 | 17.49 | 17.19 | 1.59 | ppb |
| Beryllium | 9-1 | 0.64 | 0.62 | 0.58 | 0.61 | 5.02 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.56 | 0.87 | 0.35 | 0.59 | 44.16 | ppb |
| Cadmium | 106-1 | -0.62 | -0.67 | -0.81 | -0.70 | | ppb |
| Cadmium | 111-1 | 0.23 | 0.20 | 0.22 | 0.21 | 8.13 | ppb |
| Calcium | 43-1 | 621.06 | 656.44 | 605.62 | 627.71 | 4.15 | ppb |
| Calcium | 44-1 | 635.94 | 620.29 | 601.57 | 619.27 | 2.78 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 7.89 | 7.59 | 7.75 | 7.74 | 1.95 | ppb |
| Cobalt | 59-2 | 15.08 | 14.84 | 14.85 | 14.92 | 0.93 | ppb |
| Copper | 63-2 | 6.50 | 6.08 | 6.39 | 6.32 | 3.44 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 106 | | % |
| Holmium | 165-2 | | | | 109 | | % |
| Indium | 115-1 | | | | 106 | | % |
| Indium | 115-2 | | | | 106 | | % |
| Iron | 56-2 | 5087.07 | 5139.02 | 5109.43 | 5111.84 | 0.51 | ppb |
| Iron | 57-2 | 5343.69 | 5285.09 | 5304.77 | 5311.18 | 0.56 | ppb |
| Iron | 54-2 | 5390.20 | 5329.65 | 5417.73 | 5379.19 | 0.84 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-06DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:54:50 | DataFile Name : | 069SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 16.36 | 16.49 | 16.12 | 16.32 | 1.16 | ppb |
| Lead | 207-1 | 15.79 | 16.11 | 15.16 | 15.69 | 3.07 | ppb |
| Lead | 208-1 | 15.99 | 16.10 | 15.35 | 15.81 | 2.56 | ppb |
| Lithium | 6-1 | | | | 101 | | % |
| Magnesium | 24-2 | 299.73 | 295.90 | 292.67 | 296.10 | 1.19 | ppb |
| Manganese | 55-2 | 19.61 | 19.05 | 19.55 | 19.40 | 1.59 | ppb |
| Molybdenum | 94-1 | 3.03 | 3.00 | 2.91 | 2.98 | 2.06 | ppb |
| Molybdenum | 95-1 | 1.47 | 1.52 | 1.48 | 1.49 | 1.70 | ppb |
| Molybdenum | 96-1 | 1.67 | 1.68 | 1.68 | 1.68 | 0.33 | ppb |
| Molybdenum | 97-1 | 1.48 | 1.45 | 1.51 | 1.48 | 2.14 | ppb |
| Molybdenum | 98-1 | 1.46 | 1.55 | 1.53 | 1.51 | 2.96 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 3.95 | 3.94 | 3.94 | 3.94 | 0.22 | ppb |
| Phosphorus | 31-2 | 194.27 | 215.47 | 188.42 | 199.39 | 7.14 | ppb |
| Potassium | 39-2 | 201.17 | 202.04 | 201.43 | 201.55 | 0.22 | ppb |
| Rhodium | 103-1 | | | | 108 | | % |
| Rhodium | 103-2 | | | | 109 | | % |
| Scandium | 45-1 | | | | 107 | | % |
| Scandium | 45-2 | | | | 106 | | % |
| Selenium | 82-1 | 1.45 | 1.13 | 1.18 | 1.25 | 13.74 | ppb |
| Selenium | 77-2 | 10.29 | 5.74 | 8.23 | 8.08 | 28.18 | ppb |
| Selenium | 78-2 | 3.51 | 1.32 | 1.33 | 2.05 | 61.30 | ppb |
| Silicon | 28-1 | 54.18 | 52.02 | 51.34 | 52.51 | 2.83 | ppb |
| Silver | 107-1 | 0.06 | 0.07 | 0.06 | 0.06 | 9.54 | ppb |
| Silver | 109-1 | 0.06 | 0.05 | 0.06 | 0.06 | 13.37 | ppb |
| Sodium | 23-2 | 137.11 | 134.13 | 136.79 | 136.01 | 1.20 | ppb |
| Strontium | 86-1 | 4.48 | 4.60 | 4.67 | 4.59 | 2.09 | ppb |
| Strontium | 88-1 | 4.50 | 4.61 | 4.53 | 4.55 | 1.22 | ppb |
| Sulfur | 34-1 | -389.36 | -482.69 | -707.63 | -526.56 | | ppb |
| Terbium | 159-1 | | | | 107 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 0.26 | 0.26 | 0.26 | 0.26 | 1.43 | ppb |
| Thallium | 205-1 | 0.26 | 0.26 | 0.25 | 0.26 | 2.13 | ppb |
| Tin | 118-1 | 3.13 | 3.23 | 3.08 | 3.15 | 2.38 | ppb |
| Titanium | 47-1 | 68.44 | 66.86 | 64.94 | 66.75 | 2.63 | ppb |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-06DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:54:50 | DataFile Name : | 069SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.72 | 0.71 | 0.71 | 0.72 | 1.01 | ppb |
| Vanadium | 51-2 | 8.31 | 8.48 | 8.52 | 8.44 | 1.32 | ppb |
| Yttrium | 89-1 | | | | 110 | | % |
| Yttrium | 89-2 | | | | 113 | | % |
| Zinc | 66-2 | 175.60 | 175.07 | 175.41 | 175.36 | 0.15 | ppb |
| Zirconium | 90-1 | 0.91 | 0.95 | 0.94 | 0.93 | 2.10 | ppb |
| Zirconium | 91-1 | 0.91 | 0.96 | 0.92 | 0.93 | 2.61 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-07 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:58:07 | DataFile Name : | 070SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 11896.15 | 12268.42 | 11976.65 | 12047.07 | 1.63 | ppb |
| Antimony | 121-1 | 0.33 | 0.34 | 0.31 | 0.33 | 3.78 | ppb |
| Arsenic | 75-2 | 8.15 | 7.87 | 7.99 | 8.01 | 1.72 | ppb |
| Barium | 135-1 | 56.04 | 56.08 | 57.35 | 56.49 | 1.32 | ppb |
| Barium | 137-1 | 56.99 | 57.84 | 55.90 | 56.91 | 1.71 | ppb |
| Beryllium | 9-1 | 1.20 | 1.05 | 1.03 | 1.09 | 8.64 | ppb |
| Bismuth | 209-1 | | | | 110 | | % |
| Bismuth | 209-2 | | | | 111 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.81 | 0.89 | 0.79 | 0.83 | 6.57 | ppb |
| Cadmium | 106-1 | 5.79 | 5.63 | 5.00 | 5.47 | 7.66 | ppb |
| Cadmium | 111-1 | 1.03 | 1.00 | 0.90 | 0.98 | 7.16 | ppb |
| Calcium | 43-1 | 2689.29 | 2739.69 | 2613.83 | 2680.94 | 2.36 | ppb |
| Calcium | 44-1 | 2679.51 | 2728.59 | 2761.43 | 2723.18 | 1.51 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 32.28 | 32.36 | 32.29 | 32.31 | 0.14 | ppb |
| Cobalt | 59-2 | 36.05 | 36.75 | 36.08 | 36.29 | 1.09 | ppb |
| Copper | 63-2 | 44.00 | 44.28 | 44.19 | 44.16 | 0.33 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 112 | | % |
| Holmium | 165-2 | | | | 113 | | % |
| Indium | 115-1 | | | | 109 | | % |
| Indium | 115-2 | | | | 108 | | % |
| Iron | 56-2 | 18933.17 | 18808.38 | 19007.58 | 18916.38 | 0.53 | ppb |
| Iron | 57-2 | 19593.84 | 19700.84 | 19771.28 | 19688.65 | 0.45 | ppb |
| Iron | 54-2 | 19039.97 | 19443.71 | 19176.05 | 19219.91 | 1.07 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-07 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:58:07 | DataFile Name : | 070SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 46.17 | 44.85 | 44.54 | 45.19 | 1.92 | ppb |
| Lead | 207-1 | 43.51 | 42.82 | 41.60 | 42.64 | 2.27 | ppb |
| Lead | 208-1 | 44.49 | 43.87 | 43.08 | 43.81 | 1.61 | ppb |
| Lithium | 6-1 | | | | 108 | | % |
| Magnesium | 24-2 | 3098.68 | 3084.77 | 3137.27 | 3106.90 | 0.88 | ppb |
| Manganese | 55-2 | 433.25 | 435.71 | 432.74 | 433.90 | 0.37 | ppb |
| Molybdenum | 94-1 | 6.85 | 6.85 | 6.79 | 6.83 | 0.50 | ppb |
| Molybdenum | 95-1 | 0.51 | 0.51 | 0.52 | 0.52 | 0.79 | ppb |
| Molybdenum | 96-1 | 1.37 | 1.34 | 1.29 | 1.33 | 2.70 | ppb |
| Molybdenum | 97-1 | 0.55 | 0.51 | 0.52 | 0.53 | 4.52 | ppb |
| Molybdenum | 98-1 | 0.51 | 0.53 | 0.51 | 0.52 | 2.18 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 22.19 | 22.35 | 22.02 | 22.19 | 0.75 | ppb |
| Phosphorus | 31-2 | 410.33 | 412.80 | 397.83 | 406.99 | 1.97 | ppb |
| Potassium | 39-2 | 1251.83 | 1256.29 | 1274.75 | 1260.95 | 0.96 | ppb |
| Rhodium | 103-1 | | | | 109 | | % |
| Rhodium | 103-2 | | | | 108 | | % |
| Scandium | 45-1 | | | | 113 | | % |
| Scandium | 45-2 | | | | 109 | | % |
| Selenium | 82-1 | 2.96 | 3.56 | 3.43 | 3.32 | 9.57 | ppb |
| Selenium | 77-2 | 73.34 | 71.25 | 71.87 | 72.15 | 1.49 | ppb |
| Selenium | 78-2 | 12.22 | 11.89 | 12.59 | 12.23 | 2.87 | ppb |
| Silicon | 28-1 | 261.76 | 278.06 | 290.39 | 276.74 | 5.19 | ppb |
| Silver | 107-1 | 0.94 | 1.01 | 1.00 | 0.98 | 3.96 | ppb |
| Silver | 109-1 | 0.96 | 0.98 | 0.99 | 0.98 | 1.75 | ppb |
| Sodium | 23-2 | 983.68 | 983.65 | 997.74 | 988.36 | 0.82 | ppb |
| Strontium | 86-1 | 13.66 | 13.92 | 13.21 | 13.60 | 2.66 | ppb |
| Strontium | 88-1 | 13.46 | 13.55 | 13.19 | 13.40 | 1.37 | ppb |
| Sulfur | 34-1 | -197.05 | -274.11 | -240.53 | -237.23 | | ppb |
| Terbium | 159-1 | | | | 111 | | % |
| Terbium | 159-2 | | | | 110 | | % |
| Thallium | 203-1 | 0.34 | 0.32 | 0.31 | 0.32 | 5.08 | ppb |
| Thallium | 205-1 | 0.32 | 0.33 | 0.32 | 0.32 | 1.93 | ppb |
| Tin | 118-1 | 3.16 | 3.21 | 3.16 | 3.17 | 0.83 | ppb |
| Titanium | 47-1 | 283.16 | 275.16 | 276.79 | 278.37 | 1.52 | ppb |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-07 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:58:07 | DataFile Name : | 070SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.75 | 1.76 | 1.63 | 1.71 | 4.07 | ppb |
| Vanadium | 51-2 | 34.62 | 34.71 | 34.95 | 34.76 | 0.48 | ppb |
| Yttrium | 89-1 | | | | 156 | | % |
| Yttrium | 89-2 | | | | 154 | | % |
| Zinc | 66-2 | 118.76 | 119.31 | 121.83 | 119.97 | 1.37 | ppb |
| Zirconium | 90-1 | 3.36 | 3.32 | 3.31 | 3.33 | 0.74 | ppb |
| Zirconium | 91-1 | 3.32 | 3.30 | 3.25 | 3.29 | 0.99 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-07DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:01:20 | DataFile Name : | 071SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2465.41 | 2451.76 | 2421.66 | 2446.27 | 0.92 | ppb |
| Antimony | 121-1 | 0.06 | 0.06 | 0.07 | 0.06 | 9.21 | ppb |
| Arsenic | 75-2 | 2.16 | 1.88 | 2.23 | 2.09 | 8.81 | ppb |
| Barium | 135-1 | 10.70 | 11.33 | 10.80 | 10.94 | 3.11 | ppb |
| Barium | 137-1 | 11.37 | 11.40 | 11.01 | 11.26 | 1.95 | ppb |
| Beryllium | 9-1 | 0.28 | 0.19 | 0.20 | 0.22 | 22.80 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.13 | 0.19 | 0.12 | 0.14 | 25.29 | ppb |
| Cadmium | 106-1 | -0.84 | -0.67 | -1.37 | -0.96 | | ppb |
| Cadmium | 111-1 | 0.05 | 0.08 | -0.03 | 0.04 | 151.38 | ppb |
| Calcium | 43-1 | 524.92 | 500.89 | 531.13 | 518.98 | 3.08 | ppb |
| Calcium | 44-1 | 504.74 | 526.27 | 513.36 | 514.79 | 2.10 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 6.40 | 6.06 | 6.06 | 6.17 | 3.23 | ppb |
| Cobalt | 59-2 | 7.36 | 7.18 | 7.39 | 7.31 | 1.55 | ppb |
| Copper | 63-2 | 8.60 | 8.47 | 8.77 | 8.62 | 1.74 | 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 | | | | 104 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 106 | | % |
| Indium | 115-2 | | | | 104 | | % |
| Iron | 56-2 | 3841.58 | 3807.35 | 3717.92 | 3788.95 | 1.69 | ppb |
| Iron | 57-2 | 3943.59 | 3940.24 | 3910.31 | 3931.38 | 0.47 | ppb |
| Iron | 54-2 | 4005.19 | 3989.45 | 3941.10 | 3978.58 | 0.84 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-07DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:01:20 | DataFile Name : | 071SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 8.51 | 8.52 | 8.95 | 8.66 | 2.88 | ppb |
| Lead | 207-1 | 7.97 | 8.05 | 8.28 | 8.10 | 2.00 | ppb |
| Lead | 208-1 | 8.40 | 8.15 | 8.51 | 8.35 | 2.19 | ppb |
| Lithium | 6-1 | | | | 104 | | % |
| Magnesium | 24-2 | 626.45 | 612.55 | 607.71 | 615.57 | 1.58 | ppb |
| Manganese | 55-2 | 86.63 | 84.94 | 85.40 | 85.65 | 1.02 | ppb |
| Molybdenum | 94-1 | 1.75 | 1.63 | 1.70 | 1.69 | 3.72 | ppb |
| Molybdenum | 95-1 | 0.11 | 0.14 | 0.11 | 0.12 | 18.03 | ppb |
| Molybdenum | 96-1 | 0.31 | 0.35 | 0.32 | 0.33 | 7.61 | ppb |
| Molybdenum | 97-1 | 0.08 | 0.11 | 0.12 | 0.10 | 18.72 | ppb |
| Molybdenum | 98-1 | 0.11 | 0.13 | 0.10 | 0.12 | 10.44 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 4.62 | 4.50 | 4.48 | 4.53 | 1.65 | ppb |
| Phosphorus | 31-2 | 74.39 | 65.94 | 55.35 | 65.23 | 14.62 | ppb |
| Potassium | 39-2 | 246.09 | 239.91 | 247.43 | 244.48 | 1.64 | ppb |
| Rhodium | 103-1 | | | | 106 | | % |
| Rhodium | 103-2 | | | | 105 | | % |
| Scandium | 45-1 | | | | 107 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 1.62 | 1.38 | 1.39 | 1.46 | 9.05 | ppb |
| Selenium | 77-2 | 17.28 | 21.38 | 20.34 | 19.67 | 10.82 | ppb |
| Selenium | 78-2 | 3.07 | 3.98 | 3.09 | 3.38 | 15.31 | ppb |
| Silicon | 28-1 | 53.56 | 55.69 | 52.32 | 53.86 | 3.17 | ppb |
| Silver | 107-1 | 0.25 | 0.25 | 0.22 | 0.24 | 6.90 | ppb |
| Silver | 109-1 | 0.24 | 0.25 | 0.24 | 0.24 | 2.30 | ppb |
| Sodium | 23-2 | 202.04 | 200.23 | 198.45 | 200.24 | 0.90 | ppb |
| Strontium | 86-1 | 3.38 | 3.41 | 3.28 | 3.36 | 1.99 | ppb |
| Strontium | 88-1 | 3.50 | 3.42 | 3.38 | 3.43 | 1.87 | ppb |
| Sulfur | 34-1 | -1840.44 | -1812.42 | -1750.77 | -1801.21 | | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 0.07 | 0.06 | 0.06 | 0.06 | 11.03 | ppb |
| Thallium | 205-1 | 0.06 | 0.06 | 0.06 | 0.06 | 4.27 | ppb |
| Tin | 118-1 | 0.52 | 0.57 | 0.53 | 0.54 | 4.96 | ppb |
| Titanium | 47-1 | 54.16 | 54.56 | 56.27 | 55.00 | 2.04 | ppb |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-07DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:01:20 | DataFile Name : | 071SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.33 | 0.33 | 0.35 | 0.34 | 3.18 | ppb |
| Vanadium | 51-2 | 6.97 | 6.90 | 6.86 | 6.91 | 0.77 | ppb |
| Yttrium | 89-1 | | | | 113 | | % |
| Yttrium | 89-2 | | | | 114 | | % |
| Zinc | 66-2 | 22.65 | 22.57 | 23.03 | 22.75 | 1.07 | ppb |
| Zirconium | 90-1 | 0.85 | 0.85 | 0.85 | 0.85 | 0.26 | ppb |
| Zirconium | 91-1 | 0.87 | 0.83 | 0.89 | 0.86 | 3.09 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:04:37 | DataFile Name : | 072SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 16100.14 | 15861.56 | 16144.12 | 16035.27 | 0.95 | ppb |
| Antimony | 121-1 | 0.07 | 0.07 | 0.09 | 0.08 | 10.69 | ppb |
| Arsenic | 75-2 | 3.60 | 3.73 | 3.63 | 3.66 | 1.86 | ppb |
| Barium | 135-1 | 73.59 | 69.97 | 68.95 | 70.83 | 3.44 | ppb |
| Barium | 137-1 | 74.54 | 72.27 | 71.42 | 72.74 | 2.22 | ppb |
| Beryllium | 9-1 | 0.88 | 0.86 | 0.85 | 0.86 | 2.19 | ppb |
| Bismuth | 209-1 | | | | 112 | | % |
| Bismuth | 209-2 | | | | 111 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.96 | 0.97 | 0.64 | 0.86 | 21.60 | ppb |
| Cadmium | 106-1 | 2.39 | 4.17 | 1.64 | 2.73 | 47.51 | ppb |
| Cadmium | 111-1 | 0.24 | 0.34 | 0.19 | 0.25 | 29.88 | ppb |
| Calcium | 43-1 | 1328.66 | 1404.36 | 1397.19 | 1376.73 | 3.04 | ppb |
| Calcium | 44-1 | 1368.82 | 1377.24 | 1394.02 | 1380.03 | 0.93 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 49.13 | 49.12 | 49.30 | 49.19 | 0.21 | ppb |
| Cobalt | 59-2 | 5.72 | 5.60 | 5.65 | 5.65 | 1.04 | ppb |
| Copper | 63-2 | 31.17 | 31.44 | 31.25 | 31.29 | 0.44 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 112 | | % |
| Holmium | 165-2 | | | | 113 | | % |
| Indium | 115-1 | | | | 110 | | % |
| Indium | 115-2 | | | | 107 | | % |
| Iron | 56-2 | 14584.16 | 14691.17 | 14243.01 | 14506.11 | 1.61 | ppb |
| Iron | 57-2 | 15080.91 | 15116.38 | 14894.89 | 15030.73 | 0.79 | ppb |
| Iron | 54-2 | 14822.73 | 14844.04 | 14871.99 | 14846.25 | 0.17 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:04:37 | DataFile Name : | 072SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 22.98 | 23.24 | 23.17 | 23.13 | 0.58 | ppb |
| Lead | 207-1 | 21.81 | 22.66 | 22.79 | 22.42 | 2.38 | ppb |
| Lead | 208-1 | 22.46 | 22.84 | 22.76 | 22.69 | 0.88 | ppb |
| Lithium | 6-1 | | | | 113 | | % |
| Magnesium | 24-2 | 2259.22 | 2255.98 | 2240.52 | 2251.91 | 0.44 | ppb |
| Manganese | 55-2 | 120.00 | 120.30 | 119.64 | 119.98 | 0.27 | ppb |
| Molybdenum | 94-1 | 12.37 | 12.64 | 12.77 | 12.59 | 1.66 | ppb |
| Molybdenum | 95-1 | 0.25 | 0.27 | 0.25 | 0.26 | 2.78 | ppb |
| Molybdenum | 96-1 | 1.65 | 1.71 | 1.72 | 1.69 | 2.41 | ppb |
| Molybdenum | 97-1 | 0.27 | 0.26 | 0.29 | 0.27 | 6.17 | ppb |
| Molybdenum | 98-1 | 0.25 | 0.28 | 0.27 | 0.27 | 5.40 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 15.40 | 15.59 | 14.68 | 15.22 | 3.15 | ppb |
| Phosphorus | 31-2 | 195.10 | 169.39 | 177.88 | 180.79 | 7.25 | ppb |
| Potassium | 39-2 | 1776.80 | 1801.74 | 1767.98 | 1782.17 | 0.98 | ppb |
| Rhodium | 103-1 | | | | 112 | | % |
| Rhodium | 103-2 | | | | 107 | | % |
| Scandium | 45-1 | | | | 119 | | % |
| Scandium | 45-2 | | | | 114 | | % |
| Selenium | 82-1 | 1.15 | 1.71 | 1.53 | 1.46 | 19.38 | ppb |
| Selenium | 77-2 | 36.63 | 34.50 | 35.92 | 35.68 | 3.05 | ppb |
| Selenium | 78-2 | 5.92 | 5.34 | 5.81 | 5.69 | 5.42 | ppb |
| Silicon | 28-1 | 343.88 | 344.78 | 337.42 | 342.03 | 1.17 | ppb |
| Silver | 107-1 | 0.32 | 0.31 | 0.33 | 0.32 | 3.90 | ppb |
| Silver | 109-1 | 0.32 | 0.33 | 0.32 | 0.32 | 1.82 | ppb |
| Sodium | 23-2 | 805.71 | 811.94 | 798.30 | 805.32 | 0.85 | ppb |
| Strontium | 86-1 | 11.13 | 11.29 | 11.43 | 11.28 | 1.35 | ppb |
| Strontium | 88-1 | 11.12 | 11.18 | 11.51 | 11.27 | 1.88 | ppb |
| Sulfur | 34-1 | -2603.01 | -2523.93 | -2531.67 | -2552.87 | | ppb |
| Terbium | 159-1 | | | | 110 | | % |
| Terbium | 159-2 | | | | 109 | | % |
| Thallium | 203-1 | 0.29 | 0.33 | 0.32 | 0.31 | 6.63 | ppb |
| Thallium | 205-1 | 0.32 | 0.31 | 0.32 | 0.32 | 1.79 | ppb |
| Tin | 118-1 | 10.59 | 10.40 | 10.17 | 10.39 | 2.05 | ppb |
| Titanium | 47-1 | 355.30 | 347.88 | 345.12 | 349.43 | 1.51 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:04:37 | DataFile Name : | 072SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 3.14 | 3.20 | 3.24 | 3.19 | 1.63 | ppb |
| Vanadium | 51-2 | 56.77 | 57.86 | 57.36 | 57.33 | 0.95 | ppb |
| Yttrium | 89-1 | | | | 138 | | % |
| Yttrium | 89-2 | | | | 132 | | % |
| Zinc | 66-2 | 56.15 | 54.11 | 53.90 | 54.72 | 2.27 | ppb |
| Zirconium | 90-1 | 6.50 | 6.36 | 6.43 | 6.43 | 1.15 | ppb |
| Zirconium | 91-1 | 6.26 | 6.54 | 6.63 | 6.48 | 2.93 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:07:50 | DataFile Name : | 073SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3387.68 | 3424.92 | 3442.56 | 3418.39 | 0.82 | ppb |
| Antimony | 121-1 | 0.02 | 0.02 | 0.02 | 0.02 | 11.89 | ppb |
| Arsenic | 75-2 | 0.72 | 0.79 | 0.67 | 0.73 | 8.59 | ppb |
| Barium | 135-1 | 13.68 | 13.98 | 14.15 | 13.93 | 1.71 | ppb |
| Barium | 137-1 | 13.87 | 14.30 | 14.02 | 14.07 | 1.54 | ppb |
| Beryllium | 9-1 | 0.23 | 0.21 | 0.17 | 0.20 | 13.63 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.20 | 0.04 | 0.04 | 0.09 | 99.31 | ppb |
| Cadmium | 106-1 | -0.95 | -1.26 | -1.21 | -1.14 | | ppb |
| Cadmium | 111-1 | -0.06 | -0.08 | -0.08 | -0.07 | | ppb |
| Calcium | 43-1 | 270.19 | 290.19 | 265.28 | 275.22 | 4.79 | ppb |
| Calcium | 44-1 | 264.99 | 288.43 | 270.79 | 274.74 | 4.44 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 10.16 | 10.14 | 10.03 | 10.11 | 0.67 | ppb |
| Cobalt | 59-2 | 1.18 | 1.12 | 1.14 | 1.15 | 2.47 | ppb |
| Copper | 63-2 | 6.58 | 6.45 | 6.55 | 6.52 | 1.03 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 106 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 107 | | % |
| Indium | 115-2 | | | | 104 | | % |
| Iron | 56-2 | 3022.27 | 3085.06 | 3099.16 | 3068.83 | 1.33 | ppb |
| Iron | 57-2 | 3177.18 | 3174.96 | 3181.94 | 3178.03 | 0.11 | ppb |
| Iron | 54-2 | 3215.53 | 3243.63 | 3218.35 | 3225.84 | 0.48 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:07:50 | DataFile Name : | 073SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 4.50 | 4.63 | 4.44 | 4.52 | 2.14 | ppb |
| Lead | 207-1 | 4.26 | 4.43 | 4.21 | 4.30 | 2.75 | ppb |
| Lead | 208-1 | 4.35 | 4.52 | 4.25 | 4.37 | 3.01 | ppb |
| Lithium | 6-1 | | | | 104 | | % |
| Magnesium | 24-2 | 468.80 | 466.79 | 471.51 | 469.03 | 0.50 | ppb |
| Manganese | 55-2 | 25.37 | 25.32 | 25.78 | 25.49 | 0.99 | ppb |
| Molybdenum | 94-1 | 2.78 | 2.79 | 2.89 | 2.82 | 2.14 | ppb |
| Molybdenum | 95-1 | 0.04 | 0.04 | 0.05 | 0.04 | 15.53 | ppb |
| Molybdenum | 96-1 | 0.41 | 0.37 | 0.40 | 0.39 | 5.24 | ppb |
| Molybdenum | 97-1 | 0.04 | 0.04 | 0.07 | 0.05 | 30.82 | ppb |
| Molybdenum | 98-1 | 0.06 | 0.05 | 0.05 | 0.05 | 8.95 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 3.21 | 2.99 | 3.12 | 3.11 | 3.51 | ppb |
| Phosphorus | 31-2 | 45.03 | 31.00 | 34.04 | 36.69 | 20.12 | ppb |
| Potassium | 39-2 | 365.35 | 361.45 | 360.23 | 362.34 | 0.74 | ppb |
| Rhodium | 103-1 | | | | 107 | | % |
| Rhodium | 103-2 | | | | 105 | | % |
| Scandium | 45-1 | | | | 110 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 1.38 | 1.12 | 0.96 | 1.15 | 18.69 | ppb |
| Selenium | 77-2 | 7.14 | 5.42 | 7.96 | 6.84 | 18.97 | ppb |
| Selenium | 78-2 | 2.04 | 1.22 | 0.79 | 1.35 | 46.99 | ppb |
| Silicon | 28-1 | 67.95 | 73.40 | 70.19 | 70.51 | 3.89 | ppb |
| Silver | 107-1 | 0.07 | 0.07 | 0.06 | 0.07 | 13.26 | ppb |
| Silver | 109-1 | 0.07 | 0.06 | 0.08 | 0.07 | 8.50 | ppb |
| Sodium | 23-2 | 172.63 | 174.84 | 175.02 | 174.17 | 0.76 | ppb |
| Strontium | 86-1 | 2.51 | 2.61 | 2.64 | 2.59 | 2.61 | ppb |
| Strontium | 88-1 | 2.64 | 2.60 | 2.64 | 2.63 | 0.89 | ppb |
| Sulfur | 34-1 | -2453.19 | -2318.75 | -2551.28 | -2441.07 | | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 0.06 | 0.05 | 0.06 | 0.05 | 14.43 | ppb |
| Thallium | 205-1 | 0.06 | 0.06 | 0.06 | 0.06 | 4.21 | ppb |
| Tin | 118-1 | 2.03 | 2.09 | 2.15 | 2.09 | 2.94 | ppb |
| Titanium | 47-1 | 67.53 | 71.20 | 66.78 | 68.50 | 3.45 | ppb |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:07:50 | DataFile Name : | 073SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.60 | 0.65 | 0.61 | 0.62 | 3.98 | ppb |
| Vanadium | 51-2 | 11.81 | 12.03 | 11.89 | 11.91 | 0.93 | ppb |
| Yttrium | 89-1 | | | | 111 | | % |
| Yttrium | 89-2 | | | | 109 | | % |
| Zinc | 66-2 | 11.06 | 11.42 | 10.57 | 11.02 | 3.86 | ppb |
| Zirconium | 90-1 | 1.50 | 1.46 | 1.49 | 1.49 | 1.39 | ppb |
| Zirconium | 91-1 | 1.53 | 1.51 | 1.45 | 1.50 | 2.72 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08DUPDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:11:06 | DataFile Name : | 074SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3408.37 | 3454.43 | 3495.79 | 3452.86 | 1.27 | ppb |
| Antimony | 121-1 | 0.92 | 1.00 | 0.98 | 0.97 | 4.70 | ppb |
| Arsenic | 75-2 | 0.85 | 0.86 | 0.86 | 0.86 | 0.63 | ppb |
| Barium | 135-1 | 13.73 | 14.42 | 14.53 | 14.22 | 3.06 | ppb |
| Barium | 137-1 | 13.94 | 14.64 | 14.48 | 14.35 | 2.57 | ppb |
| Beryllium | 9-1 | 0.13 | 0.16 | 0.18 | 0.16 | 14.26 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.04 | 0.22 | 0.21 | 0.15 | 66.22 | ppb |
| Cadmium | 106-1 | -0.59 | -1.30 | -1.53 | -1.14 | | ppb |
| Cadmium | 111-1 | -0.03 | -0.08 | -0.09 | -0.06 | | ppb |
| Calcium | 43-1 | 273.95 | 285.72 | 270.49 | 276.72 | 2.88 | ppb |
| Calcium | 44-1 | 271.51 | 288.95 | 273.67 | 278.04 | 3.42 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 10.20 | 10.13 | 10.30 | 10.21 | 0.84 | ppb |
| Cobalt | 59-2 | 1.13 | 1.17 | 1.18 | 1.16 | 2.29 | ppb |
| Copper | 63-2 | 6.51 | 6.60 | 6.55 | 6.55 | 0.63 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 107 | | % |
| Holmium | 165-2 | | | | 108 | | % |
| Indium | 115-1 | | | | 107 | | % |
| Indium | 115-2 | | | | 104 | | % |
| Iron | 56-2 | 3094.93 | 3123.63 | 3151.51 | 3123.36 | 0.91 | ppb |
| Iron | 57-2 | 3240.98 | 3252.74 | 3269.56 | 3254.43 | 0.44 | ppb |
| Iron | 54-2 | 3264.97 | 3280.43 | 3299.50 | 3281.63 | 0.53 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08DUPDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:11:06 | DataFile Name : | 074SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 4.39 | 4.60 | 4.61 | 4.53 | 2.76 | ppb |
| Lead | 207-1 | 4.36 | 4.35 | 4.38 | 4.36 | 0.33 | ppb |
| Lead | 208-1 | 4.40 | 4.54 | 4.50 | 4.48 | 1.59 | ppb |
| Lithium | 6-1 | | | | 104 | | % |
| Magnesium | 24-2 | 469.04 | 467.57 | 474.10 | 470.24 | 0.73 | ppb |
| Manganese | 55-2 | 25.37 | 25.78 | 25.50 | 25.55 | 0.82 | ppb |
| Molybdenum | 94-1 | 2.81 | 2.93 | 2.75 | 2.83 | 3.13 | ppb |
| Molybdenum | 95-1 | 0.09 | 0.06 | 0.08 | 0.08 | 17.91 | ppb |
| Molybdenum | 96-1 | 0.39 | 0.44 | 0.43 | 0.42 | 5.21 | ppb |
| Molybdenum | 97-1 | 0.07 | 0.06 | 0.05 | 0.06 | 15.77 | ppb |
| Molybdenum | 98-1 | 0.06 | 0.07 | 0.09 | 0.07 | 20.99 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 2.84 | 3.17 | 3.30 | 3.10 | 7.73 | ppb |
| Phosphorus | 31-2 | 42.16 | 32.52 | 41.43 | 38.71 | 13.86 | ppb |
| Potassium | 39-2 | 390.56 | 383.21 | 389.88 | 387.88 | 1.05 | ppb |
| Rhodium | 103-1 | | | | 105 | | % |
| Rhodium | 103-2 | | | | 104 | | % |
| Scandium | 45-1 | | | | 109 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 0.58 | 0.70 | 0.48 | 0.59 | 18.47 | ppb |
| Selenium | 77-2 | 8.35 | 8.79 | 7.62 | 8.25 | 7.19 | ppb |
| Selenium | 78-2 | 0.63 | 1.45 | 0.18 | 0.75 | 85.28 | ppb |
| Silicon | 28-1 | 72.66 | 69.86 | 69.04 | 70.52 | 2.69 | ppb |
| Silver | 107-1 | 0.06 | 0.08 | 0.07 | 0.07 | 11.80 | ppb |
| Silver | 109-1 | 0.08 | 0.08 | 0.07 | 0.07 | 4.72 | ppb |
| Sodium | 23-2 | 170.06 | 173.63 | 174.87 | 172.86 | 1.44 | ppb |
| Strontium | 86-1 | 2.75 | 2.60 | 2.83 | 2.73 | 4.28 | ppb |
| Strontium | 88-1 | 2.64 | 2.76 | 2.64 | 2.68 | 2.50 | ppb |
| Sulfur | 34-1 | -2339.60 | -2280.86 | -2402.93 | -2341.13 | | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 0.08 | 0.07 | 0.08 | 0.07 | 6.52 | ppb |
| Thallium | 205-1 | 0.07 | 0.07 | 0.08 | 0.08 | 4.08 | ppb |
| Tin | 118-1 | 2.00 | 2.11 | 2.07 | 2.06 | 2.81 | ppb |
| Titanium | 47-1 | 72.56 | 69.85 | 70.35 | 70.92 | 2.04 | ppb |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08DUPDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:11:06 | DataFile Name : | 074SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.64 | 0.62 | 0.62 | 0.63 | 1.36 | ppb |
| Vanadium | 51-2 | 12.12 | 11.96 | 12.11 | 12.06 | 0.74 | ppb |
| Yttrium | 89-1 | | | | 110 | | % |
| Yttrium | 89-2 | | | | 109 | | % |
| Zinc | 66-2 | 10.02 | 10.41 | 10.71 | 10.38 | 3.33 | ppb |
| Zirconium | 90-1 | 1.47 | 1.47 | 1.45 | 1.46 | 0.49 | ppb |
| Zirconium | 91-1 | 1.53 | 1.50 | 1.49 | 1.50 | 1.32 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV05 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV05 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:14:21 | DataFile Name : | 075CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 50717.17 | 48402.60 | 49992.19 | 49703.99 | 2.38 | ppb |
| Antimony | 121-1 | 487.77 | 494.75 | 506.34 | 496.29 | 1.89 | ppb |
| Arsenic | 75-2 | 494.89 | 481.97 | 482.92 | 486.59 | 1.48 | ppb |
| Barium | 135-1 | 2340.29 | 2413.06 | 2407.78 | 2387.04 | 1.70 | ppb |
| Barium | 137-1 | 2367.81 | 2410.09 | 2479.39 | 2419.10 | 2.33 | ppb |
| Beryllium | 9-1 | 520.20 | 526.09 | 509.22 | 518.50 | 1.65 | ppb |
| Bismuth | 209-1 | | | | 102 | | % |
| Bismuth | 209-2 | | | | 100 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 476.48 | 491.54 | 487.14 | 485.05 | 1.60 | ppb |
| Cadmium | 106-1 | 476.49 | 482.55 | 486.99 | 482.01 | 1.09 | ppb |
| Cadmium | 111-1 | 472.90 | 477.75 | 476.19 | 475.61 | 0.52 | ppb |
| Calcium | 43-1 | 253124.85 | 251386.02 | 258127.94 | 254212.94 | 1.38 | ppb |
| Calcium | 44-1 | 250804.30 | 254126.75 | 250334.20 | 251755.08 | 0.82 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 491.25 | 487.12 | 495.89 | 491.42 | 0.89 | ppb |
| Cobalt | 59-2 | 498.50 | 477.54 | 490.02 | 488.69 | 2.16 | ppb |
| Copper | 63-2 | 4936.23 | 4692.17 | 4891.44 | 4839.95 | 2.68 | 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 | | | | 106 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 128735.24 | 127684.85 | 130038.39 | 128819.49 | 0.92 | ppb |
| Iron | 57-2 | 127018.21 | 126237.49 | 128101.72 | 127119.14 | 0.74 | ppb |
| Iron | 54-2 | 127227.97 | 128197.61 | 126799.79 | 127408.46 | 0.56 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV05 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV05 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:14:21 | DataFile Name : | 075CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2438.18 | 2536.33 | 2496.60 | 2490.37 | 1.98 | ppb |
| Lead | 207-1 | 2394.30 | 2490.54 | 2489.92 | 2458.25 | 2.25 | ppb |
| Lead | 208-1 | 2411.26 | 2485.62 | 2473.57 | 2456.82 | 1.62 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 249597.81 | 248734.07 | 249016.09 | 249115.99 | 0.18 | ppb |
| Manganese | 55-2 | 4832.02 | 4786.74 | 4814.60 | 4811.12 | 0.47 | ppb |
| Molybdenum | 94-1 | 5526.69 | 5270.52 | 5411.85 | 5403.02 | 2.37 | ppb |
| Molybdenum | 95-1 | 5509.90 | 5268.47 | 5348.33 | 5375.57 | 2.29 | ppb |
| Molybdenum | 96-1 | 5404.92 | 5310.88 | 5380.03 | 5365.27 | 0.91 | ppb |
| Molybdenum | 97-1 | 5559.33 | 5309.41 | 5486.53 | 5451.76 | 2.36 | ppb |
| Molybdenum | 98-1 | 5513.13 | 5301.71 | 5344.20 | 5386.34 | 2.08 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 470.81 | 462.83 | 476.63 | 470.09 | 1.47 | ppb |
| Phosphorus | 31-2 | 9770.29 | 9742.86 | 9853.20 | 9788.78 | 0.59 | ppb |
| Potassium | 39-2 | 125886.05 | 123857.98 | 126540.39 | 125428.14 | 1.12 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 107 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 492.43 | 472.10 | 488.36 | 484.30 | 2.22 | ppb |
| Selenium | 77-2 | 494.93 | 479.84 | 463.21 | 479.33 | 3.31 | ppb |
| Selenium | 78-2 | 488.51 | 480.35 | 464.28 | 477.71 | 2.58 | ppb |
| Silicon | 28-1 | 485.12 | 505.08 | 515.61 | 501.94 | 3.09 | ppb |
| Silver | 107-1 | 481.78 | 485.32 | 489.84 | 485.65 | 0.83 | ppb |
| Silver | 109-1 | 486.65 | 476.61 | 486.51 | 483.26 | 1.19 | ppb |
| Sodium | 23-2 | 256776.98 | 253303.52 | 255044.71 | 255041.74 | 0.68 | ppb |
| Strontium | 86-1 | 12365.89 | 11975.30 | 12236.90 | 12192.70 | 1.63 | ppb |
| Strontium | 88-1 | 12380.77 | 11923.14 | 12444.68 | 12249.53 | 2.32 | ppb |
| Sulfur | 34-1 | 8540.57 | 9126.38 | 9282.60 | 8983.18 | 4.35 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 502.59 | 502.02 | 495.75 | 500.12 | 0.76 | ppb |
| Thallium | 205-1 | 495.08 | 497.19 | 496.76 | 496.34 | 0.22 | ppb |
| Tin | 118-1 | 477.17 | 480.74 | 492.86 | 483.59 | 1.70 | ppb |
| Titanium | 47-1 | 5252.26 | 5366.96 | 5455.57 | 5358.26 | 1.90 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV05 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV05 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:14:21 | DataFile Name : | 075CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 484.19 | 496.09 | 492.72 | 491.00 | 1.25 | ppb |
| Vanadium | 51-2 | 494.89 | 496.84 | 503.80 | 498.51 | 0.94 | ppb |
| Yttrium | 89-1 | | | | 106 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 4881.69 | 4790.66 | 4860.66 | 4844.34 | 0.98 | ppb |
| Zirconium | 90-1 | 488.26 | 481.69 | 503.53 | 491.16 | 2.28 | ppb |
| Zirconium | 91-1 | 491.20 | 482.37 | 488.91 | 487.49 | 0.94 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB05 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB05 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:29:04 | DataFile Name : | 076CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | -0.02 | 0.05 | -0.16 | -0.04 | | ppb |
| Antimony | 121-1 | 0.05 | 0.09 | 0.08 | 0.07 | 28.58 | ppb |
| Arsenic | 75-2 | -0.03 | -0.02 | -0.03 | -0.02 | | ppb |
| Barium | 135-1 | -0.01 | 0.00 | -0.01 | -0.01 | | ppb |
| Barium | 137-1 | -0.01 | -0.02 | -0.01 | -0.01 | | ppb |
| Beryllium | 9-1 | 0.01 | 0.00 | 0.00 | 0.00 | 182.02 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.04 | 0.03 | -0.07 | -0.03 | | ppb |
| Cadmium | 106-1 | -3.17 | -3.01 | -4.43 | -3.54 | | ppb |
| Cadmium | 111-1 | -0.23 | -0.23 | -0.33 | -0.26 | | ppb |
| Calcium | 43-1 | -5.87 | -5.36 | -4.61 | -5.28 | | ppb |
| Calcium | 44-1 | -10.70 | -7.69 | -8.75 | -9.05 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.24 | -0.25 | -0.25 | -0.25 | | ppb |
| Cobalt | 59-2 | -0.01 | -0.02 | -0.01 | -0.01 | | ppb |
| Copper | 63-2 | 0.02 | 0.04 | 0.04 | 0.03 | 37.37 | 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 | | | | 99 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 104 | | % |
| Iron | 56-2 | 0.19 | 0.62 | 1.27 | 0.70 | 78.35 | ppb |
| Iron | 57-2 | 1.67 | 0.74 | 2.59 | 1.67 | 55.64 | ppb |
| Iron | 54-2 | 0.71 | 0.25 | 0.84 | 0.60 | 52.31 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB05 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB05 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:29:04 | DataFile Name : | 076CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | -0.04 | -0.03 | -0.03 | -0.03 | | ppb |
| Lead | 207-1 | -0.03 | -0.02 | -0.04 | -0.03 | | ppb |
| Lead | 208-1 | -0.03 | -0.03 | -0.03 | -0.03 | | ppb |
| Lithium | 6-1 | | | | 101 | | % |
| Magnesium | 24-2 | 3.41 | 4.08 | 5.32 | 4.27 | 22.68 | ppb |
| Manganese | 55-2 | -0.11 | -0.04 | -0.04 | -0.06 | | ppb |
| Molybdenum | 94-1 | 0.01 | 0.03 | 0.06 | 0.03 | 83.09 | ppb |
| Molybdenum | 95-1 | 0.00 | 0.00 | 0.02 | 0.01 | 170.48 | ppb |
| Molybdenum | 96-1 | 0.01 | 0.02 | 0.02 | 0.02 | 55.14 | ppb |
| Molybdenum | 97-1 | -0.01 | -0.02 | 0.01 | -0.01 | | ppb |
| Molybdenum | 98-1 | 0.00 | 0.01 | 0.02 | 0.01 | 137.37 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.16 | -0.16 | -0.20 | -0.17 | | ppb |
| Phosphorus | 31-2 | -11.61 | -15.28 | -13.74 | -13.54 | | ppb |
| Potassium | 39-2 | -7.27 | -5.40 | -1.43 | -4.70 | | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 104 | | % |
| Scandium | 45-1 | | | | 105 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | -0.01 | -0.62 | 0.08 | -0.18 | | ppb |
| Selenium | 77-2 | -0.13 | -0.13 | -0.13 | -0.13 | | ppb |
| Selenium | 78-2 | 0.70 | 0.54 | -0.38 | 0.29 | 202.58 | ppb |
| Silicon | 28-1 | -0.52 | -0.26 | -0.42 | -0.40 | | ppb |
| Silver | 107-1 | 0.01 | 0.01 | 0.00 | 0.01 | 13.87 | ppb |
| Silver | 109-1 | 0.01 | 0.00 | 0.01 | 0.01 | 18.62 | ppb |
| Sodium | 23-2 | 13.85 | 14.31 | 13.26 | 13.81 | 3.82 | ppb |
| Strontium | 86-1 | 0.03 | 0.05 | 0.07 | 0.05 | 42.20 | ppb |
| Strontium | 88-1 | 0.04 | 0.04 | 0.07 | 0.05 | 32.37 | ppb |
| Sulfur | 34-1 | -341.05 | -49.48 | -278.47 | -223.00 | | ppb |
| Terbium | 159-1 | | | | 99 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Thallium | 205-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Tin | 118-1 | -0.02 | 0.01 | 0.02 | 0.00 | 603.68 | ppb |
| Titanium | 47-1 | -0.03 | -0.01 | 0.06 | 0.00 | 934.37 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB05 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB05 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:29:04 | DataFile Name : | 076CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | 109.14 | ppb |
| Vanadium | 51-2 | 0.01 | 0.01 | 0.02 | 0.01 | 47.04 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | -0.62 | -0.80 | -0.65 | -0.69 | | ppb |
| Zirconium | 90-1 | 0.01 | 0.02 | 0.02 | 0.02 | 56.45 | ppb |
| Zirconium | 91-1 | 0.02 | 0.02 | 0.02 | 0.02 | 22.47 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08DUP | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:32:42 | DataFile Name : | 077SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 16498.00 | 16610.14 | 16172.20 | 16426.78 | 1.38 | ppb |
| Antimony | 121-1 | 4.67 | 5.09 | 4.91 | 4.89 | 4.36 | ppb |
| Arsenic | 75-2 | 3.96 | 3.99 | 3.70 | 3.88 | 4.14 | ppb |
| Barium | 135-1 | 69.67 | 74.22 | 72.65 | 72.18 | 3.20 | ppb |
| Barium | 137-1 | 71.08 | 73.94 | 72.85 | 72.62 | 1.99 | ppb |
| Beryllium | 9-1 | 0.87 | 0.87 | 0.93 | 0.89 | 4.05 | ppb |
| Bismuth | 209-1 | | | | 111 | | % |
| Bismuth | 209-2 | | | | 111 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.86 | 0.72 | 0.93 | 0.84 | 12.80 | ppb |
| Cadmium | 106-1 | 2.39 | 3.33 | 1.56 | 2.43 | 36.38 | ppb |
| Cadmium | 111-1 | 0.30 | 0.40 | 0.24 | 0.31 | 25.28 | ppb |
| Calcium | 43-1 | 1405.78 | 1336.72 | 1351.05 | 1364.52 | 2.67 | ppb |
| Calcium | 44-1 | 1392.85 | 1393.94 | 1356.22 | 1381.00 | 1.55 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 49.34 | 50.65 | 49.87 | 49.95 | 1.32 | ppb |
| Cobalt | 59-2 | 5.77 | 5.92 | 5.72 | 5.80 | 1.82 | ppb |
| Copper | 63-2 | 31.71 | 32.70 | 31.79 | 32.07 | 1.72 | 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 | | | | 111 | | % |
| Holmium | 165-2 | | | | 111 | | % |
| Indium | 115-1 | | | | 109 | | % |
| Indium | 115-2 | | | | 108 | | % |
| Iron | 56-2 | 15091.39 | 15253.20 | 14755.79 | 15033.46 | 1.69 | ppb |
| Iron | 57-2 | 15502.80 | 15812.19 | 15393.22 | 15569.41 | 1.40 | ppb |
| Iron | 54-2 | 15309.43 | 15582.04 | 15286.81 | 15392.76 | 1.07 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08DUP | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:32:42 | DataFile Name : | 077SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 23.88 | 23.56 | 23.91 | 23.79 | 0.80 | ppb |
| Lead | 207-1 | 22.63 | 22.44 | 22.46 | 22.51 | 0.47 | ppb |
| Lead | 208-1 | 23.18 | 23.10 | 23.15 | 23.14 | 0.16 | ppb |
| Lithium | 6-1 | | | | 112 | | % |
| Magnesium | 24-2 | 2330.22 | 2344.91 | 2309.95 | 2328.36 | 0.75 | ppb |
| Manganese | 55-2 | 123.45 | 124.21 | 123.36 | 123.67 | 0.38 | ppb |
| Molybdenum | 94-1 | 12.39 | 12.78 | 12.59 | 12.59 | 1.53 | ppb |
| Molybdenum | 95-1 | 0.36 | 0.40 | 0.40 | 0.38 | 6.29 | ppb |
| Molybdenum | 96-1 | 1.80 | 1.80 | 1.74 | 1.78 | 1.83 | ppb |
| Molybdenum | 97-1 | 0.38 | 0.35 | 0.38 | 0.37 | 5.01 | ppb |
| Molybdenum | 98-1 | 0.36 | 0.40 | 0.38 | 0.38 | 4.82 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 16.03 | 16.18 | 16.21 | 16.14 | 0.58 | ppb |
| Phosphorus | 31-2 | 273.58 | 272.43 | 252.80 | 266.27 | 4.39 | ppb |
| Potassium | 39-2 | 1903.16 | 1950.58 | 1913.85 | 1922.53 | 1.29 | ppb |
| Rhodium | 103-1 | | | | 108 | | % |
| Rhodium | 103-2 | | | | 108 | | % |
| Scandium | 45-1 | | | | 119 | | % |
| Scandium | 45-2 | | | | 113 | | % |
| Selenium | 82-1 | 1.91 | 1.49 | 1.80 | 1.73 | 12.61 | ppb |
| Selenium | 77-2 | 33.86 | 33.93 | 34.96 | 34.25 | 1.79 | ppb |
| Selenium | 78-2 | 4.58 | 5.95 | 5.19 | 5.24 | 13.12 | ppb |
| Silicon | 28-1 | 352.22 | 346.50 | 347.36 | 348.69 | 0.88 | ppb |
| Silver | 107-1 | 0.39 | 0.45 | 0.39 | 0.41 | 8.58 | ppb |
| Silver | 109-1 | 0.37 | 0.42 | 0.41 | 0.40 | 6.63 | ppb |
| Sodium | 23-2 | 832.67 | 850.62 | 833.32 | 838.87 | 1.21 | ppb |
| Strontium | 86-1 | 11.54 | 11.56 | 11.47 | 11.52 | 0.40 | ppb |
| Strontium | 88-1 | 11.47 | 11.76 | 11.52 | 11.58 | 1.35 | ppb |
| Sulfur | 34-1 | -1369.99 | -1683.31 | -1702.99 | -1585.43 | | ppb |
| Terbium | 159-1 | | | | 110 | | % |
| Terbium | 159-2 | | | | 111 | | % |
| Thallium | 203-1 | 0.40 | 0.39 | 0.39 | 0.39 | 2.26 | ppb |
| Thallium | 205-1 | 0.38 | 0.42 | 0.39 | 0.40 | 4.25 | ppb |
| Tin | 118-1 | 10.34 | 10.42 | 10.50 | 10.42 | 0.78 | ppb |
| Titanium | 47-1 | 343.84 | 333.81 | 352.94 | 343.53 | 2.79 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08DUP | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:32:42 | DataFile Name : | 077SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 3.21 | 3.19 | 3.20 | 3.20 | 0.28 | ppb |
| Vanadium | 51-2 | 57.65 | 58.13 | 57.41 | 57.73 | 0.64 | ppb |
| Yttrium | 89-1 | | | | 135 | | % |
| Yttrium | 89-2 | | | | 134 | | % |
| Zinc | 66-2 | 57.47 | 58.35 | 57.69 | 57.84 | 0.79 | ppb |
| Zirconium | 90-1 | 6.31 | 6.39 | 6.50 | 6.40 | 1.48 | ppb |
| Zirconium | 91-1 | 6.48 | 6.22 | 6.49 | 6.40 | 2.36 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:35:57 | DataFile Name : | 078SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3255.39 | 3249.47 | 3277.29 | 3260.72 | 0.45 | ppb |
| Antimony | 121-1 | 0.03 | 0.03 | 0.03 | 0.03 | 1.78 | ppb |
| Arsenic | 75-2 | 0.81 | 0.91 | 0.65 | 0.79 | 16.46 | ppb |
| Barium | 135-1 | 13.30 | 13.81 | 13.67 | 13.59 | 1.96 | ppb |
| Barium | 137-1 | 13.44 | 13.63 | 13.49 | 13.52 | 0.71 | ppb |
| Beryllium | 9-1 | 0.18 | 0.16 | 0.20 | 0.18 | 11.32 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.31 | 0.02 | 0.13 | 0.15 | 96.41 | ppb |
| Cadmium | 106-1 | -0.26 | -0.95 | -0.81 | -0.68 | | ppb |
| Cadmium | 111-1 | -0.03 | -0.07 | -0.07 | -0.05 | | ppb |
| Calcium | 43-1 | 261.06 | 249.75 | 262.72 | 257.84 | 2.74 | ppb |
| Calcium | 44-1 | 267.81 | 266.32 | 267.48 | 267.20 | 0.29 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 9.46 | 9.51 | 9.56 | 9.51 | 0.53 | ppb |
| Cobalt | 59-2 | 1.10 | 1.06 | 1.15 | 1.11 | 4.12 | ppb |
| Copper | 63-2 | 6.29 | 6.14 | 6.26 | 6.23 | 1.30 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 103 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 104 | | % |
| Iron | 56-2 | 2926.52 | 2926.43 | 2959.99 | 2937.65 | 0.66 | ppb |
| Iron | 57-2 | 3017.70 | 2980.74 | 3051.24 | 3016.56 | 1.17 | ppb |
| Iron | 54-2 | 3061.46 | 3049.34 | 3052.76 | 3054.52 | 0.20 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:35:57 | DataFile Name : | 078SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 4.24 | 4.29 | 4.37 | 4.30 | 1.44 | ppb |
| Lead | 207-1 | 4.02 | 4.09 | 4.16 | 4.09 | 1.72 | ppb |
| Lead | 208-1 | 4.09 | 4.16 | 4.20 | 4.15 | 1.39 | ppb |
| Lithium | 6-1 | | | | 108 | | % |
| Magnesium | 24-2 | 448.51 | 452.38 | 456.70 | 452.53 | 0.91 | ppb |
| Manganese | 55-2 | 24.02 | 24.04 | 24.25 | 24.10 | 0.53 | ppb |
| Molybdenum | 94-1 | 2.74 | 2.72 | 2.73 | 2.73 | 0.39 | ppb |
| Molybdenum | 95-1 | 0.05 | 0.04 | 0.07 | 0.05 | 26.24 | ppb |
| Molybdenum | 96-1 | 0.37 | 0.34 | 0.39 | 0.37 | 6.95 | ppb |
| Molybdenum | 97-1 | 0.03 | 0.02 | 0.04 | 0.03 | 46.60 | ppb |
| Molybdenum | 98-1 | 0.05 | 0.05 | 0.05 | 0.05 | 3.57 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 3.01 | 2.89 | 2.93 | 2.94 | 1.97 | ppb |
| Phosphorus | 31-2 | 15.98 | 22.82 | 27.95 | 22.25 | 26.97 | ppb |
| Potassium | 39-2 | 344.25 | 349.67 | 348.28 | 347.40 | 0.81 | ppb |
| Rhodium | 103-1 | | | | 104 | | % |
| Rhodium | 103-2 | | | | 104 | | % |
| Scandium | 45-1 | | | | 109 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 0.44 | 1.19 | 0.56 | 0.73 | 55.22 | ppb |
| Selenium | 77-2 | 4.69 | 8.23 | 6.11 | 6.34 | 28.07 | ppb |
| Selenium | 78-2 | 3.54 | 0.52 | 0.70 | 1.59 | 106.87 | ppb |
| Silicon | 28-1 | 67.33 | 67.12 | 65.58 | 66.68 | 1.44 | ppb |
| Silver | 107-1 | 0.06 | 0.06 | 0.07 | 0.06 | 12.96 | ppb |
| Silver | 109-1 | 0.06 | 0.07 | 0.07 | 0.07 | 7.60 | ppb |
| Sodium | 23-2 | 171.98 | 170.09 | 168.37 | 170.14 | 1.06 | ppb |
| Strontium | 86-1 | 2.44 | 2.46 | 2.69 | 2.53 | 5.57 | ppb |
| Strontium | 88-1 | 2.47 | 2.52 | 2.49 | 2.49 | 1.04 | ppb |
| Sulfur | 34-1 | -1562.94 | -1552.67 | -1588.31 | -1567.97 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 0.05 | 0.05 | 0.07 | 0.06 | 15.51 | ppb |
| Thallium | 205-1 | 0.06 | 0.06 | 0.06 | 0.06 | 4.26 | ppb |
| Tin | 118-1 | 2.01 | 2.04 | 2.03 | 2.03 | 0.59 | ppb |
| Titanium | 47-1 | 64.79 | 66.58 | 66.47 | 65.95 | 1.52 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:35:57 | DataFile Name : | 078SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.58 | 0.57 | 0.59 | 0.58 | 1.53 | ppb |
| Vanadium | 51-2 | 11.26 | 11.55 | 11.24 | 11.35 | 1.53 | ppb |
| Yttrium | 89-1 | | | | 108 | | % |
| Yttrium | 89-2 | | | | 108 | | % |
| Zinc | 66-2 | 11.51 | 11.75 | 11.55 | 11.60 | 1.12 | ppb |
| Zirconium | 90-1 | 1.39 | 1.40 | 1.51 | 1.43 | 4.39 | ppb |
| Zirconium | 91-1 | 1.39 | 1.40 | 1.38 | 1.39 | 0.96 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08LDLX25 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 25 |
| Date & Time Acquired :: | 2024-08-25 20:39:12 | DataFile Name : | 079SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 654.55 | 663.30 | 679.32 | 665.72 | 1.89 | ppb |
| Antimony | 121-1 | 0.11 | 0.11 | 0.09 | 0.11 | 10.29 | ppb |
| Arsenic | 75-2 | 0.22 | 0.17 | 0.16 | 0.18 | 17.57 | ppb |
| Barium | 135-1 | 2.58 | 2.80 | 2.60 | 2.66 | 4.62 | ppb |
| Barium | 137-1 | 2.79 | 2.88 | 2.76 | 2.81 | 2.21 | ppb |
| Beryllium | 9-1 | 0.04 | 0.03 | 0.03 | 0.03 | 14.87 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.07 | 0.14 | -0.04 | 0.06 | 159.04 | ppb |
| Cadmium | 106-1 | -0.38 | -1.08 | -1.10 | -0.85 | | ppb |
| Cadmium | 111-1 | -0.05 | -0.09 | -0.09 | -0.08 | | ppb |
| Calcium | 43-1 | 51.01 | 44.10 | 52.80 | 49.31 | 9.32 | ppb |
| Calcium | 44-1 | 47.07 | 44.98 | 45.09 | 45.71 | 2.57 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1.83 | 1.77 | 1.78 | 1.79 | 1.83 | ppb |
| Cobalt | 59-2 | 0.20 | 0.20 | 0.21 | 0.20 | 4.30 | ppb |
| Copper | 63-2 | 1.26 | 1.16 | 1.37 | 1.26 | 8.18 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 103 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 103 | | % |
| Iron | 56-2 | 619.25 | 620.53 | 613.21 | 617.66 | 0.63 | ppb |
| Iron | 57-2 | 626.71 | 622.60 | 611.48 | 620.26 | 1.27 | ppb |
| Iron | 54-2 | 626.60 | 621.81 | 624.12 | 624.18 | 0.38 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08LDLX25 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 25 |
| Date & Time Acquired :: | 2024-08-25 20:39:12 | DataFile Name : | 079SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.87 | 0.82 | 0.82 | 0.84 | 3.23 | ppb |
| Lead | 207-1 | 0.75 | 0.79 | 0.81 | 0.78 | 3.69 | ppb |
| Lead | 208-1 | 0.81 | 0.81 | 0.80 | 0.81 | 0.45 | ppb |
| Lithium | 6-1 | | | | 107 | | % |
| Magnesium | 24-2 | 92.72 | 91.82 | 91.06 | 91.87 | 0.91 | ppb |
| Manganese | 55-2 | 4.93 | 4.87 | 4.71 | 4.84 | 2.38 | ppb |
| Molybdenum | 94-1 | 0.53 | 0.55 | 0.55 | 0.54 | 2.61 | ppb |
| Molybdenum | 95-1 | 0.00 | -0.01 | -0.01 | 0.00 | | ppb |
| Molybdenum | 96-1 | 0.05 | 0.06 | 0.06 | 0.05 | 6.85 | ppb |
| Molybdenum | 97-1 | -0.01 | -0.03 | -0.01 | -0.02 | | ppb |
| Molybdenum | 98-1 | 0.00 | -0.02 | 0.00 | -0.01 | | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.41 | 0.50 | 0.49 | 0.47 | 10.90 | ppb |
| Phosphorus | 31-2 | -2.77 | 1.16 | -5.51 | -2.37 | | ppb |
| Potassium | 39-2 | 63.02 | 62.48 | 59.59 | 61.70 | 2.98 | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 104 | | % |
| Scandium | 45-1 | | | | 107 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 0.62 | 0.27 | 1.09 | 0.66 | 62.59 | ppb |
| Selenium | 77-2 | 2.03 | 0.95 | 0.59 | 1.19 | 63.02 | ppb |
| Selenium | 78-2 | 1.32 | 2.02 | 0.44 | 1.26 | 62.96 | ppb |
| Silicon | 28-1 | 14.24 | 14.65 | 14.03 | 14.30 | 2.21 | ppb |
| Silver | 107-1 | 0.03 | 0.01 | 0.01 | 0.02 | 38.42 | ppb |
| Silver | 109-1 | 0.01 | 0.01 | 0.01 | 0.01 | 9.26 | ppb |
| Sodium | 23-2 | 40.78 | 40.04 | 40.91 | 40.58 | 1.17 | ppb |
| Strontium | 86-1 | 0.53 | 0.50 | 0.51 | 0.51 | 2.78 | ppb |
| Strontium | 88-1 | 0.54 | 0.51 | 0.51 | 0.52 | 3.47 | ppb |
| Sulfur | 34-1 | -1447.08 | -1624.45 | -1529.64 | -1533.73 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 0.01 | 0.01 | 0.01 | 0.01 | 34.10 | ppb |
| Thallium | 205-1 | 0.01 | 0.01 | 0.01 | 0.01 | 31.16 | ppb |
| Tin | 118-1 | 0.40 | 0.38 | 0.39 | 0.39 | 1.86 | ppb |
| Titanium | 47-1 | 13.47 | 12.91 | 13.32 | 13.24 | 2.17 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08LDLX25 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 25 |
| Date & Time Acquired :: | 2024-08-25 20:39:12 | DataFile Name : | 079SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.11 | 0.12 | 0.12 | 0.12 | 2.67 | ppb |
| Vanadium | 51-2 | 2.25 | 2.24 | 2.29 | 2.26 | 1.15 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 1.74 | 1.62 | 1.32 | 1.56 | 13.87 | ppb |
| Zirconium | 90-1 | 0.28 | 0.30 | 0.30 | 0.29 | 2.65 | ppb |
| Zirconium | 91-1 | 0.35 | 0.28 | 0.30 | 0.31 | 11.54 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MS | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:42:31 | DataFile Name : | 080SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 23971.79 | 23345.93 | 24401.37 | 23906.36 | 2.22 | ppb |
| Antimony | 121-1 | 494.16 | 516.24 | 509.51 | 506.64 | 2.23 | ppb |
| Arsenic | 75-2 | 419.81 | 433.92 | 428.80 | 427.51 | 1.67 | ppb |
| Barium | 135-1 | 2471.47 | 2503.88 | 2519.29 | 2498.21 | 0.98 | ppb |
| Barium | 137-1 | 2479.64 | 2580.66 | 2543.50 | 2534.60 | 2.02 | ppb |
| Beryllium | 9-1 | 570.19 | 540.92 | 533.87 | 548.33 | 3.51 | ppb |
| Bismuth | 209-1 | | | | 110 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 523.66 | 545.82 | 543.93 | 537.81 | 2.28 | ppb |
| Cadmium | 106-1 | 530.63 | 542.29 | 536.28 | 536.40 | 1.09 | ppb |
| Cadmium | 111-1 | 513.36 | 527.91 | 531.13 | 524.13 | 1.81 | ppb |
| Calcium | 43-1 | 54173.36 | 55920.82 | 55695.13 | 55263.10 | 1.72 | ppb |
| Calcium | 44-1 | 48971.39 | 50195.40 | 50095.48 | 49754.09 | 1.37 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 507.01 | 501.32 | 512.09 | 506.81 | 1.06 | ppb |
| Cobalt | 59-2 | 492.80 | 486.30 | 494.97 | 491.36 | 0.92 | ppb |
| Copper | 63-2 | 4797.96 | 4786.94 | 4889.87 | 4824.92 | 1.17 | 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 | | | | 110 | | % |
| Holmium | 165-2 | | | | 109 | | % |
| Indium | 115-1 | | | | 105 | | % |
| Indium | 115-2 | | | | 101 | | % |
| Iron | 56-2 | 38216.28 | 38375.63 | 38769.59 | 38453.83 | 0.74 | ppb |
| Iron | 57-2 | 38461.99 | 37860.42 | 38867.22 | 38396.54 | 1.32 | ppb |
| Iron | 54-2 | 39192.77 | 38996.20 | 39036.41 | 39075.13 | 0.27 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MS | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:42:31 | DataFile Name : | 080SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2544.21 | 2613.34 | 2513.81 | 2557.12 | 1.99 | ppb |
| Lead | 207-1 | 2547.71 | 2493.57 | 2542.52 | 2527.94 | 1.18 | ppb |
| Lead | 208-1 | 2563.70 | 2535.13 | 2519.51 | 2539.45 | 0.88 | ppb |
| Lithium | 6-1 | | | | 118 | | % |
| Magnesium | 24-2 | 49935.68 | 48769.80 | 50309.44 | 49671.64 | 1.62 | ppb |
| Manganese | 55-2 | 4876.04 | 4811.35 | 4930.15 | 4872.51 | 1.22 | ppb |
| Molybdenum | 94-1 | 5479.17 | 5651.30 | 5499.84 | 5543.44 | 1.70 | ppb |
| Molybdenum | 95-1 | 5608.14 | 5633.34 | 5725.21 | 5655.56 | 1.09 | ppb |
| Molybdenum | 96-1 | 5653.04 | 5610.62 | 5685.21 | 5649.62 | 0.66 | ppb |
| Molybdenum | 97-1 | 5780.45 | 5744.06 | 5795.27 | 5773.26 | 0.46 | ppb |
| Molybdenum | 98-1 | 5679.82 | 5853.26 | 5718.55 | 5750.55 | 1.58 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 481.45 | 476.77 | 488.60 | 482.27 | 1.23 | ppb |
| Phosphorus | 31-2 | 173.79 | 185.24 | 202.97 | 187.33 | 7.85 | ppb |
| Potassium | 39-2 | 25137.47 | 25190.14 | 25490.15 | 25272.59 | 0.75 | ppb |
| Rhodium | 103-1 | | | | 104 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 119 | | % |
| Scandium | 45-2 | | | | 108 | | % |
| Selenium | 82-1 | 418.88 | 421.62 | 415.57 | 418.69 | 0.72 | ppb |
| Selenium | 77-2 | 461.08 | 443.79 | 441.40 | 448.76 | 2.39 | ppb |
| Selenium | 78-2 | 428.04 | 433.77 | 433.12 | 431.64 | 0.73 | ppb |
| Silicon | 28-1 | 326.40 | 335.34 | 346.30 | 336.02 | 2.97 | ppb |
| Silver | 107-1 | 158.37 | 377.16 | 285.88 | 273.81 | 40.14 | ppb |
| Silver | 109-1 | 241.83 | 274.00 | 598.63 | 371.49 | 53.13 | ppb |
| Sodium | 23-2 | 48543.35 | 47906.92 | 48289.88 | 48246.72 | 0.66 | ppb |
| Strontium | 86-1 | 9357.46 | 9334.04 | 9468.29 | 9386.60 | 0.76 | ppb |
| Strontium | 88-1 | 9297.64 | 9520.83 | 9302.69 | 9373.72 | 1.36 | ppb |
| Sulfur | 34-1 | -1778.09 | -1554.54 | -1465.48 | -1599.37 | | ppb |
| Terbium | 159-1 | | | | 107 | | % |
| Terbium | 159-2 | | | | 108 | | % |
| Thallium | 203-1 | 505.88 | 506.96 | 495.95 | 502.93 | 1.21 | ppb |
| Thallium | 205-1 | 494.88 | 500.89 | 502.81 | 499.52 | 0.83 | ppb |
| Tin | 118-1 | 477.66 | 502.02 | 501.32 | 493.67 | 2.81 | ppb |
| Titanium | 47-1 | 5779.05 | 5841.15 | 5800.01 | 5806.74 | 0.54 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MS | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:42:31 | DataFile Name : | 080SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 501.38 | 497.51 | 499.02 | 499.31 | 0.39 | ppb |
| Vanadium | 51-2 | 537.51 | 541.09 | 539.85 | 539.48 | 0.34 | ppb |
| Yttrium | 89-1 | | | | 134 | | % |
| Yttrium | 89-2 | | | | 125 | | % |
| Zinc | 66-2 | 4965.99 | 4988.02 | 5059.32 | 5004.44 | 0.97 | ppb |
| Zirconium | 90-1 | 410.82 | 420.93 | 410.11 | 413.95 | 1.46 | ppb |
| Zirconium | 91-1 | 405.96 | 409.52 | 411.25 | 408.91 | 0.66 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MSDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:45:18 | DataFile Name : | 081SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5013.76 | 4995.95 | 5012.58 | 5007.43 | 0.20 | ppb |
| Antimony | 121-1 | 93.50 | 95.07 | 95.88 | 94.81 | 1.28 | ppb |
| Arsenic | 75-2 | 96.06 | 98.27 | 97.96 | 97.43 | 1.23 | ppb |
| Barium | 135-1 | 456.48 | 458.82 | 455.86 | 457.05 | 0.34 | ppb |
| Barium | 137-1 | 461.36 | 468.19 | 464.08 | 464.54 | 0.74 | ppb |
| Beryllium | 9-1 | 104.86 | 105.37 | 107.97 | 106.07 | 1.57 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 104.63 | 107.44 | 109.71 | 107.26 | 2.38 | ppb |
| Cadmium | 106-1 | 100.44 | 103.97 | 103.74 | 102.72 | 1.93 | ppb |
| Cadmium | 111-1 | 104.03 | 103.85 | 105.12 | 104.33 | 0.66 | ppb |
| Calcium | 43-1 | 11543.34 | 11407.58 | 11589.12 | 11513.35 | 0.82 | ppb |
| Calcium | 44-1 | 10434.82 | 10497.64 | 10381.90 | 10438.12 | 0.56 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 105.54 | 106.35 | 105.83 | 105.91 | 0.39 | ppb |
| Cobalt | 59-2 | 100.74 | 102.24 | 101.48 | 101.49 | 0.74 | ppb |
| Copper | 63-2 | 1016.93 | 1045.43 | 1023.90 | 1028.75 | 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 | | | | 105 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 101 | | % |
| Iron | 56-2 | 7985.31 | 7917.36 | 7913.20 | 7938.62 | 0.51 | ppb |
| Iron | 57-2 | 8195.62 | 8292.61 | 8263.84 | 8250.69 | 0.60 | ppb |
| Iron | 54-2 | 8396.45 | 8429.05 | 8420.48 | 8415.33 | 0.20 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MSDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:45:18 | DataFile Name : | 081SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 493.80 | 497.67 | 493.89 | 495.12 | 0.45 | ppb |
| Lead | 207-1 | 486.46 | 501.10 | 482.48 | 490.01 | 2.00 | ppb |
| Lead | 208-1 | 487.17 | 499.65 | 487.62 | 491.48 | 1.44 | ppb |
| Lithium | 6-1 | | | | 113 | | % |
| Magnesium | 24-2 | 10298.31 | 10236.39 | 10240.43 | 10258.37 | 0.34 | ppb |
| Manganese | 55-2 | 999.09 | 1013.37 | 999.81 | 1004.09 | 0.80 | ppb |
| Molybdenum | 94-1 | 1313.14 | 1304.58 | 1272.32 | 1296.68 | 1.66 | ppb |
| Molybdenum | 95-1 | 1333.14 | 1325.92 | 1307.31 | 1322.12 | 1.01 | ppb |
| Molybdenum | 96-1 | 1312.69 | 1331.75 | 1348.14 | 1330.86 | 1.33 | ppb |
| Molybdenum | 97-1 | 1303.46 | 1361.13 | 1317.55 | 1327.38 | 2.26 | ppb |
| Molybdenum | 98-1 | 1310.79 | 1336.99 | 1292.88 | 1313.56 | 1.69 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 101.77 | 101.79 | 100.56 | 101.37 | 0.69 | ppb |
| Phosphorus | 31-2 | 23.25 | 32.04 | 28.74 | 28.01 | 15.85 | ppb |
| Potassium | 39-2 | 5188.41 | 5298.63 | 5159.84 | 5215.63 | 1.41 | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 101 | | % |
| Scandium | 45-1 | | | | 108 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 98.99 | 99.57 | 99.24 | 99.27 | 0.29 | ppb |
| Selenium | 77-2 | 88.48 | 104.96 | 101.38 | 98.27 | 8.82 | ppb |
| Selenium | 78-2 | 92.98 | 98.53 | 101.63 | 97.71 | 4.48 | ppb |
| Silicon | 28-1 | 69.80 | 70.77 | 72.39 | 70.99 | 1.84 | ppb |
| Silver | 107-1 | 91.21 | 93.63 | 93.10 | 92.65 | 1.37 | ppb |
| Silver | 109-1 | 91.29 | 92.31 | 92.95 | 92.18 | 0.91 | ppb |
| Sodium | 23-2 | 9769.99 | 9815.34 | 9839.31 | 9808.21 | 0.36 | ppb |
| Strontium | 86-1 | 2191.32 | 2279.68 | 2244.64 | 2238.55 | 1.99 | ppb |
| Strontium | 88-1 | 2208.98 | 2242.99 | 2276.44 | 2242.81 | 1.50 | ppb |
| Sulfur | 34-1 | -1155.03 | -1161.09 | -1205.16 | -1173.76 | | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 84.61 | 86.69 | 86.45 | 85.92 | 1.33 | ppb |
| Thallium | 205-1 | 84.49 | 86.83 | 85.82 | 85.71 | 1.36 | ppb |
| Tin | 118-1 | 92.27 | 93.49 | 93.71 | 93.16 | 0.84 | ppb |
| Titanium | 47-1 | 1203.29 | 1226.55 | 1227.37 | 1219.07 | 1.12 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MSDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:45:18 | DataFile Name : | 081SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 83.63 | 84.70 | 84.30 | 84.21 | 0.64 | ppb |
| Vanadium | 51-2 | 110.35 | 110.56 | 109.53 | 110.15 | 0.49 | ppb |
| Yttrium | 89-1 | | | | 108 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | 1038.95 | 1032.82 | 1027.57 | 1033.11 | 0.55 | ppb |
| Zirconium | 90-1 | 93.35 | 96.92 | 95.17 | 95.14 | 1.88 | ppb |
| Zirconium | 91-1 | 94.88 | 95.96 | 95.61 | 95.48 | 0.58 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MSD | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:48:20 | DataFile Name : | 082SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 24066.35 | 24127.46 | 24230.39 | 24141.40 | 0.34 | ppb |
| Antimony | 121-1 | 526.65 | 533.34 | 528.45 | 529.48 | 0.65 | ppb |
| Arsenic | 75-2 | 437.88 | 433.14 | 424.70 | 431.90 | 1.55 | ppb |
| Barium | 135-1 | 2492.14 | 2543.96 | 2511.36 | 2515.82 | 1.04 | ppb |
| Barium | 137-1 | 2511.71 | 2574.19 | 2535.93 | 2540.61 | 1.24 | ppb |
| Beryllium | 9-1 | 559.30 | 559.61 | 554.28 | 557.73 | 0.54 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 547.88 | 554.62 | 553.48 | 551.99 | 0.65 | ppb |
| Cadmium | 106-1 | 540.13 | 551.02 | 551.37 | 547.51 | 1.17 | ppb |
| Cadmium | 111-1 | 533.04 | 541.19 | 539.40 | 537.88 | 0.80 | ppb |
| Calcium | 43-1 | 55459.71 | 55154.59 | 56368.85 | 55661.05 | 1.13 | ppb |
| Calcium | 44-1 | 50266.80 | 50497.55 | 50546.15 | 50436.83 | 0.30 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 516.31 | 524.50 | 529.90 | 523.57 | 1.31 | ppb |
| Cobalt | 59-2 | 507.98 | 499.45 | 519.42 | 508.95 | 1.97 | ppb |
| Copper | 63-2 | 4900.99 | 4884.86 | 4849.47 | 4878.44 | 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 | | | | 110 | | % |
| Holmium | 165-2 | | | | 111 | | % |
| Indium | 115-1 | | | | 106 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 39206.15 | 38756.80 | 39801.26 | 39254.74 | 1.33 | ppb |
| Iron | 57-2 | 39500.98 | 38218.52 | 38999.23 | 38906.24 | 1.66 | ppb |
| Iron | 54-2 | 40404.35 | 39804.32 | 39028.76 | 39745.81 | 1.74 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MSD | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:48:20 | DataFile Name : | 082SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2592.87 | 2656.24 | 2576.52 | 2608.54 | 1.61 | ppb |
| Lead | 207-1 | 2545.08 | 2604.94 | 2564.44 | 2571.49 | 1.19 | ppb |
| Lead | 208-1 | 2560.25 | 2615.47 | 2573.63 | 2583.12 | 1.12 | ppb |
| Lithium | 6-1 | | | | 118 | | % |
| Magnesium | 24-2 | 50159.85 | 49677.78 | 49750.24 | 49862.62 | 0.52 | ppb |
| Manganese | 55-2 | 5011.14 | 4946.64 | 4971.51 | 4976.43 | 0.65 | ppb |
| Molybdenum | 94-1 | 5615.25 | 5570.67 | 5654.75 | 5613.56 | 0.75 | ppb |
| Molybdenum | 95-1 | 5951.70 | 5753.89 | 5934.53 | 5880.04 | 1.86 | ppb |
| Molybdenum | 96-1 | 5897.62 | 5868.39 | 5744.08 | 5836.70 | 1.40 | ppb |
| Molybdenum | 97-1 | 5987.56 | 5865.74 | 5894.97 | 5916.09 | 1.07 | ppb |
| Molybdenum | 98-1 | 6015.16 | 5750.52 | 5745.62 | 5837.10 | 2.64 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 498.13 | 498.66 | 503.39 | 500.06 | 0.58 | ppb |
| Phosphorus | 31-2 | 258.96 | 283.84 | 278.39 | 273.73 | 4.78 | ppb |
| Potassium | 39-2 | 25490.27 | 25903.09 | 25652.27 | 25681.88 | 0.81 | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 118 | | % |
| Scandium | 45-2 | | | | 107 | | % |
| Selenium | 82-1 | 449.64 | 439.15 | 438.36 | 442.38 | 1.42 | ppb |
| Selenium | 77-2 | 468.00 | 470.99 | 454.01 | 464.33 | 1.95 | ppb |
| Selenium | 78-2 | 435.69 | 435.76 | 431.45 | 434.30 | 0.57 | ppb |
| Silicon | 28-1 | 347.61 | 340.63 | 354.11 | 347.45 | 1.94 | ppb |
| Silver | 107-1 | 246.56 | 841.85 | 525.33 | 537.92 | 55.37 | ppb |
| Silver | 109-1 | 312.39 | 521.12 | 710.94 | 514.81 | 38.72 | ppb |
| Sodium | 23-2 | 48329.95 | 48636.94 | 48375.69 | 48447.53 | 0.34 | ppb |
| Strontium | 86-1 | 9746.14 | 9629.08 | 9624.82 | 9666.68 | 0.71 | ppb |
| Strontium | 88-1 | 9802.88 | 9594.04 | 9761.19 | 9719.37 | 1.14 | ppb |
| Sulfur | 34-1 | -1606.89 | -1508.14 | -1366.27 | -1493.77 | | ppb |
| Terbium | 159-1 | | | | 109 | | % |
| Terbium | 159-2 | | | | 110 | | % |
| Thallium | 203-1 | 526.36 | 512.70 | 515.87 | 518.31 | 1.38 | ppb |
| Thallium | 205-1 | 517.59 | 523.66 | 520.88 | 520.71 | 0.58 | ppb |
| Tin | 118-1 | 493.34 | 493.81 | 500.57 | 495.91 | 0.82 | ppb |
| Titanium | 47-1 | 5898.80 | 5941.60 | 5864.21 | 5901.54 | 0.66 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MSD | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:48:20 | DataFile Name : | 082SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 498.25 | 511.11 | 517.98 | 509.12 | 1.97 | ppb |
| Vanadium | 51-2 | 556.53 | 554.77 | 561.08 | 557.46 | 0.58 | ppb |
| Yttrium | 89-1 | | | | 132 | | % |
| Yttrium | 89-2 | | | | 127 | | % |
| Zinc | 66-2 | 5075.51 | 5125.81 | 5056.01 | 5085.78 | 0.71 | ppb |
| Zirconium | 90-1 | 428.44 | 419.35 | 427.50 | 425.10 | 1.18 | ppb |
| Zirconium | 91-1 | 430.73 | 421.10 | 430.45 | 427.43 | 1.28 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MSDDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:51:04 | DataFile Name : | 083SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5061.00 | 5048.80 | 5035.64 | 5048.48 | 0.25 | ppb |
| Antimony | 121-1 | 98.66 | 98.90 | 101.52 | 99.69 | 1.59 | ppb |
| Arsenic | 75-2 | 102.17 | 101.26 | 98.12 | 100.51 | 2.11 | ppb |
| Barium | 135-1 | 456.54 | 464.72 | 468.64 | 463.30 | 1.33 | ppb |
| Barium | 137-1 | 464.55 | 467.18 | 473.64 | 468.45 | 1.00 | ppb |
| Beryllium | 9-1 | 110.75 | 110.15 | 110.88 | 110.59 | 0.35 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 110.15 | 109.97 | 108.18 | 109.43 | 0.99 | ppb |
| Cadmium | 106-1 | 109.86 | 108.52 | 110.16 | 109.51 | 0.80 | ppb |
| Cadmium | 111-1 | 107.37 | 107.58 | 110.07 | 108.34 | 1.39 | ppb |
| Calcium | 43-1 | 11313.61 | 11631.56 | 11398.11 | 11447.76 | 1.44 | ppb |
| Calcium | 44-1 | 10382.60 | 10576.24 | 10354.74 | 10437.86 | 1.16 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 109.26 | 109.53 | 108.33 | 109.04 | 0.58 | ppb |
| Cobalt | 59-2 | 104.36 | 105.89 | 103.57 | 104.61 | 1.12 | ppb |
| Copper | 63-2 | 1041.93 | 1028.69 | 1021.57 | 1030.73 | 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 | | | | 105 | | % |
| Holmium | 165-2 | | | | 109 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 103 | | % |
| Iron | 56-2 | 8046.39 | 7984.10 | 7912.13 | 7980.87 | 0.84 | ppb |
| Iron | 57-2 | 8322.14 | 8343.41 | 8252.09 | 8305.88 | 0.58 | ppb |
| Iron | 54-2 | 8488.16 | 8539.37 | 8443.31 | 8490.28 | 0.57 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MSDDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:51:04 | DataFile Name : | 083SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 499.16 | 498.52 | 489.91 | 495.86 | 1.04 | ppb |
| Lead | 207-1 | 495.65 | 497.49 | 487.65 | 493.59 | 1.06 | ppb |
| Lead | 208-1 | 493.59 | 495.81 | 488.42 | 492.61 | 0.77 | ppb |
| Lithium | 6-1 | | | | 112 | | % |
| Magnesium | 24-2 | 10382.63 | 10320.53 | 10120.68 | 10274.61 | 1.33 | ppb |
| Manganese | 55-2 | 1000.00 | 1020.36 | 1010.62 | 1010.32 | 1.01 | ppb |
| Molybdenum | 94-1 | 1279.48 | 1304.50 | 1342.97 | 1308.98 | 2.44 | ppb |
| Molybdenum | 95-1 | 1355.38 | 1343.99 | 1337.93 | 1345.77 | 0.66 | ppb |
| Molybdenum | 96-1 | 1357.70 | 1364.44 | 1325.11 | 1349.08 | 1.56 | ppb |
| Molybdenum | 97-1 | 1317.49 | 1342.45 | 1402.40 | 1354.11 | 3.22 | ppb |
| Molybdenum | 98-1 | 1330.41 | 1317.69 | 1373.52 | 1340.54 | 2.18 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 105.05 | 105.82 | 103.70 | 104.85 | 1.02 | ppb |
| Phosphorus | 31-2 | 41.71 | 53.16 | 38.77 | 44.55 | 17.06 | ppb |
| Potassium | 39-2 | 5169.11 | 5315.24 | 5276.61 | 5253.65 | 1.44 | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 109 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 100.69 | 102.47 | 102.37 | 101.84 | 0.98 | ppb |
| Selenium | 77-2 | 109.21 | 101.09 | 102.25 | 104.19 | 4.22 | ppb |
| Selenium | 78-2 | 102.08 | 101.26 | 98.99 | 100.78 | 1.59 | ppb |
| Silicon | 28-1 | 70.65 | 70.58 | 74.70 | 71.98 | 3.28 | ppb |
| Silver | 107-1 | 92.67 | 92.96 | 95.37 | 93.67 | 1.58 | ppb |
| Silver | 109-1 | 90.64 | 93.51 | 94.52 | 92.89 | 2.16 | ppb |
| Sodium | 23-2 | 9857.88 | 9893.82 | 9820.62 | 9857.44 | 0.37 | ppb |
| Strontium | 86-1 | 2205.73 | 2192.20 | 2243.52 | 2213.82 | 1.20 | ppb |
| Strontium | 88-1 | 2215.40 | 2237.87 | 2217.38 | 2223.55 | 0.56 | ppb |
| Sulfur | 34-1 | -1186.26 | -1107.39 | -1220.19 | -1171.28 | | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 107 | | % |
| Thallium | 203-1 | 87.95 | 89.03 | 86.97 | 87.98 | 1.17 | ppb |
| Thallium | 205-1 | 88.45 | 89.68 | 87.88 | 88.67 | 1.03 | ppb |
| Tin | 118-1 | 93.37 | 93.26 | 95.93 | 94.18 | 1.61 | ppb |
| Titanium | 47-1 | 1213.14 | 1252.36 | 1230.67 | 1232.06 | 1.59 | ppb |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MSDDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:51:04 | DataFile Name : | 083SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 87.37 | 87.74 | 86.39 | 87.17 | 0.80 | ppb |
| Vanadium | 51-2 | 113.24 | 112.96 | 112.98 | 113.06 | 0.14 | ppb |
| Yttrium | 89-1 | | | | 108 | | % |
| Yttrium | 89-2 | | | | 107 | | % |
| Zinc | 66-2 | 1037.96 | 1036.91 | 1032.58 | 1035.82 | 0.28 | ppb |
| Zirconium | 90-1 | 97.39 | 98.48 | 99.61 | 98.50 | 1.13 | ppb |
| Zirconium | 91-1 | 97.03 | 99.10 | 99.53 | 98.55 | 1.35 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08A | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:54:06 | DataFile Name : | 084SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 24813.47 | 24945.78 | 24928.69 | 24895.98 | 0.29 | ppb |
| Antimony | 121-1 | 511.30 | 516.07 | 521.23 | 516.20 | 0.96 | ppb |
| Arsenic | 75-2 | 439.77 | 433.04 | 440.88 | 437.90 | 0.97 | ppb |
| Barium | 135-1 | 2478.97 | 2490.76 | 2480.25 | 2483.33 | 0.26 | ppb |
| Barium | 137-1 | 2482.00 | 2523.33 | 2507.28 | 2504.20 | 0.83 | ppb |
| Beryllium | 9-1 | 540.56 | 547.75 | 546.46 | 544.92 | 0.70 | ppb |
| Bismuth | 209-1 | | | | 113 | | % |
| Bismuth | 209-2 | | | | 111 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 537.39 | 544.18 | 544.28 | 541.95 | 0.73 | ppb |
| Cadmium | 106-1 | 527.31 | 544.58 | 536.59 | 536.16 | 1.61 | ppb |
| Cadmium | 111-1 | 530.74 | 532.33 | 541.91 | 534.99 | 1.13 | ppb |
| Calcium | 43-1 | 56017.20 | 57319.75 | 55991.47 | 56442.81 | 1.35 | ppb |
| Calcium | 44-1 | 51341.56 | 51945.70 | 51189.47 | 51492.24 | 0.78 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 520.00 | 512.21 | 519.92 | 517.38 | 0.87 | ppb |
| Cobalt | 59-2 | 511.53 | 508.02 | 511.38 | 510.31 | 0.39 | ppb |
| Copper | 63-2 | 4913.00 | 4829.46 | 4765.17 | 4835.88 | 1.53 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 112 | | % |
| Holmium | 165-2 | | | | 113 | | % |
| Indium | 115-1 | | | | 107 | | % |
| Indium | 115-2 | | | | 103 | | % |
| Iron | 56-2 | 38142.52 | 38662.12 | 38756.63 | 38520.42 | 0.86 | ppb |
| Iron | 57-2 | 37707.28 | 38701.81 | 39257.23 | 38555.44 | 2.04 | ppb |
| Iron | 54-2 | 38766.57 | 38543.42 | 39388.04 | 38899.34 | 1.13 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08A | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:54:06 | DataFile Name : | 084SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2533.21 | 2521.42 | 2554.44 | 2536.36 | 0.66 | ppb |
| Lead | 207-1 | 2495.11 | 2491.30 | 2501.12 | 2495.84 | 0.20 | ppb |
| Lead | 208-1 | 2493.85 | 2512.17 | 2509.19 | 2505.07 | 0.39 | ppb |
| Lithium | 6-1 | | | | 122 | | % |
| Magnesium | 24-2 | 48690.65 | 49881.03 | 50139.95 | 49570.54 | 1.56 | ppb |
| Manganese | 55-2 | 4769.03 | 4824.52 | 4854.73 | 4816.09 | 0.90 | ppb |
| Molybdenum | 94-1 | 5665.45 | 5640.43 | 5653.36 | 5653.08 | 0.22 | ppb |
| Molybdenum | 95-1 | 5778.12 | 5817.89 | 5725.32 | 5773.78 | 0.80 | ppb |
| Molybdenum | 96-1 | 5793.48 | 5866.58 | 5797.08 | 5819.05 | 0.71 | ppb |
| Molybdenum | 97-1 | 5834.35 | 5774.28 | 5947.19 | 5851.94 | 1.50 | ppb |
| Molybdenum | 98-1 | 5833.02 | 5737.99 | 5870.66 | 5813.89 | 1.18 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 493.02 | 495.01 | 498.60 | 495.54 | 0.57 | ppb |
| Phosphorus | 31-2 | 217.44 | 236.92 | 203.26 | 219.21 | 7.71 | ppb |
| Potassium | 39-2 | 25584.11 | 25669.30 | 25654.81 | 25636.07 | 0.18 | ppb |
| Rhodium | 103-1 | | | | 105 | | % |
| Rhodium | 103-2 | | | | 103 | | % |
| Scandium | 45-1 | | | | 120 | | % |
| Scandium | 45-2 | | | | 109 | | % |
| Selenium | 82-1 | 433.48 | 439.17 | 442.59 | 438.41 | 1.05 | ppb |
| Selenium | 77-2 | 443.37 | 452.78 | 477.69 | 457.94 | 3.87 | ppb |
| Selenium | 78-2 | 424.14 | 439.07 | 433.33 | 432.18 | 1.74 | ppb |
| Silicon | 28-1 | 447.02 | 432.08 | 438.52 | 439.21 | 1.71 | ppb |
| Silver | 107-1 | 298.69 | 429.08 | 353.13 | 360.30 | 18.18 | ppb |
| Silver | 109-1 | 209.61 | 344.12 | 162.26 | 238.66 | 39.53 | ppb |
| Sodium | 23-2 | 47890.75 | 48075.82 | 47578.22 | 47848.26 | 0.53 | ppb |
| Strontium | 86-1 | 9401.96 | 9547.83 | 9711.48 | 9553.76 | 1.62 | ppb |
| Strontium | 88-1 | 9608.61 | 9627.55 | 9718.19 | 9651.45 | 0.61 | ppb |
| Sulfur | 34-1 | -1501.31 | -1447.83 | -1527.08 | -1492.07 | | ppb |
| Terbium | 159-1 | | | | 110 | | % |
| Terbium | 159-2 | | | | 109 | | % |
| Thallium | 203-1 | 509.82 | 514.59 | 531.44 | 518.62 | 2.19 | ppb |
| Thallium | 205-1 | 498.80 | 511.71 | 519.76 | 510.09 | 2.07 | ppb |
| Tin | 118-1 | 497.47 | 485.55 | 492.57 | 491.87 | 1.22 | ppb |
| Titanium | 47-1 | 5875.42 | 5899.93 | 5843.59 | 5872.98 | 0.48 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08A | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:54:06 | DataFile Name : | 084SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 505.79 | 499.44 | 519.06 | 508.09 | 1.97 | ppb |
| Vanadium | 51-2 | 539.67 | 556.61 | 558.24 | 551.51 | 1.86 | ppb |
| Yttrium | 89-1 | | | | 133 | | % |
| Yttrium | 89-2 | | | | 127 | | % |
| Zinc | 66-2 | 4991.44 | 4984.97 | 4910.40 | 4962.27 | 0.91 | ppb |
| Zirconium | 90-1 | 426.60 | 430.67 | 432.07 | 429.78 | 0.66 | ppb |
| Zirconium | 91-1 | 428.37 | 428.77 | 429.91 | 429.02 | 0.19 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08ADLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:56:51 | DataFile Name : | 085SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5209.51 | 5193.30 | 5169.68 | 5190.83 | 0.39 | ppb |
| Antimony | 121-1 | 93.76 | 99.23 | 96.32 | 96.44 | 2.84 | ppb |
| Arsenic | 75-2 | 97.57 | 98.24 | 98.84 | 98.21 | 0.65 | ppb |
| Barium | 135-1 | 440.09 | 462.79 | 455.70 | 452.86 | 2.56 | ppb |
| Barium | 137-1 | 450.51 | 469.26 | 461.91 | 460.56 | 2.05 | ppb |
| Beryllium | 9-1 | 107.24 | 111.07 | 107.62 | 108.64 | 1.94 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 107.71 | 112.39 | 105.67 | 108.59 | 3.17 | ppb |
| Cadmium | 106-1 | 103.05 | 107.37 | 105.01 | 105.14 | 2.05 | ppb |
| Cadmium | 111-1 | 104.71 | 109.75 | 106.82 | 107.09 | 2.36 | ppb |
| Calcium | 43-1 | 11588.92 | 11617.83 | 11449.97 | 11552.24 | 0.78 | ppb |
| Calcium | 44-1 | 10121.72 | 10493.80 | 10296.96 | 10304.16 | 1.81 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 109.67 | 108.06 | 108.65 | 108.79 | 0.75 | ppb |
| Cobalt | 59-2 | 104.18 | 104.37 | 103.98 | 104.17 | 0.19 | ppb |
| Copper | 63-2 | 1022.49 | 1008.67 | 1026.01 | 1019.06 | 0.90 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 105 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 101 | | % |
| Iron | 56-2 | 8070.02 | 7888.67 | 7878.65 | 7945.78 | 1.36 | ppb |
| Iron | 57-2 | 8347.88 | 8238.08 | 8281.95 | 8289.30 | 0.67 | ppb |
| Iron | 54-2 | 8436.48 | 8385.03 | 8360.34 | 8393.95 | 0.46 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08ADLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:56:51 | DataFile Name : | 085SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 483.57 | 475.41 | 473.56 | 477.51 | 1.11 | ppb |
| Lead | 207-1 | 478.00 | 480.34 | 470.70 | 476.35 | 1.06 | ppb |
| Lead | 208-1 | 483.86 | 479.48 | 480.67 | 481.34 | 0.47 | ppb |
| Lithium | 6-1 | | | | 114 | | % |
| Magnesium | 24-2 | 10045.48 | 10272.56 | 10318.69 | 10212.24 | 1.43 | ppb |
| Manganese | 55-2 | 1001.43 | 1002.27 | 994.74 | 999.48 | 0.41 | ppb |
| Molybdenum | 94-1 | 1256.11 | 1231.83 | 1266.62 | 1251.52 | 1.43 | ppb |
| Molybdenum | 95-1 | 1279.60 | 1290.29 | 1307.10 | 1292.33 | 1.07 | ppb |
| Molybdenum | 96-1 | 1259.15 | 1267.53 | 1289.14 | 1271.94 | 1.22 | ppb |
| Molybdenum | 97-1 | 1282.49 | 1287.71 | 1296.76 | 1288.98 | 0.56 | ppb |
| Molybdenum | 98-1 | 1278.02 | 1281.94 | 1310.54 | 1290.17 | 1.38 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 105.07 | 104.02 | 102.36 | 103.82 | 1.31 | ppb |
| Phosphorus | 31-2 | 37.24 | 30.78 | 32.35 | 33.46 | 10.07 | ppb |
| Potassium | 39-2 | 5256.10 | 5187.74 | 5157.65 | 5200.50 | 0.97 | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 108 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 99.58 | 97.34 | 98.77 | 98.56 | 1.15 | ppb |
| Selenium | 77-2 | 104.37 | 90.69 | 100.29 | 98.45 | 7.13 | ppb |
| Selenium | 78-2 | 99.74 | 97.90 | 103.06 | 100.23 | 2.61 | ppb |
| Silicon | 28-1 | 85.15 | 83.35 | 84.86 | 84.45 | 1.14 | ppb |
| Silver | 107-1 | 92.35 | 96.04 | 93.10 | 93.83 | 2.08 | ppb |
| Silver | 109-1 | 90.70 | 94.97 | 93.22 | 92.96 | 2.31 | ppb |
| Sodium | 23-2 | 9836.35 | 9769.19 | 9717.32 | 9774.29 | 0.61 | ppb |
| Strontium | 86-1 | 2129.27 | 2131.99 | 2166.67 | 2142.65 | 0.97 | ppb |
| Strontium | 88-1 | 2124.46 | 2153.91 | 2201.96 | 2160.11 | 1.81 | ppb |
| Sulfur | 34-1 | -1210.98 | -1178.67 | -1314.83 | -1234.83 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 85.40 | 87.64 | 86.86 | 86.63 | 1.31 | ppb |
| Thallium | 205-1 | 86.76 | 87.02 | 86.86 | 86.88 | 0.15 | ppb |
| Tin | 118-1 | 90.05 | 94.92 | 93.11 | 92.69 | 2.66 | ppb |
| Titanium | 47-1 | 1186.34 | 1218.55 | 1187.39 | 1197.43 | 1.53 | ppb |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08ADLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:56:51 | DataFile Name : | 085SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 84.43 | 86.17 | 85.83 | 85.48 | 1.08 | ppb |
| Vanadium | 51-2 | 114.91 | 111.79 | 113.38 | 113.36 | 1.38 | ppb |
| Yttrium | 89-1 | | | | 110 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 1021.24 | 1020.15 | 1009.74 | 1017.05 | 0.62 | ppb |
| Zirconium | 90-1 | 93.25 | 94.95 | 94.84 | 94.35 | 1.01 | ppb |
| Zirconium | 91-1 | 93.09 | 95.20 | 96.28 | 94.86 | 1.71 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-02RE | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MSR | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:59:53 | DataFile Name : | 086SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 9730.52 | 9647.25 | 9670.36 | 9682.71 | 0.44 | ppb |
| Antimony | 121-1 | 527.41 | 511.92 | 525.27 | 521.54 | 1.61 | ppb |
| Arsenic | 75-2 | 534.56 | 536.05 | 524.72 | 531.78 | 1.16 | ppb |
| Barium | 135-1 | 2456.86 | 2357.32 | 2435.69 | 2416.62 | 2.17 | ppb |
| Barium | 137-1 | 2471.89 | 2411.26 | 2446.15 | 2443.10 | 1.25 | ppb |
| Beryllium | 9-1 | 557.46 | 577.58 | 569.86 | 568.30 | 1.79 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 103 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 553.26 | 539.58 | 548.79 | 547.21 | 1.27 | ppb |
| Cadmium | 106-1 | 544.41 | 537.53 | 549.04 | 543.66 | 1.07 | ppb |
| Cadmium | 111-1 | 542.01 | 525.40 | 536.24 | 534.55 | 1.58 | ppb |
| Calcium | 43-1 | 71472.74 | 73704.36 | 74395.10 | 73190.73 | 2.09 | ppb |
| Calcium | 44-1 | 69094.60 | 70953.58 | 71060.37 | 70369.52 | 1.57 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 521.58 | 515.37 | 513.68 | 516.88 | 0.81 | ppb |
| Cobalt | 59-2 | 557.06 | 536.61 | 529.24 | 540.97 | 2.66 | ppb |
| Copper | 63-2 | 5085.22 | 5046.88 | 5003.62 | 5045.24 | 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 | | | | 104 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 29722.45 | 29558.70 | 28791.98 | 29357.71 | 1.69 | ppb |
| Iron | 57-2 | 29931.19 | 29153.18 | 29007.85 | 29364.07 | 1.69 | ppb |
| Iron | 54-2 | 29434.18 | 29383.99 | 29298.21 | 29372.13 | 0.23 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-02RE | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MSR | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:59:53 | DataFile Name : | 086SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2535.68 | 2548.94 | 2461.32 | 2515.31 | 1.88 | ppb |
| Lead | 207-1 | 2543.74 | 2524.34 | 2505.72 | 2524.60 | 0.75 | ppb |
| Lead | 208-1 | 2519.89 | 2524.55 | 2507.33 | 2517.26 | 0.35 | ppb |
| Lithium | 6-1 | | | | 113 | | % |
| Magnesium | 24-2 | 53058.55 | 52964.43 | 52566.31 | 52863.10 | 0.49 | ppb |
| Manganese | 55-2 | 5349.70 | 5344.91 | 5389.18 | 5361.26 | 0.45 | ppb |
| Molybdenum | 94-1 | 6734.11 | 6666.84 | 6851.94 | 6750.96 | 1.39 | ppb |
| Molybdenum | 95-1 | 6951.92 | 6975.09 | 7001.16 | 6976.06 | 0.35 | ppb |
| Molybdenum | 96-1 | 6922.37 | 7007.36 | 7080.45 | 7003.39 | 1.13 | ppb |
| Molybdenum | 97-1 | 7042.62 | 7005.50 | 7278.27 | 7108.80 | 2.08 | ppb |
| Molybdenum | 98-1 | 6939.63 | 7015.24 | 7060.99 | 7005.29 | 0.87 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 517.69 | 518.14 | 518.71 | 518.18 | 0.10 | ppb |
| Phosphorus | 31-2 | 64.93 | 80.43 | 74.76 | 73.37 | 10.69 | ppb |
| Potassium | 39-2 | 27407.91 | 27035.71 | 26837.10 | 27093.58 | 1.07 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 104 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | 524.77 | 524.67 | 542.45 | 530.63 | 1.93 | ppb |
| Selenium | 77-2 | 527.96 | 539.75 | 504.42 | 524.04 | 3.43 | ppb |
| Selenium | 78-2 | 519.55 | 532.29 | 524.33 | 525.39 | 1.23 | ppb |
| Silicon | 28-1 | 173.70 | 180.03 | 175.73 | 176.49 | 1.83 | ppb |
| Silver | 107-1 | 328.96 | 507.54 | 409.81 | 415.43 | 21.53 | ppb |
| Silver | 109-1 | 255.91 | 446.76 | 236.98 | 313.22 | 37.05 | ppb |
| Sodium | 23-2 | 111201.63 | 110478.80 | 108825.96 | 110168.80 | 1.11 | ppb |
| Strontium | 86-1 | 11523.11 | 11854.44 | 11866.93 | 11748.16 | 1.66 | ppb |
| Strontium | 88-1 | 11776.41 | 11610.49 | 12208.34 | 11865.08 | 2.60 | ppb |
| Sulfur | 34-1 | 1983.48 | 2218.91 | 2277.81 | 2160.07 | 7.21 | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 530.36 | 519.93 | 532.68 | 527.66 | 1.29 | ppb |
| Thallium | 205-1 | 536.67 | 514.99 | 532.91 | 528.19 | 2.19 | ppb |
| Tin | 118-1 | 480.72 | 464.89 | 480.82 | 475.48 | 1.93 | ppb |
| Titanium | 47-1 | 5850.82 | 6239.05 | 5912.67 | 6000.85 | 3.48 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-02RE | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MSR | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:59:53 | DataFile Name : | 086SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 531.47 | 536.36 | 536.03 | 534.62 | 0.51 | ppb |
| Vanadium | 51-2 | 546.34 | 540.99 | 538.04 | 541.79 | 0.78 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | 5175.21 | 5201.40 | 5128.12 | 5168.24 | 0.72 | ppb |
| Zirconium | 90-1 | 517.01 | 515.48 | 526.23 | 519.58 | 1.12 | ppb |
| Zirconium | 91-1 | 507.45 | 509.83 | 523.79 | 513.69 | 1.72 | ppb |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV06 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV06 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:02:38 | DataFile Name : | 087CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 50924.90 | 54056.21 | 45125.72 | 50035.61 | 9.06 | ppb |
| Antimony | 121-1 | 492.24 | 491.52 | 495.68 | 493.15 | 0.45 | ppb |
| Arsenic | 75-2 | 480.10 | 526.75 | 440.68 | 482.51 | 8.93 | ppb |
| Barium | 135-1 | 2397.83 | 2400.27 | 2373.13 | 2390.41 | 0.63 | ppb |
| Barium | 137-1 | 2393.60 | 2393.44 | 2402.82 | 2396.62 | 0.22 | ppb |
| Beryllium | 9-1 | 509.49 | 494.03 | 508.58 | 504.03 | 1.72 | ppb |
| Bismuth | 209-1 | | | | 103 | | % |
| Bismuth | 209-2 | | | | 102 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 479.97 | 465.31 | 493.73 | 479.67 | 2.96 | ppb |
| Cadmium | 106-1 | 481.74 | 477.19 | 488.44 | 482.46 | 1.17 | ppb |
| Cadmium | 111-1 | 465.18 | 470.21 | 477.58 | 470.99 | 1.32 | ppb |
| Calcium | 43-1 | 249363.27 | 252541.36 | 257890.90 | 253265.18 | 1.70 | ppb |
| Calcium | 44-1 | 248575.46 | 249445.36 | 259392.70 | 252471.17 | 2.38 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 485.71 | 523.34 | 439.78 | 482.94 | 8.67 | ppb |
| Cobalt | 59-2 | 482.33 | 510.05 | 431.47 | 474.61 | 8.40 | ppb |
| Copper | 63-2 | 4836.92 | 5218.39 | 4341.93 | 4799.08 | 9.16 | 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 | | | | 107 | | % |
| Holmium | 165-2 | | | | 109 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 127969.83 | 138377.88 | 114332.06 | 126893.26 | 9.50 | ppb |
| Iron | 57-2 | 127764.38 | 136953.62 | 115870.66 | 126862.88 | 8.33 | ppb |
| Iron | 54-2 | 130260.91 | 137533.14 | 113834.34 | 127209.46 | 9.54 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV06 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV06 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:02:38 | DataFile Name : | 087CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2421.55 | 2501.76 | 2465.91 | 2463.07 | 1.63 | ppb |
| Lead | 207-1 | 2419.34 | 2476.51 | 2401.91 | 2432.59 | 1.60 | ppb |
| Lead | 208-1 | 2397.11 | 2479.61 | 2450.36 | 2442.36 | 1.71 | ppb |
| Lithium | 6-1 | | | | 119 | | % |
| Magnesium | 24-2 | 253223.08 | 271521.89 | 224668.11 | 249804.36 | 9.45 | ppb |
| Manganese | 55-2 | 4897.43 | 5167.17 | 4338.95 | 4801.19 | 8.80 | ppb |
| Molybdenum | 94-1 | 5332.26 | 5181.13 | 5333.62 | 5282.34 | 1.66 | ppb |
| Molybdenum | 95-1 | 5220.17 | 5268.57 | 5259.10 | 5249.28 | 0.49 | ppb |
| Molybdenum | 96-1 | 5225.30 | 5382.51 | 5361.89 | 5323.23 | 1.60 | ppb |
| Molybdenum | 97-1 | 5385.00 | 5381.91 | 5415.77 | 5394.23 | 0.35 | ppb |
| Molybdenum | 98-1 | 5323.96 | 5268.80 | 5305.25 | 5299.34 | 0.53 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 469.07 | 500.89 | 418.10 | 462.68 | 9.03 | ppb |
| Phosphorus | 31-2 | 9673.80 | 10384.67 | 8695.30 | 9584.59 | 8.85 | ppb |
| Potassium | 39-2 | 124262.77 | 133646.32 | 112437.40 | 123448.83 | 8.61 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 108 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 481.11 | 483.15 | 479.50 | 481.25 | 0.38 | ppb |
| Selenium | 77-2 | 460.06 | 499.22 | 448.13 | 469.14 | 5.70 | ppb |
| Selenium | 78-2 | 463.64 | 512.56 | 426.13 | 467.44 | 9.27 | ppb |
| Silicon | 28-1 | 499.78 | 510.23 | 516.14 | 508.72 | 1.63 | ppb |
| Silver | 107-1 | 472.33 | 474.74 | 484.66 | 477.24 | 1.37 | ppb |
| Silver | 109-1 | 482.65 | 491.00 | 484.82 | 486.16 | 0.89 | ppb |
| Sodium | 23-2 | 253455.38 | 278590.69 | 231254.91 | 254433.66 | 9.31 | ppb |
| Strontium | 86-1 | 11935.59 | 11912.67 | 12171.34 | 12006.53 | 1.19 | ppb |
| Strontium | 88-1 | 11861.90 | 12111.57 | 12156.73 | 12043.40 | 1.32 | ppb |
| Sulfur | 34-1 | 8795.34 | 8838.41 | 9192.85 | 8942.20 | 2.44 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 107 | | % |
| Thallium | 203-1 | 488.45 | 501.43 | 499.35 | 496.41 | 1.40 | ppb |
| Thallium | 205-1 | 483.09 | 489.69 | 487.60 | 486.79 | 0.69 | ppb |
| Tin | 118-1 | 485.88 | 488.00 | 485.82 | 486.56 | 0.26 | ppb |
| Titanium | 47-1 | 5294.93 | 5334.68 | 5438.74 | 5356.12 | 1.39 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV06 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV06 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:02:38 | DataFile Name : | 087CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 488.14 | 491.74 | 494.66 | 491.51 | 0.67 | ppb |
| Vanadium | 51-2 | 492.16 | 534.84 | 445.04 | 490.68 | 9.15 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 4907.44 | 5208.36 | 4362.18 | 4825.99 | 8.89 | ppb |
| Zirconium | 90-1 | 491.96 | 485.15 | 492.96 | 490.02 | 0.87 | ppb |
| Zirconium | 91-1 | 479.06 | 480.83 | 487.68 | 482.52 | 0.94 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB06 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB06 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:14:03 | DataFile Name : | 089CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | -1.20 | -0.91 | -1.30 | -1.14 | | ppb |
| Antimony | 121-1 | 0.04 | 0.06 | 0.07 | 0.06 | 31.24 | ppb |
| Arsenic | 75-2 | 0.01 | -0.03 | -0.01 | -0.01 | | ppb |
| Barium | 135-1 | -0.01 | 0.00 | -0.02 | -0.01 | | ppb |
| Barium | 137-1 | 0.00 | 0.01 | 0.01 | 0.01 | 55.92 | ppb |
| Beryllium | 9-1 | 0.03 | 0.05 | 0.05 | 0.04 | 20.29 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.01 | -0.04 | -0.04 | -0.03 | | ppb |
| Cadmium | 106-1 | -3.15 | -2.42 | -1.91 | -2.49 | | ppb |
| Cadmium | 111-1 | -0.23 | -0.19 | -0.14 | -0.18 | | ppb |
| Calcium | 43-1 | -8.54 | -7.19 | -1.38 | -5.70 | | ppb |
| Calcium | 44-1 | -9.63 | -10.89 | -9.22 | -9.91 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.28 | -0.28 | -0.26 | -0.27 | | ppb |
| Cobalt | 59-2 | -0.01 | -0.01 | -0.01 | -0.01 | | ppb |
| Copper | 63-2 | 0.03 | 0.04 | 0.01 | 0.02 | 65.01 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 100 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 101 | | % |
| Iron | 56-2 | -1.58 | -1.73 | -1.30 | -1.54 | | ppb |
| Iron | 57-2 | -3.01 | -4.72 | -1.69 | -3.14 | | ppb |
| Iron | 54-2 | -0.88 | -1.54 | -1.33 | -1.25 | | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB06 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB06 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:14:03 | DataFile Name : | 089CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.00 | -0.01 | -0.01 | -0.01 | | ppb |
| Lead | 207-1 | -0.01 | 0.00 | 0.00 | 0.00 | | ppb |
| Lead | 208-1 | 0.00 | -0.01 | -0.01 | 0.00 | | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 1.68 | 0.94 | 1.25 | 1.29 | 28.50 | ppb |
| Manganese | 55-2 | -0.02 | -0.04 | -0.06 | -0.04 | | ppb |
| Molybdenum | 94-1 | 0.03 | -0.01 | 0.04 | 0.02 | 136.89 | ppb |
| Molybdenum | 95-1 | 0.03 | 0.02 | 0.01 | 0.02 | 31.53 | ppb |
| Molybdenum | 96-1 | 0.01 | 0.01 | 0.04 | 0.02 | 70.94 | ppb |
| Molybdenum | 97-1 | 0.02 | 0.00 | 0.01 | 0.01 | 89.99 | ppb |
| Molybdenum | 98-1 | 0.01 | 0.01 | 0.00 | 0.01 | 48.67 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.18 | -0.18 | -0.20 | -0.19 | | ppb |
| Phosphorus | 31-2 | -11.69 | -17.12 | -16.75 | -15.19 | | ppb |
| Potassium | 39-2 | -6.16 | -3.33 | -5.35 | -4.95 | | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 105 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | -0.17 | 0.09 | -0.09 | -0.06 | | ppb |
| Selenium | 77-2 | -0.13 | -0.13 | -0.13 | -0.13 | | ppb |
| Selenium | 78-2 | 1.66 | 0.16 | -0.40 | 0.47 | 226.45 | ppb |
| Silicon | 28-1 | -0.47 | -0.54 | -0.39 | -0.47 | | ppb |
| Silver | 107-1 | 0.03 | 0.01 | 0.01 | 0.02 | 54.10 | ppb |
| Silver | 109-1 | 0.02 | 0.02 | 0.01 | 0.02 | 46.07 | ppb |
| Sodium | 23-2 | 20.78 | 20.63 | 18.79 | 20.06 | 5.51 | ppb |
| Strontium | 86-1 | 0.05 | 0.02 | 0.04 | 0.04 | 38.04 | ppb |
| Strontium | 88-1 | 0.06 | 0.05 | 0.04 | 0.05 | 15.96 | ppb |
| Sulfur | 34-1 | -377.11 | -453.65 | -206.37 | -345.71 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.00 | 0.01 | 0.00 | 0.00 | 110.09 | ppb |
| Thallium | 205-1 | 0.01 | 0.00 | 0.01 | 0.01 | 20.32 | ppb |
| Tin | 118-1 | 0.00 | 0.01 | 0.05 | 0.02 | 132.01 | ppb |
| Titanium | 47-1 | 0.00 | -0.02 | 0.01 | 0.00 | | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB06 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB06 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:14:03 | DataFile Name : | 089CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | 42.23 | ppb |
| Vanadium | 51-2 | 0.00 | 0.01 | 0.02 | 0.01 | 62.27 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | -0.90 | -0.56 | -0.53 | -0.66 | | ppb |
| Zirconium | 90-1 | 0.01 | 0.00 | 0.01 | 0.01 | 23.36 | ppb |
| Zirconium | 91-1 | 0.01 | 0.00 | 0.03 | 0.01 | 86.66 | ppb |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-03RE | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MSDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:17:20 | DataFile Name : | 090SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 9744.88 | 9675.41 | 9726.89 | 9715.73 | 0.37 | ppb |
| Antimony | 121-1 | 517.57 | 524.55 | 518.71 | 520.28 | 0.72 | ppb |
| Arsenic | 75-2 | 534.83 | 532.64 | 521.52 | 529.66 | 1.35 | ppb |
| Barium | 135-1 | 2463.23 | 2456.78 | 2437.10 | 2452.37 | 0.55 | ppb |
| Barium | 137-1 | 2474.59 | 2493.54 | 2518.05 | 2495.40 | 0.87 | ppb |
| Beryllium | 9-1 | 556.13 | 583.99 | 569.14 | 569.75 | 2.45 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 547.96 | 545.48 | 553.12 | 548.85 | 0.71 | ppb |
| Cadmium | 106-1 | 537.56 | 540.12 | 541.12 | 539.60 | 0.34 | ppb |
| Cadmium | 111-1 | 527.79 | 541.96 | 538.07 | 535.94 | 1.37 | ppb |
| Calcium | 43-1 | 73310.18 | 74125.92 | 74002.50 | 73812.87 | 0.60 | ppb |
| Calcium | 44-1 | 68668.29 | 70394.66 | 70602.98 | 69888.64 | 1.52 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 518.93 | 516.59 | 516.44 | 517.32 | 0.27 | ppb |
| Cobalt | 59-2 | 541.38 | 542.39 | 547.55 | 543.77 | 0.61 | ppb |
| Copper | 63-2 | 5111.20 | 4985.44 | 4986.09 | 5027.58 | 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 | | | | 106 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 28997.13 | 28977.31 | 29256.06 | 29076.83 | 0.53 | ppb |
| Iron | 57-2 | 29312.52 | 29068.61 | 29427.27 | 29269.47 | 0.63 | ppb |
| Iron | 54-2 | 29050.30 | 29808.98 | 29404.53 | 29421.27 | 1.29 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-03RE | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MSD | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:17:20 | DataFile Name : | 090SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2558.89 | 2532.94 | 2500.82 | 2530.88 | 1.15 | ppb |
| Lead | 207-1 | 2494.98 | 2552.05 | 2482.50 | 2509.84 | 1.48 | ppb |
| Lead | 208-1 | 2505.67 | 2513.03 | 2483.76 | 2500.82 | 0.61 | ppb |
| Lithium | 6-1 | | | | 112 | | % |
| Magnesium | 24-2 | 52971.40 | 52778.68 | 52923.33 | 52891.14 | 0.19 | ppb |
| Manganese | 55-2 | 5244.35 | 5397.27 | 5342.86 | 5328.16 | 1.45 | ppb |
| Molybdenum | 94-1 | 6669.56 | 7035.85 | 6993.90 | 6899.77 | 2.91 | ppb |
| Molybdenum | 95-1 | 6939.25 | 7211.71 | 7238.54 | 7129.83 | 2.32 | ppb |
| Molybdenum | 96-1 | 7023.54 | 7058.92 | 7061.60 | 7048.02 | 0.30 | ppb |
| Molybdenum | 97-1 | 6890.61 | 7175.62 | 7096.28 | 7054.17 | 2.09 | ppb |
| Molybdenum | 98-1 | 7014.39 | 7170.03 | 7214.75 | 7133.06 | 1.47 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 513.22 | 518.01 | 517.63 | 516.29 | 0.52 | ppb |
| Phosphorus | 31-2 | 85.33 | 69.21 | 72.14 | 75.56 | 11.36 | ppb |
| Potassium | 39-2 | 27673.01 | 27193.83 | 27629.44 | 27498.76 | 0.96 | ppb |
| Rhodium | 103-1 | | | | 99 | | % |
| Rhodium | 103-2 | | | | 99 | | % |
| Scandium | 45-1 | | | | 107 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 515.16 | 524.95 | 532.05 | 524.05 | 1.62 | ppb |
| Selenium | 77-2 | 515.61 | 522.75 | 487.34 | 508.57 | 3.68 | ppb |
| Selenium | 78-2 | 528.94 | 508.03 | 509.85 | 515.61 | 2.25 | ppb |
| Silicon | 28-1 | 168.38 | 176.43 | 174.34 | 173.05 | 2.41 | ppb |
| Silver | 107-1 | 288.87 | 258.91 | 399.28 | 315.69 | 23.42 | ppb |
| Silver | 109-1 | 289.89 | 329.38 | 363.18 | 327.48 | 11.20 | ppb |
| Sodium | 23-2 | 112705.83 | 111621.83 | 111455.59 | 111927.75 | 0.61 | ppb |
| Strontium | 86-1 | 12066.80 | 12090.80 | 12150.54 | 12102.71 | 0.36 | ppb |
| Strontium | 88-1 | 11709.95 | 11956.67 | 12141.61 | 11936.08 | 1.81 | ppb |
| Sulfur | 34-1 | 2438.34 | 2407.36 | 2278.49 | 2374.73 | 3.57 | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 528.16 | 531.24 | 520.11 | 526.50 | 1.09 | ppb |
| Thallium | 205-1 | 533.09 | 534.53 | 514.16 | 527.26 | 2.16 | ppb |
| Tin | 118-1 | 459.82 | 483.48 | 489.37 | 477.56 | 3.27 | ppb |
| Titanium | 47-1 | 5808.42 | 5995.19 | 5922.99 | 5908.87 | 1.59 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-03RE | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MSD | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:17:20 | DataFile Name : | 090SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 514.99 | 526.35 | 517.57 | 519.64 | 1.15 | ppb |
| Vanadium | 51-2 | 545.99 | 544.72 | 536.56 | 542.42 | 0.94 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 5217.13 | 5121.60 | 5099.30 | 5146.01 | 1.22 | ppb |
| Zirconium | 90-1 | 512.78 | 523.68 | 528.60 | 521.69 | 1.55 | ppb |
| Zirconium | 91-1 | 506.94 | 519.77 | 525.99 | 517.57 | 1.88 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01ARE | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124ARE | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:20:08 | DataFile Name : | 091SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 9821.12 | 9837.50 | 9719.84 | 9792.82 | 0.65 | ppb |
| Antimony | 121-1 | 529.19 | 1409.94 | 606.82 | 848.65 | 57.46 | ppb |
| Arsenic | 75-2 | 546.04 | 533.67 | 538.92 | 539.55 | 1.15 | ppb |
| Barium | 135-1 | 2397.31 | 6585.03 | 2815.26 | 3932.53 | 58.65 | ppb |
| Barium | 137-1 | 2437.40 | 6610.63 | 2834.62 | 3960.88 | 58.15 | ppb |
| Beryllium | 9-1 | 577.34 | 1357.45 | 679.55 | 871.45 | 48.65 | ppb |
| Bismuth | 209-1 | | | | 80 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 553.63 | 1504.90 | 631.82 | 896.78 | 58.89 | ppb |
| Cadmium | 106-1 | 543.29 | 1483.79 | 619.71 | 882.26 | 59.20 | ppb |
| Cadmium | 111-1 | 528.99 | 1487.93 | 619.29 | 878.74 | 60.26 | ppb |
| Calcium | 43-1 | 70906.96 | 188506.60 | 88254.97 | 115889.51 | 54.78 | ppb |
| Calcium | 44-1 | 67855.07 | 181518.34 | 84264.04 | 111212.48 | 55.24 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 524.39 | 521.19 | 519.37 | 521.65 | 0.49 | ppb |
| Cobalt | 59-2 | 551.22 | 552.82 | 549.69 | 551.24 | 0.28 | ppb |
| Copper | 63-2 | 5114.17 | 5133.22 | 5123.62 | 5123.67 | 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 | | | | 80 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 77 | | % |
| Indium | 115-2 | | | | 101 | | % |
| Iron | 56-2 | 29238.17 | 28995.23 | 29238.10 | 29157.17 | 0.48 | ppb |
| Iron | 57-2 | 29770.84 | 29338.94 | 29701.97 | 29603.92 | 0.78 | ppb |
| Iron | 54-2 | 29751.02 | 29556.00 | 29373.48 | 29560.16 | 0.64 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01ARE | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124ARE | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:20:08 | DataFile Name : | 091SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2473.30 | 6885.89 | 2889.68 | 4082.96 | 59.67 | ppb |
| Lead | 207-1 | 2435.79 | 6853.49 | 2914.13 | 4067.80 | 59.60 | ppb |
| Lead | 208-1 | 2459.50 | 6861.50 | 2879.10 | 4066.70 | 59.74 | ppb |
| Lithium | 6-1 | | | | 89 | | % |
| Magnesium | 24-2 | 53560.37 | 52835.54 | 51760.83 | 52718.91 | 1.72 | ppb |
| Manganese | 55-2 | 5477.04 | 5336.03 | 5328.70 | 5380.59 | 1.55 | ppb |
| Molybdenum | 94-1 | 6816.99 | 17960.97 | 7897.60 | 10891.85 | 56.43 | ppb |
| Molybdenum | 95-1 | 6984.32 | 18375.12 | 8241.45 | 11200.30 | 55.76 | ppb |
| Molybdenum | 96-1 | 6895.58 | 18499.52 | 8098.86 | 11164.65 | 57.15 | ppb |
| Molybdenum | 97-1 | 7008.30 | 18643.14 | 8115.74 | 11255.73 | 57.05 | ppb |
| Molybdenum | 98-1 | 7040.34 | 18645.98 | 8099.14 | 11261.82 | 56.98 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 524.33 | 528.25 | 526.61 | 526.40 | 0.37 | ppb |
| Phosphorus | 31-2 | 78.86 | 76.93 | 75.63 | 77.14 | 2.11 | ppb |
| Potassium | 39-2 | 27547.63 | 27645.31 | 27490.10 | 27561.01 | 0.28 | ppb |
| Rhodium | 103-1 | | | | 76 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 82 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 529.87 | 1388.64 | 615.06 | 844.52 | 56.02 | ppb |
| Selenium | 77-2 | 527.01 | 518.25 | 505.24 | 516.83 | 2.12 | ppb |
| Selenium | 78-2 | 522.57 | 514.31 | 542.94 | 526.61 | 2.80 | ppb |
| Silicon | 28-1 | 165.89 | 448.90 | 209.36 | 274.72 | 55.48 | ppb |
| Silver | 107-1 | 351.88 | 932.11 | 542.27 | 608.75 | 48.59 | ppb |
| Silver | 109-1 | 309.40 | 988.77 | 405.05 | 567.74 | 64.77 | ppb |
| Sodium | 23-2 | 110545.83 | 113996.14 | 113204.93 | 112582.30 | 1.61 | ppb |
| Strontium | 86-1 | 11712.69 | 31371.70 | 13905.28 | 18996.55 | 56.71 | ppb |
| Strontium | 88-1 | 11860.80 | 30888.23 | 14012.83 | 18920.62 | 55.07 | ppb |
| Sulfur | 34-1 | 1799.43 | 15829.23 | 3764.97 | 7131.21 | 106.53 | ppb |
| Terbium | 159-1 | | | | 80 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 516.54 | 1445.28 | 609.09 | 856.97 | 59.70 | ppb |
| Thallium | 205-1 | 518.82 | 1449.31 | 603.12 | 857.09 | 60.04 | ppb |
| Tin | 118-1 | 466.83 | 1343.71 | 542.71 | 784.42 | 61.94 | ppb |
| Titanium | 47-1 | 5783.64 | 15256.95 | 7072.15 | 9370.92 | 54.83 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01ARE | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124ARE | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:20:08 | DataFile Name : | 091SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 515.64 | 1479.50 | 602.92 | 866.02 | 61.56 | ppb |
| Vanadium | 51-2 | 546.16 | 548.66 | 548.51 | 547.78 | 0.26 | ppb |
| Yttrium | 89-1 | | | | 80 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 5040.96 | 5184.33 | 5101.01 | 5108.77 | 1.41 | ppb |
| Zirconium | 90-1 | 523.08 | 1376.73 | 607.51 | 835.77 | 56.28 | ppb |
| Zirconium | 91-1 | 515.51 | 1360.10 | 605.01 | 826.87 | 56.11 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162888BL | Instrumnet Name : | P7 |
| Client Sample ID : | PB162888BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:22:54 | DataFile Name : | 092CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | -0.89 | -0.32 | -0.87 | -0.69 | | ppb |
| Antimony | 121-1 | 0.42 | 0.46 | 0.48 | 0.45 | 6.81 | ppb |
| Arsenic | 75-2 | 0.04 | 0.05 | 0.00 | 0.03 | 79.62 | ppb |
| Barium | 135-1 | 0.13 | 0.07 | 0.09 | 0.10 | 28.30 | ppb |
| Barium | 137-1 | 0.14 | 0.11 | 0.10 | 0.11 | 18.48 | ppb |
| Beryllium | 9-1 | 0.15 | 0.13 | 0.12 | 0.13 | 11.46 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.10 | 0.13 | -0.04 | 0.06 | 143.70 | ppb |
| Cadmium | 106-1 | -0.15 | -2.24 | -1.92 | -1.44 | | ppb |
| Cadmium | 111-1 | 0.00 | -0.15 | -0.14 | -0.09 | | ppb |
| Calcium | 43-1 | -1.56 | 0.14 | -1.25 | -0.89 | | ppb |
| Calcium | 44-1 | -7.17 | -6.23 | -6.50 | -6.63 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.23 | -0.26 | -0.24 | -0.25 | | ppb |
| Cobalt | 59-2 | 0.01 | 0.02 | 0.02 | 0.02 | 56.42 | ppb |
| Copper | 63-2 | 0.24 | 0.23 | 0.21 | 0.23 | 6.22 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | -0.93 | -0.76 | -0.83 | -0.84 | | ppb |
| Iron | 57-2 | -2.54 | 0.77 | -4.37 | -2.04 | | ppb |
| Iron | 54-2 | -1.22 | -1.14 | -0.17 | -0.84 | | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162888BL | Instrumnet Name : | P7 |
| Client Sample ID : | PB162888BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:22:54 | DataFile Name : | 092CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.19 | 0.16 | 0.25 | 0.20 | 22.32 | ppb |
| Lead | 207-1 | 0.17 | 0.13 | 0.22 | 0.17 | 23.89 | ppb |
| Lead | 208-1 | 0.18 | 0.15 | 0.22 | 0.18 | 20.23 | ppb |
| Lithium | 6-1 | | | | 117 | | % |
| Magnesium | 24-2 | 2.50 | 2.57 | 2.40 | 2.49 | 3.39 | ppb |
| Manganese | 55-2 | 0.16 | 0.17 | 0.18 | 0.17 | 5.51 | ppb |
| Molybdenum | 94-1 | 0.56 | 0.50 | 0.53 | 0.53 | 5.60 | ppb |
| Molybdenum | 95-1 | 0.57 | 0.52 | 0.48 | 0.53 | 8.75 | ppb |
| Molybdenum | 96-1 | 0.58 | 0.52 | 0.51 | 0.53 | 7.30 | ppb |
| Molybdenum | 97-1 | 0.60 | 0.50 | 0.41 | 0.50 | 18.76 | ppb |
| Molybdenum | 98-1 | 0.55 | 0.47 | 0.49 | 0.50 | 7.98 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.14 | -0.14 | -0.14 | -0.14 | | ppb |
| Phosphorus | 31-2 | -16.93 | -18.36 | -21.42 | -18.90 | | ppb |
| Potassium | 39-2 | -2.06 | -1.57 | -4.85 | -2.83 | | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 101 | | % |
| Scandium | 45-1 | | | | 106 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | -0.25 | 0.45 | 0.52 | 0.24 | 180.27 | ppb |
| Selenium | 77-2 | -0.13 | 0.99 | -0.13 | 0.24 | 262.53 | ppb |
| Selenium | 78-2 | 1.11 | -1.01 | 0.02 | 0.04 | 2587.96 | ppb |
| Silicon | 28-1 | 0.02 | 0.01 | -0.12 | -0.03 | | ppb |
| Silver | 107-1 | 0.42 | 0.14 | 0.08 | 0.21 | 86.30 | ppb |
| Silver | 109-1 | 0.43 | 0.11 | 0.06 | 0.20 | 99.40 | ppb |
| Sodium | 23-2 | 37.72 | 38.52 | 34.69 | 36.98 | 5.46 | ppb |
| Strontium | 86-1 | 0.61 | 0.50 | 0.50 | 0.54 | 11.54 | ppb |
| Strontium | 88-1 | 0.61 | 0.50 | 0.45 | 0.52 | 15.81 | ppb |
| Sulfur | 34-1 | -670.61 | -449.80 | -605.37 | -575.26 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 0.04 | 0.03 | 0.07 | 0.05 | 39.28 | ppb |
| Thallium | 205-1 | 0.04 | 0.04 | 0.06 | 0.05 | 29.46 | ppb |
| Tin | 118-1 | 0.10 | 0.13 | 0.14 | 0.12 | 17.64 | ppb |
| Titanium | 47-1 | 0.38 | 0.38 | 0.43 | 0.40 | 6.97 | ppb |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162888BL | Instrumnet Name : | P7 |
| Client Sample ID : | PB162888BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:22:54 | DataFile Name : | 092CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.03 | 0.02 | 0.03 | 0.02 | 17.80 | ppb |
| Vanadium | 51-2 | 0.02 | 0.03 | 0.02 | 0.02 | 26.71 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | -0.26 | -0.23 | -0.05 | -0.18 | | ppb |
| Zirconium | 90-1 | 0.05 | 0.04 | 0.04 | 0.04 | 11.13 | ppb |
| Zirconium | 91-1 | 0.02 | 0.04 | 0.06 | 0.04 | 42.42 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162888BS | Instrumnet Name : | P7 |
| Client Sample ID : | PB162888BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:26:14 | DataFile Name : | 093LCSS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 10350.39 | 10192.81 | 10393.38 | 10312.20 | 1.02 | ppb |
| Antimony | 121-1 | 494.83 | 521.47 | 499.74 | 505.35 | 2.81 | ppb |
| Arsenic | 75-2 | 504.46 | 487.37 | 488.93 | 493.59 | 1.91 | ppb |
| Barium | 135-1 | 2436.55 | 2588.82 | 2498.39 | 2507.92 | 3.05 | ppb |
| Barium | 137-1 | 2491.51 | 2582.40 | 2505.13 | 2526.35 | 1.94 | ppb |
| Beryllium | 9-1 | 525.46 | 524.65 | 513.72 | 521.28 | 1.26 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 500.54 | 513.12 | 505.19 | 506.28 | 1.26 | ppb |
| Cadmium | 106-1 | 497.97 | 518.06 | 501.15 | 505.73 | 2.14 | ppb |
| Cadmium | 111-1 | 487.89 | 507.98 | 499.82 | 498.56 | 2.03 | ppb |
| Calcium | 43-1 | 59383.17 | 60970.70 | 60098.14 | 60150.67 | 1.32 | ppb |
| Calcium | 44-1 | 54596.74 | 55024.87 | 55029.95 | 54883.85 | 0.45 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 504.32 | 510.11 | 508.42 | 507.62 | 0.59 | ppb |
| Cobalt | 59-2 | 508.63 | 524.56 | 514.89 | 516.03 | 1.55 | ppb |
| Copper | 63-2 | 5133.75 | 5245.96 | 5215.79 | 5198.50 | 1.12 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 105 | | % |
| Holmium | 165-2 | | | | 108 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 26726.40 | 27457.50 | 26986.70 | 27056.87 | 1.37 | ppb |
| Iron | 57-2 | 27779.68 | 28383.01 | 28141.43 | 28101.37 | 1.08 | ppb |
| Iron | 54-2 | 27731.84 | 27843.39 | 27689.18 | 27754.81 | 0.29 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162888BS | Instrumnet Name : | P7 |
| Client Sample ID : | PB162888BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:26:14 | DataFile Name : | 093LCSS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2531.89 | 2551.84 | 2540.35 | 2541.36 | 0.39 | ppb |
| Lead | 207-1 | 2450.04 | 2552.20 | 2523.89 | 2508.71 | 2.10 | ppb |
| Lead | 208-1 | 2483.08 | 2534.87 | 2527.03 | 2515.00 | 1.11 | ppb |
| Lithium | 6-1 | | | | 116 | | % |
| Magnesium | 24-2 | 52662.60 | 51613.27 | 52605.12 | 52293.67 | 1.13 | ppb |
| Manganese | 55-2 | 5026.10 | 5162.25 | 5064.20 | 5084.18 | 1.38 | ppb |
| Molybdenum | 94-1 | 5554.08 | 5519.44 | 5507.38 | 5526.97 | 0.44 | ppb |
| Molybdenum | 95-1 | 5490.17 | 5494.58 | 5567.35 | 5517.37 | 0.79 | ppb |
| Molybdenum | 96-1 | 5566.15 | 5547.84 | 5540.54 | 5551.51 | 0.24 | ppb |
| Molybdenum | 97-1 | 5620.18 | 5522.61 | 5508.65 | 5550.48 | 1.09 | ppb |
| Molybdenum | 98-1 | 5405.60 | 5441.69 | 5460.61 | 5435.97 | 0.51 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 507.15 | 508.71 | 509.85 | 508.57 | 0.27 | ppb |
| Phosphorus | 31-2 | 10086.35 | 9913.38 | 9879.80 | 9959.84 | 1.11 | ppb |
| Potassium | 39-2 | 26101.77 | 25959.43 | 25476.12 | 25845.78 | 1.27 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 106 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | 498.82 | 500.01 | 496.35 | 498.39 | 0.37 | ppb |
| Selenium | 77-2 | 498.25 | 467.09 | 505.76 | 490.37 | 4.18 | ppb |
| Selenium | 78-2 | 510.93 | 485.42 | 500.44 | 498.93 | 2.57 | ppb |
| Silicon | 28-1 | 506.57 | 505.22 | 521.99 | 511.26 | 1.82 | ppb |
| Silver | 107-1 | 500.53 | 531.62 | 512.03 | 514.73 | 3.05 | ppb |
| Silver | 109-1 | 504.38 | 538.22 | 518.83 | 520.48 | 3.26 | ppb |
| Sodium | 23-2 | 53120.36 | 52607.52 | 53613.28 | 53113.72 | 0.95 | ppb |
| Strontium | 86-1 | 12799.95 | 12611.90 | 12613.99 | 12675.28 | 0.85 | ppb |
| Strontium | 88-1 | 12626.71 | 12414.38 | 12406.91 | 12482.67 | 1.00 | ppb |
| Sulfur | 34-1 | 9327.16 | 9780.65 | 9779.04 | 9628.95 | 2.71 | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 506.28 | 511.04 | 515.04 | 510.79 | 0.86 | ppb |
| Thallium | 205-1 | 503.72 | 507.49 | 508.13 | 506.45 | 0.47 | ppb |
| Tin | 118-1 | 507.04 | 515.87 | 516.89 | 513.27 | 1.05 | ppb |
| Titanium | 47-1 | 5458.41 | 5716.91 | 5591.12 | 5588.81 | 2.31 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162888BS | Instrumnet Name : | P7 |
| Client Sample ID : | PB162888BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:26:14 | DataFile Name : | 093LCSS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 478.71 | 488.08 | 498.26 | 488.35 | 2.00 | ppb |
| Vanadium | 51-2 | 508.55 | 514.33 | 502.46 | 508.45 | 1.17 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 5083.23 | 5216.64 | 5082.08 | 5127.32 | 1.51 | ppb |
| Zirconium | 90-1 | 499.58 | 500.23 | 501.64 | 500.48 | 0.21 | ppb |
| Zirconium | 91-1 | 499.94 | 494.48 | 494.85 | 496.42 | 0.61 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-01 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0-0.5-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:29:01 | DataFile Name : | 094SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 80452.78 | 81356.02 | 79554.56 | 80454.45 | 1.12 | ppb |
| Antimony | 121-1 | 3.37 | 3.28 | 3.26 | 3.31 | 1.78 | ppb |
| Arsenic | 75-2 | 45.42 | 44.03 | 44.95 | 44.80 | 1.58 | ppb |
| Barium | 135-1 | 561.85 | 548.96 | 537.40 | 549.40 | 2.23 | ppb |
| Barium | 137-1 | 600.91 | 583.19 | 581.85 | 588.65 | 1.81 | ppb |
| Beryllium | 9-1 | 5.91 | 6.21 | 6.26 | 6.13 | 3.12 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 13.65 | 13.79 | 14.86 | 14.10 | 4.69 | ppb |
| Cadmium | 106-1 | 18.54 | 18.06 | 16.55 | 17.72 | 5.88 | ppb |
| Cadmium | 111-1 | 10.92 | 10.71 | 10.12 | 10.59 | 3.91 | ppb |
| Calcium | 43-1 | 62749.13 | 64841.74 | 65740.33 | 64443.73 | 2.38 | ppb |
| Calcium | 44-1 | 64908.10 | 65381.11 | 66360.43 | 65549.88 | 1.13 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 270.56 | 271.20 | 270.30 | 270.69 | 0.17 | ppb |
| Cobalt | 59-2 | 206.70 | 207.00 | 203.92 | 205.87 | 0.83 | ppb |
| Copper | 63-2 | 1065.62 | 1076.75 | 1058.61 | 1066.99 | 0.86 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 104 | | % |
| Holmium | 165-2 | | | | 109 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 157920.92 | 160548.89 | 157292.91 | 158587.57 | 1.09 | ppb |
| Iron | 57-2 | 156266.75 | 160833.80 | 154491.55 | 157197.37 | 2.08 | ppb |
| Iron | 54-2 | 159206.73 | 157985.61 | 159789.58 | 158993.98 | 0.58 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-01 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0-0.5-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:29:01 | DataFile Name : | 094SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1006.22 | 1018.30 | 1008.30 | 1010.94 | 0.64 | ppb |
| Lead | 207-1 | 957.87 | 987.64 | 961.66 | 969.06 | 1.67 | ppb |
| Lead | 208-1 | 982.68 | 996.48 | 982.88 | 987.35 | 0.80 | ppb |
| Lithium | 6-1 | | | | 114 | | % |
| Magnesium | 24-2 | 20806.26 | 21189.77 | 21029.59 | 21008.54 | 0.92 | ppb |
| Manganese | 55-2 | 3264.55 | 3263.87 | 3231.22 | 3253.21 | 0.59 | ppb |
| Molybdenum | 94-1 | 74.06 | 73.85 | 72.62 | 73.51 | 1.06 | ppb |
| Molybdenum | 95-1 | 9.74 | 9.87 | 9.49 | 9.70 | 2.02 | ppb |
| Molybdenum | 96-1 | 17.48 | 17.29 | 17.35 | 17.37 | 0.55 | ppb |
| Molybdenum | 97-1 | 9.89 | 9.74 | 9.60 | 9.74 | 1.50 | ppb |
| Molybdenum | 98-1 | 9.81 | 9.67 | 9.37 | 9.62 | 2.34 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 419.65 | 415.46 | 412.65 | 415.92 | 0.85 | ppb |
| Phosphorus | 31-2 | 4712.33 | 4756.81 | 4813.03 | 4760.73 | 1.06 | ppb |
| Potassium | 39-2 | 4382.70 | 4393.11 | 4293.26 | 4356.36 | 1.26 | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 115 | | % |
| Scandium | 45-2 | | | | 107 | | % |
| Selenium | 82-1 | 4.93 | 6.28 | 5.07 | 5.43 | 13.74 | ppb |
| Selenium | 77-2 | 33.54 | 36.43 | 40.10 | 36.69 | 8.96 | ppb |
| Selenium | 78-2 | 10.17 | 10.41 | 10.14 | 10.24 | 1.42 | ppb |
| Silicon | 28-1 | 708.09 | 712.43 | 715.88 | 712.14 | 0.55 | ppb |
| Silver | 107-1 | 16.56 | 16.31 | 16.18 | 16.35 | 1.17 | ppb |
| Silver | 109-1 | 16.65 | 16.42 | 15.97 | 16.35 | 2.13 | ppb |
| Sodium | 23-2 | 4131.36 | 4266.08 | 4109.92 | 4169.12 | 2.03 | ppb |
| Strontium | 86-1 | 291.72 | 294.13 | 288.36 | 291.40 | 0.99 | ppb |
| Strontium | 88-1 | 296.12 | 290.63 | 286.80 | 291.18 | 1.61 | ppb |
| Sulfur | 34-1 | 9040.38 | 8966.60 | 9104.93 | 9037.31 | 0.77 | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 108 | | % |
| Thallium | 203-1 | 1.03 | 1.06 | 1.02 | 1.04 | 2.18 | ppb |
| Thallium | 205-1 | 1.05 | 1.07 | 1.03 | 1.05 | 1.97 | ppb |
| Tin | 118-1 | 56.74 | 56.97 | 55.21 | 56.31 | 1.70 | ppb |
| Titanium | 47-1 | 1528.91 | 1546.44 | 1549.48 | 1541.61 | 0.72 | ppb |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-01 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0-0.5-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:29:01 | DataFile Name : | 094SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 10.35 | 10.60 | 10.41 | 10.46 | 1.22 | ppb |
| Vanadium | 51-2 | 282.74 | 282.57 | 279.99 | 281.76 | 0.55 | ppb |
| Yttrium | 89-1 | | | | 127 | | % |
| Yttrium | 89-2 | | | | 127 | | % |
| Zinc | 66-2 | 1737.56 | 1733.17 | 1707.85 | 1726.20 | 0.93 | ppb |
| Zirconium | 90-1 | 33.90 | 34.17 | 34.03 | 34.03 | 0.40 | ppb |
| Zirconium | 91-1 | 34.34 | 34.40 | 33.83 | 34.19 | 0.92 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-01DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0-0.5-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 21:32:04 | DataFile Name : | 095SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 17091.60 | 16983.33 | 16914.62 | 16996.52 | 0.52 | ppb |
| Antimony | 121-1 | 0.69 | 0.69 | 0.69 | 0.69 | 0.41 | ppb |
| Arsenic | 75-2 | 11.05 | 10.66 | 11.12 | 10.95 | 2.26 | ppb |
| Barium | 135-1 | 108.27 | 110.22 | 108.06 | 108.85 | 1.10 | ppb |
| Barium | 137-1 | 108.80 | 111.68 | 108.44 | 109.64 | 1.62 | ppb |
| Beryllium | 9-1 | 1.23 | 1.17 | 1.28 | 1.23 | 4.23 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 3.34 | 3.21 | 2.91 | 3.15 | 6.91 | ppb |
| Cadmium | 106-1 | 2.05 | 1.98 | 1.41 | 1.81 | 19.41 | ppb |
| Cadmium | 111-1 | 2.08 | 2.09 | 1.95 | 2.04 | 3.82 | ppb |
| Calcium | 43-1 | 14246.08 | 14408.45 | 14532.13 | 14395.55 | 1.00 | ppb |
| Calcium | 44-1 | 13446.22 | 13780.16 | 13662.34 | 13629.57 | 1.24 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 55.92 | 54.92 | 56.45 | 55.77 | 1.40 | ppb |
| Cobalt | 59-2 | 42.84 | 42.20 | 43.47 | 42.84 | 1.48 | ppb |
| Copper | 63-2 | 218.99 | 216.89 | 218.85 | 218.24 | 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 | | | | 105 | | % |
| Holmium | 165-2 | | | | 108 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 103 | | % |
| Iron | 56-2 | 33452.60 | 32828.02 | 33425.48 | 33235.37 | 1.06 | ppb |
| Iron | 57-2 | 33660.49 | 33004.86 | 33161.25 | 33275.53 | 1.03 | ppb |
| Iron | 54-2 | 33813.23 | 33099.72 | 33213.47 | 33375.48 | 1.15 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-01DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0-0.5-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 21:32:04 | DataFile Name : | 095SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 177.69 | 179.94 | 179.74 | 179.12 | 0.70 | ppb |
| Lead | 207-1 | 168.47 | 170.39 | 166.88 | 168.58 | 1.04 | ppb |
| Lead | 208-1 | 184.52 | 185.73 | 172.50 | 180.91 | 4.04 | ppb |
| Lithium | 6-1 | | | | 115 | | % |
| Magnesium | 24-2 | 4540.46 | 4524.04 | 4543.12 | 4535.87 | 0.23 | ppb |
| Manganese | 55-2 | 684.57 | 679.34 | 692.60 | 685.50 | 0.97 | ppb |
| Molybdenum | 94-1 | 16.63 | 17.04 | 17.00 | 16.89 | 1.35 | ppb |
| Molybdenum | 95-1 | 2.24 | 2.30 | 2.21 | 2.25 | 2.02 | ppb |
| Molybdenum | 96-1 | 4.11 | 4.12 | 4.00 | 4.08 | 1.64 | ppb |
| Molybdenum | 97-1 | 2.27 | 2.25 | 2.29 | 2.27 | 0.93 | ppb |
| Molybdenum | 98-1 | 2.22 | 2.27 | 2.25 | 2.24 | 1.09 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 87.58 | 87.70 | 88.15 | 87.81 | 0.34 | ppb |
| Phosphorus | 31-2 | 1029.71 | 982.78 | 964.35 | 992.28 | 3.40 | ppb |
| Potassium | 39-2 | 947.84 | 941.10 | 955.21 | 948.05 | 0.74 | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 103 | | % |
| Scandium | 45-1 | | | | 109 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 1.20 | 1.65 | 0.76 | 1.20 | 37.06 | ppb |
| Selenium | 77-2 | 10.28 | 9.40 | 9.02 | 9.57 | 6.76 | ppb |
| Selenium | 78-2 | 0.91 | 2.97 | 1.87 | 1.92 | 53.67 | ppb |
| Silicon | 28-1 | 148.80 | 150.46 | 150.19 | 149.82 | 0.60 | ppb |
| Silver | 107-1 | 3.34 | 3.32 | 3.29 | 3.32 | 0.71 | ppb |
| Silver | 109-1 | 3.27 | 3.33 | 3.25 | 3.28 | 1.19 | ppb |
| Sodium | 23-2 | 930.21 | 930.12 | 934.39 | 931.58 | 0.26 | ppb |
| Strontium | 86-1 | 66.47 | 68.57 | 67.87 | 67.64 | 1.58 | ppb |
| Strontium | 88-1 | 66.42 | 68.43 | 67.65 | 67.50 | 1.50 | ppb |
| Sulfur | 34-1 | 617.40 | 831.47 | 683.23 | 710.70 | 15.43 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 0.21 | 0.21 | 0.19 | 0.20 | 5.35 | ppb |
| Thallium | 205-1 | 0.22 | 0.21 | 0.20 | 0.21 | 5.56 | ppb |
| Tin | 118-1 | 10.40 | 10.56 | 10.45 | 10.47 | 0.80 | ppb |
| Titanium | 47-1 | 317.52 | 329.37 | 328.08 | 324.99 | 2.00 | ppb |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-01DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0-0.5-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 21:32:04 | DataFile Name : | 095SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 2.04 | 2.04 | 2.01 | 2.03 | 0.77 | ppb |
| Vanadium | 51-2 | 58.40 | 57.67 | 58.43 | 58.17 | 0.74 | ppb |
| Yttrium | 89-1 | | | | 109 | | % |
| Yttrium | 89-2 | | | | 107 | | % |
| Zinc | 66-2 | 370.44 | 369.18 | 372.49 | 370.70 | 0.45 | ppb |
| Zirconium | 90-1 | 7.65 | 7.99 | 7.87 | 7.84 | 2.17 | ppb |
| Zirconium | 91-1 | 7.50 | 7.91 | 7.72 | 7.71 | 2.69 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-02 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:35:17 | DataFile Name : | 096SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 121806.56 | 119280.04 | 117972.07 | 119686.22 | 1.63 | ppb |
| Antimony | 121-1 | 2.77 | 2.83 | 2.79 | 2.80 | 0.97 | ppb |
| Arsenic | 75-2 | 51.25 | 49.76 | 51.23 | 50.75 | 1.68 | ppb |
| Barium | 135-1 | 727.52 | 737.81 | 731.89 | 732.41 | 0.71 | ppb |
| Barium | 137-1 | 772.61 | 788.07 | 794.32 | 785.00 | 1.42 | ppb |
| Beryllium | 9-1 | 8.96 | 8.46 | 9.15 | 8.86 | 3.98 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 21.68 | 21.29 | 20.88 | 21.28 | 1.88 | ppb |
| Cadmium | 106-1 | 25.13 | 26.94 | 25.44 | 25.84 | 3.75 | ppb |
| Cadmium | 111-1 | 17.34 | 17.98 | 17.28 | 17.53 | 2.22 | ppb |
| Calcium | 43-1 | 63009.99 | 65713.66 | 64610.84 | 64444.83 | 2.11 | ppb |
| Calcium | 44-1 | 63418.72 | 65289.98 | 65492.46 | 64733.72 | 1.77 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 399.87 | 400.32 | 394.67 | 398.29 | 0.79 | ppb |
| Cobalt | 59-2 | 281.40 | 277.52 | 275.58 | 278.17 | 1.06 | ppb |
| Copper | 63-2 | 1460.95 | 1435.05 | 1421.63 | 1439.21 | 1.39 | 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 | | | | 107 | | % |
| Holmium | 165-2 | | | | 112 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 105 | | % |
| Iron | 56-2 | 239224.58 | 239057.31 | 233645.43 | 237309.11 | 1.34 | ppb |
| Iron | 57-2 | 238657.71 | 235472.01 | 233783.01 | 235970.91 | 1.05 | ppb |
| Iron | 54-2 | 242713.33 | 239352.34 | 234400.82 | 238822.16 | 1.75 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-02 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:35:17 | DataFile Name : | 096SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1538.67 | 1569.23 | 1574.78 | 1560.89 | 1.25 | ppb |
| Lead | 207-1 | 1458.49 | 1519.31 | 1514.50 | 1497.44 | 2.26 | ppb |
| Lead | 208-1 | 1483.35 | 1526.31 | 1528.70 | 1512.79 | 1.69 | ppb |
| Lithium | 6-1 | | | | 114 | | % |
| Magnesium | 24-2 | 33063.74 | 32192.97 | 31896.83 | 32384.51 | 1.87 | ppb |
| Manganese | 55-2 | 3220.94 | 3224.01 | 3184.03 | 3209.66 | 0.69 | ppb |
| Molybdenum | 94-1 | 83.80 | 84.36 | 83.85 | 84.00 | 0.37 | ppb |
| Molybdenum | 95-1 | 12.03 | 11.80 | 11.73 | 11.85 | 1.36 | ppb |
| Molybdenum | 96-1 | 20.97 | 21.27 | 20.90 | 21.04 | 0.94 | ppb |
| Molybdenum | 97-1 | 12.06 | 11.97 | 11.74 | 11.93 | 1.38 | ppb |
| Molybdenum | 98-1 | 11.67 | 11.90 | 11.69 | 11.75 | 1.11 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 560.33 | 549.21 | 546.45 | 552.00 | 1.33 | ppb |
| Phosphorus | 31-2 | 6351.29 | 6391.96 | 6272.56 | 6338.60 | 0.96 | ppb |
| Potassium | 39-2 | 7051.52 | 6933.74 | 6972.15 | 6985.80 | 0.86 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 119 | | % |
| Scandium | 45-2 | | | | 115 | | % |
| Selenium | 82-1 | 6.36 | 6.17 | 6.22 | 6.25 | 1.52 | ppb |
| Selenium | 77-2 | 53.16 | 54.58 | 45.14 | 50.96 | 9.99 | ppb |
| Selenium | 78-2 | 13.34 | 11.68 | 12.08 | 12.37 | 7.00 | ppb |
| Silicon | 28-1 | 720.99 | 732.05 | 731.92 | 728.32 | 0.87 | ppb |
| Silver | 107-1 | 22.20 | 22.72 | 22.56 | 22.49 | 1.17 | ppb |
| Silver | 109-1 | 22.19 | 22.65 | 22.04 | 22.29 | 1.41 | ppb |
| Sodium | 23-2 | 4570.10 | 4463.13 | 4445.57 | 4492.93 | 1.50 | ppb |
| Strontium | 86-1 | 308.29 | 309.98 | 307.82 | 308.70 | 0.37 | ppb |
| Strontium | 88-1 | 313.76 | 317.68 | 311.59 | 314.34 | 0.98 | ppb |
| Sulfur | 34-1 | 6608.24 | 6757.71 | 6646.28 | 6670.75 | 1.16 | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 110 | | % |
| Thallium | 203-1 | 1.45 | 1.53 | 1.51 | 1.50 | 2.67 | ppb |
| Thallium | 205-1 | 1.53 | 1.57 | 1.52 | 1.54 | 1.82 | ppb |
| Tin | 118-1 | 36.19 | 36.05 | 36.23 | 36.16 | 0.26 | ppb |
| Titanium | 47-1 | 1723.61 | 1793.56 | 1822.39 | 1779.86 | 2.85 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-02 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:35:17 | DataFile Name : | 096SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 15.60 | 16.06 | 16.24 | 15.97 | 2.06 | ppb |
| Vanadium | 51-2 | 468.91 | 463.00 | 459.24 | 463.72 | 1.05 | ppb |
| Yttrium | 89-1 | | | | 138 | | % |
| Yttrium | 89-2 | | | | 138 | | % |
| Zinc | 66-2 | 2328.14 | 2325.11 | 2295.35 | 2316.20 | 0.78 | ppb |
| Zirconium | 90-1 | 39.00 | 39.08 | 38.68 | 38.92 | 0.55 | ppb |
| Zirconium | 91-1 | 39.05 | 38.88 | 38.92 | 38.95 | 0.23 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-02DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 21:38:18 | DataFile Name : | 097SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 25547.23 | 25851.26 | 25505.05 | 25634.51 | 0.74 | ppb |
| Antimony | 121-1 | 0.58 | 0.58 | 0.61 | 0.59 | 3.24 | ppb |
| Arsenic | 75-2 | 12.15 | 12.41 | 12.68 | 12.41 | 2.14 | ppb |
| Barium | 135-1 | 148.73 | 147.46 | 150.03 | 148.74 | 0.87 | ppb |
| Barium | 137-1 | 150.71 | 149.76 | 150.49 | 150.32 | 0.33 | ppb |
| Beryllium | 9-1 | 1.90 | 1.81 | 1.94 | 1.88 | 3.60 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 4.36 | 3.85 | 4.54 | 4.25 | 8.45 | ppb |
| Cadmium | 106-1 | 4.14 | 3.61 | 3.68 | 3.81 | 7.51 | ppb |
| Cadmium | 111-1 | 3.45 | 3.67 | 3.60 | 3.57 | 3.15 | ppb |
| Calcium | 43-1 | 14453.28 | 14510.10 | 14544.21 | 14502.53 | 0.32 | ppb |
| Calcium | 44-1 | 13687.16 | 14023.79 | 14003.50 | 13904.82 | 1.36 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 84.67 | 85.69 | 85.34 | 85.23 | 0.61 | ppb |
| Cobalt | 59-2 | 60.01 | 60.65 | 60.34 | 60.33 | 0.53 | ppb |
| Copper | 63-2 | 315.12 | 315.01 | 312.53 | 314.22 | 0.47 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 107 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 107 | | % |
| Indium | 115-2 | | | | 105 | | % |
| Iron | 56-2 | 51104.03 | 50936.82 | 51188.71 | 51076.52 | 0.25 | ppb |
| Iron | 57-2 | 50705.79 | 51087.78 | 51119.93 | 50971.17 | 0.45 | ppb |
| Iron | 54-2 | 52105.75 | 51303.10 | 51094.08 | 51500.98 | 1.04 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-02DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 21:38:18 | DataFile Name : | 097SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 271.52 | 276.10 | 271.56 | 273.06 | 0.96 | ppb |
| Lead | 207-1 | 256.89 | 260.69 | 254.60 | 257.39 | 1.19 | ppb |
| Lead | 208-1 | 279.62 | 285.34 | 278.76 | 281.24 | 1.27 | ppb |
| Lithium | 6-1 | | | | 113 | | % |
| Magnesium | 24-2 | 6868.23 | 6972.27 | 6940.28 | 6926.93 | 0.77 | ppb |
| Manganese | 55-2 | 699.95 | 692.09 | 699.13 | 697.06 | 0.62 | ppb |
| Molybdenum | 94-1 | 21.15 | 20.53 | 20.63 | 20.77 | 1.59 | ppb |
| Molybdenum | 95-1 | 3.25 | 2.92 | 2.91 | 3.02 | 6.47 | ppb |
| Molybdenum | 96-1 | 5.54 | 5.22 | 5.06 | 5.27 | 4.69 | ppb |
| Molybdenum | 97-1 | 3.29 | 2.87 | 2.95 | 3.03 | 7.38 | ppb |
| Molybdenum | 98-1 | 3.18 | 2.81 | 2.90 | 2.96 | 6.62 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 121.15 | 122.79 | 120.52 | 121.49 | 0.97 | ppb |
| Phosphorus | 31-2 | 1341.91 | 1371.69 | 1363.83 | 1359.14 | 1.14 | ppb |
| Potassium | 39-2 | 1558.79 | 1587.04 | 1586.13 | 1577.32 | 1.02 | ppb |
| Rhodium | 103-1 | | | | 104 | | % |
| Rhodium | 103-2 | | | | 106 | | % |
| Scandium | 45-1 | | | | 112 | | % |
| Scandium | 45-2 | | | | 106 | | % |
| Selenium | 82-1 | 1.82 | 1.94 | 1.95 | 1.90 | 3.66 | ppb |
| Selenium | 77-2 | 10.95 | 9.97 | 10.53 | 10.48 | 4.67 | ppb |
| Selenium | 78-2 | 2.78 | 3.38 | 4.21 | 3.46 | 20.76 | ppb |
| Silicon | 28-1 | 156.04 | 153.13 | 152.45 | 153.87 | 1.24 | ppb |
| Silver | 107-1 | 4.61 | 4.68 | 4.63 | 4.64 | 0.81 | ppb |
| Silver | 109-1 | 4.58 | 4.52 | 4.70 | 4.60 | 2.06 | ppb |
| Sodium | 23-2 | 1011.74 | 1009.96 | 1010.75 | 1010.82 | 0.09 | ppb |
| Strontium | 86-1 | 77.52 | 76.53 | 76.15 | 76.73 | 0.92 | ppb |
| Strontium | 88-1 | 77.40 | 77.71 | 77.78 | 77.63 | 0.26 | ppb |
| Sulfur | 34-1 | -253.13 | -158.32 | -212.72 | -208.06 | | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 107 | | % |
| Thallium | 203-1 | 0.30 | 0.30 | 0.29 | 0.29 | 2.83 | ppb |
| Thallium | 205-1 | 0.31 | 0.31 | 0.29 | 0.30 | 3.33 | ppb |
| Tin | 118-1 | 6.84 | 6.74 | 6.81 | 6.80 | 0.78 | ppb |
| Titanium | 47-1 | 375.54 | 381.50 | 378.42 | 378.48 | 0.79 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-02DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 21:38:18 | DataFile Name : | 097SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 3.05 | 3.11 | 3.04 | 3.07 | 1.24 | ppb |
| Vanadium | 51-2 | 99.20 | 99.31 | 99.36 | 99.29 | 0.08 | ppb |
| Yttrium | 89-1 | | | | 113 | | % |
| Yttrium | 89-2 | | | | 113 | | % |
| Zinc | 66-2 | 523.38 | 520.94 | 515.86 | 520.06 | 0.74 | ppb |
| Zirconium | 90-1 | 9.56 | 9.69 | 9.35 | 9.53 | 1.84 | ppb |
| Zirconium | 91-1 | 9.29 | 9.42 | 9.29 | 9.33 | 0.84 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-03 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:41:26 | DataFile Name : | 098SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 34096.63 | 34602.10 | 34566.90 | 34421.88 | 0.82 | ppb |
| Antimony | 121-1 | 3.10 | 3.30 | 3.16 | 3.18 | 3.21 | ppb |
| Arsenic | 75-2 | 18.52 | 18.87 | 19.11 | 18.84 | 1.58 | ppb |
| Barium | 135-1 | 486.38 | 501.88 | 501.71 | 496.66 | 1.79 | ppb |
| Barium | 137-1 | 495.79 | 507.80 | 507.80 | 503.80 | 1.38 | ppb |
| Beryllium | 9-1 | 3.18 | 2.89 | 3.09 | 3.05 | 4.89 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.58 | 2.60 | 2.36 | 2.52 | 5.19 | ppb |
| Cadmium | 106-1 | 2.63 | 2.31 | 2.37 | 2.44 | 6.92 | ppb |
| Cadmium | 111-1 | 2.50 | 2.50 | 2.68 | 2.56 | 4.11 | ppb |
| Calcium | 43-1 | 17345.95 | 17851.60 | 17225.03 | 17474.19 | 1.90 | ppb |
| Calcium | 44-1 | 16372.07 | 16702.11 | 16281.27 | 16451.81 | 1.35 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 69.78 | 70.54 | 69.90 | 70.08 | 0.58 | ppb |
| Cobalt | 59-2 | 5.38 | 5.32 | 5.27 | 5.32 | 1.04 | ppb |
| Copper | 63-2 | 160.13 | 162.12 | 160.38 | 160.87 | 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 | | | | 105 | | % |
| Holmium | 165-2 | | | | 108 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 104 | | % |
| Iron | 56-2 | 19339.45 | 19718.25 | 19608.64 | 19555.44 | 1.00 | ppb |
| Iron | 57-2 | 20280.49 | 20449.90 | 20392.20 | 20374.20 | 0.42 | ppb |
| Iron | 54-2 | 19945.72 | 20234.28 | 19763.46 | 19981.15 | 1.19 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-03 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:41:26 | DataFile Name : | 098SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 318.29 | 323.51 | 326.49 | 322.76 | 1.28 | ppb |
| Lead | 207-1 | 297.20 | 303.71 | 307.60 | 302.84 | 1.74 | ppb |
| Lead | 208-1 | 328.32 | 334.87 | 336.09 | 333.09 | 1.25 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 3024.35 | 2995.94 | 3004.24 | 3008.18 | 0.49 | ppb |
| Manganese | 55-2 | 1692.73 | 1711.93 | 1699.26 | 1701.31 | 0.57 | ppb |
| Molybdenum | 94-1 | 7.43 | 7.82 | 7.92 | 7.73 | 3.35 | ppb |
| Molybdenum | 95-1 | 3.15 | 3.11 | 3.15 | 3.14 | 0.77 | ppb |
| Molybdenum | 96-1 | 3.82 | 3.82 | 3.71 | 3.78 | 1.58 | ppb |
| Molybdenum | 97-1 | 3.08 | 3.19 | 3.22 | 3.16 | 2.22 | ppb |
| Molybdenum | 98-1 | 3.02 | 3.21 | 3.10 | 3.11 | 3.13 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 40.10 | 40.72 | 40.05 | 40.29 | 0.92 | ppb |
| Phosphorus | 31-2 | 2170.37 | 2137.85 | 2159.98 | 2156.07 | 0.77 | ppb |
| Potassium | 39-2 | 1033.83 | 1034.44 | 1033.69 | 1033.99 | 0.04 | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 104 | | % |
| Scandium | 45-1 | | | | 108 | | % |
| Scandium | 45-2 | | | | 105 | | % |
| Selenium | 82-1 | 7.92 | 7.95 | 8.90 | 8.25 | 6.75 | ppb |
| Selenium | 77-2 | 24.01 | 19.06 | 27.19 | 23.42 | 17.51 | ppb |
| Selenium | 78-2 | 6.45 | 10.13 | 9.95 | 8.84 | 23.47 | ppb |
| Silicon | 28-1 | 334.11 | 343.92 | 340.19 | 339.41 | 1.46 | ppb |
| Silver | 107-1 | 5.14 | 4.87 | 4.78 | 4.93 | 3.75 | ppb |
| Silver | 109-1 | 4.63 | 4.85 | 4.83 | 4.77 | 2.57 | ppb |
| Sodium | 23-2 | 4849.82 | 4956.58 | 4899.24 | 4901.88 | 1.09 | ppb |
| Strontium | 86-1 | 127.28 | 129.00 | 126.27 | 127.52 | 1.08 | ppb |
| Strontium | 88-1 | 129.80 | 129.81 | 129.14 | 129.59 | 0.30 | ppb |
| Sulfur | 34-1 | 3319.56 | 3603.34 | 3061.50 | 3328.13 | 8.14 | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 107 | | % |
| Thallium | 203-1 | 0.31 | 0.32 | 0.35 | 0.33 | 5.40 | ppb |
| Thallium | 205-1 | 0.34 | 0.33 | 0.33 | 0.33 | 1.93 | ppb |
| Tin | 118-1 | 12.46 | 13.09 | 12.94 | 12.83 | 2.57 | ppb |
| Titanium | 47-1 | 558.72 | 581.76 | 561.64 | 567.37 | 2.21 | ppb |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-03 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:41:26 | DataFile Name : | 098SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 5.46 | 5.60 | 5.74 | 5.60 | 2.54 | ppb |
| Vanadium | 51-2 | 52.55 | 53.24 | 51.85 | 52.55 | 1.32 | ppb |
| Yttrium | 89-1 | | | | 113 | | % |
| Yttrium | 89-2 | | | | 115 | | % |
| Zinc | 66-2 | 271.34 | 272.24 | 273.65 | 272.41 | 0.43 | ppb |
| Zirconium | 90-1 | 2.65 | 2.65 | 2.72 | 2.67 | 1.47 | ppb |
| Zirconium | 91-1 | 2.72 | 2.85 | 2.69 | 2.75 | 3.16 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-03DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 21:44:38 | DataFile Name : | 099SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6867.92 | 6883.97 | 6896.66 | 6882.85 | 0.21 | ppb |
| Antimony | 121-1 | 0.63 | 0.62 | 0.62 | 0.62 | 0.83 | ppb |
| Arsenic | 75-2 | 3.99 | 4.38 | 3.88 | 4.08 | 6.38 | ppb |
| Barium | 135-1 | 94.35 | 97.93 | 96.08 | 96.12 | 1.86 | ppb |
| Barium | 137-1 | 95.48 | 98.91 | 96.35 | 96.91 | 1.84 | ppb |
| Beryllium | 9-1 | 0.64 | 0.60 | 0.52 | 0.59 | 10.01 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 110 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.34 | 0.55 | 0.65 | 0.52 | 30.51 | ppb |
| Cadmium | 106-1 | -1.57 | -0.46 | -2.34 | -1.46 | | ppb |
| Cadmium | 111-1 | 0.33 | 0.44 | 0.24 | 0.34 | 28.75 | ppb |
| Calcium | 43-1 | 3358.18 | 3491.33 | 3330.77 | 3393.43 | 2.53 | ppb |
| Calcium | 44-1 | 3342.11 | 3518.54 | 3354.87 | 3405.17 | 2.89 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 13.07 | 13.54 | 13.20 | 13.27 | 1.85 | ppb |
| Cobalt | 59-2 | 1.07 | 1.04 | 1.05 | 1.05 | 1.37 | ppb |
| Copper | 63-2 | 31.32 | 31.21 | 31.64 | 31.39 | 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 | | | | 107 | | % |
| Holmium | 165-2 | | | | 108 | | % |
| Indium | 115-1 | | | | 107 | | % |
| Indium | 115-2 | | | | 105 | | % |
| Iron | 56-2 | 3779.29 | 3776.78 | 3823.18 | 3793.08 | 0.69 | ppb |
| Iron | 57-2 | 3962.04 | 3940.12 | 4015.80 | 3972.65 | 0.98 | ppb |
| Iron | 54-2 | 3998.35 | 3964.63 | 4034.00 | 3998.99 | 0.87 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-03DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 21:44:38 | DataFile Name : | 099SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 61.27 | 60.36 | 60.80 | 60.81 | 0.75 | ppb |
| Lead | 207-1 | 57.01 | 56.70 | 57.02 | 56.91 | 0.33 | ppb |
| Lead | 208-1 | 58.73 | 58.54 | 58.33 | 58.53 | 0.34 | ppb |
| Lithium | 6-1 | | | | 112 | | % |
| Magnesium | 24-2 | 587.91 | 583.63 | 585.60 | 585.71 | 0.37 | ppb |
| Manganese | 55-2 | 329.16 | 330.18 | 331.85 | 330.40 | 0.41 | ppb |
| Molybdenum | 94-1 | 1.57 | 1.55 | 1.55 | 1.56 | 0.79 | ppb |
| Molybdenum | 95-1 | 0.60 | 0.60 | 0.66 | 0.62 | 4.77 | ppb |
| Molybdenum | 96-1 | 0.74 | 0.77 | 0.75 | 0.75 | 2.40 | ppb |
| Molybdenum | 97-1 | 0.60 | 0.59 | 0.58 | 0.59 | 1.47 | ppb |
| Molybdenum | 98-1 | 0.60 | 0.64 | 0.58 | 0.61 | 4.67 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 7.53 | 7.49 | 8.04 | 7.69 | 3.99 | ppb |
| Phosphorus | 31-2 | 391.61 | 403.87 | 390.60 | 395.36 | 1.87 | ppb |
| Potassium | 39-2 | 185.19 | 190.39 | 184.56 | 186.72 | 1.71 | ppb |
| Rhodium | 103-1 | | | | 106 | | % |
| Rhodium | 103-2 | | | | 106 | | % |
| Scandium | 45-1 | | | | 108 | | % |
| Scandium | 45-2 | | | | 104 | | % |
| Selenium | 82-1 | 1.51 | 1.64 | 1.77 | 1.64 | 7.85 | ppb |
| Selenium | 77-2 | 4.45 | 6.97 | 4.49 | 5.30 | 27.25 | ppb |
| Selenium | 78-2 | 1.67 | 1.74 | 1.84 | 1.75 | 4.86 | ppb |
| Silicon | 28-1 | 66.09 | 70.22 | 65.78 | 67.36 | 3.68 | ppb |
| Silver | 107-1 | 0.94 | 0.94 | 0.90 | 0.93 | 2.70 | ppb |
| Silver | 109-1 | 1.07 | 0.98 | 1.05 | 1.03 | 4.80 | ppb |
| Sodium | 23-2 | 1007.09 | 992.88 | 1009.75 | 1003.24 | 0.90 | ppb |
| Strontium | 86-1 | 25.29 | 25.37 | 26.10 | 25.59 | 1.73 | ppb |
| Strontium | 88-1 | 25.47 | 25.71 | 25.64 | 25.61 | 0.47 | ppb |
| Sulfur | 34-1 | -1329.10 | -1199.24 | -1392.76 | -1307.04 | | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 107 | | % |
| Thallium | 203-1 | 0.07 | 0.06 | 0.06 | 0.06 | 8.97 | ppb |
| Thallium | 205-1 | 0.06 | 0.06 | 0.07 | 0.06 | 5.50 | ppb |
| Tin | 118-1 | 2.25 | 2.31 | 2.32 | 2.29 | 1.67 | ppb |
| Titanium | 47-1 | 109.99 | 111.62 | 111.69 | 111.10 | 0.86 | ppb |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-03DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 21:44:38 | DataFile Name : | 099SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.01 | 1.03 | 1.04 | 1.03 | 1.57 | ppb |
| Vanadium | 51-2 | 10.21 | 9.82 | 10.25 | 10.09 | 2.31 | ppb |
| Yttrium | 89-1 | | | | 109 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 52.96 | 53.64 | 53.80 | 53.47 | 0.83 | ppb |
| Zirconium | 90-1 | 0.53 | 0.54 | 0.54 | 0.54 | 1.61 | ppb |
| Zirconium | 91-1 | 0.55 | 0.57 | 0.56 | 0.56 | 2.02 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV07 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV07 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:47:52 | DataFile Name : | 100CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 48606.11 | 50402.33 | 49897.91 | 49635.45 | 1.87 | ppb |
| Antimony | 121-1 | 487.11 | 495.80 | 481.45 | 488.12 | 1.48 | ppb |
| Arsenic | 75-2 | 465.62 | 473.22 | 472.86 | 470.56 | 0.91 | ppb |
| Barium | 135-1 | 2414.58 | 2496.34 | 2350.30 | 2420.41 | 3.02 | ppb |
| Barium | 137-1 | 2414.03 | 2494.06 | 2404.49 | 2437.52 | 2.02 | ppb |
| Beryllium | 9-1 | 494.08 | 502.38 | 514.61 | 503.69 | 2.05 | ppb |
| Bismuth | 209-1 | | | | 101 | | % |
| Bismuth | 209-2 | | | | 103 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 484.31 | 483.60 | 467.49 | 478.46 | 1.99 | ppb |
| Cadmium | 106-1 | 488.04 | 485.88 | 468.60 | 480.84 | 2.22 | ppb |
| Cadmium | 111-1 | 471.49 | 475.64 | 457.95 | 468.36 | 1.98 | ppb |
| Calcium | 43-1 | 259414.75 | 248082.09 | 255397.69 | 254298.17 | 2.26 | ppb |
| Calcium | 44-1 | 253101.83 | 248048.80 | 254224.86 | 251791.83 | 1.31 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 479.12 | 484.93 | 482.64 | 482.23 | 0.61 | ppb |
| Cobalt | 59-2 | 464.59 | 478.18 | 480.04 | 474.27 | 1.78 | ppb |
| Copper | 63-2 | 4742.84 | 4738.40 | 4640.41 | 4707.22 | 1.23 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 106 | | % |
| Holmium | 165-2 | | | | 108 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 125383.17 | 126859.61 | 124418.62 | 125553.80 | 0.98 | ppb |
| Iron | 57-2 | 125462.01 | 127618.85 | 127333.16 | 126804.68 | 0.92 | ppb |
| Iron | 54-2 | 124893.05 | 127065.59 | 128374.72 | 126777.79 | 1.39 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV07 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV07 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:47:52 | DataFile Name : | 100CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2505.60 | 2507.04 | 2463.40 | 2492.01 | 0.99 | ppb |
| Lead | 207-1 | 2471.72 | 2484.92 | 2413.07 | 2456.57 | 1.56 | ppb |
| Lead | 208-1 | 2459.74 | 2492.29 | 2459.52 | 2470.51 | 0.76 | ppb |
| Lithium | 6-1 | | | | 115 | | % |
| Magnesium | 24-2 | 246372.38 | 247188.15 | 245354.09 | 246304.87 | 0.37 | ppb |
| Manganese | 55-2 | 4734.55 | 4782.22 | 4629.41 | 4715.39 | 1.66 | ppb |
| Molybdenum | 94-1 | 5326.39 | 5386.56 | 5146.04 | 5286.33 | 2.37 | ppb |
| Molybdenum | 95-1 | 5364.77 | 5410.30 | 5263.92 | 5346.33 | 1.40 | ppb |
| Molybdenum | 96-1 | 5374.06 | 5445.84 | 5361.54 | 5393.81 | 0.84 | ppb |
| Molybdenum | 97-1 | 5352.20 | 5514.91 | 5284.48 | 5383.86 | 2.20 | ppb |
| Molybdenum | 98-1 | 5356.29 | 5427.45 | 5146.46 | 5310.07 | 2.75 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 460.56 | 465.98 | 462.76 | 463.10 | 0.59 | ppb |
| Phosphorus | 31-2 | 9342.61 | 9571.24 | 9590.66 | 9501.50 | 1.45 | ppb |
| Potassium | 39-2 | 124849.14 | 123687.14 | 123814.62 | 124116.96 | 0.51 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 108 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 473.46 | 484.01 | 466.92 | 474.80 | 1.82 | ppb |
| Selenium | 77-2 | 459.21 | 474.05 | 479.50 | 470.92 | 2.23 | ppb |
| Selenium | 78-2 | 471.84 | 460.47 | 478.17 | 470.16 | 1.91 | ppb |
| Silicon | 28-1 | 503.78 | 491.07 | 502.60 | 499.15 | 1.41 | ppb |
| Silver | 107-1 | 488.87 | 478.12 | 458.92 | 475.30 | 3.19 | ppb |
| Silver | 109-1 | 490.28 | 484.19 | 470.03 | 481.50 | 2.16 | ppb |
| Sodium | 23-2 | 250896.20 | 255467.26 | 251784.76 | 252716.08 | 0.96 | ppb |
| Strontium | 86-1 | 12162.32 | 12323.73 | 12087.32 | 12191.13 | 0.99 | ppb |
| Strontium | 88-1 | 12300.36 | 12217.39 | 12114.83 | 12210.86 | 0.76 | ppb |
| Sulfur | 34-1 | 8848.52 | 8470.92 | 9018.32 | 8779.25 | 3.19 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 502.66 | 501.55 | 498.41 | 500.88 | 0.44 | ppb |
| Thallium | 205-1 | 492.55 | 505.43 | 498.21 | 498.73 | 1.29 | ppb |
| Tin | 118-1 | 491.76 | 498.23 | 488.42 | 492.80 | 1.01 | ppb |
| Titanium | 47-1 | 5389.09 | 5308.63 | 5423.71 | 5373.81 | 1.10 | ppb |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV07 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV07 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:47:52 | DataFile Name : | 100CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 494.98 | 504.88 | 489.39 | 496.41 | 1.58 | ppb |
| Vanadium | 51-2 | 486.09 | 489.12 | 487.76 | 487.66 | 0.31 | ppb |
| Yttrium | 89-1 | | | | 106 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | 4763.20 | 4773.79 | 4679.59 | 4738.86 | 1.09 | ppb |
| Zirconium | 90-1 | 484.24 | 487.97 | 473.99 | 482.07 | 1.50 | ppb |
| Zirconium | 91-1 | 478.51 | 490.93 | 481.58 | 483.67 | 1.34 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB07 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB07 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:55:17 | DataFile Name : | 101CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | -0.28 | 0.12 | 0.55 | 0.13 | 318.03 | ppb |
| Antimony | 121-1 | 0.10 | 0.14 | 0.14 | 0.13 | 16.52 | ppb |
| Arsenic | 75-2 | -0.02 | 0.01 | 0.02 | 0.01 | 377.12 | ppb |
| Barium | 135-1 | -0.01 | 0.00 | -0.02 | -0.01 | | ppb |
| Barium | 137-1 | 0.00 | 0.01 | 0.00 | 0.00 | 197.22 | ppb |
| Beryllium | 9-1 | 0.06 | 0.09 | 0.04 | 0.06 | 36.52 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.07 | 0.01 | -0.01 | -0.02 | | ppb |
| Cadmium | 106-1 | -3.08 | -2.60 | -1.51 | -2.40 | | ppb |
| Cadmium | 111-1 | -0.23 | -0.19 | -0.12 | -0.18 | | ppb |
| Calcium | 43-1 | -0.64 | -5.28 | -1.50 | -2.47 | | ppb |
| Calcium | 44-1 | -8.27 | -9.50 | -9.28 | -9.02 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.28 | -0.28 | -0.26 | -0.27 | | ppb |
| Cobalt | 59-2 | -0.01 | -0.01 | -0.01 | -0.01 | | ppb |
| Copper | 63-2 | 0.07 | 0.05 | 0.14 | 0.08 | 58.02 | 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 | | | | 106 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 106 | | % |
| Indium | 115-2 | | | | 105 | | % |
| Iron | 56-2 | 0.56 | 1.12 | 1.86 | 1.18 | 55.13 | ppb |
| Iron | 57-2 | -2.94 | 1.29 | 1.64 | 0.00 | | ppb |
| Iron | 54-2 | 0.02 | 0.63 | 2.96 | 1.20 | 128.99 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB07 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB07 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:55:17 | DataFile Name : | 101CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.02 | 0.01 | 0.01 | 0.01 | 49.64 | ppb |
| Lead | 207-1 | 0.02 | 0.01 | 0.01 | 0.01 | 30.63 | ppb |
| Lead | 208-1 | 0.01 | 0.00 | 0.01 | 0.01 | 41.00 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 4.62 | 5.28 | 6.43 | 5.44 | 16.87 | ppb |
| Manganese | 55-2 | 0.02 | -0.02 | 0.04 | 0.01 | 254.87 | ppb |
| Molybdenum | 94-1 | 0.08 | 0.05 | 0.10 | 0.08 | 37.34 | ppb |
| Molybdenum | 95-1 | 0.05 | 0.04 | 0.07 | 0.05 | 30.22 | ppb |
| Molybdenum | 96-1 | 0.06 | 0.05 | 0.07 | 0.06 | 12.27 | ppb |
| Molybdenum | 97-1 | 0.06 | 0.04 | 0.07 | 0.06 | 29.80 | ppb |
| Molybdenum | 98-1 | 0.05 | 0.06 | 0.07 | 0.06 | 12.05 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.17 | -0.22 | -0.21 | -0.20 | | ppb |
| Phosphorus | 31-2 | -20.10 | -16.03 | -16.59 | -17.57 | | ppb |
| Potassium | 39-2 | -12.70 | -11.16 | -9.87 | -11.24 | | ppb |
| Rhodium | 103-1 | | | | 105 | | % |
| Rhodium | 103-2 | | | | 105 | | % |
| Scandium | 45-1 | | | | 108 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | -0.03 | 0.10 | -0.04 | 0.01 | 1001.11 | ppb |
| Selenium | 77-2 | 0.23 | 0.23 | 0.24 | 0.23 | 2.60 | ppb |
| Selenium | 78-2 | -0.76 | -0.70 | -0.77 | -0.74 | | ppb |
| Silicon | 28-1 | -0.58 | -0.63 | -0.43 | -0.55 | | ppb |
| Silver | 107-1 | 0.02 | 0.02 | 0.02 | 0.02 | 17.89 | ppb |
| Silver | 109-1 | 0.02 | 0.02 | 0.01 | 0.01 | 22.51 | ppb |
| Sodium | 23-2 | 23.75 | 23.16 | 24.18 | 23.70 | 2.16 | ppb |
| Strontium | 86-1 | 0.15 | 0.06 | 0.14 | 0.12 | 41.28 | ppb |
| Strontium | 88-1 | 0.10 | 0.09 | 0.11 | 0.10 | 5.51 | ppb |
| Sulfur | 34-1 | -780.84 | -861.84 | -615.64 | -752.78 | | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 0.00 | 0.00 | 0.00 | 0.00 | 87.37 | ppb |
| Thallium | 205-1 | 0.00 | 0.00 | 0.01 | 0.00 | 55.45 | ppb |
| Tin | 118-1 | -0.01 | 0.00 | 0.03 | 0.01 | 210.43 | ppb |
| Titanium | 47-1 | 0.06 | 0.04 | 0.07 | 0.06 | 28.28 | ppb |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB07 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB07 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:55:17 | DataFile Name : | 101CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.00 | 0.01 | 0.00 | 0.00 | 13.82 | ppb |
| Vanadium | 51-2 | 0.01 | 0.01 | 0.00 | 0.01 | 97.37 | ppb |
| Yttrium | 89-1 | | | | 107 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | -0.43 | -0.40 | -0.42 | -0.42 | | ppb |
| Zirconium | 90-1 | 0.01 | 0.02 | 0.03 | 0.02 | 41.80 | ppb |
| Zirconium | 91-1 | 0.01 | 0.02 | 0.04 | 0.02 | 52.53 | ppb |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-04 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0.5-1-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:00:21 | DataFile Name : | 102SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 51427.89 | 51508.55 | 50463.94 | 51133.46 | 1.14 | ppb |
| Antimony | 121-1 | 12.89 | 12.82 | 12.68 | 12.80 | 0.85 | ppb |
| Arsenic | 75-2 | 63.87 | 62.55 | 63.38 | 63.26 | 1.05 | ppb |
| Barium | 135-1 | 1242.65 | 1262.06 | 1213.57 | 1239.43 | 1.97 | ppb |
| Barium | 137-1 | 1257.18 | 1237.57 | 1221.02 | 1238.59 | 1.46 | ppb |
| Beryllium | 9-1 | 4.94 | 4.98 | 4.98 | 4.97 | 0.42 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 9.20 | 8.25 | 8.77 | 8.74 | 5.41 | ppb |
| Cadmium | 106-1 | 7.91 | 10.48 | 9.52 | 9.30 | 13.97 | ppb |
| Cadmium | 111-1 | 7.09 | 7.33 | 7.13 | 7.18 | 1.79 | ppb |
| Calcium | 43-1 | 29745.51 | 29591.74 | 29658.00 | 29665.08 | 0.26 | ppb |
| Calcium | 44-1 | 28370.87 | 28305.49 | 28326.65 | 28334.34 | 0.12 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 122.16 | 120.38 | 119.24 | 120.59 | 1.22 | ppb |
| Cobalt | 59-2 | 46.27 | 46.43 | 46.00 | 46.23 | 0.47 | ppb |
| Copper | 63-2 | 420.17 | 419.28 | 415.21 | 418.22 | 0.63 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 106 | | % |
| Holmium | 165-2 | | | | 110 | | % |
| Indium | 115-1 | | | | 105 | | % |
| Indium | 115-2 | | | | 107 | | % |
| Iron | 56-2 | 93779.87 | 94816.26 | 93371.92 | 93989.35 | 0.79 | ppb |
| Iron | 57-2 | 94051.13 | 93245.57 | 90661.24 | 92652.65 | 1.91 | ppb |
| Iron | 54-2 | 93099.04 | 93375.23 | 93626.05 | 93366.78 | 0.28 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-04 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0.5-1-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:00:21 | DataFile Name : | 102SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1284.10 | 1315.10 | 1316.28 | 1305.16 | 1.40 | ppb |
| Lead | 207-1 | 1234.62 | 1260.81 | 1269.71 | 1255.05 | 1.45 | ppb |
| Lead | 208-1 | 1257.41 | 1274.07 | 1284.48 | 1271.99 | 1.07 | ppb |
| Lithium | 6-1 | | | | 110 | | % |
| Magnesium | 24-2 | 8042.72 | 7898.22 | 7825.51 | 7922.15 | 1.40 | ppb |
| Manganese | 55-2 | 18239.43 | 18389.40 | 18397.48 | 18342.10 | 0.49 | ppb |
| Molybdenum | 94-1 | 27.94 | 28.40 | 27.99 | 28.11 | 0.89 | ppb |
| Molybdenum | 95-1 | 11.59 | 11.89 | 11.41 | 11.63 | 2.06 | ppb |
| Molybdenum | 96-1 | 13.73 | 13.84 | 13.81 | 13.80 | 0.41 | ppb |
| Molybdenum | 97-1 | 11.68 | 11.69 | 11.20 | 11.52 | 2.44 | ppb |
| Molybdenum | 98-1 | 11.18 | 11.49 | 11.23 | 11.30 | 1.50 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 95.83 | 95.37 | 94.70 | 95.30 | 0.60 | ppb |
| Phosphorus | 31-2 | 6171.58 | 6064.22 | 6039.59 | 6091.80 | 1.15 | ppb |
| Potassium | 39-2 | 2709.37 | 2705.50 | 2687.92 | 2700.93 | 0.42 | ppb |
| Rhodium | 103-1 | | | | 104 | | % |
| Rhodium | 103-2 | | | | 105 | | % |
| Scandium | 45-1 | | | | 113 | | % |
| Scandium | 45-2 | | | | 109 | | % |
| Selenium | 82-1 | 11.21 | 12.10 | 11.58 | 11.63 | 3.87 | ppb |
| Selenium | 77-2 | 44.63 | 42.42 | 42.37 | 43.14 | 3.00 | ppb |
| Selenium | 78-2 | 16.80 | 13.80 | 15.81 | 15.47 | 9.89 | ppb |
| Silicon | 28-1 | 502.62 | 493.97 | 499.60 | 498.73 | 0.88 | ppb |
| Silver | 107-1 | 26.73 | 27.30 | 26.45 | 26.83 | 1.62 | ppb |
| Silver | 109-1 | 26.60 | 27.25 | 26.68 | 26.84 | 1.32 | ppb |
| Sodium | 23-2 | 5701.52 | 5701.49 | 5650.06 | 5684.35 | 0.52 | ppb |
| Strontium | 86-1 | 184.27 | 188.97 | 184.14 | 185.79 | 1.48 | ppb |
| Strontium | 88-1 | 185.96 | 192.60 | 185.37 | 187.98 | 2.14 | ppb |
| Sulfur | 34-1 | 9116.82 | 9032.93 | 8796.61 | 8982.12 | 1.85 | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 109 | | % |
| Thallium | 203-1 | 1.34 | 1.35 | 1.32 | 1.34 | 1.15 | ppb |
| Thallium | 205-1 | 1.31 | 1.33 | 1.32 | 1.32 | 0.67 | ppb |
| Tin | 118-1 | 21.40 | 21.72 | 21.49 | 21.53 | 0.78 | ppb |
| Titanium | 47-1 | 1012.46 | 1025.32 | 1017.86 | 1018.55 | 0.63 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-04 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0.5-1-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:00:21 | DataFile Name : | 102SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 5.58 | 5.60 | 5.69 | 5.62 | 1.01 | ppb |
| Vanadium | 51-2 | 213.85 | 215.13 | 213.13 | 214.04 | 0.47 | ppb |
| Yttrium | 89-1 | | | | 137 | | % |
| Yttrium | 89-2 | | | | 136 | | % |
| Zinc | 66-2 | 862.66 | 856.29 | 849.37 | 856.11 | 0.78 | ppb |
| Zirconium | 90-1 | 9.90 | 10.00 | 9.84 | 9.92 | 0.84 | ppb |
| Zirconium | 91-1 | 9.91 | 10.11 | 9.77 | 9.93 | 1.70 | ppb |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-04DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0.5-1-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:03:24 | DataFile Name : | 103SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 10262.19 | 10333.45 | 10087.47 | 10227.70 | 1.24 | ppb |
| Antimony | 121-1 | 2.47 | 2.63 | 2.51 | 2.54 | 3.17 | ppb |
| Arsenic | 75-2 | 14.08 | 14.72 | 14.34 | 14.38 | 2.26 | ppb |
| Barium | 135-1 | 226.00 | 234.74 | 229.28 | 230.00 | 1.92 | ppb |
| Barium | 137-1 | 228.60 | 240.18 | 231.47 | 233.42 | 2.58 | ppb |
| Beryllium | 9-1 | 0.99 | 0.92 | 0.92 | 0.94 | 4.08 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 110 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.91 | 1.57 | 1.84 | 1.77 | 10.08 | ppb |
| Cadmium | 106-1 | 2.32 | 0.65 | 0.96 | 1.31 | 67.69 | ppb |
| Cadmium | 111-1 | 1.49 | 1.36 | 1.38 | 1.41 | 5.18 | ppb |
| Calcium | 43-1 | 5843.12 | 5995.54 | 5977.87 | 5938.85 | 1.40 | ppb |
| Calcium | 44-1 | 5585.06 | 5592.05 | 5710.71 | 5629.28 | 1.25 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 23.57 | 24.00 | 23.29 | 23.62 | 1.50 | ppb |
| Cobalt | 59-2 | 9.09 | 9.31 | 9.24 | 9.21 | 1.20 | ppb |
| Copper | 63-2 | 84.60 | 84.97 | 83.86 | 84.48 | 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 | | | | 108 | | % |
| Holmium | 165-2 | | | | 109 | | % |
| Indium | 115-1 | | | | 106 | | % |
| Indium | 115-2 | | | | 107 | | % |
| Iron | 56-2 | 18486.79 | 19031.58 | 18744.45 | 18754.27 | 1.45 | ppb |
| Iron | 57-2 | 18988.58 | 19456.46 | 19254.65 | 19233.23 | 1.22 | ppb |
| Iron | 54-2 | 18781.88 | 18294.84 | 18933.89 | 18670.21 | 1.79 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-04DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0.5-1-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:03:24 | DataFile Name : | 103SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 223.92 | 226.26 | 229.83 | 226.67 | 1.31 | ppb |
| Lead | 207-1 | 210.69 | 214.31 | 216.09 | 213.70 | 1.29 | ppb |
| Lead | 208-1 | 229.99 | 234.84 | 236.25 | 233.69 | 1.41 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 1633.67 | 1646.91 | 1641.81 | 1640.80 | 0.41 | ppb |
| Manganese | 55-2 | 3639.56 | 3622.11 | 3664.63 | 3642.10 | 0.59 | ppb |
| Molybdenum | 94-1 | 6.76 | 6.70 | 6.75 | 6.74 | 0.44 | ppb |
| Molybdenum | 95-1 | 2.70 | 2.68 | 2.79 | 2.72 | 2.16 | ppb |
| Molybdenum | 96-1 | 3.29 | 3.23 | 3.23 | 3.25 | 1.12 | ppb |
| Molybdenum | 97-1 | 2.69 | 2.74 | 2.71 | 2.71 | 0.86 | ppb |
| Molybdenum | 98-1 | 2.63 | 2.66 | 2.73 | 2.67 | 2.02 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 19.22 | 19.12 | 19.04 | 19.13 | 0.48 | ppb |
| Phosphorus | 31-2 | 1159.55 | 1196.80 | 1176.59 | 1177.65 | 1.58 | ppb |
| Potassium | 39-2 | 524.91 | 527.52 | 527.74 | 526.73 | 0.30 | ppb |
| Rhodium | 103-1 | | | | 107 | | % |
| Rhodium | 103-2 | | | | 107 | | % |
| Scandium | 45-1 | | | | 111 | | % |
| Scandium | 45-2 | | | | 105 | | % |
| Selenium | 82-1 | 2.28 | 3.09 | 3.42 | 2.93 | 19.99 | ppb |
| Selenium | 77-2 | 5.92 | 8.64 | 10.17 | 8.24 | 26.10 | ppb |
| Selenium | 78-2 | 5.13 | 5.38 | 4.29 | 4.93 | 11.61 | ppb |
| Silicon | 28-1 | 100.41 | 100.05 | 104.54 | 101.67 | 2.45 | ppb |
| Silver | 107-1 | 5.28 | 5.69 | 5.46 | 5.48 | 3.78 | ppb |
| Silver | 109-1 | 5.32 | 5.72 | 5.44 | 5.49 | 3.66 | ppb |
| Sodium | 23-2 | 1184.21 | 1195.02 | 1202.66 | 1193.96 | 0.78 | ppb |
| Strontium | 86-1 | 43.85 | 43.20 | 44.41 | 43.82 | 1.38 | ppb |
| Strontium | 88-1 | 44.07 | 43.58 | 44.01 | 43.89 | 0.61 | ppb |
| Sulfur | 34-1 | 41.03 | 127.94 | 99.95 | 89.64 | 49.49 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 109 | | % |
| Thallium | 203-1 | 0.23 | 0.24 | 0.25 | 0.24 | 3.15 | ppb |
| Thallium | 205-1 | 0.26 | 0.26 | 0.25 | 0.26 | 3.27 | ppb |
| Tin | 118-1 | 3.96 | 4.11 | 3.97 | 4.01 | 2.09 | ppb |
| Titanium | 47-1 | 199.19 | 205.28 | 202.86 | 202.44 | 1.52 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-04DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0.5-1-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:03:24 | DataFile Name : | 103SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.05 | 1.06 | 1.07 | 1.06 | 0.93 | ppb |
| Vanadium | 51-2 | 42.34 | 42.34 | 42.07 | 42.25 | 0.37 | ppb |
| Yttrium | 89-1 | | | | 114 | | % |
| Yttrium | 89-2 | | | | 112 | | % |
| Zinc | 66-2 | 171.94 | 173.11 | 172.66 | 172.57 | 0.34 | ppb |
| Zirconium | 90-1 | 2.30 | 2.32 | 2.27 | 2.30 | 0.95 | ppb |
| Zirconium | 91-1 | 2.24 | 2.26 | 2.36 | 2.28 | 2.74 | ppb |

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LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-05 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:06:38 | DataFile Name : | 104SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 46789.54 | 46320.25 | 47070.65 | 46726.81 | 0.81 | ppb |
| Antimony | 121-1 | 12.06 | 11.25 | 12.48 | 11.93 | 5.27 | ppb |
| Arsenic | 75-2 | 61.87 | 61.26 | 62.12 | 61.75 | 0.71 | ppb |
| Barium | 135-1 | 940.41 | 884.48 | 966.35 | 930.41 | 4.50 | ppb |
| Barium | 137-1 | 948.45 | 869.05 | 973.01 | 930.17 | 5.84 | ppb |
| Beryllium | 9-1 | 4.16 | 3.94 | 4.51 | 4.21 | 6.88 | ppb |
| Bismuth | 209-1 | | | | 111 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 5.87 | 5.97 | 6.89 | 6.24 | 9.05 | ppb |
| Cadmium | 106-1 | 7.53 | 5.18 | 6.78 | 6.50 | 18.47 | ppb |
| Cadmium | 111-1 | 5.34 | 4.89 | 5.48 | 5.24 | 5.85 | ppb |
| Calcium | 43-1 | 26096.27 | 24022.32 | 26503.48 | 25540.69 | 5.21 | ppb |
| Calcium | 44-1 | 24467.98 | 23119.12 | 24586.79 | 24057.96 | 3.39 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 105.12 | 104.83 | 103.48 | 104.48 | 0.84 | ppb |
| Cobalt | 59-2 | 28.01 | 28.01 | 27.82 | 27.95 | 0.38 | ppb |
| Copper | 63-2 | 413.29 | 410.44 | 408.93 | 410.89 | 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 | | | | 111 | | % |
| Holmium | 165-2 | | | | 109 | | % |
| Indium | 115-1 | | | | 110 | | % |
| Indium | 115-2 | | | | 105 | | % |
| Iron | 56-2 | 77964.72 | 77637.16 | 77056.29 | 77552.72 | 0.59 | ppb |
| Iron | 57-2 | 76916.04 | 76090.37 | 74085.13 | 75697.18 | 1.92 | ppb |
| Iron | 54-2 | 78765.08 | 77071.67 | 75339.24 | 77058.66 | 2.22 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-05 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:06:38 | DataFile Name : | 104SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1171.29 | 1106.07 | 1232.95 | 1170.11 | 5.42 | ppb |
| Lead | 207-1 | 1119.58 | 1059.19 | 1190.66 | 1123.14 | 5.86 | ppb |
| Lead | 208-1 | 1130.40 | 1085.21 | 1206.58 | 1140.73 | 5.38 | ppb |
| Lithium | 6-1 | | | | 111 | | % |
| Magnesium | 24-2 | 6480.17 | 6366.66 | 6327.69 | 6391.51 | 1.24 | ppb |
| Manganese | 55-2 | 8549.76 | 8571.85 | 8561.30 | 8560.97 | 0.13 | ppb |
| Molybdenum | 94-1 | 23.99 | 23.22 | 25.61 | 24.27 | 5.02 | ppb |
| Molybdenum | 95-1 | 10.75 | 10.27 | 11.33 | 10.78 | 4.89 | ppb |
| Molybdenum | 96-1 | 12.43 | 12.20 | 13.30 | 12.64 | 4.60 | ppb |
| Molybdenum | 97-1 | 10.83 | 10.13 | 11.51 | 10.82 | 6.34 | ppb |
| Molybdenum | 98-1 | 10.59 | 10.20 | 11.20 | 10.66 | 4.71 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 81.93 | 81.04 | 81.15 | 81.37 | 0.59 | ppb |
| Phosphorus | 31-2 | 5365.63 | 5284.69 | 5257.10 | 5302.48 | 1.06 | ppb |
| Potassium | 39-2 | 2237.16 | 2231.12 | 2205.98 | 2224.75 | 0.74 | ppb |
| Rhodium | 103-1 | | | | 109 | | % |
| Rhodium | 103-2 | | | | 106 | | % |
| Scandium | 45-1 | | | | 115 | | % |
| Scandium | 45-2 | | | | 107 | | % |
| Selenium | 82-1 | 11.58 | 11.54 | 12.80 | 11.97 | 5.98 | ppb |
| Selenium | 77-2 | 36.28 | 33.50 | 36.51 | 35.43 | 4.74 | ppb |
| Selenium | 78-2 | 16.59 | 12.74 | 16.22 | 15.18 | 13.96 | ppb |
| Silicon | 28-1 | 486.81 | 459.57 | 497.79 | 481.39 | 4.09 | ppb |
| Silver | 107-1 | 23.41 | 21.80 | 24.29 | 23.17 | 5.47 | ppb |
| Silver | 109-1 | 23.37 | 21.69 | 23.88 | 22.98 | 5.00 | ppb |
| Sodium | 23-2 | 5964.90 | 5948.03 | 5996.05 | 5969.66 | 0.41 | ppb |
| Strontium | 86-1 | 170.05 | 161.73 | 176.49 | 169.42 | 4.37 | ppb |
| Strontium | 88-1 | 174.42 | 164.31 | 179.18 | 172.64 | 4.40 | ppb |
| Sulfur | 34-1 | 8346.37 | 7391.75 | 8565.69 | 8101.27 | 7.70 | ppb |
| Terbium | 159-1 | | | | 111 | | % |
| Terbium | 159-2 | | | | 108 | | % |
| Thallium | 203-1 | 0.99 | 0.99 | 1.04 | 1.01 | 2.85 | ppb |
| Thallium | 205-1 | 1.02 | 0.98 | 1.07 | 1.02 | 4.52 | ppb |
| Tin | 118-1 | 22.34 | 21.50 | 23.47 | 22.44 | 4.42 | ppb |
| Titanium | 47-1 | 962.32 | 922.51 | 994.19 | 959.67 | 3.74 | ppb |

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LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-05 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:06:38 | DataFile Name : | 104SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 5.51 | 5.19 | 5.84 | 5.51 | 5.86 | ppb |
| Vanadium | 51-2 | 199.33 | 202.06 | 197.79 | 199.73 | 1.08 | ppb |
| Yttrium | 89-1 | | | | 134 | | % |
| Yttrium | 89-2 | | | | 130 | | % |
| Zinc | 66-2 | 615.77 | 615.02 | 615.41 | 615.40 | 0.06 | ppb |
| Zirconium | 90-1 | 8.15 | 7.71 | 8.53 | 8.13 | 5.05 | ppb |
| Zirconium | 91-1 | 8.11 | 7.83 | 8.44 | 8.13 | 3.75 | ppb |

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LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-05DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:09:43 | DataFile Name : | 105SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 9327.50 | 9435.33 | 9415.05 | 9392.63 | 0.61 | ppb |
| Antimony | 121-1 | 2.46 | 2.88 | 2.33 | 2.56 | 11.20 | ppb |
| Arsenic | 75-2 | 13.08 | 13.55 | 13.49 | 13.38 | 1.92 | ppb |
| Barium | 135-1 | 175.83 | 201.30 | 169.00 | 182.04 | 9.35 | ppb |
| Barium | 137-1 | 179.96 | 203.86 | 169.46 | 184.43 | 9.56 | ppb |
| Beryllium | 9-1 | 0.81 | 0.99 | 0.80 | 0.86 | 12.28 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.14 | 1.58 | 1.10 | 1.27 | 20.91 | ppb |
| Cadmium | 106-1 | 0.18 | -1.27 | -1.38 | -0.82 | | ppb |
| Cadmium | 111-1 | 0.95 | 1.09 | 0.81 | 0.95 | 14.67 | ppb |
| Calcium | 43-1 | 5094.85 | 5992.94 | 5028.82 | 5372.20 | 10.03 | ppb |
| Calcium | 44-1 | 4862.96 | 5598.77 | 4785.70 | 5082.48 | 8.83 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 20.03 | 20.61 | 20.26 | 20.30 | 1.45 | ppb |
| Cobalt | 59-2 | 5.50 | 5.60 | 5.64 | 5.58 | 1.26 | ppb |
| Copper | 63-2 | 80.89 | 81.34 | 82.85 | 81.70 | 1.25 | 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 | | | | 109 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 106 | | % |
| Iron | 56-2 | 14903.96 | 15180.79 | 15346.18 | 15143.64 | 1.48 | ppb |
| Iron | 57-2 | 15337.86 | 15657.51 | 15801.72 | 15599.03 | 1.52 | ppb |
| Iron | 54-2 | 15011.34 | 15225.36 | 15431.16 | 15222.62 | 1.38 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-05DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:09:43 | DataFile Name : | 105SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 211.06 | 240.60 | 201.27 | 217.64 | 9.41 | ppb |
| Lead | 207-1 | 199.03 | 230.77 | 192.43 | 207.41 | 9.88 | ppb |
| Lead | 208-1 | 216.13 | 251.69 | 206.93 | 224.92 | 10.51 | ppb |
| Lithium | 6-1 | | | | 104 | | % |
| Magnesium | 24-2 | 1298.25 | 1301.30 | 1301.85 | 1300.47 | 0.15 | ppb |
| Manganese | 55-2 | 1658.21 | 1689.89 | 1685.59 | 1677.90 | 1.02 | ppb |
| Molybdenum | 94-1 | 5.41 | 6.40 | 5.40 | 5.74 | 10.04 | ppb |
| Molybdenum | 95-1 | 2.50 | 2.87 | 2.36 | 2.58 | 10.36 | ppb |
| Molybdenum | 96-1 | 2.85 | 3.36 | 2.69 | 2.97 | 11.72 | ppb |
| Molybdenum | 97-1 | 2.36 | 2.78 | 2.30 | 2.48 | 10.62 | ppb |
| Molybdenum | 98-1 | 2.47 | 2.89 | 2.34 | 2.57 | 11.24 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 16.05 | 16.13 | 16.30 | 16.16 | 0.79 | ppb |
| Phosphorus | 31-2 | 993.11 | 972.43 | 1009.54 | 991.69 | 1.87 | ppb |
| Potassium | 39-2 | 414.71 | 425.43 | 419.15 | 419.76 | 1.28 | ppb |
| Rhodium | 103-1 | | | | 104 | | % |
| Rhodium | 103-2 | | | | 106 | | % |
| Scandium | 45-1 | | | | 106 | | % |
| Scandium | 45-2 | | | | 104 | | % |
| Selenium | 82-1 | 3.71 | 4.08 | 3.39 | 3.73 | 9.26 | ppb |
| Selenium | 77-2 | 12.09 | 6.02 | 9.43 | 9.18 | 33.17 | ppb |
| Selenium | 78-2 | 3.61 | 4.60 | 3.98 | 4.06 | 12.25 | ppb |
| Silicon | 28-1 | 95.58 | 112.82 | 88.99 | 99.13 | 12.41 | ppb |
| Silver | 107-1 | 4.72 | 5.33 | 4.47 | 4.84 | 9.16 | ppb |
| Silver | 109-1 | 4.69 | 5.34 | 4.55 | 4.86 | 8.66 | ppb |
| Sodium | 23-2 | 1222.65 | 1233.85 | 1237.28 | 1231.26 | 0.62 | ppb |
| Strontium | 86-1 | 39.47 | 46.02 | 37.67 | 41.05 | 10.71 | ppb |
| Strontium | 88-1 | 39.45 | 45.84 | 37.80 | 41.03 | 10.34 | ppb |
| Sulfur | 34-1 | -215.91 | 842.51 | -452.09 | 58.17 | 1185.27 | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 107 | | % |
| Thallium | 203-1 | 0.19 | 0.23 | 0.19 | 0.20 | 11.44 | ppb |
| Thallium | 205-1 | 0.21 | 0.24 | 0.19 | 0.21 | 11.01 | ppb |
| Tin | 118-1 | 4.42 | 4.80 | 4.10 | 4.44 | 7.83 | ppb |
| Titanium | 47-1 | 192.26 | 225.08 | 188.21 | 201.85 | 10.02 | ppb |

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LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-05DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:09:43 | DataFile Name : | 105SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.08 | 1.23 | 1.03 | 1.11 | 9.35 | ppb |
| Vanadium | 51-2 | 39.24 | 38.67 | 39.27 | 39.06 | 0.86 | ppb |
| Yttrium | 89-1 | | | | 108 | | % |
| Yttrium | 89-2 | | | | 110 | | % |
| Zinc | 66-2 | 123.30 | 123.24 | 125.18 | 123.91 | 0.89 | ppb |
| Zirconium | 90-1 | 1.89 | 2.19 | 1.77 | 1.95 | 11.02 | ppb |
| Zirconium | 91-1 | 1.81 | 2.20 | 1.83 | 1.94 | 11.36 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-06 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:12:58 | DataFile Name : | 106SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 82432.52 | 82137.49 | 82277.09 | 82282.37 | 0.18 | ppb |
| Antimony | 121-1 | 1.81 | 1.94 | 1.87 | 1.87 | 3.66 | ppb |
| Arsenic | 75-2 | 49.16 | 50.54 | 49.31 | 49.67 | 1.53 | ppb |
| Barium | 135-1 | 526.13 | 531.88 | 533.95 | 530.65 | 0.76 | ppb |
| Barium | 137-1 | 538.22 | 555.09 | 578.48 | 557.26 | 3.63 | ppb |
| Beryllium | 9-1 | 5.70 | 5.66 | 5.74 | 5.70 | 0.67 | ppb |
| Bismuth | 209-1 | | | | 103 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 6.87 | 7.83 | 7.54 | 7.41 | 6.65 | ppb |
| Cadmium | 106-1 | 9.52 | 9.03 | 8.15 | 8.90 | 7.80 | ppb |
| Cadmium | 111-1 | 5.61 | 5.57 | 5.50 | 5.56 | 0.94 | ppb |
| Calcium | 43-1 | 50007.50 | 49567.47 | 49259.75 | 49611.57 | 0.76 | ppb |
| Calcium | 44-1 | 47587.44 | 47092.28 | 46350.36 | 47010.03 | 1.32 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 196.93 | 197.56 | 197.06 | 197.18 | 0.17 | ppb |
| Cobalt | 59-2 | 38.44 | 38.44 | 38.86 | 38.58 | 0.63 | ppb |
| Copper | 63-2 | 790.16 | 786.39 | 800.37 | 792.31 | 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 | | | | 106 | | % |
| Holmium | 165-2 | | | | 110 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 103 | | % |
| Iron | 56-2 | 227790.31 | 231094.91 | 234486.10 | 231123.77 | 1.45 | ppb |
| Iron | 57-2 | 231982.05 | 236135.42 | 229040.89 | 232386.12 | 1.53 | ppb |
| Iron | 54-2 | 232526.89 | 233924.38 | 235623.96 | 234025.08 | 0.66 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-06 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:12:58 | DataFile Name : | 106SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 672.35 | 696.38 | 702.13 | 690.29 | 2.29 | ppb |
| Lead | 207-1 | 665.29 | 690.97 | 657.45 | 671.24 | 2.61 | ppb |
| Lead | 208-1 | 668.63 | 681.85 | 668.46 | 672.98 | 1.14 | ppb |
| Lithium | 6-1 | | | | 107 | | % |
| Magnesium | 24-2 | 11703.23 | 11672.18 | 11779.53 | 11718.31 | 0.47 | ppb |
| Manganese | 55-2 | 1271.48 | 1294.26 | 1278.64 | 1281.46 | 0.91 | ppb |
| Molybdenum | 94-1 | 41.93 | 42.13 | 42.23 | 42.10 | 0.37 | ppb |
| Molybdenum | 95-1 | 4.25 | 4.12 | 4.16 | 4.18 | 1.57 | ppb |
| Molybdenum | 96-1 | 9.85 | 10.02 | 9.85 | 9.91 | 0.96 | ppb |
| Molybdenum | 97-1 | 4.26 | 4.22 | 4.38 | 4.29 | 1.99 | ppb |
| Molybdenum | 98-1 | 4.16 | 4.20 | 4.14 | 4.16 | 0.72 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 97.29 | 96.09 | 95.18 | 96.19 | 1.10 | ppb |
| Phosphorus | 31-2 | 7228.14 | 7160.51 | 7126.86 | 7171.83 | 0.72 | ppb |
| Potassium | 39-2 | 3705.14 | 3673.33 | 3723.45 | 3700.64 | 0.69 | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 105 | | % |
| Scandium | 45-1 | | | | 115 | | % |
| Scandium | 45-2 | | | | 110 | | % |
| Selenium | 82-1 | 6.00 | 4.29 | 4.32 | 4.87 | 20.13 | ppb |
| Selenium | 77-2 | 29.19 | 32.04 | 36.22 | 32.48 | 10.88 | ppb |
| Selenium | 78-2 | 8.52 | 8.79 | 9.92 | 9.08 | 8.18 | ppb |
| Silicon | 28-1 | 510.28 | 495.86 | 492.89 | 499.68 | 1.86 | ppb |
| Silver | 107-1 | 16.37 | 16.84 | 16.67 | 16.62 | 1.44 | ppb |
| Silver | 109-1 | 16.55 | 16.58 | 16.74 | 16.62 | 0.62 | ppb |
| Sodium | 23-2 | 2825.34 | 2829.15 | 2836.10 | 2830.20 | 0.19 | ppb |
| Strontium | 86-1 | 169.22 | 168.16 | 169.79 | 169.05 | 0.49 | ppb |
| Strontium | 88-1 | 172.89 | 173.34 | 170.96 | 172.40 | 0.73 | ppb |
| Sulfur | 34-1 | 3238.39 | 2811.69 | 2768.39 | 2939.49 | 8.84 | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 108 | | % |
| Thallium | 203-1 | 1.27 | 1.30 | 1.25 | 1.27 | 2.01 | ppb |
| Thallium | 205-1 | 1.27 | 1.29 | 1.28 | 1.28 | 0.45 | ppb |
| Tin | 118-1 | 16.63 | 16.85 | 16.94 | 16.81 | 0.96 | ppb |
| Titanium | 47-1 | 707.23 | 701.82 | 691.01 | 700.02 | 1.18 | ppb |

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LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-06 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:12:58 | DataFile Name : | 106SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 11.12 | 11.11 | 10.80 | 11.01 | 1.62 | ppb |
| Vanadium | 51-2 | 238.92 | 239.54 | 237.66 | 238.71 | 0.40 | ppb |
| Yttrium | 89-1 | | | | 123 | | % |
| Yttrium | 89-2 | | | | 126 | | % |
| Zinc | 66-2 | 1490.47 | 1491.71 | 1488.61 | 1490.26 | 0.10 | ppb |
| Zirconium | 90-1 | 20.03 | 20.19 | 20.24 | 20.15 | 0.54 | ppb |
| Zirconium | 91-1 | 20.08 | 20.25 | 20.17 | 20.17 | 0.41 | ppb |

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LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-06DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:16:02 | DataFile Name : | 107SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 17166.81 | 16615.11 | 16931.63 | 16904.51 | 1.64 | ppb |
| Antimony | 121-1 | 0.39 | 0.40 | 0.37 | 0.38 | 3.76 | ppb |
| Arsenic | 75-2 | 11.17 | 11.38 | 10.78 | 11.11 | 2.75 | ppb |
| Barium | 135-1 | 107.48 | 103.97 | 104.36 | 105.27 | 1.82 | ppb |
| Barium | 137-1 | 109.45 | 104.44 | 105.64 | 106.51 | 2.45 | ppb |
| Beryllium | 9-1 | 1.22 | 1.20 | 1.17 | 1.20 | 2.09 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 110 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.31 | 1.75 | 1.40 | 1.49 | 15.58 | ppb |
| Cadmium | 106-1 | 2.50 | -1.10 | -0.68 | 0.24 | 823.32 | ppb |
| Cadmium | 111-1 | 1.15 | 0.85 | 0.77 | 0.92 | 21.53 | ppb |
| Calcium | 43-1 | 10223.58 | 10526.63 | 10587.91 | 10446.04 | 1.87 | ppb |
| Calcium | 44-1 | 9807.39 | 9875.74 | 9976.35 | 9886.50 | 0.86 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 40.77 | 40.05 | 40.95 | 40.59 | 1.17 | ppb |
| Cobalt | 59-2 | 8.02 | 7.94 | 7.83 | 7.93 | 1.21 | ppb |
| Copper | 63-2 | 162.52 | 163.90 | 162.37 | 162.93 | 0.52 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 108 | | % |
| Holmium | 165-2 | | | | 110 | | % |
| Indium | 115-1 | | | | 107 | | % |
| Indium | 115-2 | | | | 106 | | % |
| Iron | 56-2 | 48470.92 | 48429.33 | 47837.20 | 48245.82 | 0.73 | ppb |
| Iron | 57-2 | 49015.46 | 48316.42 | 46752.77 | 48028.22 | 2.41 | ppb |
| Iron | 54-2 | 49256.17 | 49134.79 | 48017.64 | 48802.87 | 1.40 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-06DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:16:02 | DataFile Name : | 107SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 120.10 | 119.04 | 118.12 | 119.09 | 0.84 | ppb |
| Lead | 207-1 | 115.64 | 114.47 | 113.26 | 114.46 | 1.04 | ppb |
| Lead | 208-1 | 117.16 | 116.92 | 114.96 | 116.35 | 1.04 | ppb |
| Lithium | 6-1 | | | | 108 | | % |
| Magnesium | 24-2 | 2493.63 | 2500.13 | 2465.58 | 2486.45 | 0.74 | ppb |
| Manganese | 55-2 | 268.44 | 267.01 | 265.35 | 266.93 | 0.58 | ppb |
| Molybdenum | 94-1 | 8.98 | 8.91 | 9.08 | 8.99 | 0.91 | ppb |
| Molybdenum | 95-1 | 0.89 | 0.80 | 0.84 | 0.85 | 4.94 | ppb |
| Molybdenum | 96-1 | 2.16 | 2.15 | 2.15 | 2.15 | 0.32 | ppb |
| Molybdenum | 97-1 | 0.85 | 0.86 | 0.83 | 0.85 | 2.15 | ppb |
| Molybdenum | 98-1 | 0.89 | 0.90 | 0.88 | 0.89 | 0.70 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 19.91 | 20.43 | 20.23 | 20.19 | 1.31 | ppb |
| Phosphorus | 31-2 | 1471.51 | 1446.93 | 1483.06 | 1467.17 | 1.26 | ppb |
| Potassium | 39-2 | 759.93 | 753.08 | 751.06 | 754.69 | 0.62 | ppb |
| Rhodium | 103-1 | | | | 106 | | % |
| Rhodium | 103-2 | | | | 108 | | % |
| Scandium | 45-1 | | | | 109 | | % |
| Scandium | 45-2 | | | | 107 | | % |
| Selenium | 82-1 | 1.51 | 1.21 | 0.84 | 1.19 | 28.43 | ppb |
| Selenium | 77-2 | 12.22 | 5.85 | 6.18 | 8.09 | 44.33 | ppb |
| Selenium | 78-2 | 3.13 | 3.99 | 0.78 | 2.64 | 63.04 | ppb |
| Silicon | 28-1 | 101.85 | 104.76 | 105.97 | 104.19 | 2.04 | ppb |
| Silver | 107-1 | 3.42 | 3.25 | 3.31 | 3.33 | 2.61 | ppb |
| Silver | 109-1 | 3.36 | 3.28 | 3.35 | 3.33 | 1.23 | ppb |
| Sodium | 23-2 | 583.55 | 581.44 | 583.37 | 582.79 | 0.20 | ppb |
| Strontium | 86-1 | 37.23 | 37.13 | 36.23 | 36.87 | 1.51 | ppb |
| Strontium | 88-1 | 36.96 | 37.04 | 36.94 | 36.98 | 0.14 | ppb |
| Sulfur | 34-1 | -1129.70 | -1079.37 | -930.00 | -1046.36 | | ppb |
| Terbium | 159-1 | | | | 108 | | % |
| Terbium | 159-2 | | | | 109 | | % |
| Thallium | 203-1 | 0.23 | 0.25 | 0.27 | 0.25 | 6.29 | ppb |
| Thallium | 205-1 | 0.26 | 0.25 | 0.25 | 0.25 | 1.98 | ppb |
| Tin | 118-1 | 3.17 | 3.02 | 3.06 | 3.08 | 2.50 | ppb |
| Titanium | 47-1 | 142.29 | 148.99 | 151.04 | 147.44 | 3.10 | ppb |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-06DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:16:02 | DataFile Name : | 107SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 2.16 | 2.12 | 2.12 | 2.13 | 1.11 | ppb |
| Vanadium | 51-2 | 49.45 | 48.80 | 49.46 | 49.24 | 0.77 | ppb |
| Yttrium | 89-1 | | | | 113 | | % |
| Yttrium | 89-2 | | | | 113 | | % |
| Zinc | 66-2 | 319.66 | 319.78 | 312.44 | 317.29 | 1.32 | ppb |
| Zirconium | 90-1 | 4.34 | 4.38 | 4.33 | 4.35 | 0.55 | ppb |
| Zirconium | 91-1 | 4.30 | 4.39 | 4.24 | 4.31 | 1.84 | ppb |

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LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-07 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:19:16 | DataFile Name : | 108SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 122651.25 | 124187.78 | 124485.03 | 123774.69 | 0.80 | ppb |
| Antimony | 121-1 | 1.84 | 1.86 | 1.93 | 1.88 | 2.49 | ppb |
| Arsenic | 75-2 | 58.33 | 57.79 | 59.99 | 58.71 | 1.95 | ppb |
| Barium | 135-1 | 743.10 | 722.83 | 737.21 | 734.38 | 1.42 | ppb |
| Barium | 137-1 | 787.99 | 778.14 | 799.67 | 788.60 | 1.37 | ppb |
| Beryllium | 9-1 | 8.34 | 8.64 | 8.69 | 8.56 | 2.18 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 9.06 | 8.90 | 9.18 | 9.05 | 1.54 | ppb |
| Cadmium | 106-1 | 11.57 | 11.35 | 12.18 | 11.70 | 3.67 | ppb |
| Cadmium | 111-1 | 6.82 | 6.70 | 6.61 | 6.71 | 1.59 | ppb |
| Calcium | 43-1 | 63064.67 | 63488.12 | 65908.28 | 64153.69 | 2.39 | ppb |
| Calcium | 44-1 | 63312.16 | 63407.27 | 66104.38 | 64274.60 | 2.47 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 247.49 | 247.43 | 245.35 | 246.76 | 0.49 | ppb |
| Cobalt | 59-2 | 61.40 | 59.80 | 61.09 | 60.76 | 1.39 | ppb |
| Copper | 63-2 | 1021.75 | 995.11 | 1018.38 | 1011.75 | 1.43 | 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 | | | | 108 | | % |
| Holmium | 165-2 | | | | 112 | | % |
| Indium | 115-1 | | | | 105 | | % |
| Indium | 115-2 | | | | 106 | | % |
| Iron | 56-2 | 182514.49 | 182626.81 | 182746.37 | 182629.22 | 0.06 | ppb |
| Iron | 57-2 | 183361.22 | 181757.67 | 180034.30 | 181717.73 | 0.92 | ppb |
| Iron | 54-2 | 187149.08 | 180515.35 | 179553.64 | 182406.02 | 2.27 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-07 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:19:16 | DataFile Name : | 108SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 795.49 | 803.09 | 834.00 | 810.86 | 2.52 | ppb |
| Lead | 207-1 | 785.00 | 768.13 | 775.15 | 776.09 | 1.09 | ppb |
| Lead | 208-1 | 788.85 | 789.04 | 796.70 | 791.53 | 0.57 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 18579.55 | 18419.02 | 18666.84 | 18555.13 | 0.68 | ppb |
| Manganese | 55-2 | 1493.23 | 1452.04 | 1449.31 | 1464.86 | 1.68 | ppb |
| Molybdenum | 94-1 | 45.73 | 45.82 | 46.30 | 45.95 | 0.67 | ppb |
| Molybdenum | 95-1 | 4.05 | 3.97 | 4.00 | 4.01 | 1.08 | ppb |
| Molybdenum | 96-1 | 9.70 | 9.63 | 9.80 | 9.71 | 0.89 | ppb |
| Molybdenum | 97-1 | 4.12 | 4.15 | 4.25 | 4.17 | 1.58 | ppb |
| Molybdenum | 98-1 | 3.98 | 3.93 | 4.09 | 4.00 | 2.12 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 132.62 | 131.69 | 132.60 | 132.30 | 0.40 | ppb |
| Phosphorus | 31-2 | 5559.03 | 5615.60 | 5593.81 | 5589.48 | 0.51 | ppb |
| Potassium | 39-2 | 4683.01 | 4574.20 | 4737.37 | 4664.86 | 1.78 | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 103 | | % |
| Scandium | 45-1 | | | | 119 | | % |
| Scandium | 45-2 | | | | 114 | | % |
| Selenium | 82-1 | 6.45 | 6.04 | 6.65 | 6.38 | 4.83 | ppb |
| Selenium | 77-2 | 51.05 | 52.24 | 57.27 | 53.52 | 6.17 | ppb |
| Selenium | 78-2 | 14.90 | 12.19 | 11.82 | 12.97 | 12.97 | ppb |
| Silicon | 28-1 | 493.02 | 493.43 | 512.53 | 499.66 | 2.23 | ppb |
| Silver | 107-1 | 15.58 | 15.61 | 15.71 | 15.63 | 0.45 | ppb |
| Silver | 109-1 | 15.56 | 15.55 | 15.73 | 15.61 | 0.62 | ppb |
| Sodium | 23-2 | 4378.26 | 4197.15 | 4364.95 | 4313.45 | 2.34 | ppb |
| Strontium | 86-1 | 216.02 | 215.24 | 223.17 | 218.14 | 2.00 | ppb |
| Strontium | 88-1 | 221.03 | 219.78 | 222.93 | 221.25 | 0.72 | ppb |
| Sulfur | 34-1 | 4294.31 | 4121.72 | 4419.58 | 4278.54 | 3.50 | ppb |
| Terbium | 159-1 | | | | 107 | | % |
| Terbium | 159-2 | | | | 110 | | % |
| Thallium | 203-1 | 1.93 | 1.92 | 1.93 | 1.92 | 0.26 | ppb |
| Thallium | 205-1 | 1.92 | 1.94 | 1.98 | 1.95 | 1.32 | ppb |
| Tin | 118-1 | 13.40 | 13.50 | 13.64 | 13.52 | 0.89 | ppb |
| Titanium | 47-1 | 908.65 | 892.76 | 912.90 | 904.77 | 1.17 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-07 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:19:16 | DataFile Name : | 108SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 11.80 | 11.97 | 12.22 | 12.00 | 1.78 | ppb |
| Vanadium | 51-2 | 330.94 | 327.96 | 324.12 | 327.67 | 1.04 | ppb |
| Yttrium | 89-1 | | | | 137 | | % |
| Yttrium | 89-2 | | | | 135 | | % |
| Zinc | 66-2 | 1168.50 | 1150.35 | 1166.23 | 1161.69 | 0.85 | ppb |
| Zirconium | 90-1 | 21.96 | 22.00 | 22.50 | 22.16 | 1.36 | ppb |
| Zirconium | 91-1 | 21.85 | 21.76 | 22.48 | 22.03 | 1.78 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-07DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:22:18 | DataFile Name : | 109SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 26274.83 | 27013.96 | 25139.68 | 26142.82 | 3.61 | ppb |
| Antimony | 121-1 | 0.36 | 0.37 | 0.36 | 0.36 | 1.07 | ppb |
| Arsenic | 75-2 | 13.84 | 14.20 | 12.93 | 13.65 | 4.81 | ppb |
| Barium | 135-1 | 141.93 | 146.57 | 145.87 | 144.79 | 1.73 | ppb |
| Barium | 137-1 | 143.76 | 148.16 | 147.10 | 146.34 | 1.57 | ppb |
| Beryllium | 9-1 | 1.62 | 1.72 | 1.53 | 1.62 | 5.96 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.77 | 1.82 | 1.46 | 1.68 | 11.55 | ppb |
| Cadmium | 106-1 | -0.24 | 0.76 | 1.29 | 0.61 | 128.30 | ppb |
| Cadmium | 111-1 | 1.08 | 1.21 | 1.31 | 1.20 | 9.29 | ppb |
| Calcium | 43-1 | 13763.79 | 14032.17 | 14067.00 | 13954.32 | 1.19 | ppb |
| Calcium | 44-1 | 13136.71 | 13352.64 | 13106.67 | 13198.67 | 1.02 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 51.30 | 53.92 | 49.75 | 51.66 | 4.08 | ppb |
| Cobalt | 59-2 | 12.90 | 13.55 | 12.68 | 13.04 | 3.48 | ppb |
| Copper | 63-2 | 209.52 | 220.54 | 204.82 | 211.63 | 3.81 | 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 | | | | 108 | | % |
| Holmium | 165-2 | | | | 108 | | % |
| Indium | 115-1 | | | | 106 | | % |
| Indium | 115-2 | | | | 107 | | % |
| Iron | 56-2 | 38657.69 | 40107.29 | 37272.69 | 38679.22 | 3.66 | ppb |
| Iron | 57-2 | 38781.14 | 39153.84 | 36943.27 | 38292.75 | 3.09 | ppb |
| Iron | 54-2 | 38430.62 | 40045.51 | 37215.38 | 38563.84 | 3.68 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-07DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:22:18 | DataFile Name : | 109SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 136.03 | 138.49 | 139.84 | 138.12 | 1.40 | ppb |
| Lead | 207-1 | 128.93 | 131.99 | 131.89 | 130.94 | 1.33 | ppb |
| Lead | 208-1 | 132.78 | 135.17 | 135.53 | 134.49 | 1.11 | ppb |
| Lithium | 6-1 | | | | 108 | | % |
| Magnesium | 24-2 | 4008.37 | 4190.25 | 3922.12 | 4040.25 | 3.39 | ppb |
| Manganese | 55-2 | 312.73 | 326.46 | 301.81 | 313.67 | 3.94 | ppb |
| Molybdenum | 94-1 | 10.58 | 10.47 | 10.45 | 10.50 | 0.66 | ppb |
| Molybdenum | 95-1 | 0.92 | 0.88 | 0.88 | 0.90 | 2.61 | ppb |
| Molybdenum | 96-1 | 2.27 | 2.21 | 2.33 | 2.27 | 2.55 | ppb |
| Molybdenum | 97-1 | 0.95 | 0.88 | 0.85 | 0.89 | 5.64 | ppb |
| Molybdenum | 98-1 | 0.94 | 0.88 | 0.94 | 0.92 | 3.98 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 28.61 | 29.42 | 27.37 | 28.47 | 3.62 | ppb |
| Phosphorus | 31-2 | 1195.00 | 1220.33 | 1157.43 | 1190.92 | 2.66 | ppb |
| Potassium | 39-2 | 1014.17 | 1066.49 | 977.52 | 1019.39 | 4.39 | ppb |
| Rhodium | 103-1 | | | | 105 | | % |
| Rhodium | 103-2 | | | | 106 | | % |
| Scandium | 45-1 | | | | 110 | | % |
| Scandium | 45-2 | | | | 105 | | % |
| Selenium | 82-1 | 2.09 | 2.27 | 1.52 | 1.96 | 19.84 | ppb |
| Selenium | 77-2 | 9.00 | 10.55 | 12.38 | 10.64 | 15.86 | ppb |
| Selenium | 78-2 | 2.25 | 3.67 | 2.25 | 2.72 | 30.01 | ppb |
| Silicon | 28-1 | 101.48 | 105.72 | 104.27 | 103.82 | 2.08 | ppb |
| Silver | 107-1 | 3.08 | 3.14 | 3.19 | 3.14 | 1.69 | ppb |
| Silver | 109-1 | 3.07 | 3.06 | 3.15 | 3.09 | 1.71 | ppb |
| Sodium | 23-2 | 943.60 | 990.60 | 918.94 | 951.05 | 3.83 | ppb |
| Strontium | 86-1 | 50.34 | 50.60 | 51.02 | 50.65 | 0.68 | ppb |
| Strontium | 88-1 | 50.56 | 50.18 | 50.77 | 50.50 | 0.59 | ppb |
| Sulfur | 34-1 | -1078.53 | -1006.35 | -1055.69 | -1046.86 | | ppb |
| Terbium | 159-1 | | | | 107 | | % |
| Terbium | 159-2 | | | | 107 | | % |
| Thallium | 203-1 | 0.35 | 0.38 | 0.40 | 0.37 | 7.65 | ppb |
| Thallium | 205-1 | 0.36 | 0.37 | 0.36 | 0.36 | 1.46 | ppb |
| Tin | 118-1 | 2.47 | 2.47 | 2.54 | 2.49 | 1.58 | ppb |
| Titanium | 47-1 | 184.68 | 187.55 | 188.00 | 186.74 | 0.96 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-07DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:22:18 | DataFile Name : | 109SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 2.22 | 2.29 | 2.24 | 2.25 | 1.45 | ppb |
| Vanadium | 51-2 | 67.88 | 70.92 | 65.34 | 68.05 | 4.11 | ppb |
| Yttrium | 89-1 | | | | 114 | | % |
| Yttrium | 89-2 | | | | 112 | | % |
| Zinc | 66-2 | 250.04 | 262.77 | 243.08 | 251.96 | 3.96 | ppb |
| Zirconium | 90-1 | 5.08 | 5.05 | 5.13 | 5.09 | 0.84 | ppb |
| Zirconium | 91-1 | 5.16 | 5.19 | 5.21 | 5.18 | 0.51 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-08 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-J-SO-0.5-1.0-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:25:33 | DataFile Name : | 110SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 122734.97 | 121959.37 | 122013.48 | 122235.94 | 0.35 | ppb |
| Antimony | 121-1 | 1.14 | 1.16 | 1.17 | 1.15 | 1.37 | ppb |
| Arsenic | 75-2 | 57.30 | 59.59 | 59.59 | 58.83 | 2.25 | ppb |
| Barium | 135-1 | 691.80 | 701.21 | 693.65 | 695.55 | 0.72 | ppb |
| Barium | 137-1 | 741.95 | 753.52 | 749.15 | 748.20 | 0.78 | ppb |
| Beryllium | 9-1 | 9.45 | 9.99 | 9.94 | 9.79 | 3.08 | ppb |
| Bismuth | 209-1 | | | | 103 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 7.39 | 7.28 | 7.25 | 7.31 | 1.03 | ppb |
| Cadmium | 106-1 | 11.04 | 9.74 | 9.27 | 10.02 | 9.15 | ppb |
| Cadmium | 111-1 | 5.84 | 5.81 | 5.79 | 5.81 | 0.46 | ppb |
| Calcium | 43-1 | 40796.27 | 40607.52 | 40992.86 | 40798.89 | 0.47 | ppb |
| Calcium | 44-1 | 38127.28 | 38536.32 | 39116.65 | 38593.42 | 1.29 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 211.57 | 210.04 | 211.06 | 210.89 | 0.37 | ppb |
| Cobalt | 59-2 | 126.29 | 125.54 | 126.79 | 126.20 | 0.50 | ppb |
| Copper | 63-2 | 1014.49 | 998.38 | 1015.16 | 1009.34 | 0.94 | 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 | | | | 106 | | % |
| Holmium | 165-2 | | | | 111 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 105 | | % |
| Iron | 56-2 | 193042.94 | 193579.11 | 190668.21 | 192430.08 | 0.81 | ppb |
| Iron | 57-2 | 192230.37 | 188788.79 | 193827.54 | 191615.56 | 1.34 | ppb |
| Iron | 54-2 | 193873.62 | 193178.48 | 195788.91 | 194280.34 | 0.70 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-08 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-J-SO-0.5-1.0-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:25:33 | DataFile Name : | 110SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 661.85 | 681.69 | 668.32 | 670.62 | 1.51 | ppb |
| Lead | 207-1 | 638.99 | 669.18 | 635.29 | 647.82 | 2.87 | ppb |
| Lead | 208-1 | 643.69 | 668.28 | 647.92 | 653.30 | 2.01 | ppb |
| Lithium | 6-1 | | | | 108 | | % |
| Magnesium | 24-2 | 16306.03 | 15963.44 | 16044.65 | 16104.71 | 1.11 | ppb |
| Manganese | 55-2 | 1177.52 | 1178.32 | 1184.45 | 1180.10 | 0.32 | ppb |
| Molybdenum | 94-1 | 35.75 | 36.49 | 35.68 | 35.97 | 1.24 | ppb |
| Molybdenum | 95-1 | 3.58 | 3.72 | 3.58 | 3.63 | 2.28 | ppb |
| Molybdenum | 96-1 | 8.40 | 8.63 | 8.47 | 8.50 | 1.39 | ppb |
| Molybdenum | 97-1 | 3.68 | 3.90 | 3.63 | 3.74 | 3.75 | ppb |
| Molybdenum | 98-1 | 3.72 | 3.71 | 3.67 | 3.70 | 0.79 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 253.55 | 251.39 | 252.72 | 252.55 | 0.43 | ppb |
| Phosphorus | 31-2 | 4420.24 | 4370.81 | 4422.43 | 4404.49 | 0.66 | ppb |
| Potassium | 39-2 | 4256.83 | 4128.44 | 4468.14 | 4284.47 | 4.00 | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 117 | | % |
| Scandium | 45-2 | | | | 113 | | % |
| Selenium | 82-1 | 5.03 | 4.99 | 4.90 | 4.97 | 1.41 | ppb |
| Selenium | 77-2 | 42.24 | 43.14 | 49.37 | 44.92 | 8.65 | ppb |
| Selenium | 78-2 | 13.06 | 11.59 | 13.32 | 12.66 | 7.36 | ppb |
| Silicon | 28-1 | 520.62 | 523.62 | 522.13 | 522.12 | 0.29 | ppb |
| Silver | 107-1 | 17.72 | 18.43 | 18.05 | 18.07 | 1.96 | ppb |
| Silver | 109-1 | 17.80 | 18.31 | 18.15 | 18.09 | 1.46 | ppb |
| Sodium | 23-2 | 3472.16 | 3335.92 | 3400.90 | 3402.99 | 2.00 | ppb |
| Strontium | 86-1 | 165.76 | 168.19 | 165.89 | 166.61 | 0.82 | ppb |
| Strontium | 88-1 | 166.22 | 172.51 | 170.47 | 169.73 | 1.89 | ppb |
| Sulfur | 34-1 | 159.73 | 43.78 | -46.98 | 52.18 | 198.57 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 107 | | % |
| Thallium | 203-1 | 1.77 | 1.84 | 1.78 | 1.80 | 2.04 | ppb |
| Thallium | 205-1 | 1.78 | 1.78 | 1.78 | 1.78 | 0.10 | ppb |
| Tin | 118-1 | 30.09 | 30.22 | 30.25 | 30.19 | 0.27 | ppb |
| Titanium | 47-1 | 725.27 | 736.35 | 728.58 | 730.07 | 0.78 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-08 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-J-SO-0.5-1.0-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:25:33 | DataFile Name : | 110SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8.49 | 8.71 | 8.68 | 8.63 | 1.40 | ppb |
| Vanadium | 51-2 | 333.73 | 332.13 | 331.01 | 332.29 | 0.41 | ppb |
| Yttrium | 89-1 | | | | 135 | | % |
| Yttrium | 89-2 | | | | 134 | | % |
| Zinc | 66-2 | 994.75 | 992.36 | 1002.01 | 996.37 | 0.50 | ppb |
| Zirconium | 90-1 | 16.91 | 17.29 | 17.09 | 17.10 | 1.11 | ppb |
| Zirconium | 91-1 | 17.09 | 17.20 | 16.85 | 17.05 | 1.05 | ppb |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-08DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-J-SO-0.5-1.0-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:28:35 | DataFile Name : | 111SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 25987.03 | 26728.98 | 25651.21 | 26122.41 | 2.11 | ppb |
| Antimony | 121-1 | 0.25 | 0.22 | 0.25 | 0.24 | 7.12 | ppb |
| Arsenic | 75-2 | 13.91 | 13.11 | 13.54 | 13.52 | 2.99 | ppb |
| Barium | 135-1 | 137.58 | 137.39 | 137.45 | 137.48 | 0.07 | ppb |
| Barium | 137-1 | 139.34 | 138.82 | 139.20 | 139.12 | 0.20 | ppb |
| Beryllium | 9-1 | 2.02 | 2.05 | 1.98 | 2.02 | 1.90 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 111 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.38 | 1.23 | 1.74 | 1.45 | 18.02 | ppb |
| Cadmium | 106-1 | 0.83 | 0.27 | 0.71 | 0.60 | 48.93 | ppb |
| Cadmium | 111-1 | 1.02 | 1.05 | 1.02 | 1.03 | 1.80 | ppb |
| Calcium | 43-1 | 8524.88 | 8533.11 | 8382.35 | 8480.12 | 1.00 | ppb |
| Calcium | 44-1 | 8154.12 | 8189.17 | 7948.64 | 8097.31 | 1.60 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 44.29 | 44.49 | 43.37 | 44.05 | 1.36 | ppb |
| Cobalt | 59-2 | 27.05 | 26.71 | 26.44 | 26.73 | 1.13 | ppb |
| Copper | 63-2 | 211.87 | 209.30 | 208.49 | 209.89 | 0.84 | 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 | | | | 111 | | % |
| Indium | 115-1 | | | | 107 | | % |
| Indium | 115-2 | | | | 109 | | % |
| Iron | 56-2 | 40477.44 | 41345.95 | 40644.65 | 40822.68 | 1.13 | ppb |
| Iron | 57-2 | 41142.00 | 41505.80 | 40216.30 | 40954.70 | 1.62 | ppb |
| Iron | 54-2 | 41434.17 | 40691.62 | 40312.51 | 40812.77 | 1.40 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-08DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-J-SO-0.5-1.0-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:28:35 | DataFile Name : | 111SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 114.76 | 118.85 | 118.33 | 117.31 | 1.90 | ppb |
| Lead | 207-1 | 109.20 | 111.59 | 112.42 | 111.07 | 1.51 | ppb |
| Lead | 208-1 | 112.35 | 114.13 | 115.51 | 114.00 | 1.39 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 3570.92 | 3559.32 | 3496.09 | 3542.11 | 1.14 | ppb |
| Manganese | 55-2 | 254.51 | 254.50 | 251.20 | 253.40 | 0.75 | ppb |
| Molybdenum | 94-1 | 8.41 | 8.45 | 8.32 | 8.39 | 0.83 | ppb |
| Molybdenum | 95-1 | 0.81 | 0.83 | 0.85 | 0.83 | 2.48 | ppb |
| Molybdenum | 96-1 | 1.98 | 1.94 | 2.07 | 2.00 | 3.43 | ppb |
| Molybdenum | 97-1 | 0.79 | 0.81 | 0.90 | 0.83 | 7.51 | ppb |
| Molybdenum | 98-1 | 0.85 | 0.83 | 0.83 | 0.84 | 1.61 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 53.70 | 54.16 | 52.65 | 53.50 | 1.45 | ppb |
| Phosphorus | 31-2 | 922.78 | 939.34 | 903.84 | 921.99 | 1.93 | ppb |
| Potassium | 39-2 | 915.87 | 923.05 | 897.15 | 912.02 | 1.47 | ppb |
| Rhodium | 103-1 | | | | 106 | | % |
| Rhodium | 103-2 | | | | 108 | | % |
| Scandium | 45-1 | | | | 112 | | % |
| Scandium | 45-2 | | | | 107 | | % |
| Selenium | 82-1 | 1.37 | 1.63 | 1.85 | 1.62 | 15.05 | ppb |
| Selenium | 77-2 | 7.45 | 9.97 | 13.42 | 10.28 | 29.16 | ppb |
| Selenium | 78-2 | 2.40 | 3.38 | 1.14 | 2.31 | 48.74 | ppb |
| Silicon | 28-1 | 110.34 | 106.48 | 105.69 | 107.50 | 2.32 | ppb |
| Silver | 107-1 | 3.60 | 3.69 | 3.72 | 3.67 | 1.80 | ppb |
| Silver | 109-1 | 3.57 | 3.68 | 3.69 | 3.65 | 1.80 | ppb |
| Sodium | 23-2 | 755.71 | 760.03 | 749.83 | 755.19 | 0.68 | ppb |
| Strontium | 86-1 | 39.19 | 39.16 | 39.56 | 39.30 | 0.57 | ppb |
| Strontium | 88-1 | 39.60 | 39.32 | 39.58 | 39.50 | 0.41 | ppb |
| Sulfur | 34-1 | -1978.36 | -2146.98 | -2144.48 | -2089.94 | | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 109 | | % |
| Thallium | 203-1 | 0.32 | 0.34 | 0.35 | 0.34 | 4.35 | ppb |
| Thallium | 205-1 | 0.34 | 0.35 | 0.36 | 0.35 | 1.82 | ppb |
| Tin | 118-1 | 5.36 | 5.23 | 5.51 | 5.36 | 2.60 | ppb |
| Titanium | 47-1 | 153.16 | 153.51 | 153.73 | 153.46 | 0.19 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-08DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-J-SO-0.5-1.0-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:28:35 | DataFile Name : | 111SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.61 | 1.64 | 1.67 | 1.64 | 1.82 | ppb |
| Vanadium | 51-2 | 69.56 | 70.00 | 68.59 | 69.38 | 1.04 | ppb |
| Yttrium | 89-1 | | | | 114 | | % |
| Yttrium | 89-2 | | | | 114 | | % |
| Zinc | 66-2 | 215.69 | 213.20 | 212.10 | 213.66 | 0.86 | ppb |
| Zirconium | 90-1 | 4.02 | 4.09 | 3.99 | 4.03 | 1.29 | ppb |
| Zirconium | 91-1 | 3.93 | 4.02 | 4.09 | 4.01 | 2.01 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV08 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV08 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:31:48 | DataFile Name : | 112CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 49482.67 | 49304.27 | 50410.09 | 49732.34 | 1.19 | ppb |
| Antimony | 121-1 | 482.69 | 492.01 | 492.43 | 489.05 | 1.13 | ppb |
| Arsenic | 75-2 | 480.50 | 473.29 | 476.89 | 476.90 | 0.76 | ppb |
| Barium | 135-1 | 2410.93 | 2375.77 | 2410.16 | 2398.96 | 0.84 | ppb |
| Barium | 137-1 | 2399.44 | 2455.86 | 2369.39 | 2408.23 | 1.82 | ppb |
| Beryllium | 9-1 | 504.52 | 510.98 | 509.63 | 508.38 | 0.67 | ppb |
| Bismuth | 209-1 | | | | 103 | | % |
| Bismuth | 209-2 | | | | 103 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 485.49 | 475.94 | 483.83 | 481.75 | 1.06 | ppb |
| Cadmium | 106-1 | 480.39 | 470.67 | 478.59 | 476.55 | 1.09 | ppb |
| Cadmium | 111-1 | 468.34 | 463.46 | 469.39 | 467.06 | 0.68 | ppb |
| Calcium | 43-1 | 245709.15 | 262470.45 | 256103.49 | 254761.03 | 3.32 | ppb |
| Calcium | 44-1 | 248651.21 | 263789.31 | 251563.78 | 254668.10 | 3.15 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 483.09 | 483.37 | 485.18 | 483.88 | 0.23 | ppb |
| Cobalt | 59-2 | 489.25 | 469.13 | 479.18 | 479.19 | 2.10 | ppb |
| Copper | 63-2 | 4879.35 | 4737.58 | 4767.63 | 4794.85 | 1.56 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 108 | | % |
| Holmium | 165-2 | | | | 110 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 101 | | % |
| Iron | 56-2 | 125819.60 | 128738.10 | 127629.50 | 127395.73 | 1.16 | ppb |
| Iron | 57-2 | 130841.41 | 124983.13 | 128006.08 | 127943.54 | 2.29 | ppb |
| Iron | 54-2 | 127306.69 | 126437.99 | 129270.51 | 127671.73 | 1.14 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV08 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV08 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:31:48 | DataFile Name : | 112CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2422.25 | 2500.85 | 2454.94 | 2459.34 | 1.61 | ppb |
| Lead | 207-1 | 2377.70 | 2481.66 | 2430.97 | 2430.11 | 2.14 | ppb |
| Lead | 208-1 | 2392.81 | 2518.16 | 2462.08 | 2457.68 | 2.55 | ppb |
| Lithium | 6-1 | | | | 110 | | % |
| Magnesium | 24-2 | 247498.81 | 247097.24 | 248305.39 | 247633.81 | 0.25 | ppb |
| Manganese | 55-2 | 4756.57 | 4821.08 | 4766.75 | 4781.47 | 0.73 | ppb |
| Molybdenum | 94-1 | 5070.95 | 5294.96 | 5454.05 | 5273.32 | 3.65 | ppb |
| Molybdenum | 95-1 | 5182.87 | 5358.37 | 5361.51 | 5300.92 | 1.93 | ppb |
| Molybdenum | 96-1 | 5113.85 | 5342.83 | 5510.43 | 5322.37 | 3.74 | ppb |
| Molybdenum | 97-1 | 5222.59 | 5478.91 | 5632.67 | 5444.72 | 3.80 | ppb |
| Molybdenum | 98-1 | 5182.44 | 5425.99 | 5469.93 | 5359.45 | 2.89 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 464.56 | 465.61 | 466.78 | 465.65 | 0.24 | ppb |
| Phosphorus | 31-2 | 9527.31 | 9541.21 | 9503.80 | 9524.11 | 0.20 | ppb |
| Potassium | 39-2 | 122080.04 | 127626.16 | 124766.18 | 124824.13 | 2.22 | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 109 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 456.85 | 479.35 | 472.33 | 469.51 | 2.45 | ppb |
| Selenium | 77-2 | 473.64 | 456.34 | 455.31 | 461.76 | 2.23 | ppb |
| Selenium | 78-2 | 476.91 | 467.82 | 468.68 | 471.14 | 1.07 | ppb |
| Silicon | 28-1 | 483.70 | 502.30 | 505.08 | 497.03 | 2.34 | ppb |
| Silver | 107-1 | 485.33 | 473.91 | 479.95 | 479.73 | 1.19 | ppb |
| Silver | 109-1 | 480.93 | 478.77 | 482.63 | 480.78 | 0.40 | ppb |
| Sodium | 23-2 | 250448.84 | 251692.67 | 250452.87 | 250864.79 | 0.29 | ppb |
| Strontium | 86-1 | 11784.62 | 12146.84 | 12730.13 | 12220.53 | 3.90 | ppb |
| Strontium | 88-1 | 11704.14 | 12289.96 | 12334.23 | 12109.45 | 2.90 | ppb |
| Sulfur | 34-1 | 8299.45 | 8398.47 | 8279.58 | 8325.84 | 0.76 | ppb |
| Terbium | 159-1 | | | | 107 | | % |
| Terbium | 159-2 | | | | 108 | | % |
| Thallium | 203-1 | 493.08 | 494.39 | 488.79 | 492.09 | 0.59 | ppb |
| Thallium | 205-1 | 489.85 | 494.31 | 498.20 | 494.12 | 0.85 | ppb |
| Tin | 118-1 | 488.76 | 494.37 | 499.15 | 494.09 | 1.05 | ppb |
| Titanium | 47-1 | 5347.63 | 5447.28 | 5372.24 | 5389.05 | 0.96 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV08 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV08 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:31:48 | DataFile Name : | 112CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 477.31 | 500.06 | 489.15 | 488.84 | 2.33 | ppb |
| Vanadium | 51-2 | 496.57 | 489.19 | 495.98 | 493.91 | 0.83 | ppb |
| Yttrium | 89-1 | | | | 108 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | 4773.37 | 4717.70 | 4813.85 | 4768.31 | 1.01 | ppb |
| Zirconium | 90-1 | 473.63 | 493.67 | 500.56 | 489.28 | 2.86 | ppb |
| Zirconium | 91-1 | 467.06 | 489.31 | 493.22 | 483.20 | 2.92 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB08 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB08 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:50:58 | DataFile Name : | 113CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | -0.47 | -0.90 | -0.99 | -0.79 | | ppb |
| Antimony | 121-1 | 0.04 | 0.06 | 0.06 | 0.05 | 22.16 | ppb |
| Arsenic | 75-2 | -0.02 | -0.03 | 0.00 | -0.01 | | ppb |
| Barium | 135-1 | -0.01 | -0.02 | -0.01 | -0.01 | | ppb |
| Barium | 137-1 | 0.00 | -0.01 | -0.02 | -0.01 | | ppb |
| Beryllium | 9-1 | 0.02 | 0.00 | 0.04 | 0.02 | 98.07 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.13 | -0.01 | -0.07 | -0.07 | | ppb |
| Cadmium | 106-1 | -2.63 | -3.04 | -3.15 | -2.94 | | ppb |
| Cadmium | 111-1 | -0.19 | -0.23 | -0.24 | -0.22 | | ppb |
| Calcium | 43-1 | -7.33 | -4.94 | -5.14 | -5.80 | | ppb |
| Calcium | 44-1 | -8.78 | -8.39 | -10.54 | -9.24 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.25 | -0.26 | -0.26 | -0.26 | | ppb |
| Cobalt | 59-2 | -0.01 | -0.01 | -0.01 | -0.01 | | ppb |
| Copper | 63-2 | -0.02 | 0.01 | 0.00 | 0.00 | | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 105 | | % |
| Iron | 56-2 | -0.77 | -0.67 | -0.32 | -0.59 | | ppb |
| Iron | 57-2 | -4.31 | 0.35 | -2.46 | -2.14 | | ppb |
| Iron | 54-2 | 0.45 | 0.23 | 0.05 | 0.24 | 83.41 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB08 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB08 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:50:58 | DataFile Name : | 113CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | -0.02 | -0.03 | -0.03 | -0.03 | | ppb |
| Lead | 207-1 | -0.04 | -0.03 | -0.03 | -0.04 | | ppb |
| Lead | 208-1 | -0.03 | -0.03 | -0.03 | -0.03 | | ppb |
| Lithium | 6-1 | | | | 103 | | % |
| Magnesium | 24-2 | 2.25 | 1.96 | 2.92 | 2.38 | 20.70 | ppb |
| Manganese | 55-2 | -0.07 | -0.04 | -0.03 | -0.05 | | ppb |
| Molybdenum | 94-1 | 0.01 | 0.01 | 0.02 | 0.02 | 24.29 | ppb |
| Molybdenum | 95-1 | -0.01 | -0.01 | 0.01 | 0.00 | | ppb |
| Molybdenum | 96-1 | 0.01 | 0.01 | 0.02 | 0.01 | 29.63 | ppb |
| Molybdenum | 97-1 | -0.01 | 0.00 | -0.02 | -0.01 | | ppb |
| Molybdenum | 98-1 | 0.01 | 0.00 | 0.01 | 0.00 | 125.11 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.20 | -0.17 | -0.15 | -0.17 | | ppb |
| Phosphorus | 31-2 | -17.96 | -18.30 | -19.72 | -18.66 | | ppb |
| Potassium | 39-2 | -12.82 | -12.01 | -10.91 | -11.91 | | ppb |
| Rhodium | 103-1 | | | | 104 | | % |
| Rhodium | 103-2 | | | | 107 | | % |
| Scandium | 45-1 | | | | 108 | | % |
| Scandium | 45-2 | | | | 104 | | % |
| Selenium | 82-1 | 0.01 | 0.35 | 0.52 | 0.29 | 89.95 | ppb |
| Selenium | 77-2 | 0.23 | -0.13 | -0.13 | -0.01 | | ppb |
| Selenium | 78-2 | -1.28 | 0.99 | -0.81 | -0.37 | | ppb |
| Silicon | 28-1 | -0.55 | -0.55 | -0.59 | -0.56 | | ppb |
| Silver | 107-1 | 0.01 | 0.00 | 0.00 | 0.00 | 89.87 | ppb |
| Silver | 109-1 | 0.01 | 0.00 | 0.00 | 0.00 | 56.19 | ppb |
| Sodium | 23-2 | 9.51 | 10.16 | 10.30 | 9.99 | 4.20 | ppb |
| Strontium | 86-1 | 0.02 | 0.04 | 0.06 | 0.04 | 44.36 | ppb |
| Strontium | 88-1 | 0.05 | 0.04 | 0.06 | 0.05 | 15.70 | ppb |
| Sulfur | 34-1 | -765.59 | -793.46 | -801.04 | -786.70 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Thallium | 205-1 | 0.00 | 0.00 | 0.00 | 0.00 | 184.67 | ppb |
| Tin | 118-1 | -0.02 | -0.01 | -0.02 | -0.02 | | ppb |
| Titanium | 47-1 | 0.03 | 0.06 | 0.03 | 0.04 | 37.05 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB08 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB08 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:50:58 | DataFile Name : | 113CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | 45.17 | ppb |
| Vanadium | 51-2 | 0.00 | 0.01 | 0.01 | 0.01 | 44.09 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | -0.52 | -0.71 | -0.46 | -0.56 | | ppb |
| Zirconium | 90-1 | 0.00 | 0.01 | 0.01 | 0.01 | 40.33 | ppb |
| Zirconium | 91-1 | 0.00 | 0.01 | 0.02 | 0.01 | 82.01 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-09 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:54:14 | DataFile Name : | 114SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 63010.30 | 63661.90 | 64607.44 | 63759.88 | 1.26 | ppb |
| Antimony | 121-1 | 7.84 | 7.65 | 7.49 | 7.66 | 2.30 | ppb |
| Arsenic | 75-2 | 71.25 | 73.87 | 73.39 | 72.84 | 1.91 | ppb |
| Barium | 135-1 | 1211.18 | 1219.67 | 1175.06 | 1201.97 | 1.97 | ppb |
| Barium | 137-1 | 1243.34 | 1216.14 | 1192.80 | 1217.42 | 2.08 | ppb |
| Beryllium | 9-1 | 6.94 | 6.81 | 6.72 | 6.82 | 1.66 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 8.97 | 8.06 | 8.60 | 8.55 | 5.35 | ppb |
| Cadmium | 106-1 | 11.23 | 10.68 | 10.06 | 10.66 | 5.53 | ppb |
| Cadmium | 111-1 | 8.43 | 8.03 | 7.97 | 8.14 | 3.09 | ppb |
| Calcium | 43-1 | 26535.49 | 26950.52 | 27496.19 | 26994.06 | 1.78 | ppb |
| Calcium | 44-1 | 25649.27 | 26059.97 | 25898.00 | 25869.08 | 0.80 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 132.41 | 131.76 | 133.12 | 132.43 | 0.51 | ppb |
| Cobalt | 59-2 | 47.34 | 48.01 | 47.95 | 47.76 | 0.77 | ppb |
| Copper | 63-2 | 402.99 | 405.48 | 407.08 | 405.18 | 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 | | | | 107 | | % |
| Holmium | 165-2 | | | | 112 | | % |
| Indium | 115-1 | | | | 105 | | % |
| Indium | 115-2 | | | | 105 | | % |
| Iron | 56-2 | 97007.86 | 98171.02 | 98469.08 | 97882.65 | 0.79 | ppb |
| Iron | 57-2 | 96238.35 | 95521.30 | 97587.84 | 96449.16 | 1.09 | ppb |
| Iron | 54-2 | 98053.59 | 98881.96 | 99937.78 | 98957.78 | 0.95 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-09 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:54:14 | DataFile Name : | 114SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1300.97 | 1300.09 | 1272.11 | 1291.06 | 1.27 | ppb |
| Lead | 207-1 | 1230.11 | 1259.83 | 1181.55 | 1223.83 | 3.23 | ppb |
| Lead | 208-1 | 1255.30 | 1259.16 | 1226.11 | 1246.86 | 1.45 | ppb |
| Lithium | 6-1 | | | | 110 | | % |
| Magnesium | 24-2 | 8276.54 | 8348.17 | 8401.84 | 8342.18 | 0.75 | ppb |
| Manganese | 55-2 | 13005.76 | 13137.04 | 13008.47 | 13050.42 | 0.57 | ppb |
| Molybdenum | 94-1 | 21.25 | 21.49 | 21.52 | 21.42 | 0.70 | ppb |
| Molybdenum | 95-1 | 10.59 | 10.31 | 10.37 | 10.42 | 1.40 | ppb |
| Molybdenum | 96-1 | 11.89 | 12.03 | 11.95 | 11.96 | 0.59 | ppb |
| Molybdenum | 97-1 | 9.97 | 10.47 | 10.27 | 10.24 | 2.44 | ppb |
| Molybdenum | 98-1 | 9.96 | 9.97 | 10.04 | 9.99 | 0.45 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 93.41 | 94.66 | 95.55 | 94.54 | 1.14 | ppb |
| Phosphorus | 31-2 | 5741.12 | 5913.82 | 5960.30 | 5871.75 | 1.97 | ppb |
| Potassium | 39-2 | 3168.84 | 3188.41 | 3228.91 | 3195.39 | 0.96 | ppb |
| Rhodium | 103-1 | | | | 104 | | % |
| Rhodium | 103-2 | | | | 106 | | % |
| Scandium | 45-1 | | | | 115 | | % |
| Scandium | 45-2 | | | | 109 | | % |
| Selenium | 82-1 | 10.79 | 9.63 | 10.16 | 10.19 | 5.69 | ppb |
| Selenium | 77-2 | 43.60 | 41.39 | 42.12 | 42.37 | 2.66 | ppb |
| Selenium | 78-2 | 15.70 | 13.58 | 15.70 | 14.99 | 8.15 | ppb |
| Silicon | 28-1 | 445.63 | 455.35 | 460.23 | 453.74 | 1.64 | ppb |
| Silver | 107-1 | 41.78 | 41.42 | 41.57 | 41.59 | 0.44 | ppb |
| Silver | 109-1 | 41.76 | 41.63 | 40.99 | 41.46 | 1.00 | ppb |
| Sodium | 23-2 | 4886.98 | 4829.73 | 4833.32 | 4850.01 | 0.66 | ppb |
| Strontium | 86-1 | 169.71 | 170.43 | 171.41 | 170.52 | 0.50 | ppb |
| Strontium | 88-1 | 176.80 | 172.81 | 177.73 | 175.78 | 1.49 | ppb |
| Sulfur | 34-1 | 5664.68 | 5794.79 | 5805.94 | 5755.14 | 1.36 | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 109 | | % |
| Thallium | 203-1 | 1.13 | 1.12 | 1.12 | 1.13 | 0.42 | ppb |
| Thallium | 205-1 | 1.09 | 1.13 | 1.07 | 1.10 | 2.80 | ppb |
| Tin | 118-1 | 9.68 | 9.45 | 9.53 | 9.55 | 1.26 | ppb |
| Titanium | 47-1 | 862.84 | 875.54 | 880.01 | 872.80 | 1.02 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-09 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:54:14 | DataFile Name : | 114SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7.46 | 7.73 | 7.51 | 7.57 | 1.92 | ppb |
| Vanadium | 51-2 | 197.58 | 199.68 | 199.89 | 199.05 | 0.64 | ppb |
| Yttrium | 89-1 | | | | 138 | | % |
| Yttrium | 89-2 | | | | 138 | | % |
| Zinc | 66-2 | 1010.26 | 1018.78 | 1015.59 | 1014.88 | 0.42 | ppb |
| Zirconium | 90-1 | 6.75 | 6.79 | 6.87 | 6.80 | 0.90 | ppb |
| Zirconium | 91-1 | 6.88 | 6.95 | 6.78 | 6.87 | 1.19 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-09DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:57:19 | DataFile Name : | 115SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 13348.84 | 13182.31 | 13267.90 | 13266.35 | 0.63 | ppb |
| Antimony | 121-1 | 1.51 | 1.56 | 1.50 | 1.52 | 2.14 | ppb |
| Arsenic | 75-2 | 16.54 | 17.36 | 17.16 | 17.02 | 2.53 | ppb |
| Barium | 135-1 | 225.89 | 226.34 | 224.87 | 225.70 | 0.33 | ppb |
| Barium | 137-1 | 226.77 | 228.30 | 227.76 | 227.61 | 0.34 | ppb |
| Beryllium | 9-1 | 1.33 | 1.43 | 1.32 | 1.36 | 4.74 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 110 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.09 | 1.59 | 1.41 | 1.70 | 20.72 | ppb |
| Cadmium | 106-1 | 0.88 | 0.76 | -0.64 | 0.33 | 254.31 | ppb |
| Cadmium | 111-1 | 1.41 | 1.64 | 1.49 | 1.51 | 7.56 | ppb |
| Calcium | 43-1 | 5569.45 | 5716.28 | 5686.48 | 5657.41 | 1.37 | ppb |
| Calcium | 44-1 | 5309.08 | 5482.74 | 5370.85 | 5387.56 | 1.63 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 26.97 | 28.04 | 26.80 | 27.27 | 2.46 | ppb |
| Cobalt | 59-2 | 10.14 | 10.15 | 10.03 | 10.11 | 0.69 | ppb |
| Copper | 63-2 | 85.24 | 85.90 | 84.79 | 85.31 | 0.65 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 106 | | % |
| Holmium | 165-2 | | | | 110 | | % |
| Indium | 115-1 | | | | 108 | | % |
| Indium | 115-2 | | | | 107 | | % |
| Iron | 56-2 | 20035.27 | 20652.21 | 19993.57 | 20227.02 | 1.82 | ppb |
| Iron | 57-2 | 20852.48 | 21220.00 | 20742.57 | 20938.35 | 1.19 | ppb |
| Iron | 54-2 | 20598.97 | 21071.22 | 20488.26 | 20719.48 | 1.49 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-09DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:57:19 | DataFile Name : | 115SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 226.32 | 227.61 | 228.18 | 227.37 | 0.42 | ppb |
| Lead | 207-1 | 210.98 | 214.06 | 212.96 | 212.67 | 0.73 | ppb |
| Lead | 208-1 | 231.69 | 233.65 | 231.59 | 232.31 | 0.50 | ppb |
| Lithium | 6-1 | | | | 112 | | % |
| Magnesium | 24-2 | 1781.38 | 1802.19 | 1776.88 | 1786.82 | 0.76 | ppb |
| Manganese | 55-2 | 2689.76 | 2731.93 | 2721.94 | 2714.54 | 0.81 | ppb |
| Molybdenum | 94-1 | 5.16 | 5.25 | 5.01 | 5.14 | 2.35 | ppb |
| Molybdenum | 95-1 | 2.58 | 2.48 | 2.46 | 2.51 | 2.66 | ppb |
| Molybdenum | 96-1 | 2.92 | 2.90 | 2.82 | 2.88 | 1.90 | ppb |
| Molybdenum | 97-1 | 2.56 | 2.51 | 2.43 | 2.50 | 2.60 | ppb |
| Molybdenum | 98-1 | 2.40 | 2.43 | 2.46 | 2.43 | 1.21 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 19.58 | 20.08 | 19.86 | 19.84 | 1.25 | ppb |
| Phosphorus | 31-2 | 1161.64 | 1180.08 | 1130.25 | 1157.32 | 2.18 | ppb |
| Potassium | 39-2 | 637.63 | 660.75 | 641.28 | 646.55 | 1.92 | ppb |
| Rhodium | 103-1 | | | | 107 | | % |
| Rhodium | 103-2 | | | | 106 | | % |
| Scandium | 45-1 | | | | 111 | | % |
| Scandium | 45-2 | | | | 105 | | % |
| Selenium | 82-1 | 3.22 | 2.01 | 2.80 | 2.68 | 22.88 | ppb |
| Selenium | 77-2 | 9.08 | 9.96 | 10.49 | 9.85 | 7.23 | ppb |
| Selenium | 78-2 | 2.20 | 4.63 | 3.98 | 3.60 | 34.99 | ppb |
| Silicon | 28-1 | 91.09 | 94.65 | 94.94 | 93.56 | 2.29 | ppb |
| Silver | 107-1 | 8.30 | 8.54 | 8.47 | 8.44 | 1.44 | ppb |
| Silver | 109-1 | 8.26 | 8.46 | 8.47 | 8.40 | 1.38 | ppb |
| Sodium | 23-2 | 1046.12 | 1061.85 | 1048.65 | 1052.21 | 0.80 | ppb |
| Strontium | 86-1 | 42.47 | 42.12 | 41.62 | 42.07 | 1.02 | ppb |
| Strontium | 88-1 | 42.67 | 42.02 | 41.34 | 42.01 | 1.58 | ppb |
| Sulfur | 34-1 | -785.75 | -755.02 | -723.73 | -754.84 | | ppb |
| Terbium | 159-1 | | | | 107 | | % |
| Terbium | 159-2 | | | | 108 | | % |
| Thallium | 203-1 | 0.21 | 0.21 | 0.21 | 0.21 | 1.62 | ppb |
| Thallium | 205-1 | 0.21 | 0.22 | 0.21 | 0.21 | 3.10 | ppb |
| Tin | 118-1 | 1.82 | 1.85 | 1.87 | 1.84 | 1.35 | ppb |
| Titanium | 47-1 | 178.18 | 183.30 | 180.35 | 180.61 | 1.42 | ppb |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-09DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:57:19 | DataFile Name : | 115SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.44 | 1.49 | 1.46 | 1.46 | 1.65 | ppb |
| Vanadium | 51-2 | 40.78 | 41.10 | 40.73 | 40.87 | 0.49 | ppb |
| Yttrium | 89-1 | | | | 114 | | % |
| Yttrium | 89-2 | | | | 113 | | % |
| Zinc | 66-2 | 213.91 | 219.48 | 214.37 | 215.92 | 1.43 | ppb |
| Zirconium | 90-1 | 1.66 | 1.65 | 1.64 | 1.65 | 0.49 | ppb |
| Zirconium | 91-1 | 1.67 | 1.61 | 1.63 | 1.64 | 1.81 | ppb |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-10 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0.5-1-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:00:30 | DataFile Name : | 116SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 88199.72 | 90651.95 | 88769.33 | 89207.00 | 1.44 | ppb |
| Antimony | 121-1 | 6.82 | 6.97 | 7.04 | 6.94 | 1.63 | ppb |
| Arsenic | 75-2 | 77.78 | 81.31 | 78.38 | 79.15 | 2.39 | ppb |
| Barium | 135-1 | 1432.37 | 1412.73 | 1461.78 | 1435.63 | 1.72 | ppb |
| Barium | 137-1 | 1423.39 | 1410.52 | 1446.61 | 1426.84 | 1.28 | ppb |
| Beryllium | 9-1 | 7.56 | 8.33 | 8.07 | 7.99 | 4.91 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 110 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 10.60 | 11.21 | 11.79 | 11.20 | 5.30 | ppb |
| Cadmium | 106-1 | 14.98 | 13.76 | 14.65 | 14.46 | 4.39 | ppb |
| Cadmium | 111-1 | 9.43 | 9.35 | 9.75 | 9.51 | 2.23 | ppb |
| Calcium | 43-1 | 32141.57 | 32676.86 | 32343.75 | 32387.40 | 0.83 | ppb |
| Calcium | 44-1 | 30503.77 | 30777.26 | 30414.34 | 30565.13 | 0.62 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 192.96 | 194.04 | 192.81 | 193.27 | 0.35 | ppb |
| Cobalt | 59-2 | 70.32 | 72.34 | 70.78 | 71.15 | 1.49 | ppb |
| Copper | 63-2 | 412.97 | 416.38 | 414.86 | 414.74 | 0.41 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 109 | | % |
| Holmium | 165-2 | | | | 115 | | % |
| Indium | 115-1 | | | | 105 | | % |
| Indium | 115-2 | | | | 107 | | % |
| Iron | 56-2 | 136352.62 | 138070.72 | 137903.92 | 137442.42 | 0.69 | ppb |
| Iron | 57-2 | 133561.47 | 135981.34 | 135222.23 | 134921.68 | 0.92 | ppb |
| Iron | 54-2 | 135495.65 | 135869.05 | 134356.89 | 135240.53 | 0.58 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-10 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0.5-1-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:00:30 | DataFile Name : | 116SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1069.90 | 1057.98 | 1091.15 | 1073.01 | 1.57 | ppb |
| Lead | 207-1 | 1002.78 | 1011.98 | 1014.89 | 1009.89 | 0.63 | ppb |
| Lead | 208-1 | 1024.72 | 1033.71 | 1049.65 | 1036.02 | 1.22 | ppb |
| Lithium | 6-1 | | | | 111 | | % |
| Magnesium | 24-2 | 14427.96 | 14216.37 | 14195.77 | 14280.03 | 0.90 | ppb |
| Manganese | 55-2 | 20957.56 | 21209.78 | 21221.86 | 21129.73 | 0.71 | ppb |
| Molybdenum | 94-1 | 29.03 | 30.16 | 30.17 | 29.79 | 2.19 | ppb |
| Molybdenum | 95-1 | 12.81 | 12.88 | 13.00 | 12.90 | 0.75 | ppb |
| Molybdenum | 96-1 | 14.92 | 15.23 | 15.15 | 15.10 | 1.06 | ppb |
| Molybdenum | 97-1 | 12.42 | 12.80 | 12.77 | 12.66 | 1.67 | ppb |
| Molybdenum | 98-1 | 12.22 | 12.49 | 12.33 | 12.35 | 1.10 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 117.92 | 118.02 | 117.02 | 117.65 | 0.47 | ppb |
| Phosphorus | 31-2 | 7822.66 | 7894.07 | 7797.29 | 7838.01 | 0.64 | ppb |
| Potassium | 39-2 | 4800.01 | 4925.29 | 4690.58 | 4805.29 | 2.44 | ppb |
| Rhodium | 103-1 | | | | 104 | | % |
| Rhodium | 103-2 | | | | 106 | | % |
| Scandium | 45-1 | | | | 118 | | % |
| Scandium | 45-2 | | | | 111 | | % |
| Selenium | 82-1 | 8.60 | 8.64 | 8.75 | 8.66 | 0.90 | ppb |
| Selenium | 77-2 | 50.95 | 49.48 | 50.13 | 50.19 | 1.47 | ppb |
| Selenium | 78-2 | 14.91 | 16.42 | 13.48 | 14.94 | 9.84 | ppb |
| Silicon | 28-1 | 640.65 | 637.44 | 639.87 | 639.32 | 0.26 | ppb |
| Silver | 107-1 | 29.47 | 30.18 | 30.67 | 30.11 | 2.00 | ppb |
| Silver | 109-1 | 29.66 | 30.05 | 31.14 | 30.28 | 2.54 | ppb |
| Sodium | 23-2 | 5121.93 | 5102.21 | 4988.09 | 5070.74 | 1.42 | ppb |
| Strontium | 86-1 | 176.00 | 180.32 | 181.23 | 179.19 | 1.56 | ppb |
| Strontium | 88-1 | 179.61 | 186.22 | 182.39 | 182.74 | 1.82 | ppb |
| Sulfur | 34-1 | 6417.07 | 6290.82 | 6040.22 | 6249.37 | 3.07 | ppb |
| Terbium | 159-1 | | | | 109 | | % |
| Terbium | 159-2 | | | | 113 | | % |
| Thallium | 203-1 | 1.49 | 1.49 | 1.52 | 1.50 | 1.10 | ppb |
| Thallium | 205-1 | 1.47 | 1.55 | 1.51 | 1.51 | 2.61 | ppb |
| Tin | 118-1 | 10.12 | 10.23 | 10.63 | 10.33 | 2.57 | ppb |
| Titanium | 47-1 | 1030.57 | 1033.76 | 1043.64 | 1035.99 | 0.66 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-10 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0.5-1-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:00:30 | DataFile Name : | 116SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7.34 | 7.65 | 7.61 | 7.53 | 2.23 | ppb |
| Vanadium | 51-2 | 262.88 | 265.25 | 260.21 | 262.78 | 0.96 | ppb |
| Yttrium | 89-1 | | | | 151 | | % |
| Yttrium | 89-2 | | | | 150 | | % |
| Zinc | 66-2 | 1388.13 | 1406.39 | 1384.30 | 1392.94 | 0.85 | ppb |
| Zirconium | 90-1 | 9.92 | 10.28 | 10.22 | 10.14 | 1.90 | ppb |
| Zirconium | 91-1 | 10.16 | 10.27 | 10.05 | 10.16 | 1.07 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-10DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0.5-1-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:03:34 | DataFile Name : | 117SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 18173.67 | 17941.83 | 17839.92 | 17985.14 | 0.95 | ppb |
| Antimony | 121-1 | 1.32 | 1.40 | 1.34 | 1.35 | 3.24 | ppb |
| Arsenic | 75-2 | 18.59 | 19.09 | 18.76 | 18.82 | 1.36 | ppb |
| Barium | 135-1 | 267.75 | 268.79 | 263.83 | 266.79 | 0.98 | ppb |
| Barium | 137-1 | 272.24 | 272.38 | 267.23 | 270.62 | 1.08 | ppb |
| Beryllium | 9-1 | 1.70 | 1.56 | 1.58 | 1.61 | 4.72 | ppb |
| Bismuth | 209-1 | | | | 110 | | % |
| Bismuth | 209-2 | | | | 110 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.88 | 2.43 | 2.27 | 2.19 | 12.87 | ppb |
| Cadmium | 106-1 | 1.77 | 1.68 | -0.38 | 1.02 | 118.59 | ppb |
| Cadmium | 111-1 | 1.82 | 1.86 | 1.65 | 1.78 | 6.26 | ppb |
| Calcium | 43-1 | 6748.87 | 6778.72 | 6480.22 | 6669.27 | 2.47 | ppb |
| Calcium | 44-1 | 6416.92 | 6574.07 | 6133.25 | 6374.75 | 3.50 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 39.18 | 38.91 | 38.32 | 38.80 | 1.13 | ppb |
| Cobalt | 59-2 | 14.71 | 14.43 | 14.22 | 14.46 | 1.71 | ppb |
| Copper | 63-2 | 86.97 | 85.23 | 84.41 | 85.54 | 1.53 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 107 | | % |
| Holmium | 165-2 | | | | 111 | | % |
| Indium | 115-1 | | | | 106 | | % |
| Indium | 115-2 | | | | 107 | | % |
| Iron | 56-2 | 27555.97 | 27289.59 | 27357.52 | 27401.02 | 0.51 | ppb |
| Iron | 57-2 | 27585.66 | 27411.05 | 26847.52 | 27281.41 | 1.41 | ppb |
| Iron | 54-2 | 27997.35 | 27762.97 | 27425.30 | 27728.54 | 1.04 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-10DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0.5-1-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:03:34 | DataFile Name : | 117SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 179.00 | 185.55 | 185.34 | 183.30 | 2.03 | ppb |
| Lead | 207-1 | 167.77 | 173.19 | 174.90 | 171.96 | 2.16 | ppb |
| Lead | 208-1 | 185.88 | 190.51 | 188.65 | 188.34 | 1.24 | ppb |
| Lithium | 6-1 | | | | 110 | | % |
| Magnesium | 24-2 | 3040.24 | 2961.07 | 2960.62 | 2987.31 | 1.53 | ppb |
| Manganese | 55-2 | 4239.02 | 4277.44 | 4282.40 | 4266.28 | 0.56 | ppb |
| Molybdenum | 94-1 | 7.26 | 7.24 | 7.60 | 7.36 | 2.71 | ppb |
| Molybdenum | 95-1 | 3.15 | 3.21 | 3.26 | 3.21 | 1.67 | ppb |
| Molybdenum | 96-1 | 3.69 | 3.73 | 3.89 | 3.77 | 2.82 | ppb |
| Molybdenum | 97-1 | 3.12 | 3.15 | 3.27 | 3.18 | 2.38 | ppb |
| Molybdenum | 98-1 | 2.99 | 3.05 | 3.14 | 3.06 | 2.38 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 23.57 | 23.64 | 23.70 | 23.64 | 0.27 | ppb |
| Phosphorus | 31-2 | 1567.22 | 1538.68 | 1548.72 | 1551.54 | 0.93 | ppb |
| Potassium | 39-2 | 1036.40 | 1008.81 | 1002.76 | 1015.99 | 1.76 | ppb |
| Rhodium | 103-1 | | | | 106 | | % |
| Rhodium | 103-2 | | | | 107 | | % |
| Scandium | 45-1 | | | | 110 | | % |
| Scandium | 45-2 | | | | 105 | | % |
| Selenium | 82-1 | 2.01 | 2.87 | 2.63 | 2.50 | 17.65 | ppb |
| Selenium | 77-2 | 12.26 | 15.60 | 11.14 | 13.00 | 17.84 | ppb |
| Selenium | 78-2 | 3.89 | 2.84 | 3.36 | 3.36 | 15.58 | ppb |
| Silicon | 28-1 | 133.26 | 138.41 | 132.73 | 134.80 | 2.33 | ppb |
| Silver | 107-1 | 5.97 | 6.06 | 5.93 | 5.98 | 1.10 | ppb |
| Silver | 109-1 | 6.15 | 6.13 | 5.98 | 6.09 | 1.46 | ppb |
| Sodium | 23-2 | 1090.15 | 1069.65 | 1066.61 | 1075.47 | 1.19 | ppb |
| Strontium | 86-1 | 44.57 | 44.19 | 46.22 | 45.00 | 2.40 | ppb |
| Strontium | 88-1 | 44.38 | 44.35 | 45.76 | 44.83 | 1.80 | ppb |
| Sulfur | 34-1 | -702.77 | -618.82 | -1009.00 | -776.86 | | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 109 | | % |
| Thallium | 203-1 | 0.26 | 0.27 | 0.29 | 0.27 | 6.82 | ppb |
| Thallium | 205-1 | 0.27 | 0.29 | 0.27 | 0.28 | 2.81 | ppb |
| Tin | 118-1 | 1.94 | 2.00 | 1.92 | 1.95 | 2.13 | ppb |
| Titanium | 47-1 | 212.46 | 213.64 | 202.90 | 209.67 | 2.81 | ppb |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-10DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0.5-1-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:03:34 | DataFile Name : | 117SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.38 | 1.45 | 1.44 | 1.42 | 2.37 | ppb |
| Vanadium | 51-2 | 52.91 | 52.38 | 52.20 | 52.50 | 0.70 | ppb |
| Yttrium | 89-1 | | | | 116 | | % |
| Yttrium | 89-2 | | | | 117 | | % |
| Zinc | 66-2 | 288.62 | 293.83 | 286.27 | 289.57 | 1.33 | ppb |
| Zirconium | 90-1 | 2.47 | 2.48 | 2.55 | 2.50 | 1.82 | ppb |
| Zirconium | 91-1 | 2.47 | 2.50 | 2.43 | 2.47 | 1.28 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-11 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0-0.5-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:06:44 | DataFile Name : | 118SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 112249.35 | 112567.51 | 111968.83 | 112261.89 | 0.27 | ppb |
| Antimony | 121-1 | 2.60 | 2.66 | 2.65 | 2.64 | 1.15 | ppb |
| Arsenic | 75-2 | 66.90 | 66.43 | 66.58 | 66.64 | 0.36 | ppb |
| Barium | 135-1 | 599.89 | 599.98 | 604.85 | 601.57 | 0.47 | ppb |
| Barium | 137-1 | 650.76 | 657.27 | 645.23 | 651.08 | 0.93 | ppb |
| Beryllium | 9-1 | 6.01 | 5.94 | 5.82 | 5.92 | 1.61 | ppb |
| Bismuth | 209-1 | | | | 102 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 17.10 | 17.45 | 16.94 | 17.16 | 1.53 | ppb |
| Cadmium | 106-1 | 19.90 | 21.21 | 21.43 | 20.84 | 3.97 | ppb |
| Cadmium | 111-1 | 13.02 | 12.91 | 13.20 | 13.04 | 1.13 | ppb |
| Calcium | 43-1 | 74903.87 | 75883.03 | 72638.31 | 74475.07 | 2.23 | ppb |
| Calcium | 44-1 | 74435.63 | 74608.13 | 73456.42 | 74166.73 | 0.84 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 224.75 | 227.14 | 226.68 | 226.19 | 0.56 | ppb |
| Cobalt | 59-2 | 139.80 | 139.12 | 139.16 | 139.36 | 0.27 | ppb |
| Copper | 63-2 | 1501.09 | 1488.79 | 1502.13 | 1497.33 | 0.50 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 104 | | % |
| Holmium | 165-2 | | | | 109 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 103 | | % |
| Iron | 56-2 | 209799.48 | 211455.40 | 214785.04 | 212013.30 | 1.20 | ppb |
| Iron | 57-2 | 210517.57 | 210646.05 | 210667.86 | 210610.50 | 0.04 | ppb |
| Iron | 54-2 | 216364.69 | 212873.80 | 210844.15 | 213360.88 | 1.31 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-11 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0-0.5-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:06:44 | DataFile Name : | 118SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1023.06 | 1029.92 | 1030.94 | 1027.97 | 0.42 | ppb |
| Lead | 207-1 | 1000.65 | 961.98 | 993.20 | 985.27 | 2.08 | ppb |
| Lead | 208-1 | 998.19 | 992.00 | 997.06 | 995.75 | 0.33 | ppb |
| Lithium | 6-1 | | | | 106 | | % |
| Magnesium | 24-2 | 45065.77 | 45383.88 | 44851.37 | 45100.34 | 0.59 | ppb |
| Manganese | 55-2 | 3054.65 | 3059.85 | 3103.70 | 3072.73 | 0.88 | ppb |
| Molybdenum | 94-1 | 83.60 | 86.21 | 83.88 | 84.56 | 1.69 | ppb |
| Molybdenum | 95-1 | 5.49 | 5.76 | 5.67 | 5.64 | 2.41 | ppb |
| Molybdenum | 96-1 | 15.45 | 15.81 | 15.75 | 15.67 | 1.24 | ppb |
| Molybdenum | 97-1 | 5.80 | 6.04 | 5.80 | 5.88 | 2.39 | ppb |
| Molybdenum | 98-1 | 5.46 | 5.75 | 5.61 | 5.61 | 2.64 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 202.04 | 200.83 | 203.06 | 201.98 | 0.55 | ppb |
| Phosphorus | 31-2 | 5603.03 | 5601.05 | 5641.79 | 5615.29 | 0.41 | ppb |
| Potassium | 39-2 | 5650.47 | 5682.55 | 5741.69 | 5691.57 | 0.81 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 114 | | % |
| Scandium | 45-2 | | | | 111 | | % |
| Selenium | 82-1 | 4.97 | 4.62 | 5.28 | 4.96 | 6.58 | ppb |
| Selenium | 77-2 | 39.69 | 37.44 | 40.62 | 39.25 | 4.17 | ppb |
| Selenium | 78-2 | 8.79 | 9.44 | 8.27 | 8.83 | 6.63 | ppb |
| Silicon | 28-1 | 689.47 | 688.90 | 670.63 | 683.00 | 1.57 | ppb |
| Silver | 107-1 | 44.45 | 45.06 | 45.25 | 44.92 | 0.93 | ppb |
| Silver | 109-1 | 43.77 | 43.82 | 44.77 | 44.12 | 1.27 | ppb |
| Sodium | 23-2 | 4028.10 | 4076.11 | 4032.19 | 4045.47 | 0.66 | ppb |
| Strontium | 86-1 | 334.68 | 340.90 | 334.68 | 336.75 | 1.07 | ppb |
| Strontium | 88-1 | 346.13 | 345.55 | 339.51 | 343.73 | 1.07 | ppb |
| Sulfur | 34-1 | 3777.87 | 3710.61 | 3362.75 | 3617.08 | 6.16 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 107 | | % |
| Thallium | 203-1 | 1.03 | 1.06 | 1.13 | 1.07 | 4.53 | ppb |
| Thallium | 205-1 | 1.08 | 1.08 | 1.05 | 1.07 | 1.49 | ppb |
| Tin | 118-1 | 11.52 | 11.72 | 11.54 | 11.59 | 0.94 | ppb |
| Titanium | 47-1 | 2642.96 | 2626.19 | 2553.15 | 2607.43 | 1.83 | ppb |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-11 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0-0.5-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:06:44 | DataFile Name : | 118SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7.61 | 7.48 | 7.68 | 7.59 | 1.33 | ppb |
| Vanadium | 51-2 | 374.88 | 374.35 | 374.84 | 374.69 | 0.08 | ppb |
| Yttrium | 89-1 | | | | 128 | | % |
| Yttrium | 89-2 | | | | 128 | | % |
| Zinc | 66-2 | 1562.31 | 1547.97 | 1568.03 | 1559.44 | 0.66 | ppb |
| Zirconium | 90-1 | 41.20 | 42.57 | 41.83 | 41.87 | 1.63 | ppb |
| Zirconium | 91-1 | 41.74 | 42.58 | 42.07 | 42.13 | 1.01 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-11DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0-0.5-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:09:47 | DataFile Name : | 119SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 23686.18 | 23313.07 | 23518.53 | 23505.93 | 0.80 | ppb |
| Antimony | 121-1 | 0.55 | 0.55 | 0.56 | 0.55 | 1.39 | ppb |
| Arsenic | 75-2 | 15.10 | 15.45 | 15.70 | 15.41 | 1.95 | ppb |
| Barium | 135-1 | 120.64 | 123.82 | 123.15 | 122.54 | 1.37 | ppb |
| Barium | 137-1 | 122.94 | 124.80 | 124.82 | 124.19 | 0.87 | ppb |
| Beryllium | 9-1 | 1.12 | 1.13 | 1.17 | 1.14 | 2.12 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 3.79 | 3.13 | 4.56 | 3.83 | 18.68 | ppb |
| Cadmium | 106-1 | 2.90 | 3.17 | 2.33 | 2.80 | 15.42 | ppb |
| Cadmium | 111-1 | 2.58 | 2.73 | 2.55 | 2.62 | 3.77 | ppb |
| Calcium | 43-1 | 16352.41 | 15857.89 | 16306.02 | 16172.11 | 1.69 | ppb |
| Calcium | 44-1 | 15521.34 | 15040.99 | 15624.68 | 15395.67 | 2.02 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 47.91 | 47.09 | 48.10 | 47.70 | 1.13 | ppb |
| Cobalt | 59-2 | 30.14 | 29.50 | 30.05 | 29.90 | 1.17 | ppb |
| Copper | 63-2 | 319.63 | 314.40 | 319.84 | 317.96 | 0.97 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 106 | | % |
| Holmium | 165-2 | | | | 108 | | % |
| Indium | 115-1 | | | | 106 | | % |
| Indium | 115-2 | | | | 106 | | % |
| Iron | 56-2 | 45301.25 | 45397.67 | 45393.44 | 45364.12 | 0.12 | ppb |
| Iron | 57-2 | 45040.81 | 44741.70 | 45937.98 | 45240.16 | 1.38 | ppb |
| Iron | 54-2 | 45320.91 | 45012.46 | 45636.31 | 45323.23 | 0.69 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-11DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0-0.5-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:09:47 | DataFile Name : | 119SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 179.66 | 184.50 | 179.29 | 181.15 | 1.60 | ppb |
| Lead | 207-1 | 168.56 | 173.52 | 170.31 | 170.79 | 1.47 | ppb |
| Lead | 208-1 | 184.55 | 177.86 | 184.95 | 182.46 | 2.18 | ppb |
| Lithium | 6-1 | | | | 110 | | % |
| Magnesium | 24-2 | 9502.90 | 9543.88 | 9411.12 | 9485.96 | 0.72 | ppb |
| Manganese | 55-2 | 660.14 | 650.75 | 665.61 | 658.83 | 1.14 | ppb |
| Molybdenum | 94-1 | 19.14 | 19.18 | 19.70 | 19.34 | 1.63 | ppb |
| Molybdenum | 95-1 | 1.29 | 1.33 | 1.35 | 1.32 | 2.20 | ppb |
| Molybdenum | 96-1 | 3.64 | 3.60 | 3.68 | 3.64 | 1.11 | ppb |
| Molybdenum | 97-1 | 1.38 | 1.37 | 1.44 | 1.39 | 2.75 | ppb |
| Molybdenum | 98-1 | 1.27 | 1.31 | 1.31 | 1.30 | 2.00 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 43.41 | 44.15 | 43.38 | 43.65 | 1.00 | ppb |
| Phosphorus | 31-2 | 1147.50 | 1141.26 | 1169.05 | 1152.60 | 1.27 | ppb |
| Potassium | 39-2 | 1258.26 | 1258.13 | 1264.61 | 1260.33 | 0.29 | ppb |
| Rhodium | 103-1 | | | | 104 | | % |
| Rhodium | 103-2 | | | | 107 | | % |
| Scandium | 45-1 | | | | 110 | | % |
| Scandium | 45-2 | | | | 105 | | % |
| Selenium | 82-1 | 0.34 | 1.78 | 1.42 | 1.18 | 63.83 | ppb |
| Selenium | 77-2 | 6.98 | 8.86 | 10.93 | 8.92 | 22.10 | ppb |
| Selenium | 78-2 | 3.07 | 3.51 | 2.16 | 2.91 | 23.69 | ppb |
| Silicon | 28-1 | 141.22 | 142.68 | 144.77 | 142.89 | 1.25 | ppb |
| Silver | 107-1 | 8.95 | 9.28 | 9.48 | 9.24 | 2.91 | ppb |
| Silver | 109-1 | 8.98 | 9.22 | 9.36 | 9.19 | 2.11 | ppb |
| Sodium | 23-2 | 896.77 | 884.87 | 902.88 | 894.84 | 1.02 | ppb |
| Strontium | 86-1 | 77.13 | 78.20 | 78.75 | 78.03 | 1.05 | ppb |
| Strontium | 88-1 | 79.85 | 78.69 | 79.69 | 79.41 | 0.79 | ppb |
| Sulfur | 34-1 | -978.26 | -1027.31 | -1019.21 | -1008.26 | | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 108 | | % |
| Thallium | 203-1 | 0.21 | 0.20 | 0.22 | 0.21 | 6.22 | ppb |
| Thallium | 205-1 | 0.23 | 0.22 | 0.22 | 0.22 | 2.59 | ppb |
| Tin | 118-1 | 2.21 | 2.28 | 2.29 | 2.26 | 1.88 | ppb |
| Titanium | 47-1 | 551.74 | 544.36 | 556.36 | 550.82 | 1.10 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-11DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0-0.5-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:09:47 | DataFile Name : | 119SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.42 | 1.47 | 1.44 | 1.44 | 1.47 | ppb |
| Vanadium | 51-2 | 77.99 | 77.55 | 78.58 | 78.04 | 0.66 | ppb |
| Yttrium | 89-1 | | | | 112 | | % |
| Yttrium | 89-2 | | | | 112 | | % |
| Zinc | 66-2 | 341.74 | 334.29 | 342.73 | 339.59 | 1.36 | ppb |
| Zirconium | 90-1 | 9.57 | 9.48 | 9.75 | 9.60 | 1.41 | ppb |
| Zirconium | 91-1 | 9.40 | 9.61 | 9.80 | 9.60 | 2.07 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-12 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0.5-1.0-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:12:56 | DataFile Name : | 120SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 139877.95 | 144482.86 | 130106.26 | 138155.69 | 5.31 | ppb |
| Antimony | 121-1 | 2.09 | 2.11 | 2.09 | 2.10 | 0.69 | ppb |
| Arsenic | 75-2 | 104.68 | 105.33 | 97.19 | 102.40 | 4.41 | ppb |
| Barium | 135-1 | 582.68 | 603.42 | 593.75 | 593.28 | 1.75 | ppb |
| Barium | 137-1 | 630.74 | 662.03 | 640.29 | 644.35 | 2.49 | ppb |
| Beryllium | 9-1 | 5.18 | 4.99 | 5.44 | 5.21 | 4.32 | ppb |
| Bismuth | 209-1 | | | | 103 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 34.58 | 30.81 | 33.58 | 32.99 | 5.92 | ppb |
| Cadmium | 106-1 | 36.34 | 36.94 | 34.52 | 35.93 | 3.50 | ppb |
| Cadmium | 111-1 | 28.96 | 29.76 | 29.09 | 29.27 | 1.47 | ppb |
| Calcium | 43-1 | 76185.88 | 77311.48 | 81105.06 | 78200.80 | 3.30 | ppb |
| Calcium | 44-1 | 77522.60 | 78696.19 | 78128.49 | 78115.76 | 0.75 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 273.76 | 275.19 | 253.58 | 267.51 | 4.52 | ppb |
| Cobalt | 59-2 | 177.84 | 181.84 | 165.13 | 174.94 | 4.99 | ppb |
| Copper | 63-2 | 2855.06 | 2921.90 | 2679.84 | 2818.93 | 4.43 | 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 | | | | 114 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 107 | | % |
| Iron | 56-2 | 264475.54 | 268368.67 | 247075.95 | 259973.39 | 4.36 | ppb |
| Iron | 57-2 | 262775.44 | 262805.90 | 238869.05 | 254816.80 | 5.42 | ppb |
| Iron | 54-2 | 263919.47 | 268911.33 | 245816.24 | 259549.01 | 4.68 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-12 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0.5-1.0-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:12:56 | DataFile Name : | 120SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1325.15 | 1328.23 | 1293.32 | 1315.57 | 1.47 | ppb |
| Lead | 207-1 | 1256.41 | 1280.94 | 1258.84 | 1265.40 | 1.07 | ppb |
| Lead | 208-1 | 1278.21 | 1312.31 | 1272.63 | 1287.72 | 1.67 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 69036.38 | 70813.61 | 63612.38 | 67820.79 | 5.53 | ppb |
| Manganese | 55-2 | 3189.50 | 3152.69 | 2952.50 | 3098.23 | 4.12 | ppb |
| Molybdenum | 94-1 | 74.30 | 75.54 | 73.28 | 74.37 | 1.52 | ppb |
| Molybdenum | 95-1 | 7.02 | 7.30 | 6.87 | 7.06 | 3.05 | ppb |
| Molybdenum | 96-1 | 16.23 | 16.54 | 15.78 | 16.18 | 2.34 | ppb |
| Molybdenum | 97-1 | 7.36 | 7.51 | 7.05 | 7.31 | 3.15 | ppb |
| Molybdenum | 98-1 | 7.09 | 7.16 | 6.83 | 7.03 | 2.48 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 279.97 | 285.87 | 262.86 | 276.23 | 4.33 | ppb |
| Phosphorus | 31-2 | 5235.81 | 5198.57 | 4749.63 | 5061.34 | 5.35 | ppb |
| Potassium | 39-2 | 6021.04 | 5961.03 | 5545.86 | 5842.64 | 4.43 | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 104 | | % |
| Scandium | 45-1 | | | | 117 | | % |
| Scandium | 45-2 | | | | 115 | | % |
| Selenium | 82-1 | 6.92 | 7.98 | 7.29 | 7.40 | 7.27 | ppb |
| Selenium | 77-2 | 42.37 | 35.32 | 37.39 | 38.36 | 9.45 | ppb |
| Selenium | 78-2 | 10.60 | 12.33 | 9.71 | 10.88 | 12.25 | ppb |
| Silicon | 28-1 | 424.72 | 434.21 | 450.38 | 436.44 | 2.97 | ppb |
| Silver | 107-1 | 55.29 | 56.60 | 55.84 | 55.91 | 1.18 | ppb |
| Silver | 109-1 | 56.02 | 56.22 | 55.98 | 56.07 | 0.23 | ppb |
| Sodium | 23-2 | 6566.89 | 6572.21 | 6068.01 | 6402.37 | 4.52 | ppb |
| Strontium | 86-1 | 322.05 | 328.76 | 318.90 | 323.24 | 1.56 | ppb |
| Strontium | 88-1 | 329.69 | 337.91 | 325.97 | 331.19 | 1.84 | ppb |
| Sulfur | 34-1 | 2324.03 | 2460.94 | 2549.22 | 2444.73 | 4.64 | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 111 | | % |
| Thallium | 203-1 | 1.02 | 1.05 | 1.06 | 1.04 | 1.73 | ppb |
| Thallium | 205-1 | 1.06 | 1.04 | 1.09 | 1.06 | 2.51 | ppb |
| Tin | 118-1 | 13.85 | 14.24 | 14.32 | 14.14 | 1.80 | ppb |
| Titanium | 47-1 | 2680.16 | 2689.42 | 2687.89 | 2685.82 | 0.18 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-12 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0.5-1.0-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:12:56 | DataFile Name : | 120SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8.45 | 8.57 | 8.60 | 8.54 | 0.90 | ppb |
| Vanadium | 51-2 | 524.49 | 526.95 | 486.18 | 512.54 | 4.46 | ppb |
| Yttrium | 89-1 | | | | 127 | | % |
| Yttrium | 89-2 | | | | 130 | | % |
| Zinc | 66-2 | 2652.24 | 2700.57 | 2445.12 | 2599.31 | 5.22 | ppb |
| Zirconium | 90-1 | 35.84 | 36.48 | 35.44 | 35.92 | 1.46 | ppb |
| Zirconium | 91-1 | 35.44 | 36.37 | 35.50 | 35.77 | 1.45 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-12DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0.5-1.0-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:15:58 | DataFile Name : | 121SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 29642.18 | 29902.03 | 29640.98 | 29728.40 | 0.51 | ppb |
| Antimony | 121-1 | 0.40 | 0.46 | 0.46 | 0.44 | 8.01 | ppb |
| Arsenic | 75-2 | 23.19 | 23.07 | 22.13 | 22.80 | 2.55 | ppb |
| Barium | 135-1 | 118.25 | 121.97 | 118.49 | 119.57 | 1.74 | ppb |
| Barium | 137-1 | 118.94 | 123.12 | 120.02 | 120.69 | 1.80 | ppb |
| Beryllium | 9-1 | 1.06 | 1.03 | 1.11 | 1.07 | 4.00 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 6.10 | 6.20 | 7.06 | 6.45 | 8.21 | ppb |
| Cadmium | 106-1 | 5.72 | 5.87 | 5.04 | 5.54 | 7.94 | ppb |
| Cadmium | 111-1 | 5.78 | 5.89 | 5.77 | 5.82 | 1.17 | ppb |
| Calcium | 43-1 | 16984.91 | 16841.05 | 17438.58 | 17088.18 | 1.83 | ppb |
| Calcium | 44-1 | 15984.60 | 16106.98 | 16603.69 | 16231.76 | 2.02 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 58.24 | 57.63 | 57.66 | 57.84 | 0.59 | ppb |
| Cobalt | 59-2 | 38.72 | 38.68 | 38.80 | 38.74 | 0.15 | ppb |
| Copper | 63-2 | 633.08 | 639.29 | 621.64 | 631.34 | 1.42 | 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 | | | | 108 | | % |
| Holmium | 165-2 | | | | 110 | | % |
| Indium | 115-1 | | | | 107 | | % |
| Indium | 115-2 | | | | 106 | | % |
| Iron | 56-2 | 56127.36 | 56041.77 | 55462.09 | 55877.07 | 0.65 | ppb |
| Iron | 57-2 | 57355.16 | 56572.94 | 55832.33 | 56586.81 | 1.35 | ppb |
| Iron | 54-2 | 56165.06 | 57219.49 | 55867.11 | 56417.22 | 1.26 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-12DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0.5-1.0-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:15:58 | DataFile Name : | 121SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 227.02 | 230.31 | 227.55 | 228.29 | 0.78 | ppb |
| Lead | 207-1 | 214.57 | 218.31 | 212.94 | 215.27 | 1.28 | ppb |
| Lead | 208-1 | 234.41 | 237.79 | 234.46 | 235.55 | 0.82 | ppb |
| Lithium | 6-1 | | | | 111 | | % |
| Magnesium | 24-2 | 14485.97 | 14628.40 | 14416.88 | 14510.42 | 0.74 | ppb |
| Manganese | 55-2 | 681.05 | 683.28 | 669.74 | 678.02 | 1.07 | ppb |
| Molybdenum | 94-1 | 15.96 | 16.50 | 16.27 | 16.25 | 1.66 | ppb |
| Molybdenum | 95-1 | 1.60 | 1.51 | 1.50 | 1.54 | 3.56 | ppb |
| Molybdenum | 96-1 | 3.54 | 3.48 | 3.59 | 3.54 | 1.60 | ppb |
| Molybdenum | 97-1 | 1.66 | 1.65 | 1.59 | 1.63 | 2.41 | ppb |
| Molybdenum | 98-1 | 1.46 | 1.56 | 1.63 | 1.55 | 5.44 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 61.10 | 61.96 | 61.09 | 61.38 | 0.82 | ppb |
| Phosphorus | 31-2 | 1062.97 | 1080.67 | 1072.74 | 1072.13 | 0.83 | ppb |
| Potassium | 39-2 | 1332.43 | 1342.71 | 1330.32 | 1335.15 | 0.50 | ppb |
| Rhodium | 103-1 | | | | 106 | | % |
| Rhodium | 103-2 | | | | 106 | | % |
| Scandium | 45-1 | | | | 113 | | % |
| Scandium | 45-2 | | | | 106 | | % |
| Selenium | 82-1 | 2.33 | 1.66 | 1.98 | 1.99 | 16.63 | ppb |
| Selenium | 77-2 | 6.83 | 9.35 | 10.48 | 8.89 | 20.99 | ppb |
| Selenium | 78-2 | 4.36 | 2.34 | 3.76 | 3.49 | 29.85 | ppb |
| Silicon | 28-1 | 90.07 | 92.39 | 92.28 | 91.58 | 1.43 | ppb |
| Silver | 107-1 | 11.06 | 11.55 | 11.55 | 11.38 | 2.48 | ppb |
| Silver | 109-1 | 11.11 | 11.53 | 11.41 | 11.35 | 1.90 | ppb |
| Sodium | 23-2 | 1451.84 | 1444.38 | 1451.40 | 1449.20 | 0.29 | ppb |
| Strontium | 86-1 | 72.60 | 72.56 | 71.83 | 72.33 | 0.60 | ppb |
| Strontium | 88-1 | 74.29 | 73.11 | 73.77 | 73.72 | 0.80 | ppb |
| Sulfur | 34-1 | -1224.21 | -1223.60 | -1139.36 | -1195.73 | | ppb |
| Terbium | 159-1 | | | | 107 | | % |
| Terbium | 159-2 | | | | 108 | | % |
| Thallium | 203-1 | 0.20 | 0.20 | 0.17 | 0.19 | 10.02 | ppb |
| Thallium | 205-1 | 0.21 | 0.20 | 0.21 | 0.21 | 2.95 | ppb |
| Tin | 118-1 | 2.53 | 2.67 | 2.67 | 2.63 | 3.03 | ppb |
| Titanium | 47-1 | 552.69 | 567.86 | 578.24 | 566.26 | 2.27 | ppb |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-12DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0.5-1.0-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:15:58 | DataFile Name : | 121SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.57 | 1.65 | 1.60 | 1.61 | 2.68 | ppb |
| Vanadium | 51-2 | 111.63 | 110.48 | 110.06 | 110.73 | 0.73 | ppb |
| Yttrium | 89-1 | | | | 113 | | % |
| Yttrium | 89-2 | | | | 114 | | % |
| Zinc | 66-2 | 593.28 | 580.31 | 580.85 | 584.81 | 1.25 | ppb |
| Zirconium | 90-1 | 7.90 | 8.01 | 7.93 | 7.95 | 0.73 | ppb |
| Zirconium | 91-1 | 7.81 | 7.88 | 8.06 | 7.92 | 1.66 | ppb |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-13 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0-0.5-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:19:06 | DataFile Name : | 122SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 22364.10 | 22788.54 | 22914.13 | 22688.92 | 1.27 | ppb |
| Antimony | 121-1 | 14.17 | 14.22 | 14.25 | 14.22 | 0.28 | ppb |
| Arsenic | 75-2 | 90.00 | 91.80 | 91.08 | 90.96 | 0.99 | ppb |
| Barium | 135-1 | 716.68 | 716.60 | 726.35 | 719.87 | 0.78 | ppb |
| Barium | 137-1 | 774.69 | 776.11 | 792.19 | 781.00 | 1.24 | ppb |
| Beryllium | 9-1 | 2.61 | 2.78 | 2.98 | 2.79 | 6.68 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 4.12 | 5.14 | 4.24 | 4.50 | 12.40 | ppb |
| Cadmium | 106-1 | 4.89 | 4.63 | 4.96 | 4.83 | 3.57 | ppb |
| Cadmium | 111-1 | 3.89 | 3.81 | 3.75 | 3.82 | 1.75 | ppb |
| Calcium | 43-1 | 43078.28 | 42947.76 | 45063.61 | 43696.55 | 2.71 | ppb |
| Calcium | 44-1 | 41381.77 | 41040.76 | 41648.84 | 41357.12 | 0.74 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 82.34 | 84.26 | 83.59 | 83.40 | 1.17 | ppb |
| Cobalt | 59-2 | 14.90 | 14.94 | 15.00 | 14.94 | 0.34 | ppb |
| Copper | 63-2 | 327.56 | 327.37 | 329.64 | 328.19 | 0.38 | 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 | | | | 110 | | % |
| Indium | 115-1 | | | | 105 | | % |
| Indium | 115-2 | | | | 108 | | % |
| Iron | 56-2 | 79455.08 | 78044.61 | 78685.38 | 78728.36 | 0.90 | ppb |
| Iron | 57-2 | 77200.43 | 78121.84 | 78176.75 | 77833.01 | 0.70 | ppb |
| Iron | 54-2 | 76989.84 | 78619.29 | 77746.76 | 77785.30 | 1.05 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-13 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0-0.5-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:19:06 | DataFile Name : | 122SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1267.66 | 1273.70 | 1332.30 | 1291.22 | 2.77 | ppb |
| Lead | 207-1 | 1238.81 | 1249.85 | 1260.91 | 1249.86 | 0.88 | ppb |
| Lead | 208-1 | 1250.69 | 1270.94 | 1287.65 | 1269.76 | 1.46 | ppb |
| Lithium | 6-1 | | | | 110 | | % |
| Magnesium | 24-2 | 6193.60 | 6394.52 | 6340.94 | 6309.69 | 1.65 | ppb |
| Manganese | 55-2 | 8864.66 | 8735.04 | 8866.72 | 8822.14 | 0.86 | ppb |
| Molybdenum | 94-1 | 16.54 | 16.19 | 16.62 | 16.45 | 1.38 | ppb |
| Molybdenum | 95-1 | 7.15 | 6.93 | 6.97 | 7.02 | 1.70 | ppb |
| Molybdenum | 96-1 | 8.61 | 8.11 | 8.58 | 8.43 | 3.30 | ppb |
| Molybdenum | 97-1 | 6.94 | 6.63 | 6.98 | 6.85 | 2.78 | ppb |
| Molybdenum | 98-1 | 6.89 | 6.59 | 6.95 | 6.81 | 2.85 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 55.42 | 54.80 | 54.41 | 54.88 | 0.92 | ppb |
| Phosphorus | 31-2 | 5406.26 | 5355.76 | 5508.78 | 5423.60 | 1.44 | ppb |
| Potassium | 39-2 | 1995.65 | 2010.40 | 2020.41 | 2008.82 | 0.62 | ppb |
| Rhodium | 103-1 | | | | 104 | | % |
| Rhodium | 103-2 | | | | 108 | | % |
| Scandium | 45-1 | | | | 111 | | % |
| Scandium | 45-2 | | | | 106 | | % |
| Selenium | 82-1 | 15.94 | 15.42 | 15.80 | 15.72 | 1.71 | ppb |
| Selenium | 77-2 | 33.77 | 29.59 | 33.72 | 32.36 | 7.42 | ppb |
| Selenium | 78-2 | 18.49 | 16.47 | 19.47 | 18.14 | 8.44 | ppb |
| Silicon | 28-1 | 377.12 | 380.67 | 380.89 | 379.56 | 0.56 | ppb |
| Silver | 107-1 | 6.68 | 6.73 | 6.82 | 6.75 | 1.03 | ppb |
| Silver | 109-1 | 6.56 | 6.77 | 6.90 | 6.75 | 2.50 | ppb |
| Sodium | 23-2 | 12016.64 | 12063.91 | 12148.51 | 12076.36 | 0.55 | ppb |
| Strontium | 86-1 | 261.45 | 252.66 | 262.94 | 259.02 | 2.15 | ppb |
| Strontium | 88-1 | 266.18 | 261.42 | 265.10 | 264.23 | 0.94 | ppb |
| Sulfur | 34-1 | 9289.00 | 9671.80 | 9593.76 | 9518.19 | 2.13 | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 110 | | % |
| Thallium | 203-1 | 0.63 | 0.62 | 0.62 | 0.62 | 0.89 | ppb |
| Thallium | 205-1 | 0.65 | 0.64 | 0.66 | 0.65 | 2.08 | ppb |
| Tin | 118-1 | 14.89 | 14.75 | 14.94 | 14.86 | 0.65 | ppb |
| Titanium | 47-1 | 972.37 | 993.59 | 1001.35 | 989.10 | 1.52 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-13 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0-0.5-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:19:06 | DataFile Name : | 122SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 4.10 | 4.12 | 4.25 | 4.16 | 1.88 | ppb |
| Vanadium | 51-2 | 219.70 | 219.78 | 219.54 | 219.67 | 0.06 | ppb |
| Yttrium | 89-1 | | | | 122 | | % |
| Yttrium | 89-2 | | | | 122 | | % |
| Zinc | 66-2 | 288.42 | 289.41 | 290.54 | 289.46 | 0.37 | ppb |
| Zirconium | 90-1 | 5.60 | 5.46 | 5.69 | 5.58 | 2.06 | ppb |
| Zirconium | 91-1 | 5.66 | 5.34 | 5.66 | 5.55 | 3.34 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-13DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0-0.5-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:22:14 | DataFile Name : | 123SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4521.31 | 4570.35 | 4570.51 | 4554.06 | 0.62 | ppb |
| Antimony | 121-1 | 2.87 | 2.86 | 2.86 | 2.87 | 0.25 | ppb |
| Arsenic | 75-2 | 19.42 | 18.78 | 18.69 | 18.96 | 2.12 | ppb |
| Barium | 135-1 | 146.45 | 144.69 | 143.55 | 144.90 | 1.01 | ppb |
| Barium | 137-1 | 146.71 | 145.42 | 147.65 | 146.59 | 0.77 | ppb |
| Beryllium | 9-1 | 0.47 | 0.56 | 0.46 | 0.50 | 10.48 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 112 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.57 | 0.76 | 0.82 | 0.72 | 17.85 | ppb |
| Cadmium | 106-1 | 0.22 | 0.02 | -0.81 | -0.19 | | ppb |
| Cadmium | 111-1 | 0.75 | 0.60 | 0.61 | 0.65 | 12.84 | ppb |
| Calcium | 43-1 | 8557.63 | 8636.36 | 8748.79 | 8647.59 | 1.11 | ppb |
| Calcium | 44-1 | 8242.30 | 8305.03 | 8360.93 | 8302.76 | 0.71 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 16.15 | 16.28 | 16.17 | 16.20 | 0.45 | ppb |
| Cobalt | 59-2 | 3.05 | 2.95 | 2.96 | 2.99 | 1.81 | ppb |
| Copper | 63-2 | 66.14 | 66.16 | 65.55 | 65.95 | 0.53 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 107 | | % |
| Holmium | 165-2 | | | | 110 | | % |
| Indium | 115-1 | | | | 107 | | % |
| Indium | 115-2 | | | | 107 | | % |
| Iron | 56-2 | 15877.58 | 15551.98 | 15476.21 | 15635.26 | 1.36 | ppb |
| Iron | 57-2 | 16194.73 | 16148.12 | 15923.79 | 16088.88 | 0.90 | ppb |
| Iron | 54-2 | 15576.16 | 15768.00 | 15637.71 | 15660.62 | 0.63 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-13DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0-0.5-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:22:14 | DataFile Name : | 123SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 231.37 | 225.91 | 227.20 | 228.16 | 1.25 | ppb |
| Lead | 207-1 | 217.33 | 213.08 | 216.11 | 215.51 | 1.02 | ppb |
| Lead | 208-1 | 238.89 | 233.23 | 235.28 | 235.80 | 1.22 | ppb |
| Lithium | 6-1 | | | | 110 | | % |
| Magnesium | 24-2 | 1287.38 | 1282.54 | 1290.94 | 1286.95 | 0.33 | ppb |
| Manganese | 55-2 | 1757.38 | 1745.10 | 1749.60 | 1750.70 | 0.35 | ppb |
| Molybdenum | 94-1 | 3.43 | 3.50 | 3.59 | 3.51 | 2.33 | ppb |
| Molybdenum | 95-1 | 1.55 | 1.51 | 1.47 | 1.51 | 2.74 | ppb |
| Molybdenum | 96-1 | 1.84 | 1.75 | 1.84 | 1.81 | 3.04 | ppb |
| Molybdenum | 97-1 | 1.41 | 1.50 | 1.44 | 1.45 | 3.29 | ppb |
| Molybdenum | 98-1 | 1.48 | 1.39 | 1.44 | 1.43 | 3.37 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 10.90 | 10.90 | 11.00 | 10.93 | 0.55 | ppb |
| Phosphorus | 31-2 | 989.15 | 1024.17 | 1091.85 | 1035.06 | 5.04 | ppb |
| Potassium | 39-2 | 383.67 | 381.87 | 376.94 | 380.82 | 0.91 | ppb |
| Rhodium | 103-1 | | | | 106 | | % |
| Rhodium | 103-2 | | | | 108 | | % |
| Scandium | 45-1 | | | | 111 | | % |
| Scandium | 45-2 | | | | 106 | | % |
| Selenium | 82-1 | 4.05 | 3.30 | 3.38 | 3.58 | 11.53 | ppb |
| Selenium | 77-2 | 6.37 | 4.30 | 4.17 | 4.95 | 24.93 | ppb |
| Selenium | 78-2 | 0.18 | 5.49 | 4.34 | 3.34 | 83.69 | ppb |
| Silicon | 28-1 | 72.34 | 77.16 | 73.77 | 74.42 | 3.33 | ppb |
| Silver | 107-1 | 1.40 | 1.40 | 1.37 | 1.39 | 1.28 | ppb |
| Silver | 109-1 | 1.36 | 1.36 | 1.39 | 1.37 | 1.08 | ppb |
| Sodium | 23-2 | 2514.96 | 2522.41 | 2515.02 | 2517.46 | 0.17 | ppb |
| Strontium | 86-1 | 56.04 | 56.33 | 56.01 | 56.13 | 0.32 | ppb |
| Strontium | 88-1 | 56.37 | 56.26 | 56.34 | 56.32 | 0.10 | ppb |
| Sulfur | 34-1 | -44.43 | 110.81 | 125.69 | 64.02 | 147.16 | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 109 | | % |
| Thallium | 203-1 | 0.12 | 0.11 | 0.12 | 0.12 | 3.65 | ppb |
| Thallium | 205-1 | 0.13 | 0.13 | 0.13 | 0.13 | 1.65 | ppb |
| Tin | 118-1 | 3.00 | 2.87 | 2.90 | 2.92 | 2.16 | ppb |
| Titanium | 47-1 | 196.57 | 195.88 | 196.78 | 196.41 | 0.24 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-13DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0-0.5-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:22:14 | DataFile Name : | 123SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.80 | 0.81 | 0.80 | 0.81 | 0.88 | ppb |
| Vanadium | 51-2 | 43.20 | 43.06 | 42.96 | 43.07 | 0.28 | ppb |
| Yttrium | 89-1 | | | | 111 | | % |
| Yttrium | 89-2 | | | | 111 | | % |
| Zinc | 66-2 | 57.96 | 58.34 | 58.01 | 58.10 | 0.35 | ppb |
| Zirconium | 90-1 | 1.21 | 1.16 | 1.20 | 1.19 | 2.36 | ppb |
| Zirconium | 91-1 | 1.19 | 1.20 | 1.17 | 1.18 | 1.48 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV09 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV09 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:34:04 | DataFile Name : | 124CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 51589.29 | 52421.09 | 51423.82 | 51811.40 | 1.03 | ppb |
| Antimony | 121-1 | 515.59 | 497.35 | 511.28 | 508.07 | 1.88 | ppb |
| Arsenic | 75-2 | 483.12 | 486.54 | 478.14 | 482.60 | 0.87 | ppb |
| Barium | 135-1 | 2507.62 | 2422.96 | 2399.54 | 2443.37 | 2.33 | ppb |
| Barium | 137-1 | 2478.57 | 2421.03 | 2418.87 | 2439.49 | 1.39 | ppb |
| Beryllium | 9-1 | 521.63 | 540.90 | 539.76 | 534.10 | 2.02 | ppb |
| Bismuth | 209-1 | | | | 97 | | % |
| Bismuth | 209-2 | | | | 98 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 505.21 | 500.77 | 491.91 | 499.29 | 1.36 | ppb |
| Cadmium | 106-1 | 495.87 | 488.01 | 487.86 | 490.58 | 0.93 | ppb |
| Cadmium | 111-1 | 484.62 | 487.37 | 482.88 | 484.96 | 0.47 | ppb |
| Calcium | 43-1 | 254002.62 | 254353.44 | 253404.10 | 253920.05 | 0.19 | ppb |
| Calcium | 44-1 | 249917.01 | 247344.90 | 246328.40 | 247863.44 | 0.75 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 486.22 | 489.45 | 484.47 | 486.71 | 0.52 | ppb |
| Cobalt | 59-2 | 477.77 | 480.45 | 481.77 | 479.99 | 0.42 | ppb |
| Copper | 63-2 | 4991.21 | 4971.29 | 4967.58 | 4976.69 | 0.26 | 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 | | | | 102 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 128886.34 | 131204.46 | 125344.68 | 128478.49 | 2.30 | ppb |
| Iron | 57-2 | 125840.77 | 127086.18 | 127418.11 | 126781.69 | 0.66 | ppb |
| Iron | 54-2 | 125245.39 | 126329.48 | 125199.78 | 125591.55 | 0.51 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV09 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV09 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:34:04 | DataFile Name : | 124CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2465.40 | 2502.58 | 2459.63 | 2475.87 | 0.94 | ppb |
| Lead | 207-1 | 2435.53 | 2436.08 | 2431.18 | 2434.26 | 0.11 | ppb |
| Lead | 208-1 | 2456.57 | 2473.54 | 2479.62 | 2469.91 | 0.48 | ppb |
| Lithium | 6-1 | | | | 106 | | % |
| Magnesium | 24-2 | 243150.65 | 247841.35 | 247091.60 | 246027.87 | 1.02 | ppb |
| Manganese | 55-2 | 4873.83 | 4807.54 | 4793.80 | 4825.06 | 0.89 | ppb |
| Molybdenum | 94-1 | 5613.87 | 5446.34 | 5370.48 | 5476.90 | 2.27 | ppb |
| Molybdenum | 95-1 | 5610.14 | 5553.17 | 5425.48 | 5529.60 | 1.71 | ppb |
| Molybdenum | 96-1 | 5570.56 | 5553.44 | 5364.51 | 5496.17 | 2.08 | ppb |
| Molybdenum | 97-1 | 5728.25 | 5504.01 | 5403.32 | 5545.20 | 3.00 | ppb |
| Molybdenum | 98-1 | 5615.09 | 5422.98 | 5420.66 | 5486.24 | 2.03 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 464.53 | 469.72 | 468.03 | 467.43 | 0.57 | ppb |
| Phosphorus | 31-2 | 9820.51 | 9765.92 | 9565.95 | 9717.46 | 1.38 | ppb |
| Potassium | 39-2 | 124053.15 | 123916.24 | 123041.70 | 123670.36 | 0.44 | ppb |
| Rhodium | 103-1 | | | | 94 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 107 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | 498.22 | 501.25 | 485.29 | 494.92 | 1.71 | ppb |
| Selenium | 77-2 | 477.75 | 479.62 | 482.18 | 479.85 | 0.46 | ppb |
| Selenium | 78-2 | 476.57 | 473.21 | 495.47 | 481.75 | 2.49 | ppb |
| Silicon | 28-1 | 509.36 | 500.55 | 506.93 | 505.61 | 0.90 | ppb |
| Silver | 107-1 | 504.23 | 497.47 | 496.78 | 499.49 | 0.82 | ppb |
| Silver | 109-1 | 501.04 | 501.98 | 497.69 | 500.23 | 0.45 | ppb |
| Sodium | 23-2 | 247890.65 | 253976.23 | 249954.79 | 250607.22 | 1.23 | ppb |
| Strontium | 86-1 | 12763.34 | 12405.34 | 12376.10 | 12514.93 | 1.72 | ppb |
| Strontium | 88-1 | 12582.77 | 12534.62 | 12294.01 | 12470.47 | 1.24 | ppb |
| Sulfur | 34-1 | 8817.19 | 8510.73 | 8402.50 | 8576.81 | 2.51 | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 507.04 | 508.12 | 506.53 | 507.23 | 0.16 | ppb |
| Thallium | 205-1 | 508.08 | 509.08 | 504.44 | 507.20 | 0.48 | ppb |
| Tin | 118-1 | 494.78 | 495.55 | 498.18 | 496.17 | 0.36 | ppb |
| Titanium | 47-1 | 5365.57 | 5294.32 | 5196.23 | 5285.38 | 1.61 | ppb |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV09 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV09 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:34:04 | DataFile Name : | 124CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 496.83 | 508.75 | 499.79 | 501.79 | 1.24 | ppb |
| Vanadium | 51-2 | 493.79 | 496.09 | 494.02 | 494.63 | 0.26 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 4931.82 | 4863.95 | 4982.65 | 4926.14 | 1.21 | ppb |
| Zirconium | 90-1 | 513.53 | 513.21 | 488.05 | 504.93 | 2.90 | ppb |
| Zirconium | 91-1 | 500.72 | 498.98 | 486.94 | 495.54 | 1.51 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB09 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB09 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:43:40 | DataFile Name : | 125CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 0.30 | -0.48 | -0.41 | -0.20 | | ppb |
| Antimony | 121-1 | 0.07 | 0.08 | 0.10 | 0.08 | 16.23 | ppb |
| Arsenic | 75-2 | -0.02 | -0.01 | -0.03 | -0.02 | | ppb |
| Barium | 135-1 | -0.01 | 0.00 | 0.01 | 0.00 | 367.65 | ppb |
| Barium | 137-1 | 0.01 | -0.01 | 0.02 | 0.00 | 317.38 | ppb |
| Beryllium | 9-1 | 0.01 | 0.01 | 0.02 | 0.02 | 32.56 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.10 | -0.01 | 0.13 | 0.01 | 1466.80 | ppb |
| Cadmium | 106-1 | -2.90 | -3.79 | -3.02 | -3.24 | | ppb |
| Cadmium | 111-1 | -0.20 | -0.28 | -0.24 | -0.24 | | ppb |
| Calcium | 43-1 | -4.59 | -2.66 | -4.28 | -3.84 | | ppb |
| Calcium | 44-1 | -8.01 | -7.81 | -7.64 | -7.82 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.28 | -0.26 | -0.28 | -0.27 | | ppb |
| Cobalt | 59-2 | 0.00 | 0.00 | -0.01 | 0.00 | | ppb |
| Copper | 63-2 | 0.00 | 0.01 | 0.03 | 0.01 | 114.68 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 103 | | % |
| Iron | 56-2 | 0.23 | 0.01 | 0.27 | 0.17 | 81.92 | ppb |
| Iron | 57-2 | -1.33 | -0.81 | -1.69 | -1.28 | | ppb |
| Iron | 54-2 | 0.61 | -1.06 | 0.23 | -0.07 | | ppb |
| Krypton | 83-1 | | | | | | cps |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB09 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB09 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:43:40 | DataFile Name : | 125CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.01 | 0.00 | 0.00 | 0.00 | 176.21 | ppb |
| Lead | 207-1 | -0.01 | 0.01 | -0.01 | 0.00 | | ppb |
| Lead | 208-1 | 0.00 | 0.00 | -0.01 | 0.00 | | ppb |
| Lithium | 6-1 | | | | 107 | | % |
| Magnesium | 24-2 | 3.47 | 3.32 | 3.94 | 3.58 | 8.96 | ppb |
| Manganese | 55-2 | 0.04 | 0.00 | 0.00 | 0.01 | 155.98 | ppb |
| Molybdenum | 94-1 | 0.05 | 0.07 | 0.08 | 0.07 | 18.01 | ppb |
| Molybdenum | 95-1 | 0.06 | 0.06 | 0.05 | 0.06 | 6.37 | ppb |
| Molybdenum | 96-1 | 0.07 | 0.05 | 0.03 | 0.05 | 33.88 | ppb |
| Molybdenum | 97-1 | 0.05 | 0.04 | 0.03 | 0.04 | 28.17 | ppb |
| Molybdenum | 98-1 | 0.04 | 0.05 | 0.06 | 0.05 | 19.32 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.18 | -0.21 | -0.21 | -0.20 | | ppb |
| Phosphorus | 31-2 | -18.47 | -20.44 | -18.95 | -19.29 | | ppb |
| Potassium | 39-2 | -10.89 | -11.41 | -11.22 | -11.17 | | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 106 | | % |
| Scandium | 45-1 | | | | 109 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 0.18 | 0.70 | 0.33 | 0.40 | 66.87 | ppb |
| Selenium | 77-2 | -0.13 | 0.23 | -0.13 | -0.01 | | ppb |
| Selenium | 78-2 | 0.93 | 1.89 | -0.49 | 0.78 | 153.49 | ppb |
| Silicon | 28-1 | -0.61 | -0.59 | -0.54 | -0.58 | | ppb |
| Silver | 107-1 | 0.01 | 0.01 | 0.02 | 0.01 | 28.31 | ppb |
| Silver | 109-1 | 0.01 | 0.01 | 0.01 | 0.01 | 7.56 | ppb |
| Sodium | 23-2 | 13.45 | 14.51 | 14.00 | 13.98 | 3.78 | ppb |
| Strontium | 86-1 | 0.12 | 0.11 | 0.09 | 0.11 | 13.51 | ppb |
| Strontium | 88-1 | 0.13 | 0.12 | 0.13 | 0.13 | 3.39 | ppb |
| Sulfur | 34-1 | -930.09 | -954.19 | -950.21 | -944.83 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.01 | 0.00 | 0.00 | 0.00 | 61.07 | ppb |
| Thallium | 205-1 | 0.01 | 0.01 | 0.00 | 0.01 | 8.30 | ppb |
| Tin | 118-1 | 0.02 | -0.01 | -0.01 | 0.00 | | ppb |
| Titanium | 47-1 | 0.06 | 0.05 | 0.02 | 0.05 | 48.77 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB09 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB09 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:43:40 | DataFile Name : | 125CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.01 | 0.01 | 0.01 | 0.01 | 12.08 | ppb |
| Vanadium | 51-2 | 0.01 | 0.01 | 0.00 | 0.01 | 63.68 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | -0.48 | -0.66 | -0.65 | -0.60 | | ppb |
| Zirconium | 90-1 | 0.01 | 0.01 | 0.01 | 0.01 | 21.19 | ppb |
| Zirconium | 91-1 | 0.02 | 0.01 | 0.01 | 0.01 | 34.47 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:46:57 | DataFile Name : | 126SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 35128.81 | 34278.62 | 34232.13 | 34546.52 | 1.46 | ppb |
| Antimony | 121-1 | 1.77 | 1.79 | 1.92 | 1.83 | 4.31 | ppb |
| Arsenic | 75-2 | 25.54 | 25.55 | 25.16 | 25.42 | 0.89 | ppb |
| Barium | 135-1 | 520.29 | 527.44 | 540.73 | 529.49 | 1.96 | ppb |
| Barium | 137-1 | 526.40 | 574.46 | 543.55 | 548.14 | 4.44 | ppb |
| Beryllium | 9-1 | 2.90 | 3.07 | 2.99 | 2.99 | 2.88 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.24 | 2.43 | 2.04 | 2.24 | 8.66 | ppb |
| Cadmium | 106-1 | 2.18 | 1.78 | 1.02 | 1.66 | 35.34 | ppb |
| Cadmium | 111-1 | 1.78 | 1.85 | 1.84 | 1.82 | 2.16 | ppb |
| Calcium | 43-1 | 22912.15 | 23558.75 | 23379.58 | 23283.49 | 1.43 | ppb |
| Calcium | 44-1 | 21780.93 | 22498.96 | 22111.62 | 22130.51 | 1.62 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 81.35 | 81.41 | 80.29 | 81.02 | 0.78 | ppb |
| Cobalt | 59-2 | 4.83 | 4.76 | 4.86 | 4.82 | 1.00 | ppb |
| Copper | 63-2 | 147.92 | 144.84 | 144.75 | 145.83 | 1.24 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 105 | | % |
| Holmium | 165-2 | | | | 110 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 105 | | % |
| Iron | 56-2 | 22627.76 | 22686.99 | 22215.21 | 22509.99 | 1.14 | ppb |
| Iron | 57-2 | 23737.14 | 23247.49 | 23248.01 | 23410.88 | 1.21 | ppb |
| Iron | 54-2 | 23453.87 | 23089.36 | 22892.42 | 23145.22 | 1.23 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:46:57 | DataFile Name : | 126SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 350.94 | 360.10 | 354.25 | 355.10 | 1.31 | ppb |
| Lead | 207-1 | 329.87 | 339.99 | 334.34 | 334.73 | 1.52 | ppb |
| Lead | 208-1 | 365.22 | 369.00 | 368.17 | 367.46 | 0.54 | ppb |
| Lithium | 6-1 | | | | 113 | | % |
| Magnesium | 24-2 | 4001.79 | 3891.37 | 3898.31 | 3930.49 | 1.57 | ppb |
| Manganese | 55-2 | 5469.29 | 5389.15 | 5349.92 | 5402.79 | 1.13 | ppb |
| Molybdenum | 94-1 | 8.67 | 8.74 | 8.72 | 8.71 | 0.41 | ppb |
| Molybdenum | 95-1 | 2.57 | 2.57 | 2.55 | 2.56 | 0.29 | ppb |
| Molybdenum | 96-1 | 3.25 | 3.39 | 3.35 | 3.33 | 2.21 | ppb |
| Molybdenum | 97-1 | 2.56 | 2.42 | 2.47 | 2.48 | 2.84 | ppb |
| Molybdenum | 98-1 | 2.42 | 2.49 | 2.41 | 2.44 | 1.87 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 32.54 | 32.12 | 32.51 | 32.39 | 0.71 | ppb |
| Phosphorus | 31-2 | 1904.17 | 1767.15 | 1758.76 | 1810.03 | 4.51 | ppb |
| Potassium | 39-2 | 1787.55 | 1753.55 | 1748.61 | 1763.24 | 1.20 | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 104 | | % |
| Scandium | 45-1 | | | | 111 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 5.99 | 7.41 | 7.59 | 7.00 | 12.53 | ppb |
| Selenium | 77-2 | 24.45 | 28.03 | 24.05 | 25.51 | 8.58 | ppb |
| Selenium | 78-2 | 8.58 | 8.05 | 9.50 | 8.71 | 8.42 | ppb |
| Silicon | 28-1 | 349.37 | 357.04 | 356.90 | 354.44 | 1.24 | ppb |
| Silver | 107-1 | 0.88 | 0.87 | 0.92 | 0.89 | 2.83 | ppb |
| Silver | 109-1 | 0.88 | 0.88 | 0.91 | 0.89 | 1.78 | ppb |
| Sodium | 23-2 | 7245.58 | 7019.32 | 7075.83 | 7113.58 | 1.66 | ppb |
| Strontium | 86-1 | 151.51 | 154.50 | 154.89 | 153.63 | 1.20 | ppb |
| Strontium | 88-1 | 158.86 | 156.23 | 158.52 | 157.87 | 0.91 | ppb |
| Sulfur | 34-1 | 2324.37 | 2095.26 | 1965.84 | 2128.49 | 8.53 | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 108 | | % |
| Thallium | 203-1 | 0.38 | 0.40 | 0.40 | 0.39 | 1.98 | ppb |
| Thallium | 205-1 | 0.42 | 0.42 | 0.41 | 0.42 | 1.59 | ppb |
| Tin | 118-1 | 5.45 | 5.59 | 5.59 | 5.54 | 1.52 | ppb |
| Titanium | 47-1 | 296.61 | 301.28 | 297.78 | 298.56 | 0.81 | ppb |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:46:57 | DataFile Name : | 126SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 5.18 | 5.32 | 5.14 | 5.21 | 1.82 | ppb |
| Vanadium | 51-2 | 67.97 | 67.50 | 67.52 | 67.66 | 0.40 | ppb |
| Yttrium | 89-1 | | | | 115 | | % |
| Yttrium | 89-2 | | | | 115 | | % |
| Zinc | 66-2 | 163.31 | 159.69 | 159.38 | 160.79 | 1.36 | ppb |
| Zirconium | 90-1 | 3.43 | 3.42 | 3.51 | 3.45 | 1.38 | ppb |
| Zirconium | 91-1 | 3.45 | 3.34 | 3.47 | 3.42 | 2.07 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:50:08 | DataFile Name : | 127SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6926.14 | 7076.65 | 6953.59 | 6985.46 | 1.15 | ppb |
| Antimony | 121-1 | 0.37 | 0.38 | 0.37 | 0.37 | 1.91 | ppb |
| Arsenic | 75-2 | 5.16 | 5.17 | 5.56 | 5.30 | 4.28 | ppb |
| Barium | 135-1 | 102.38 | 105.67 | 106.12 | 104.72 | 1.95 | ppb |
| Barium | 137-1 | 103.78 | 106.80 | 106.79 | 105.79 | 1.65 | ppb |
| Beryllium | 9-1 | 0.64 | 0.52 | 0.54 | 0.57 | 10.74 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 111 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.34 | 0.55 | 0.52 | 0.47 | 23.86 | ppb |
| Cadmium | 106-1 | -1.23 | -1.42 | -1.76 | -1.47 | | ppb |
| Cadmium | 111-1 | 0.23 | 0.24 | 0.16 | 0.21 | 22.37 | ppb |
| Calcium | 43-1 | 4563.12 | 4558.24 | 4617.19 | 4579.52 | 0.71 | ppb |
| Calcium | 44-1 | 4310.82 | 4348.61 | 4343.51 | 4334.31 | 0.47 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 15.59 | 16.17 | 15.75 | 15.84 | 1.89 | ppb |
| Cobalt | 59-2 | 0.98 | 0.98 | 0.95 | 0.97 | 1.57 | ppb |
| Copper | 63-2 | 28.85 | 29.33 | 29.77 | 29.32 | 1.57 | 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 | | | | 105 | | % |
| Holmium | 165-2 | | | | 110 | | % |
| Indium | 115-1 | | | | 106 | | % |
| Indium | 115-2 | | | | 106 | | % |
| Iron | 56-2 | 4555.61 | 4498.93 | 4551.74 | 4535.43 | 0.70 | ppb |
| Iron | 57-2 | 4669.21 | 4603.79 | 4638.41 | 4637.14 | 0.71 | ppb |
| Iron | 54-2 | 4707.06 | 4691.79 | 4746.63 | 4715.16 | 0.60 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:50:08 | DataFile Name : | 127SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 67.62 | 69.10 | 69.35 | 68.69 | 1.36 | ppb |
| Lead | 207-1 | 64.54 | 64.97 | 65.61 | 65.04 | 0.82 | ppb |
| Lead | 208-1 | 65.84 | 67.20 | 67.17 | 66.74 | 1.16 | ppb |
| Lithium | 6-1 | | | | 115 | | % |
| Magnesium | 24-2 | 776.23 | 787.93 | 786.30 | 783.49 | 0.81 | ppb |
| Manganese | 55-2 | 1062.49 | 1056.24 | 1062.10 | 1060.28 | 0.33 | ppb |
| Molybdenum | 94-1 | 1.81 | 1.78 | 1.71 | 1.76 | 3.03 | ppb |
| Molybdenum | 95-1 | 0.55 | 0.49 | 0.54 | 0.53 | 5.74 | ppb |
| Molybdenum | 96-1 | 0.70 | 0.68 | 0.62 | 0.66 | 6.27 | ppb |
| Molybdenum | 97-1 | 0.52 | 0.54 | 0.47 | 0.51 | 7.59 | ppb |
| Molybdenum | 98-1 | 0.51 | 0.49 | 0.54 | 0.51 | 4.63 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 6.18 | 6.73 | 6.32 | 6.41 | 4.43 | ppb |
| Phosphorus | 31-2 | 337.73 | 331.63 | 330.34 | 333.23 | 1.19 | ppb |
| Potassium | 39-2 | 333.33 | 337.27 | 333.70 | 334.77 | 0.65 | ppb |
| Rhodium | 103-1 | | | | 106 | | % |
| Rhodium | 103-2 | | | | 107 | | % |
| Scandium | 45-1 | | | | 111 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 1.25 | 1.48 | 1.83 | 1.52 | 19.26 | ppb |
| Selenium | 77-2 | 5.10 | 4.35 | 5.81 | 5.09 | 14.38 | ppb |
| Selenium | 78-2 | 1.26 | 1.48 | 2.34 | 1.69 | 33.68 | ppb |
| Silicon | 28-1 | 69.84 | 70.11 | 71.52 | 70.49 | 1.28 | ppb |
| Silver | 107-1 | 0.16 | 0.19 | 0.18 | 0.18 | 8.18 | ppb |
| Silver | 109-1 | 0.19 | 0.18 | 0.17 | 0.18 | 6.06 | ppb |
| Sodium | 23-2 | 1481.43 | 1500.72 | 1491.57 | 1491.24 | 0.65 | ppb |
| Strontium | 86-1 | 33.07 | 32.86 | 32.55 | 32.83 | 0.80 | ppb |
| Strontium | 88-1 | 32.68 | 32.77 | 32.71 | 32.72 | 0.14 | ppb |
| Sulfur | 34-1 | -1379.50 | -1355.45 | -1382.70 | -1372.55 | | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 108 | | % |
| Thallium | 203-1 | 0.07 | 0.07 | 0.09 | 0.08 | 12.19 | ppb |
| Thallium | 205-1 | 0.07 | 0.07 | 0.08 | 0.07 | 3.92 | ppb |
| Tin | 118-1 | 1.05 | 1.15 | 1.18 | 1.13 | 6.37 | ppb |
| Titanium | 47-1 | 58.93 | 60.75 | 59.89 | 59.86 | 1.52 | ppb |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:50:08 | DataFile Name : | 127SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.01 | 1.00 | 0.97 | 0.99 | 2.04 | ppb |
| Vanadium | 51-2 | 13.17 | 13.47 | 13.48 | 13.38 | 1.31 | ppb |
| Yttrium | 89-1 | | | | 108 | | % |
| Yttrium | 89-2 | | | | 108 | | % |
| Zinc | 66-2 | 31.55 | 32.27 | 33.21 | 32.34 | 2.57 | ppb |
| Zirconium | 90-1 | 0.70 | 0.70 | 0.74 | 0.71 | 3.56 | ppb |
| Zirconium | 91-1 | 0.71 | 0.74 | 0.73 | 0.72 | 2.06 | ppb |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14DUP | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:53:21 | DataFile Name : | 128SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 33306.45 | 34135.52 | 33093.80 | 33511.93 | 1.64 | ppb |
| Antimony | 121-1 | 1.63 | 1.66 | 1.76 | 1.69 | 4.04 | ppb |
| Arsenic | 75-2 | 26.40 | 25.78 | 26.64 | 26.27 | 1.68 | ppb |
| Barium | 135-1 | 512.15 | 514.95 | 522.53 | 516.54 | 1.04 | ppb |
| Barium | 137-1 | 538.81 | 518.74 | 557.27 | 538.27 | 3.58 | ppb |
| Beryllium | 9-1 | 2.88 | 2.87 | 2.91 | 2.89 | 0.68 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 110 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.01 | 1.60 | 1.80 | 1.80 | 11.45 | ppb |
| Cadmium | 106-1 | 1.45 | 1.18 | 1.24 | 1.29 | 10.97 | ppb |
| Cadmium | 111-1 | 1.84 | 1.81 | 1.73 | 1.79 | 3.19 | ppb |
| Calcium | 43-1 | 22394.03 | 22873.38 | 22861.69 | 22709.70 | 1.20 | ppb |
| Calcium | 44-1 | 21214.82 | 21726.55 | 21546.54 | 21495.97 | 1.21 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 78.86 | 78.38 | 78.66 | 78.63 | 0.31 | ppb |
| Cobalt | 59-2 | 4.73 | 4.74 | 4.83 | 4.77 | 1.10 | ppb |
| Copper | 63-2 | 134.23 | 136.48 | 134.77 | 135.16 | 0.87 | 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 | | | | 107 | | % |
| Holmium | 165-2 | | | | 111 | | % |
| Indium | 115-1 | | | | 106 | | % |
| Indium | 115-2 | | | | 107 | | % |
| Iron | 56-2 | 21888.76 | 22271.88 | 22179.16 | 22113.27 | 0.90 | ppb |
| Iron | 57-2 | 22876.72 | 23005.20 | 22845.37 | 22909.10 | 0.37 | ppb |
| Iron | 54-2 | 22830.10 | 22753.52 | 22473.45 | 22685.69 | 0.83 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14DUP | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:53:21 | DataFile Name : | 128SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 350.37 | 352.79 | 354.52 | 352.56 | 0.59 | ppb |
| Lead | 207-1 | 328.17 | 334.52 | 333.76 | 332.15 | 1.04 | ppb |
| Lead | 208-1 | 361.38 | 362.81 | 366.24 | 363.48 | 0.69 | ppb |
| Lithium | 6-1 | | | | 114 | | % |
| Magnesium | 24-2 | 3815.96 | 3816.04 | 3749.65 | 3793.88 | 1.01 | ppb |
| Manganese | 55-2 | 5237.79 | 5194.67 | 5246.63 | 5226.36 | 0.53 | ppb |
| Molybdenum | 94-1 | 8.53 | 8.51 | 8.21 | 8.41 | 2.09 | ppb |
| Molybdenum | 95-1 | 2.62 | 2.52 | 2.57 | 2.57 | 1.96 | ppb |
| Molybdenum | 96-1 | 3.20 | 3.24 | 3.13 | 3.19 | 1.69 | ppb |
| Molybdenum | 97-1 | 2.54 | 2.45 | 2.43 | 2.47 | 2.35 | ppb |
| Molybdenum | 98-1 | 2.53 | 2.41 | 2.38 | 2.44 | 3.07 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 28.22 | 28.97 | 28.32 | 28.50 | 1.44 | ppb |
| Phosphorus | 31-2 | 1795.27 | 1766.55 | 1763.95 | 1775.26 | 0.98 | ppb |
| Potassium | 39-2 | 1698.20 | 1691.96 | 1684.19 | 1691.45 | 0.42 | ppb |
| Rhodium | 103-1 | | | | 105 | | % |
| Rhodium | 103-2 | | | | 105 | | % |
| Scandium | 45-1 | | | | 112 | | % |
| Scandium | 45-2 | | | | 105 | | % |
| Selenium | 82-1 | 6.42 | 7.19 | 6.14 | 6.58 | 8.25 | ppb |
| Selenium | 77-2 | 22.51 | 24.17 | 24.19 | 23.63 | 4.09 | ppb |
| Selenium | 78-2 | 7.21 | 6.86 | 11.65 | 8.57 | 31.17 | ppb |
| Silicon | 28-1 | 338.14 | 355.81 | 351.55 | 348.50 | 2.65 | ppb |
| Silver | 107-1 | 0.86 | 0.88 | 0.90 | 0.88 | 2.67 | ppb |
| Silver | 109-1 | 0.87 | 0.88 | 0.90 | 0.88 | 1.39 | ppb |
| Sodium | 23-2 | 6854.91 | 6969.90 | 6834.04 | 6886.28 | 1.06 | ppb |
| Strontium | 86-1 | 151.60 | 154.51 | 153.50 | 153.21 | 0.96 | ppb |
| Strontium | 88-1 | 154.12 | 157.86 | 155.49 | 155.82 | 1.21 | ppb |
| Sulfur | 34-1 | 1702.87 | 1655.46 | 1499.63 | 1619.32 | 6.57 | ppb |
| Terbium | 159-1 | | | | 107 | | % |
| Terbium | 159-2 | | | | 110 | | % |
| Thallium | 203-1 | 0.40 | 0.41 | 0.38 | 0.40 | 4.03 | ppb |
| Thallium | 205-1 | 0.40 | 0.40 | 0.39 | 0.40 | 0.94 | ppb |
| Tin | 118-1 | 1.96 | 1.94 | 1.95 | 1.95 | 0.72 | ppb |
| Titanium | 47-1 | 290.53 | 300.67 | 292.50 | 294.57 | 1.83 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14DUP | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:53:21 | DataFile Name : | 128SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 5.02 | 5.18 | 5.08 | 5.09 | 1.61 | ppb |
| Vanadium | 51-2 | 66.42 | 66.58 | 66.50 | 66.50 | 0.12 | ppb |
| Yttrium | 89-1 | | | | 116 | | % |
| Yttrium | 89-2 | | | | 116 | | % |
| Zinc | 66-2 | 151.45 | 149.32 | 149.51 | 150.09 | 0.79 | ppb |
| Zirconium | 90-1 | 3.39 | 3.39 | 3.38 | 3.38 | 0.24 | ppb |
| Zirconium | 91-1 | 3.29 | 3.34 | 3.28 | 3.30 | 0.94 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14DUPDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:56:33 | DataFile Name : | 129SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6756.86 | 6863.80 | 6813.87 | 6811.51 | 0.79 | ppb |
| Antimony | 121-1 | 0.35 | 0.36 | 0.36 | 0.36 | 2.15 | ppb |
| Arsenic | 75-2 | 4.98 | 5.47 | 5.62 | 5.35 | 6.27 | ppb |
| Barium | 135-1 | 98.45 | 102.52 | 103.90 | 101.62 | 2.79 | ppb |
| Barium | 137-1 | 98.81 | 104.77 | 104.14 | 102.57 | 3.19 | ppb |
| Beryllium | 9-1 | 0.54 | 0.59 | 0.65 | 0.59 | 9.64 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.45 | 0.13 | 0.13 | 0.23 | 79.17 | ppb |
| Cadmium | 106-1 | -0.99 | -1.77 | -1.40 | -1.39 | | ppb |
| Cadmium | 111-1 | 0.28 | 0.20 | 0.22 | 0.24 | 17.90 | ppb |
| Calcium | 43-1 | 4430.06 | 4512.57 | 4434.45 | 4459.03 | 1.04 | ppb |
| Calcium | 44-1 | 4279.77 | 4308.51 | 4290.27 | 4292.85 | 0.34 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 15.35 | 15.40 | 15.48 | 15.41 | 0.40 | ppb |
| Cobalt | 59-2 | 0.90 | 1.00 | 0.97 | 0.96 | 5.09 | ppb |
| Copper | 63-2 | 27.38 | 27.10 | 27.22 | 27.23 | 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 | | | | 105 | | % |
| Holmium | 165-2 | | | | 110 | | % |
| Indium | 115-1 | | | | 105 | | % |
| Indium | 115-2 | | | | 106 | | % |
| Iron | 56-2 | 4406.01 | 4473.95 | 4452.85 | 4444.27 | 0.78 | ppb |
| Iron | 57-2 | 4603.97 | 4579.58 | 4610.32 | 4597.95 | 0.35 | ppb |
| Iron | 54-2 | 4615.17 | 4629.41 | 4623.93 | 4622.84 | 0.16 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14DUPDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:56:33 | DataFile Name : | 129SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 67.37 | 68.71 | 69.41 | 68.50 | 1.51 | ppb |
| Lead | 207-1 | 62.90 | 65.62 | 65.31 | 64.61 | 2.30 | ppb |
| Lead | 208-1 | 65.19 | 66.44 | 67.41 | 66.35 | 1.68 | ppb |
| Lithium | 6-1 | | | | 113 | | % |
| Magnesium | 24-2 | 757.93 | 751.29 | 754.83 | 754.69 | 0.44 | ppb |
| Manganese | 55-2 | 1059.61 | 1060.16 | 1056.15 | 1058.64 | 0.21 | ppb |
| Molybdenum | 94-1 | 1.56 | 1.81 | 1.76 | 1.71 | 7.70 | ppb |
| Molybdenum | 95-1 | 0.49 | 0.47 | 0.52 | 0.49 | 5.17 | ppb |
| Molybdenum | 96-1 | 0.66 | 0.63 | 0.64 | 0.64 | 2.28 | ppb |
| Molybdenum | 97-1 | 0.48 | 0.43 | 0.45 | 0.45 | 6.32 | ppb |
| Molybdenum | 98-1 | 0.47 | 0.48 | 0.46 | 0.47 | 2.26 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 5.42 | 5.81 | 5.60 | 5.61 | 3.41 | ppb |
| Phosphorus | 31-2 | 334.10 | 315.55 | 306.88 | 318.85 | 4.36 | ppb |
| Potassium | 39-2 | 323.49 | 323.11 | 325.47 | 324.02 | 0.39 | ppb |
| Rhodium | 103-1 | | | | 105 | | % |
| Rhodium | 103-2 | | | | 107 | | % |
| Scandium | 45-1 | | | | 111 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 2.40 | 1.96 | 1.45 | 1.94 | 24.31 | ppb |
| Selenium | 77-2 | 5.07 | 3.70 | 2.94 | 3.90 | 27.66 | ppb |
| Selenium | 78-2 | 2.47 | 1.14 | 0.67 | 1.43 | 65.38 | ppb |
| Silicon | 28-1 | 67.36 | 68.35 | 71.69 | 69.13 | 3.29 | ppb |
| Silver | 107-1 | 0.18 | 0.17 | 0.17 | 0.18 | 2.83 | ppb |
| Silver | 109-1 | 0.17 | 0.17 | 0.19 | 0.18 | 4.55 | ppb |
| Sodium | 23-2 | 1426.23 | 1416.87 | 1438.86 | 1427.32 | 0.77 | ppb |
| Strontium | 86-1 | 31.45 | 32.57 | 32.23 | 32.08 | 1.79 | ppb |
| Strontium | 88-1 | 30.99 | 31.73 | 31.98 | 31.56 | 1.63 | ppb |
| Sulfur | 34-1 | -1711.49 | -1658.35 | -1718.16 | -1696.00 | | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 107 | | % |
| Thallium | 203-1 | 0.07 | 0.07 | 0.08 | 0.08 | 7.78 | ppb |
| Thallium | 205-1 | 0.07 | 0.08 | 0.07 | 0.07 | 6.79 | ppb |
| Tin | 118-1 | 0.36 | 0.36 | 0.37 | 0.36 | 2.62 | ppb |
| Titanium | 47-1 | 58.04 | 60.90 | 58.29 | 59.07 | 2.68 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14DUPDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:56:33 | DataFile Name : | 129SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.98 | 0.97 | 1.01 | 0.99 | 2.00 | ppb |
| Vanadium | 51-2 | 13.10 | 13.42 | 12.97 | 13.16 | 1.75 | ppb |
| Yttrium | 89-1 | | | | 108 | | % |
| Yttrium | 89-2 | | | | 109 | | % |
| Zinc | 66-2 | 29.07 | 29.34 | 28.28 | 28.89 | 1.90 | ppb |
| Zirconium | 90-1 | 0.65 | 0.69 | 0.68 | 0.67 | 3.44 | ppb |
| Zirconium | 91-1 | 0.67 | 0.61 | 0.67 | 0.65 | 5.52 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:59:46 | DataFile Name : | 130SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6519.32 | 6475.63 | 6493.71 | 6496.22 | 0.34 | ppb |
| Antimony | 121-1 | 0.34 | 0.36 | 0.32 | 0.34 | 5.80 | ppb |
| Arsenic | 75-2 | 4.82 | 5.08 | 4.53 | 4.81 | 5.62 | ppb |
| Barium | 135-1 | 98.19 | 97.76 | 96.25 | 97.40 | 1.05 | ppb |
| Barium | 137-1 | 99.60 | 99.55 | 97.13 | 98.76 | 1.43 | ppb |
| Beryllium | 9-1 | 0.47 | 0.48 | 0.52 | 0.49 | 5.27 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 111 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.36 | 0.24 | 0.31 | 0.30 | 19.57 | ppb |
| Cadmium | 106-1 | -1.13 | -1.16 | -3.14 | -1.81 | | ppb |
| Cadmium | 111-1 | 0.27 | 0.27 | 0.07 | 0.21 | 55.84 | ppb |
| Calcium | 43-1 | 4338.20 | 4383.12 | 4328.82 | 4350.04 | 0.67 | ppb |
| Calcium | 44-1 | 4090.82 | 4243.29 | 4107.93 | 4147.35 | 2.01 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 14.74 | 14.84 | 14.79 | 14.79 | 0.34 | ppb |
| Cobalt | 59-2 | 0.86 | 0.92 | 0.87 | 0.88 | 3.69 | ppb |
| Copper | 63-2 | 26.63 | 26.27 | 26.28 | 26.39 | 0.79 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 106 | | % |
| Holmium | 165-2 | | | | 109 | | % |
| Indium | 115-1 | | | | 107 | | % |
| Indium | 115-2 | | | | 106 | | % |
| Iron | 56-2 | 4162.46 | 4209.06 | 4220.89 | 4197.47 | 0.74 | ppb |
| Iron | 57-2 | 4369.66 | 4382.62 | 4380.85 | 4377.71 | 0.16 | ppb |
| Iron | 54-2 | 4413.60 | 4428.45 | 4429.45 | 4423.83 | 0.20 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:59:46 | DataFile Name : | 130SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 64.50 | 66.34 | 64.07 | 64.97 | 1.86 | ppb |
| Lead | 207-1 | 61.10 | 62.79 | 60.96 | 61.62 | 1.65 | ppb |
| Lead | 208-1 | 62.36 | 64.09 | 62.44 | 62.97 | 1.55 | ppb |
| Lithium | 6-1 | | | | 111 | | % |
| Magnesium | 24-2 | 721.32 | 727.04 | 721.67 | 723.34 | 0.44 | ppb |
| Manganese | 55-2 | 1001.06 | 998.93 | 981.19 | 993.73 | 1.10 | ppb |
| Molybdenum | 94-1 | 1.58 | 1.67 | 1.61 | 1.62 | 2.63 | ppb |
| Molybdenum | 95-1 | 0.46 | 0.50 | 0.49 | 0.48 | 4.68 | ppb |
| Molybdenum | 96-1 | 0.63 | 0.61 | 0.60 | 0.61 | 2.52 | ppb |
| Molybdenum | 97-1 | 0.48 | 0.43 | 0.47 | 0.46 | 4.74 | ppb |
| Molybdenum | 98-1 | 0.45 | 0.47 | 0.43 | 0.45 | 4.50 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 5.42 | 5.64 | 5.69 | 5.59 | 2.59 | ppb |
| Phosphorus | 31-2 | 323.67 | 305.81 | 323.68 | 317.72 | 3.25 | ppb |
| Potassium | 39-2 | 313.21 | 312.39 | 314.96 | 313.52 | 0.42 | ppb |
| Rhodium | 103-1 | | | | 107 | | % |
| Rhodium | 103-2 | | | | 106 | | % |
| Scandium | 45-1 | | | | 108 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 1.73 | 1.93 | 2.39 | 2.02 | 16.80 | ppb |
| Selenium | 77-2 | 4.03 | 4.78 | 4.42 | 4.41 | 8.58 | ppb |
| Selenium | 78-2 | 2.46 | 1.63 | 2.24 | 2.11 | 20.30 | ppb |
| Silicon | 28-1 | 65.74 | 67.65 | 65.59 | 66.33 | 1.73 | ppb |
| Silver | 107-1 | 0.16 | 0.17 | 0.17 | 0.16 | 3.78 | ppb |
| Silver | 109-1 | 0.17 | 0.17 | 0.17 | 0.17 | 0.64 | ppb |
| Sodium | 23-2 | 1376.13 | 1377.99 | 1386.29 | 1380.13 | 0.39 | ppb |
| Strontium | 86-1 | 29.74 | 30.42 | 30.26 | 30.14 | 1.18 | ppb |
| Strontium | 88-1 | 30.25 | 30.42 | 30.29 | 30.32 | 0.30 | ppb |
| Sulfur | 34-1 | -1557.45 | -1519.34 | -1639.44 | -1572.08 | | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 109 | | % |
| Thallium | 203-1 | 0.07 | 0.07 | 0.06 | 0.07 | 7.82 | ppb |
| Thallium | 205-1 | 0.06 | 0.08 | 0.07 | 0.07 | 16.04 | ppb |
| Tin | 118-1 | 0.69 | 0.75 | 0.71 | 0.72 | 3.86 | ppb |
| Titanium | 47-1 | 55.03 | 57.50 | 55.99 | 56.17 | 2.22 | ppb |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:59:46 | DataFile Name : | 130SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.93 | 0.97 | 0.91 | 0.94 | 3.08 | ppb |
| Vanadium | 51-2 | 12.68 | 12.73 | 12.61 | 12.67 | 0.50 | ppb |
| Yttrium | 89-1 | | | | 109 | | % |
| Yttrium | 89-2 | | | | 107 | | % |
| Zinc | 66-2 | 30.24 | 29.89 | 29.34 | 29.82 | 1.51 | ppb |
| Zirconium | 90-1 | 0.64 | 0.65 | 0.64 | 0.64 | 1.02 | ppb |
| Zirconium | 91-1 | 0.63 | 0.63 | 0.63 | 0.63 | 0.21 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14LDLX25 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 25 |
| Date & Time Acquired :: | 2024-08-26 00:03:01 | DataFile Name : | 131SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1440.68 | 1437.57 | 1423.51 | 1433.92 | 0.64 | ppb |
| Antimony | 121-1 | 0.09 | 0.08 | 0.07 | 0.08 | 12.21 | ppb |
| Arsenic | 75-2 | 1.16 | 1.17 | 0.97 | 1.10 | 10.39 | ppb |
| Barium | 135-1 | 21.84 | 21.88 | 21.61 | 21.78 | 0.65 | ppb |
| Barium | 137-1 | 21.77 | 22.46 | 22.24 | 22.16 | 1.61 | ppb |
| Beryllium | 9-1 | 0.12 | 0.12 | 0.14 | 0.13 | 7.63 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 110 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.02 | -0.04 | 0.07 | 0.02 | 378.83 | ppb |
| Cadmium | 106-1 | -0.23 | -1.58 | -1.60 | -1.14 | | ppb |
| Cadmium | 111-1 | 0.04 | -0.01 | -0.04 | 0.00 | | ppb |
| Calcium | 43-1 | 906.94 | 980.98 | 953.02 | 946.98 | 3.95 | ppb |
| Calcium | 44-1 | 953.17 | 960.32 | 989.59 | 967.69 | 1.99 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 2.94 | 2.96 | 2.97 | 2.96 | 0.48 | ppb |
| Cobalt | 59-2 | 0.19 | 0.18 | 0.18 | 0.18 | 3.99 | ppb |
| Copper | 63-2 | 6.00 | 6.24 | 5.96 | 6.07 | 2.50 | 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 | | | | 104 | | % |
| Holmium | 165-2 | | | | 109 | | % |
| Indium | 115-1 | | | | 106 | | % |
| Indium | 115-2 | | | | 107 | | % |
| Iron | 56-2 | 936.84 | 944.73 | 920.83 | 934.13 | 1.30 | ppb |
| Iron | 57-2 | 984.35 | 957.06 | 972.09 | 971.16 | 1.41 | ppb |
| Iron | 54-2 | 964.60 | 983.13 | 956.90 | 968.21 | 1.39 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14LDLX25 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 25 |
| Date & Time Acquired :: | 2024-08-26 00:03:01 | DataFile Name : | 131SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 13.67 | 13.87 | 14.28 | 13.94 | 2.25 | ppb |
| Lead | 207-1 | 12.93 | 13.04 | 13.45 | 13.14 | 2.08 | ppb |
| Lead | 208-1 | 13.28 | 13.49 | 13.97 | 13.58 | 2.57 | ppb |
| Lithium | 6-1 | | | | 111 | | % |
| Magnesium | 24-2 | 156.48 | 160.59 | 159.02 | 158.69 | 1.31 | ppb |
| Manganese | 55-2 | 220.27 | 223.60 | 220.13 | 221.33 | 0.89 | ppb |
| Molybdenum | 94-1 | 0.36 | 0.30 | 0.33 | 0.33 | 9.42 | ppb |
| Molybdenum | 95-1 | 0.08 | 0.09 | 0.10 | 0.09 | 11.37 | ppb |
| Molybdenum | 96-1 | 0.09 | 0.11 | 0.13 | 0.11 | 19.07 | ppb |
| Molybdenum | 97-1 | 0.08 | 0.08 | 0.05 | 0.07 | 23.37 | ppb |
| Molybdenum | 98-1 | 0.09 | 0.08 | 0.07 | 0.08 | 15.41 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 1.11 | 1.17 | 1.16 | 1.15 | 2.57 | ppb |
| Phosphorus | 31-2 | 56.18 | 52.96 | 67.27 | 58.81 | 12.77 | ppb |
| Potassium | 39-2 | 53.53 | 55.83 | 54.29 | 54.55 | 2.15 | ppb |
| Rhodium | 103-1 | | | | 105 | | % |
| Rhodium | 103-2 | | | | 108 | | % |
| Scandium | 45-1 | | | | 109 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 0.17 | 0.87 | 1.41 | 0.82 | 76.41 | ppb |
| Selenium | 77-2 | 1.61 | 0.58 | 0.94 | 1.04 | 50.49 | ppb |
| Selenium | 78-2 | -0.22 | -0.05 | 1.07 | 0.27 | 263.58 | ppb |
| Silicon | 28-1 | 14.28 | 14.40 | 14.90 | 14.53 | 2.24 | ppb |
| Silver | 107-1 | 0.04 | 0.04 | 0.04 | 0.04 | 5.72 | ppb |
| Silver | 109-1 | 0.04 | 0.04 | 0.04 | 0.04 | 10.88 | ppb |
| Sodium | 23-2 | 304.60 | 308.77 | 304.69 | 306.02 | 0.78 | ppb |
| Strontium | 86-1 | 6.32 | 6.75 | 6.71 | 6.59 | 3.59 | ppb |
| Strontium | 88-1 | 6.57 | 6.87 | 6.92 | 6.79 | 2.77 | ppb |
| Sulfur | 34-1 | -2188.17 | -2152.06 | -2036.93 | -2125.72 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 0.01 | 0.01 | 0.01 | 0.01 | 33.65 | ppb |
| Thallium | 205-1 | 0.01 | 0.01 | 0.01 | 0.01 | 9.34 | ppb |
| Tin | 118-1 | 0.18 | 0.17 | 0.15 | 0.17 | 7.80 | ppb |
| Titanium | 47-1 | 12.18 | 12.19 | 12.52 | 12.30 | 1.55 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14LDLX25 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 25 |
| Date & Time Acquired :: | 2024-08-26 00:03:01 | DataFile Name : | 131SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.20 | 0.19 | 0.21 | 0.20 | 4.63 | ppb |
| Vanadium | 51-2 | 2.74 | 2.84 | 2.85 | 2.81 | 2.23 | ppb |
| Yttrium | 89-1 | | | | 107 | | % |
| Yttrium | 89-2 | | | | 107 | | % |
| Zinc | 66-2 | 5.56 | 6.35 | 5.73 | 5.88 | 7.07 | ppb |
| Zirconium | 90-1 | 0.13 | 0.14 | 0.14 | 0.14 | 4.41 | ppb |
| Zirconium | 91-1 | 0.11 | 0.14 | 0.14 | 0.13 | 13.67 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MS | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:06:16 | DataFile Name : | 132SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 39597.17 | 40706.39 | 39877.27 | 40060.28 | 1.44 | ppb |
| Antimony | 121-1 | 519.98 | 524.36 | 536.82 | 527.05 | 1.66 | ppb |
| Arsenic | 75-2 | 515.39 | 512.66 | 504.37 | 510.81 | 1.12 | ppb |
| Barium | 135-1 | 2884.37 | 2856.88 | 2966.73 | 2902.66 | 1.97 | ppb |
| Barium | 137-1 | 2887.75 | 2914.15 | 2967.47 | 2923.12 | 1.39 | ppb |
| Beryllium | 9-1 | 570.49 | 566.11 | 591.23 | 575.94 | 2.33 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 542.45 | 547.94 | 556.87 | 549.09 | 1.33 | ppb |
| Cadmium | 106-1 | 534.88 | 538.96 | 553.75 | 542.53 | 1.83 | ppb |
| Cadmium | 111-1 | 530.86 | 538.54 | 541.71 | 537.04 | 1.04 | ppb |
| Calcium | 43-1 | 74950.25 | 74465.75 | 76961.36 | 75459.12 | 1.75 | ppb |
| Calcium | 44-1 | 70382.46 | 71308.43 | 70703.89 | 70798.26 | 0.66 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 579.84 | 580.89 | 568.56 | 576.43 | 1.19 | ppb |
| Cobalt | 59-2 | 538.38 | 543.98 | 546.39 | 542.92 | 0.76 | ppb |
| Copper | 63-2 | 5176.72 | 5275.66 | 5294.52 | 5248.96 | 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 | | | | 107 | | % |
| Holmium | 165-2 | | | | 111 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 103 | | % |
| Iron | 56-2 | 46065.52 | 47370.61 | 47823.44 | 47086.52 | 1.94 | ppb |
| Iron | 57-2 | 46327.85 | 48110.89 | 47993.59 | 47477.44 | 2.10 | ppb |
| Iron | 54-2 | 47639.20 | 47585.29 | 47327.12 | 47517.20 | 0.35 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MS | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:06:16 | DataFile Name : | 132SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2853.19 | 2940.09 | 2904.69 | 2899.32 | 1.51 | ppb |
| Lead | 207-1 | 2795.07 | 2870.40 | 2848.26 | 2837.91 | 1.36 | ppb |
| Lead | 208-1 | 2851.55 | 2856.89 | 2859.14 | 2855.86 | 0.14 | ppb |
| Lithium | 6-1 | | | | 112 | | % |
| Magnesium | 24-2 | 51061.86 | 52377.42 | 52321.61 | 51920.30 | 1.43 | ppb |
| Manganese | 55-2 | 9702.85 | 9864.03 | 9579.41 | 9715.43 | 1.47 | ppb |
| Molybdenum | 94-1 | 6104.85 | 6390.27 | 6105.71 | 6200.27 | 2.65 | ppb |
| Molybdenum | 95-1 | 6289.05 | 6677.21 | 6453.98 | 6473.41 | 3.01 | ppb |
| Molybdenum | 96-1 | 6294.63 | 6492.20 | 6463.79 | 6416.87 | 1.66 | ppb |
| Molybdenum | 97-1 | 6436.24 | 6605.84 | 6510.37 | 6517.49 | 1.30 | ppb |
| Molybdenum | 98-1 | 6369.47 | 6533.48 | 6529.24 | 6477.40 | 1.44 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 534.87 | 542.94 | 536.91 | 538.24 | 0.78 | ppb |
| Phosphorus | 31-2 | 1643.64 | 1643.75 | 1662.33 | 1649.91 | 0.65 | ppb |
| Potassium | 39-2 | 26381.13 | 26730.99 | 25984.21 | 26365.44 | 1.42 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 110 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 494.47 | 517.82 | 502.33 | 504.87 | 2.35 | ppb |
| Selenium | 77-2 | 541.85 | 497.16 | 500.36 | 513.12 | 4.86 | ppb |
| Selenium | 78-2 | 492.30 | 484.83 | 486.18 | 487.77 | 0.82 | ppb |
| Silicon | 28-1 | 358.62 | 346.38 | 357.37 | 354.12 | 1.90 | ppb |
| Silver | 107-1 | 267.58 | 367.86 | 389.01 | 341.49 | 19.00 | ppb |
| Silver | 109-1 | 314.73 | 333.93 | 389.42 | 346.03 | 11.21 | ppb |
| Sodium | 23-2 | 53227.01 | 55417.28 | 54264.30 | 54302.86 | 2.02 | ppb |
| Strontium | 86-1 | 10781.62 | 11086.25 | 10847.80 | 10905.22 | 1.47 | ppb |
| Strontium | 88-1 | 10824.08 | 11079.85 | 10998.23 | 10967.39 | 1.19 | ppb |
| Sulfur | 34-1 | 1782.28 | 1488.30 | 1591.37 | 1620.65 | 9.20 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 109 | | % |
| Thallium | 203-1 | 527.88 | 537.77 | 527.54 | 531.06 | 1.09 | ppb |
| Thallium | 205-1 | 522.12 | 532.24 | 531.42 | 528.59 | 1.06 | ppb |
| Tin | 118-1 | 473.54 | 490.44 | 491.82 | 485.27 | 2.10 | ppb |
| Titanium | 47-1 | 5912.27 | 6035.53 | 6124.10 | 6023.96 | 1.77 | ppb |

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LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MS | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:06:16 | DataFile Name : | 132SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 520.67 | 523.82 | 509.80 | 518.10 | 1.42 | ppb |
| Vanadium | 51-2 | 595.48 | 596.68 | 598.98 | 597.05 | 0.30 | ppb |
| Yttrium | 89-1 | | | | 116 | | % |
| Yttrium | 89-2 | | | | 114 | | % |
| Zinc | 66-2 | 5256.27 | 5235.07 | 5242.53 | 5244.62 | 0.21 | ppb |
| Zirconium | 90-1 | 474.79 | 487.77 | 480.21 | 480.92 | 1.36 | ppb |
| Zirconium | 91-1 | 467.33 | 483.00 | 473.94 | 474.76 | 1.66 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MSDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-26 00:09:03 | DataFile Name : | 133SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 8140.61 | 8034.98 | 8064.17 | 8079.92 | 0.68 | ppb |
| Antimony | 121-1 | 96.62 | 97.37 | 98.90 | 97.63 | 1.19 | ppb |
| Arsenic | 75-2 | 104.07 | 103.87 | 105.26 | 104.40 | 0.72 | ppb |
| Barium | 135-1 | 527.69 | 532.70 | 538.30 | 532.90 | 1.00 | ppb |
| Barium | 137-1 | 565.46 | 577.57 | 576.96 | 573.33 | 1.19 | ppb |
| Beryllium | 9-1 | 110.39 | 109.06 | 108.41 | 109.29 | 0.93 | ppb |
| Bismuth | 209-1 | | | | 111 | | % |
| Bismuth | 209-2 | | | | 112 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 111.48 | 108.34 | 112.97 | 110.93 | 2.13 | ppb |
| Cadmium | 106-1 | 102.37 | 106.00 | 105.79 | 104.72 | 1.94 | ppb |
| Cadmium | 111-1 | 104.78 | 107.03 | 107.82 | 106.55 | 1.48 | ppb |
| Calcium | 43-1 | 15607.01 | 15086.84 | 15285.50 | 15326.45 | 1.71 | ppb |
| Calcium | 44-1 | 14213.65 | 13914.03 | 14042.97 | 14056.88 | 1.07 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 115.18 | 113.64 | 113.87 | 114.23 | 0.73 | ppb |
| Cobalt | 59-2 | 107.40 | 105.80 | 106.93 | 106.71 | 0.77 | ppb |
| Copper | 63-2 | 1077.05 | 1061.13 | 1058.14 | 1065.44 | 0.95 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 108 | | % |
| Holmium | 165-2 | | | | 111 | | % |
| Indium | 115-1 | | | | 109 | | % |
| Indium | 115-2 | | | | 105 | | % |
| Iron | 56-2 | 9460.59 | 9390.62 | 9307.70 | 9386.30 | 0.82 | ppb |
| Iron | 57-2 | 9833.89 | 9856.87 | 9734.95 | 9808.57 | 0.66 | ppb |
| Iron | 54-2 | 9964.58 | 9810.31 | 9844.78 | 9873.22 | 0.82 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MSDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-26 00:09:03 | DataFile Name : | 133SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 543.01 | 558.14 | 555.33 | 552.16 | 1.46 | ppb |
| Lead | 207-1 | 534.88 | 541.04 | 552.40 | 542.77 | 1.64 | ppb |
| Lead | 208-1 | 541.28 | 549.14 | 554.20 | 548.21 | 1.19 | ppb |
| Lithium | 6-1 | | | | 117 | | % |
| Magnesium | 24-2 | 10366.99 | 10171.80 | 10360.53 | 10299.77 | 1.08 | ppb |
| Manganese | 55-2 | 1975.49 | 1905.93 | 1938.60 | 1940.01 | 1.79 | ppb |
| Molybdenum | 94-1 | 1340.48 | 1249.00 | 1305.06 | 1298.18 | 3.55 | ppb |
| Molybdenum | 95-1 | 1352.67 | 1314.13 | 1344.55 | 1337.12 | 1.52 | ppb |
| Molybdenum | 96-1 | 1346.00 | 1324.77 | 1337.17 | 1335.98 | 0.80 | ppb |
| Molybdenum | 97-1 | 1397.22 | 1318.92 | 1362.54 | 1359.56 | 2.89 | ppb |
| Molybdenum | 98-1 | 1364.05 | 1290.89 | 1363.33 | 1339.42 | 3.14 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 109.19 | 108.54 | 109.05 | 108.92 | 0.31 | ppb |
| Phosphorus | 31-2 | 327.46 | 316.72 | 299.71 | 314.63 | 4.45 | ppb |
| Potassium | 39-2 | 5127.76 | 5075.21 | 5124.12 | 5109.03 | 0.57 | ppb |
| Rhodium | 103-1 | | | | 107 | | % |
| Rhodium | 103-2 | | | | 106 | | % |
| Scandium | 45-1 | | | | 111 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 104.67 | 104.27 | 102.96 | 103.97 | 0.86 | ppb |
| Selenium | 77-2 | 98.79 | 108.63 | 104.39 | 103.93 | 4.75 | ppb |
| Selenium | 78-2 | 93.67 | 97.49 | 104.16 | 98.44 | 5.39 | ppb |
| Silicon | 28-1 | 72.37 | 66.66 | 72.00 | 70.34 | 4.54 | ppb |
| Silver | 107-1 | 87.25 | 87.89 | 88.13 | 87.75 | 0.52 | ppb |
| Silver | 109-1 | 86.32 | 87.14 | 88.18 | 87.21 | 1.07 | ppb |
| Sodium | 23-2 | 10528.71 | 10492.76 | 10577.00 | 10532.82 | 0.40 | ppb |
| Strontium | 86-1 | 2297.31 | 2252.96 | 2294.59 | 2281.62 | 1.09 | ppb |
| Strontium | 88-1 | 2277.20 | 2253.54 | 2326.64 | 2285.79 | 1.63 | ppb |
| Sulfur | 34-1 | -1186.22 | -1352.39 | -1389.80 | -1309.47 | | ppb |
| Terbium | 159-1 | | | | 108 | | % |
| Terbium | 159-2 | | | | 109 | | % |
| Thallium | 203-1 | 87.90 | 89.48 | 88.20 | 88.53 | 0.95 | ppb |
| Thallium | 205-1 | 87.34 | 89.24 | 88.09 | 88.23 | 1.08 | ppb |
| Tin | 118-1 | 88.15 | 90.24 | 90.77 | 89.72 | 1.55 | ppb |
| Titanium | 47-1 | 1206.28 | 1183.18 | 1195.48 | 1194.98 | 0.97 | ppb |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MSDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-26 00:09:03 | DataFile Name : | 133SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 86.78 | 88.21 | 98.63 | 91.21 | 7.09 | ppb |
| Vanadium | 51-2 | 118.19 | 117.01 | 115.08 | 116.76 | 1.34 | ppb |
| Yttrium | 89-1 | | | | 110 | | % |
| Yttrium | 89-2 | | | | 108 | | % |
| Zinc | 66-2 | 1045.75 | 1039.71 | 1035.55 | 1040.34 | 0.49 | ppb |
| Zirconium | 90-1 | 99.12 | 95.90 | 99.54 | 98.19 | 2.03 | ppb |
| Zirconium | 91-1 | 99.93 | 96.62 | 99.92 | 98.82 | 1.93 | ppb |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MSD | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:12:01 | DataFile Name : | 134SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 39286.44 | 39503.76 | 39536.72 | 39442.31 | 0.34 | ppb |
| Antimony | 121-1 | 501.09 | 527.58 | 520.92 | 516.53 | 2.67 | ppb |
| Arsenic | 75-2 | 513.51 | 513.96 | 522.72 | 516.73 | 1.00 | ppb |
| Barium | 135-1 | 2874.01 | 2848.39 | 2903.95 | 2875.45 | 0.97 | ppb |
| Barium | 137-1 | 2847.74 | 2927.05 | 2917.52 | 2897.43 | 1.49 | ppb |
| Beryllium | 9-1 | 551.21 | 570.05 | 564.02 | 561.76 | 1.71 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 539.12 | 548.47 | 541.82 | 543.14 | 0.89 | ppb |
| Cadmium | 106-1 | 536.61 | 540.26 | 538.35 | 538.41 | 0.34 | ppb |
| Cadmium | 111-1 | 529.36 | 528.36 | 531.82 | 529.84 | 0.34 | ppb |
| Calcium | 43-1 | 73897.56 | 72432.93 | 74072.00 | 73467.50 | 1.23 | ppb |
| Calcium | 44-1 | 69737.76 | 69402.29 | 71703.30 | 70281.12 | 1.77 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 581.97 | 564.85 | 584.74 | 577.18 | 1.87 | ppb |
| Cobalt | 59-2 | 550.99 | 552.73 | 552.36 | 552.03 | 0.17 | ppb |
| Copper | 63-2 | 5209.17 | 5232.94 | 5254.37 | 5232.16 | 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 | | | | 107 | | % |
| Holmium | 165-2 | | | | 111 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 104 | | % |
| Iron | 56-2 | 47393.27 | 47868.50 | 47830.06 | 47697.28 | 0.55 | ppb |
| Iron | 57-2 | 48452.84 | 48855.86 | 48651.33 | 48653.34 | 0.41 | ppb |
| Iron | 54-2 | 48448.51 | 47769.54 | 49541.14 | 48586.40 | 1.84 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MSD | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:12:01 | DataFile Name : | 134SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2864.01 | 2880.86 | 2888.56 | 2877.81 | 0.44 | ppb |
| Lead | 207-1 | 2861.99 | 2852.07 | 2785.68 | 2833.25 | 1.46 | ppb |
| Lead | 208-1 | 2853.83 | 2881.78 | 2838.76 | 2858.12 | 0.76 | ppb |
| Lithium | 6-1 | | | | 117 | | % |
| Magnesium | 24-2 | 52031.93 | 51639.68 | 52352.94 | 52008.18 | 0.69 | ppb |
| Manganese | 55-2 | 9570.55 | 9412.27 | 9588.01 | 9523.61 | 1.02 | ppb |
| Molybdenum | 94-1 | 6075.90 | 6169.42 | 6288.34 | 6177.89 | 1.72 | ppb |
| Molybdenum | 95-1 | 6280.99 | 6354.69 | 6551.74 | 6395.81 | 2.19 | ppb |
| Molybdenum | 96-1 | 6379.89 | 6404.81 | 6483.16 | 6422.62 | 0.84 | ppb |
| Molybdenum | 97-1 | 6478.57 | 6480.21 | 6633.26 | 6530.68 | 1.36 | ppb |
| Molybdenum | 98-1 | 6206.97 | 6413.19 | 6544.03 | 6388.06 | 2.66 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 543.85 | 540.04 | 546.68 | 543.52 | 0.61 | ppb |
| Phosphorus | 31-2 | 1645.21 | 1639.24 | 1625.59 | 1636.68 | 0.61 | ppb |
| Potassium | 39-2 | 26438.98 | 25980.81 | 25809.48 | 26076.42 | 1.25 | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 112 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 487.17 | 494.27 | 506.38 | 495.94 | 1.96 | ppb |
| Selenium | 77-2 | 503.04 | 526.73 | 515.44 | 515.07 | 2.30 | ppb |
| Selenium | 78-2 | 497.50 | 504.49 | 510.80 | 504.26 | 1.32 | ppb |
| Silicon | 28-1 | 344.77 | 335.33 | 352.23 | 344.11 | 2.46 | ppb |
| Silver | 107-1 | 479.42 | 179.45 | 252.12 | 303.67 | 51.53 | ppb |
| Silver | 109-1 | 196.53 | 291.57 | 175.77 | 221.29 | 27.90 | ppb |
| Sodium | 23-2 | 55199.76 | 55164.57 | 54662.60 | 55008.98 | 0.55 | ppb |
| Strontium | 86-1 | 10722.12 | 10818.52 | 11205.58 | 10915.40 | 2.34 | ppb |
| Strontium | 88-1 | 10868.26 | 10920.99 | 11194.80 | 10994.69 | 1.59 | ppb |
| Sulfur | 34-1 | 1494.35 | 1379.38 | 1561.40 | 1478.38 | 6.23 | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 110 | | % |
| Thallium | 203-1 | 524.83 | 535.00 | 531.92 | 530.58 | 0.98 | ppb |
| Thallium | 205-1 | 527.24 | 537.39 | 529.84 | 531.49 | 0.99 | ppb |
| Tin | 118-1 | 463.58 | 476.93 | 477.40 | 472.64 | 1.66 | ppb |
| Titanium | 47-1 | 6025.95 | 5907.93 | 6108.84 | 6014.24 | 1.68 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MSD | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:12:01 | DataFile Name : | 134SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 519.26 | 545.01 | 525.54 | 529.94 | 2.53 | ppb |
| Vanadium | 51-2 | 596.22 | 598.68 | 601.47 | 598.79 | 0.44 | ppb |
| Yttrium | 89-1 | | | | 116 | | % |
| Yttrium | 89-2 | | | | 112 | | % |
| Zinc | 66-2 | 5258.28 | 5233.71 | 5190.45 | 5227.48 | 0.66 | ppb |
| Zirconium | 90-1 | 464.36 | 485.42 | 490.64 | 480.14 | 2.90 | ppb |
| Zirconium | 91-1 | 461.35 | 473.53 | 483.45 | 472.77 | 2.34 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MSDDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-26 00:14:48 | DataFile Name : | 135SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 8248.46 | 8132.20 | 8239.54 | 8206.74 | 0.79 | ppb |
| Antimony | 121-1 | 99.77 | 98.98 | 100.25 | 99.67 | 0.64 | ppb |
| Arsenic | 75-2 | 109.48 | 109.82 | 108.68 | 109.32 | 0.54 | ppb |
| Barium | 135-1 | 535.97 | 536.10 | 537.23 | 536.43 | 0.13 | ppb |
| Barium | 137-1 | 578.52 | 574.15 | 582.37 | 578.35 | 0.71 | ppb |
| Beryllium | 9-1 | 110.57 | 111.83 | 109.02 | 110.47 | 1.28 | ppb |
| Bismuth | 209-1 | | | | 111 | | % |
| Bismuth | 209-2 | | | | 111 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 108.09 | 109.21 | 111.44 | 109.58 | 1.55 | ppb |
| Cadmium | 106-1 | 105.55 | 106.46 | 107.38 | 106.46 | 0.86 | ppb |
| Cadmium | 111-1 | 107.36 | 108.81 | 109.01 | 108.39 | 0.83 | ppb |
| Calcium | 43-1 | 15451.96 | 15700.57 | 15736.46 | 15629.66 | 0.99 | ppb |
| Calcium | 44-1 | 13938.20 | 14061.79 | 14280.02 | 14093.34 | 1.23 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 118.11 | 116.67 | 116.34 | 117.04 | 0.81 | ppb |
| Cobalt | 59-2 | 109.40 | 109.66 | 108.81 | 109.29 | 0.40 | ppb |
| Copper | 63-2 | 1064.51 | 1078.89 | 1080.61 | 1074.67 | 0.82 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 108 | | % |
| Holmium | 165-2 | | | | 110 | | % |
| Indium | 115-1 | | | | 106 | | % |
| Indium | 115-2 | | | | 105 | | % |
| Iron | 56-2 | 9762.47 | 9505.84 | 9858.58 | 9708.96 | 1.88 | ppb |
| Iron | 57-2 | 10009.60 | 9974.86 | 10026.52 | 10003.66 | 0.26 | ppb |
| Iron | 54-2 | 10281.40 | 10128.72 | 10152.08 | 10187.40 | 0.81 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MSDDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-26 00:14:48 | DataFile Name : | 135SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 566.14 | 563.07 | 565.45 | 564.89 | 0.28 | ppb |
| Lead | 207-1 | 557.43 | 555.47 | 560.42 | 557.77 | 0.45 | ppb |
| Lead | 208-1 | 559.89 | 554.28 | 561.75 | 558.64 | 0.70 | ppb |
| Lithium | 6-1 | | | | 119 | | % |
| Magnesium | 24-2 | 10562.76 | 10465.44 | 10520.27 | 10516.16 | 0.46 | ppb |
| Manganese | 55-2 | 1935.68 | 1917.92 | 1943.45 | 1932.35 | 0.68 | ppb |
| Molybdenum | 94-1 | 1290.59 | 1318.68 | 1330.67 | 1313.31 | 1.57 | ppb |
| Molybdenum | 95-1 | 1340.12 | 1338.36 | 1346.33 | 1341.60 | 0.31 | ppb |
| Molybdenum | 96-1 | 1346.20 | 1352.65 | 1361.71 | 1353.52 | 0.58 | ppb |
| Molybdenum | 97-1 | 1352.43 | 1380.23 | 1354.61 | 1362.42 | 1.13 | ppb |
| Molybdenum | 98-1 | 1356.29 | 1350.92 | 1340.40 | 1349.21 | 0.60 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 112.23 | 112.17 | 112.40 | 112.27 | 0.11 | ppb |
| Phosphorus | 31-2 | 343.22 | 316.51 | 337.43 | 332.39 | 4.23 | ppb |
| Potassium | 39-2 | 5255.85 | 5308.60 | 5228.57 | 5264.34 | 0.77 | ppb |
| Rhodium | 103-1 | | | | 107 | | % |
| Rhodium | 103-2 | | | | 106 | | % |
| Scandium | 45-1 | | | | 111 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 108.18 | 105.47 | 106.04 | 106.56 | 1.34 | ppb |
| Selenium | 77-2 | 102.92 | 107.78 | 99.48 | 103.39 | 4.03 | ppb |
| Selenium | 78-2 | 110.27 | 102.46 | 109.00 | 107.24 | 3.91 | ppb |
| Silicon | 28-1 | 70.01 | 71.90 | 69.88 | 70.59 | 1.60 | ppb |
| Silver | 107-1 | 93.41 | 93.59 | 94.04 | 93.68 | 0.35 | ppb |
| Silver | 109-1 | 92.88 | 92.80 | 93.60 | 93.09 | 0.47 | ppb |
| Sodium | 23-2 | 11210.42 | 11120.29 | 10989.01 | 11106.58 | 1.00 | ppb |
| Strontium | 86-1 | 2348.63 | 2307.05 | 2378.85 | 2344.84 | 1.54 | ppb |
| Strontium | 88-1 | 2274.41 | 2287.05 | 2359.01 | 2306.82 | 1.98 | ppb |
| Sulfur | 34-1 | -1366.88 | -1236.56 | -1268.98 | -1290.81 | | ppb |
| Terbium | 159-1 | | | | 108 | | % |
| Terbium | 159-2 | | | | 110 | | % |
| Thallium | 203-1 | 92.18 | 92.49 | 90.78 | 91.82 | 0.99 | ppb |
| Thallium | 205-1 | 91.27 | 91.55 | 91.72 | 91.51 | 0.24 | ppb |
| Tin | 118-1 | 90.71 | 91.45 | 91.94 | 91.37 | 0.68 | ppb |
| Titanium | 47-1 | 1207.12 | 1239.89 | 1232.39 | 1226.46 | 1.40 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MSDDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-26 00:14:48 | DataFile Name : | 135SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 89.10 | 90.39 | 89.98 | 89.83 | 0.73 | ppb |
| Vanadium | 51-2 | 119.72 | 119.62 | 120.51 | 119.95 | 0.40 | ppb |
| Yttrium | 89-1 | | | | 110 | | % |
| Yttrium | 89-2 | | | | 108 | | % |
| Zinc | 66-2 | 1045.84 | 1052.69 | 1051.19 | 1049.90 | 0.34 | ppb |
| Zirconium | 90-1 | 99.15 | 100.45 | 101.20 | 100.27 | 1.04 | ppb |
| Zirconium | 91-1 | 100.25 | 99.46 | 100.72 | 100.14 | 0.63 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV10 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV10 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:42:20 | DataFile Name : | 137CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 52398.15 | 52048.31 | 52466.23 | 52304.23 | 0.43 | ppb |
| Antimony | 121-1 | 506.36 | 502.69 | 494.53 | 501.19 | 1.21 | ppb |
| Arsenic | 75-2 | 472.04 | 484.60 | 469.22 | 475.29 | 1.72 | ppb |
| Barium | 135-1 | 2435.98 | 2386.50 | 2348.61 | 2390.36 | 1.83 | ppb |
| Barium | 137-1 | 2458.79 | 2378.29 | 2385.09 | 2407.39 | 1.85 | ppb |
| Beryllium | 9-1 | 516.38 | 527.66 | 544.17 | 529.41 | 2.64 | ppb |
| Bismuth | 209-1 | | | | 98 | | % |
| Bismuth | 209-2 | | | | 100 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 490.59 | 487.18 | 491.56 | 489.78 | 0.47 | ppb |
| Cadmium | 106-1 | 478.40 | 480.78 | 473.25 | 477.48 | 0.81 | ppb |
| Cadmium | 111-1 | 472.58 | 471.35 | 472.69 | 472.21 | 0.16 | ppb |
| Calcium | 43-1 | 243042.75 | 252846.60 | 249598.98 | 248496.11 | 2.01 | ppb |
| Calcium | 44-1 | 240228.18 | 253490.65 | 244776.39 | 246165.07 | 2.74 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 485.32 | 486.54 | 483.90 | 485.25 | 0.27 | ppb |
| Cobalt | 59-2 | 485.27 | 477.73 | 484.89 | 482.63 | 0.88 | ppb |
| Copper | 63-2 | 5058.37 | 4970.12 | 4885.50 | 4971.33 | 1.74 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 130446.05 | 127818.90 | 126690.57 | 128318.51 | 1.50 | ppb |
| Iron | 57-2 | 127977.34 | 127022.91 | 127538.01 | 127512.75 | 0.37 | ppb |
| Iron | 54-2 | 125540.87 | 130055.47 | 126763.72 | 127453.36 | 1.83 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV10 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV10 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:42:20 | DataFile Name : | 137CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2436.51 | 2457.33 | 2473.49 | 2455.78 | 0.75 | ppb |
| Lead | 207-1 | 2434.07 | 2458.60 | 2428.93 | 2440.54 | 0.65 | ppb |
| Lead | 208-1 | 2420.30 | 2476.76 | 2430.99 | 2442.68 | 1.23 | ppb |
| Lithium | 6-1 | | | | 110 | | % |
| Magnesium | 24-2 | 249274.90 | 246233.18 | 244686.69 | 246731.59 | 0.95 | ppb |
| Manganese | 55-2 | 4869.43 | 4938.72 | 4826.11 | 4878.09 | 1.16 | ppb |
| Molybdenum | 94-1 | 5354.84 | 5356.33 | 5455.89 | 5389.02 | 1.07 | ppb |
| Molybdenum | 95-1 | 5248.32 | 5301.03 | 5379.05 | 5309.47 | 1.24 | ppb |
| Molybdenum | 96-1 | 5235.56 | 5221.89 | 5340.72 | 5266.05 | 1.23 | ppb |
| Molybdenum | 97-1 | 5299.22 | 5393.34 | 5500.96 | 5397.84 | 1.87 | ppb |
| Molybdenum | 98-1 | 5240.25 | 5346.87 | 5463.95 | 5350.36 | 2.09 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 468.21 | 465.72 | 459.25 | 464.40 | 1.00 | ppb |
| Phosphorus | 31-2 | 9481.24 | 9480.85 | 9495.43 | 9485.84 | 0.09 | ppb |
| Potassium | 39-2 | 123529.19 | 122144.46 | 123132.91 | 122935.52 | 0.58 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 108 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 473.20 | 482.75 | 485.67 | 480.54 | 1.36 | ppb |
| Selenium | 77-2 | 441.71 | 477.06 | 472.57 | 463.78 | 4.15 | ppb |
| Selenium | 78-2 | 448.44 | 483.63 | 462.38 | 464.82 | 3.81 | ppb |
| Silicon | 28-1 | 517.02 | 520.24 | 517.89 | 518.38 | 0.32 | ppb |
| Silver | 107-1 | 497.80 | 489.85 | 488.50 | 492.05 | 1.02 | ppb |
| Silver | 109-1 | 500.38 | 495.30 | 493.89 | 496.53 | 0.69 | ppb |
| Sodium | 23-2 | 253519.67 | 249503.32 | 249983.59 | 251002.20 | 0.87 | ppb |
| Strontium | 86-1 | 12229.09 | 12306.00 | 12309.90 | 12281.66 | 0.37 | ppb |
| Strontium | 88-1 | 12072.45 | 12346.08 | 12396.20 | 12271.58 | 1.42 | ppb |
| Sulfur | 34-1 | 8866.21 | 9205.49 | 8885.79 | 8985.83 | 2.12 | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 487.96 | 488.11 | 485.50 | 487.19 | 0.30 | ppb |
| Thallium | 205-1 | 484.80 | 491.60 | 496.39 | 490.93 | 1.19 | ppb |
| Tin | 118-1 | 489.41 | 490.72 | 493.48 | 491.21 | 0.42 | ppb |
| Titanium | 47-1 | 5357.19 | 5444.19 | 5257.24 | 5352.87 | 1.75 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV10 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV10 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:42:20 | DataFile Name : | 137CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 480.80 | 503.22 | 483.34 | 489.12 | 2.51 | ppb |
| Vanadium | 51-2 | 491.26 | 493.76 | 495.80 | 493.61 | 0.46 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | 4987.33 | 4842.63 | 4725.24 | 4851.74 | 2.71 | ppb |
| Zirconium | 90-1 | 482.23 | 489.10 | 499.75 | 490.36 | 1.80 | ppb |
| Zirconium | 91-1 | 476.17 | 479.38 | 489.86 | 481.80 | 1.49 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB10 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB10 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:52:34 | DataFile Name : | 138CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 0.23 | 0.57 | 0.38 | 0.39 | 42.62 | ppb |
| Antimony | 121-1 | 0.09 | 0.12 | 0.11 | 0.10 | 14.74 | ppb |
| Arsenic | 75-2 | 0.01 | -0.02 | -0.02 | -0.01 | | ppb |
| Barium | 135-1 | 0.04 | 0.05 | 0.04 | 0.04 | 12.25 | ppb |
| Barium | 137-1 | 0.05 | 0.04 | 0.03 | 0.04 | 31.86 | ppb |
| Beryllium | 9-1 | 0.04 | 0.02 | 0.02 | 0.03 | 57.61 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.08 | -0.01 | -0.10 | -0.01 | | ppb |
| Cadmium | 106-1 | -2.50 | -3.61 | -4.16 | -3.42 | | ppb |
| Cadmium | 111-1 | -0.19 | -0.25 | -0.30 | -0.25 | | ppb |
| Calcium | 43-1 | 1.80 | 2.27 | -1.09 | 0.99 | 183.00 | ppb |
| Calcium | 44-1 | -5.51 | -6.85 | -4.02 | -5.46 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.30 | -0.27 | -0.26 | -0.27 | | ppb |
| Cobalt | 59-2 | 0.01 | 0.00 | 0.01 | 0.01 | 44.94 | ppb |
| Copper | 63-2 | 0.08 | 0.10 | 0.11 | 0.10 | 16.81 | 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 | | | | 102 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 104 | | % |
| Iron | 56-2 | 2.31 | 2.26 | 2.59 | 2.39 | 7.41 | ppb |
| Iron | 57-2 | -1.66 | 2.86 | 0.50 | 0.57 | 398.12 | ppb |
| Iron | 54-2 | 2.27 | 2.87 | 2.53 | 2.56 | 11.75 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB10 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB10 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:52:34 | DataFile Name : | 138CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.00 | 0.00 | 0.03 | 0.01 | 120.50 | ppb |
| Lead | 207-1 | 0.02 | 0.03 | 0.02 | 0.02 | 12.01 | ppb |
| Lead | 208-1 | 0.01 | 0.01 | 0.02 | 0.02 | 37.81 | ppb |
| Lithium | 6-1 | | | | 114 | | % |
| Magnesium | 24-2 | 7.09 | 7.94 | 7.90 | 7.64 | 6.27 | ppb |
| Manganese | 55-2 | 0.12 | 0.14 | 0.11 | 0.13 | 12.62 | ppb |
| Molybdenum | 94-1 | 0.12 | 0.13 | 0.16 | 0.14 | 16.84 | ppb |
| Molybdenum | 95-1 | 0.13 | 0.12 | 0.12 | 0.12 | 2.47 | ppb |
| Molybdenum | 96-1 | 0.15 | 0.14 | 0.12 | 0.13 | 11.94 | ppb |
| Molybdenum | 97-1 | 0.12 | 0.12 | 0.14 | 0.13 | 10.18 | ppb |
| Molybdenum | 98-1 | 0.12 | 0.12 | 0.11 | 0.11 | 5.27 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.19 | -0.16 | -0.18 | -0.18 | | ppb |
| Phosphorus | 31-2 | -18.70 | -18.77 | -21.61 | -19.69 | | ppb |
| Potassium | 39-2 | -13.37 | -11.25 | -11.56 | -12.06 | | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 105 | | % |
| Scandium | 45-1 | | | | 109 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | -0.17 | 1.00 | 0.10 | 0.31 | 194.82 | ppb |
| Selenium | 77-2 | 0.60 | -0.13 | -0.13 | 0.11 | 363.29 | ppb |
| Selenium | 78-2 | -1.70 | -0.45 | 0.44 | -0.57 | | ppb |
| Silicon | 28-1 | -0.63 | -0.68 | -0.59 | -0.63 | | ppb |
| Silver | 107-1 | 0.02 | 0.02 | 0.02 | 0.02 | 7.09 | ppb |
| Silver | 109-1 | 0.01 | 0.01 | 0.02 | 0.01 | 11.98 | ppb |
| Sodium | 23-2 | 21.55 | 20.88 | 22.04 | 21.49 | 2.70 | ppb |
| Strontium | 86-1 | 0.28 | 0.26 | 0.30 | 0.28 | 7.42 | ppb |
| Strontium | 88-1 | 0.28 | 0.28 | 0.29 | 0.28 | 1.87 | ppb |
| Sulfur | 34-1 | -625.13 | -654.20 | -652.11 | -643.81 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.01 | 0.01 | 0.01 | 0.01 | 18.17 | ppb |
| Thallium | 205-1 | 0.01 | 0.01 | 0.01 | 0.01 | 22.24 | ppb |
| Tin | 118-1 | 0.03 | 0.00 | 0.03 | 0.02 | 68.22 | ppb |
| Titanium | 47-1 | 0.08 | 0.10 | 0.19 | 0.12 | 47.59 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB10 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB10 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:52:34 | DataFile Name : | 138CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.01 | 0.01 | 0.01 | 0.01 | 8.81 | ppb |
| Vanadium | 51-2 | 0.02 | 0.02 | 0.01 | 0.02 | 34.35 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | -0.47 | -0.33 | -0.48 | -0.43 | | ppb |
| Zirconium | 90-1 | 0.02 | 0.02 | 0.03 | 0.02 | 19.38 | ppb |
| Zirconium | 91-1 | 0.01 | 0.02 | 0.03 | 0.02 | 35.57 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14A | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:55:51 | DataFile Name : | 139SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 40818.45 | 40205.90 | 40601.53 | 40541.96 | 0.77 | ppb |
| Antimony | 121-1 | 519.55 | 519.14 | 516.67 | 518.45 | 0.30 | ppb |
| Arsenic | 75-2 | 517.29 | 510.24 | 501.43 | 509.66 | 1.56 | ppb |
| Barium | 135-1 | 2780.91 | 2823.63 | 2909.12 | 2837.89 | 2.30 | ppb |
| Barium | 137-1 | 2857.88 | 2874.38 | 2905.50 | 2879.25 | 0.84 | ppb |
| Beryllium | 9-1 | 564.05 | 573.19 | 579.80 | 572.34 | 1.38 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 541.93 | 542.86 | 544.10 | 542.96 | 0.20 | ppb |
| Cadmium | 106-1 | 538.71 | 534.56 | 541.44 | 538.24 | 0.64 | ppb |
| Cadmium | 111-1 | 530.39 | 525.33 | 532.09 | 529.27 | 0.66 | ppb |
| Calcium | 43-1 | 71107.60 | 75840.19 | 72927.60 | 73291.80 | 3.26 | ppb |
| Calcium | 44-1 | 68674.59 | 72059.37 | 70788.73 | 70507.56 | 2.43 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 579.32 | 581.13 | 577.87 | 579.44 | 0.28 | ppb |
| Cobalt | 59-2 | 553.78 | 550.24 | 534.42 | 546.15 | 1.89 | ppb |
| Copper | 63-2 | 5171.12 | 5243.56 | 5125.88 | 5180.18 | 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 | | | | 107 | | % |
| Holmium | 165-2 | | | | 110 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 104 | | % |
| Iron | 56-2 | 46709.37 | 45619.09 | 46135.67 | 46154.71 | 1.18 | ppb |
| Iron | 57-2 | 46818.20 | 47112.34 | 45351.55 | 46427.37 | 2.03 | ppb |
| Iron | 54-2 | 46979.73 | 47540.01 | 46573.44 | 47031.06 | 1.03 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14A | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:55:51 | DataFile Name : | 139SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2864.63 | 2892.47 | 2900.21 | 2885.77 | 0.65 | ppb |
| Lead | 207-1 | 2806.85 | 2830.21 | 2846.43 | 2827.83 | 0.70 | ppb |
| Lead | 208-1 | 2835.40 | 2830.20 | 2863.43 | 2843.01 | 0.63 | ppb |
| Lithium | 6-1 | | | | 118 | | % |
| Magnesium | 24-2 | 51773.64 | 53149.90 | 53022.29 | 52648.61 | 1.44 | ppb |
| Manganese | 55-2 | 9761.47 | 9724.98 | 9680.79 | 9722.41 | 0.42 | ppb |
| Molybdenum | 94-1 | 6199.71 | 6124.06 | 6054.90 | 6126.22 | 1.18 | ppb |
| Molybdenum | 95-1 | 6330.13 | 6153.89 | 6279.58 | 6254.54 | 1.45 | ppb |
| Molybdenum | 96-1 | 6326.77 | 6229.51 | 6312.01 | 6289.43 | 0.83 | ppb |
| Molybdenum | 97-1 | 6366.31 | 6455.21 | 6395.35 | 6405.62 | 0.71 | ppb |
| Molybdenum | 98-1 | 6282.08 | 6327.74 | 6241.83 | 6283.89 | 0.68 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 540.18 | 542.53 | 535.18 | 539.30 | 0.70 | ppb |
| Phosphorus | 31-2 | 1667.09 | 1666.39 | 1608.03 | 1647.17 | 2.06 | ppb |
| Potassium | 39-2 | 25972.93 | 25988.11 | 25868.37 | 25943.14 | 0.25 | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 103 | | % |
| Scandium | 45-1 | | | | 113 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 495.11 | 488.51 | 494.12 | 492.58 | 0.72 | ppb |
| Selenium | 77-2 | 514.66 | 489.73 | 509.11 | 504.50 | 2.59 | ppb |
| Selenium | 78-2 | 505.37 | 502.22 | 500.98 | 502.86 | 0.45 | ppb |
| Silicon | 28-1 | 363.07 | 367.35 | 395.68 | 375.37 | 4.72 | ppb |
| Silver | 107-1 | 133.32 | 130.12 | 145.65 | 136.36 | 6.01 | ppb |
| Silver | 109-1 | 116.62 | 117.08 | 129.31 | 121.00 | 5.95 | ppb |
| Sodium | 23-2 | 54769.70 | 56687.09 | 54694.50 | 55383.76 | 2.04 | ppb |
| Strontium | 86-1 | 11095.24 | 10863.69 | 11207.13 | 11055.35 | 1.58 | ppb |
| Strontium | 88-1 | 10910.28 | 10752.60 | 10746.34 | 10803.07 | 0.86 | ppb |
| Sulfur | 34-1 | 2142.44 | 2131.56 | 2020.15 | 2098.05 | 3.23 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 109 | | % |
| Thallium | 203-1 | 528.59 | 535.93 | 530.47 | 531.67 | 0.72 | ppb |
| Thallium | 205-1 | 533.09 | 531.69 | 535.17 | 533.32 | 0.33 | ppb |
| Tin | 118-1 | 479.73 | 468.77 | 480.47 | 476.32 | 1.37 | ppb |
| Titanium | 47-1 | 5836.64 | 6035.12 | 6175.70 | 6015.82 | 2.83 | ppb |

Reviewed By:mohan
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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14A | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:55:51 | DataFile Name : | 139SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 526.14 | 530.79 | 536.02 | 530.98 | 0.93 | ppb |
| Vanadium | 51-2 | 596.79 | 593.88 | 592.70 | 594.46 | 0.35 | ppb |
| Yttrium | 89-1 | | | | 116 | | % |
| Yttrium | 89-2 | | | | 112 | | % |
| Zinc | 66-2 | 5152.28 | 5109.11 | 5096.92 | 5119.44 | 0.57 | ppb |
| Zirconium | 90-1 | 477.78 | 486.42 | 475.27 | 479.82 | 1.22 | ppb |
| Zirconium | 91-1 | 470.08 | 471.12 | 473.93 | 471.71 | 0.42 | ppb |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14ADLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-26 00:58:40 | DataFile Name : | 140SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 8022.20 | 8108.93 | 8106.37 | 8079.17 | 0.61 | ppb |
| Antimony | 121-1 | 94.33 | 97.07 | 97.49 | 96.30 | 1.78 | ppb |
| Arsenic | 75-2 | 104.56 | 99.73 | 105.74 | 103.34 | 3.08 | ppb |
| Barium | 135-1 | 510.02 | 523.30 | 529.48 | 520.93 | 1.91 | ppb |
| Barium | 137-1 | 556.42 | 551.46 | 568.28 | 558.72 | 1.55 | ppb |
| Beryllium | 9-1 | 111.90 | 111.03 | 111.93 | 111.62 | 0.46 | ppb |
| Bismuth | 209-1 | | | | 111 | | % |
| Bismuth | 209-2 | | | | 113 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 107.37 | 110.15 | 105.81 | 107.78 | 2.04 | ppb |
| Cadmium | 106-1 | 102.35 | 105.25 | 106.82 | 104.81 | 2.16 | ppb |
| Cadmium | 111-1 | 103.24 | 106.17 | 107.11 | 105.51 | 1.91 | ppb |
| Calcium | 43-1 | 15091.73 | 15726.49 | 15514.35 | 15444.19 | 2.09 | ppb |
| Calcium | 44-1 | 13899.09 | 14358.82 | 14075.34 | 14111.08 | 1.64 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 114.02 | 116.00 | 114.14 | 114.72 | 0.97 | ppb |
| Cobalt | 59-2 | 105.26 | 106.23 | 105.66 | 105.72 | 0.46 | ppb |
| Copper | 63-2 | 1051.40 | 1065.41 | 1052.38 | 1056.40 | 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 | | | | 108 | | % |
| Holmium | 165-2 | | | | 111 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 106 | | % |
| Iron | 56-2 | 9142.14 | 9293.64 | 9199.54 | 9211.77 | 0.83 | ppb |
| Iron | 57-2 | 9450.28 | 9590.56 | 9418.51 | 9486.45 | 0.97 | ppb |
| Iron | 54-2 | 9598.95 | 9660.78 | 9628.06 | 9629.26 | 0.32 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14ADLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-26 00:58:40 | DataFile Name : | 140SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 525.07 | 562.00 | 556.52 | 547.86 | 3.64 | ppb |
| Lead | 207-1 | 519.47 | 551.80 | 538.97 | 536.75 | 3.03 | ppb |
| Lead | 208-1 | 528.32 | 556.15 | 545.63 | 543.36 | 2.59 | ppb |
| Lithium | 6-1 | | | | 122 | | % |
| Magnesium | 24-2 | 10286.93 | 10348.58 | 10243.46 | 10292.99 | 0.51 | ppb |
| Manganese | 55-2 | 1891.03 | 1935.82 | 1914.16 | 1913.67 | 1.17 | ppb |
| Molybdenum | 94-1 | 1268.41 | 1262.58 | 1314.14 | 1281.71 | 2.20 | ppb |
| Molybdenum | 95-1 | 1303.99 | 1290.05 | 1304.09 | 1299.38 | 0.62 | ppb |
| Molybdenum | 96-1 | 1306.95 | 1313.24 | 1282.25 | 1300.81 | 1.26 | ppb |
| Molybdenum | 97-1 | 1328.42 | 1324.59 | 1318.65 | 1323.89 | 0.37 | ppb |
| Molybdenum | 98-1 | 1287.93 | 1314.23 | 1324.54 | 1308.90 | 1.44 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 107.46 | 108.10 | 109.52 | 108.36 | 0.97 | ppb |
| Phosphorus | 31-2 | 302.87 | 314.08 | 316.23 | 311.06 | 2.31 | ppb |
| Potassium | 39-2 | 5047.21 | 5100.22 | 5177.60 | 5108.34 | 1.28 | ppb |
| Rhodium | 103-1 | | | | 104 | | % |
| Rhodium | 103-2 | | | | 104 | | % |
| Scandium | 45-1 | | | | 110 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 106.51 | 101.43 | 105.36 | 104.43 | 2.55 | ppb |
| Selenium | 77-2 | 97.60 | 92.14 | 100.81 | 96.85 | 4.53 | ppb |
| Selenium | 78-2 | 108.13 | 96.92 | 101.19 | 102.08 | 5.54 | ppb |
| Silicon | 28-1 | 69.46 | 75.10 | 77.86 | 74.14 | 5.77 | ppb |
| Silver | 107-1 | 88.46 | 91.79 | 91.62 | 90.63 | 2.07 | ppb |
| Silver | 109-1 | 88.84 | 91.58 | 91.97 | 90.80 | 1.87 | ppb |
| Sodium | 23-2 | 10551.91 | 10768.17 | 10836.80 | 10718.96 | 1.39 | ppb |
| Strontium | 86-1 | 2311.30 | 2281.64 | 2295.08 | 2296.01 | 0.65 | ppb |
| Strontium | 88-1 | 2276.26 | 2272.23 | 2272.43 | 2273.64 | 0.10 | ppb |
| Sulfur | 34-1 | -848.01 | -523.71 | -717.20 | -696.31 | | ppb |
| Terbium | 159-1 | | | | 108 | | % |
| Terbium | 159-2 | | | | 109 | | % |
| Thallium | 203-1 | 86.08 | 90.54 | 88.98 | 88.54 | 2.56 | ppb |
| Thallium | 205-1 | 85.98 | 90.45 | 89.35 | 88.60 | 2.63 | ppb |
| Tin | 118-1 | 85.27 | 88.44 | 88.53 | 87.41 | 2.13 | ppb |
| Titanium | 47-1 | 1178.16 | 1256.20 | 1215.30 | 1216.55 | 3.21 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14ADLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-26 00:58:40 | DataFile Name : | 140SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 83.80 | 90.74 | 88.66 | 87.73 | 4.06 | ppb |
| Vanadium | 51-2 | 116.94 | 116.91 | 115.67 | 116.50 | 0.62 | ppb |
| Yttrium | 89-1 | | | | 109 | | % |
| Yttrium | 89-2 | | | | 107 | | % |
| Zinc | 66-2 | 1027.25 | 1029.18 | 1024.22 | 1026.88 | 0.24 | ppb |
| Zirconium | 90-1 | 98.46 | 98.44 | 98.69 | 98.53 | 0.14 | ppb |
| Zirconium | 91-1 | 97.61 | 97.92 | 98.51 | 98.01 | 0.47 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01ARE2 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124ARE2 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 01:15:07 | DataFile Name : | 142SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 9804.70 | 9805.15 | 9638.76 | 9749.54 | 0.98 | ppb |
| Antimony | 121-1 | 515.16 | 524.14 | 531.82 | 523.71 | 1.59 | ppb |
| Arsenic | 75-2 | 529.06 | 534.86 | 510.99 | 524.97 | 2.37 | ppb |
| Barium | 135-1 | 2419.06 | 2434.55 | 2520.17 | 2457.93 | 2.22 | ppb |
| Barium | 137-1 | 2485.51 | 2456.54 | 2497.82 | 2479.96 | 0.85 | ppb |
| Beryllium | 9-1 | 594.53 | 564.87 | 590.58 | 583.33 | 2.76 | ppb |
| Bismuth | 209-1 | | | | 102 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 551.42 | 548.88 | 572.70 | 557.67 | 2.35 | ppb |
| Cadmium | 106-1 | 538.95 | 532.38 | 555.58 | 542.30 | 2.20 | ppb |
| Cadmium | 111-1 | 529.73 | 529.47 | 551.69 | 536.96 | 2.38 | ppb |
| Calcium | 43-1 | 73954.05 | 72035.39 | 76335.37 | 74108.27 | 2.91 | ppb |
| Calcium | 44-1 | 69500.50 | 69180.42 | 70892.37 | 69857.76 | 1.30 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 520.78 | 523.31 | 517.03 | 520.37 | 0.61 | ppb |
| Cobalt | 59-2 | 553.19 | 561.94 | 550.36 | 555.16 | 1.09 | ppb |
| Copper | 63-2 | 5125.29 | 5113.18 | 5063.24 | 5100.57 | 0.64 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 102 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 29695.16 | 29321.61 | 29256.37 | 29424.38 | 0.80 | ppb |
| Iron | 57-2 | 29656.81 | 29765.61 | 29986.41 | 29802.94 | 0.56 | ppb |
| Iron | 54-2 | 29664.70 | 30067.97 | 30421.93 | 30051.53 | 1.26 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01ARE2 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124ARE2 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 01:15:07 | DataFile Name : | 142SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2502.88 | 2559.80 | 2565.84 | 2542.84 | 1.37 | ppb |
| Lead | 207-1 | 2468.02 | 2529.16 | 2603.91 | 2533.70 | 2.69 | ppb |
| Lead | 208-1 | 2492.28 | 2532.96 | 2569.51 | 2531.58 | 1.53 | ppb |
| Lithium | 6-1 | | | | 119 | | % |
| Magnesium | 24-2 | 53185.99 | 53584.58 | 52611.54 | 53127.37 | 0.92 | ppb |
| Manganese | 55-2 | 5466.81 | 5402.84 | 5274.63 | 5381.43 | 1.82 | ppb |
| Molybdenum | 94-1 | 6725.32 | 7047.25 | 6701.28 | 6824.61 | 2.83 | ppb |
| Molybdenum | 95-1 | 6980.61 | 7306.68 | 6971.68 | 7086.32 | 2.69 | ppb |
| Molybdenum | 96-1 | 7014.57 | 7045.44 | 6987.61 | 7015.87 | 0.41 | ppb |
| Molybdenum | 97-1 | 7104.99 | 7186.02 | 7048.23 | 7113.08 | 0.97 | ppb |
| Molybdenum | 98-1 | 6991.99 | 7174.23 | 6943.56 | 7036.59 | 1.73 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 523.68 | 523.09 | 518.82 | 521.86 | 0.51 | ppb |
| Phosphorus | 31-2 | 71.07 | 68.36 | 72.80 | 70.75 | 3.16 | ppb |
| Potassium | 39-2 | 27514.76 | 27405.99 | 27246.93 | 27389.23 | 0.49 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 99 | | % |
| Scandium | 45-1 | | | | 110 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | 519.67 | 537.86 | 530.47 | 529.33 | 1.73 | ppb |
| Selenium | 77-2 | 532.28 | 531.75 | 481.07 | 515.03 | 5.71 | ppb |
| Selenium | 78-2 | 525.84 | 530.89 | 500.14 | 518.96 | 3.18 | ppb |
| Silicon | 28-1 | 172.86 | 166.77 | 183.82 | 174.48 | 4.95 | ppb |
| Silver | 107-1 | 294.70 | 297.54 | 371.93 | 321.39 | 13.63 | ppb |
| Silver | 109-1 | 365.88 | 413.24 | 387.98 | 389.03 | 6.09 | ppb |
| Sodium | 23-2 | 112779.33 | 112650.43 | 113339.39 | 112923.05 | 0.32 | ppb |
| Strontium | 86-1 | 11899.77 | 12252.33 | 11855.27 | 12002.46 | 1.81 | ppb |
| Strontium | 88-1 | 11984.39 | 12348.93 | 12003.74 | 12112.35 | 1.69 | ppb |
| Sulfur | 34-1 | 2113.78 | 2057.05 | 2315.41 | 2162.08 | 6.28 | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 525.12 | 542.00 | 529.93 | 532.35 | 1.63 | ppb |
| Thallium | 205-1 | 521.12 | 540.01 | 541.90 | 534.34 | 2.15 | ppb |
| Tin | 118-1 | 480.04 | 486.19 | 497.34 | 487.86 | 1.80 | ppb |
| Titanium | 47-1 | 5861.73 | 5845.62 | 5970.07 | 5892.47 | 1.15 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01ARE2 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124ARE2 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 01:15:07 | DataFile Name : | 142SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 522.40 | 538.41 | 535.90 | 532.24 | 1.62 | ppb |
| Vanadium | 51-2 | 544.64 | 546.23 | 542.16 | 544.34 | 0.38 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 5202.20 | 5207.72 | 5172.04 | 5193.99 | 0.37 | ppb |
| Zirconium | 90-1 | 519.16 | 531.67 | 521.93 | 524.25 | 1.25 | ppb |
| Zirconium | 91-1 | 509.83 | 525.38 | 512.02 | 515.74 | 1.63 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV11 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV11 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 01:17:53 | DataFile Name : | 143CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 52066.66 | 52994.42 | 51628.55 | 52229.88 | 1.34 | ppb |
| Antimony | 121-1 | 500.41 | 501.57 | 505.08 | 502.35 | 0.48 | ppb |
| Arsenic | 75-2 | 481.53 | 469.09 | 473.77 | 474.80 | 1.32 | ppb |
| Barium | 135-1 | 2399.25 | 2432.77 | 2422.29 | 2418.10 | 0.71 | ppb |
| Barium | 137-1 | 2416.65 | 2414.95 | 2441.32 | 2424.30 | 0.61 | ppb |
| Beryllium | 9-1 | 517.18 | 529.46 | 505.38 | 517.34 | 2.33 | ppb |
| Bismuth | 209-1 | | | | 100 | | % |
| Bismuth | 209-2 | | | | 100 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 483.54 | 481.18 | 495.05 | 486.59 | 1.53 | ppb |
| Cadmium | 106-1 | 488.04 | 483.19 | 490.65 | 487.29 | 0.78 | ppb |
| Cadmium | 111-1 | 472.54 | 474.52 | 486.38 | 477.81 | 1.57 | ppb |
| Calcium | 43-1 | 250606.69 | 254345.53 | 251578.79 | 252177.00 | 0.77 | ppb |
| Calcium | 44-1 | 251607.09 | 250609.12 | 245795.36 | 249337.19 | 1.25 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 485.33 | 488.67 | 489.92 | 487.98 | 0.49 | ppb |
| Cobalt | 59-2 | 479.16 | 488.37 | 475.39 | 480.97 | 1.39 | ppb |
| Copper | 63-2 | 4967.56 | 5142.22 | 5009.33 | 5039.71 | 1.81 | 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 | | | | 104 | | % |
| Holmium | 165-2 | | | | 109 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 129055.18 | 129500.77 | 127215.18 | 128590.38 | 0.94 | ppb |
| Iron | 57-2 | 124853.78 | 129851.35 | 127032.37 | 127245.83 | 1.97 | ppb |
| Iron | 54-2 | 126561.69 | 129533.95 | 128126.99 | 128074.21 | 1.16 | ppb |
| Krypton | 83-1 | | | | | | cps |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV11 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV11 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 01:17:53 | DataFile Name : | 143CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2451.88 | 2394.75 | 2514.62 | 2453.75 | 2.44 | ppb |
| Lead | 207-1 | 2420.41 | 2384.70 | 2487.33 | 2430.81 | 2.14 | ppb |
| Lead | 208-1 | 2429.21 | 2361.01 | 2482.17 | 2424.13 | 2.51 | ppb |
| Lithium | 6-1 | | | | 120 | | % |
| Magnesium | 24-2 | 249329.88 | 250201.65 | 248199.47 | 249243.67 | 0.40 | ppb |
| Manganese | 55-2 | 4867.66 | 4956.58 | 4804.12 | 4876.12 | 1.57 | ppb |
| Molybdenum | 94-1 | 5268.16 | 5359.16 | 5405.39 | 5344.24 | 1.31 | ppb |
| Molybdenum | 95-1 | 5343.87 | 5345.39 | 5334.15 | 5341.14 | 0.11 | ppb |
| Molybdenum | 96-1 | 5299.87 | 5291.33 | 5362.27 | 5317.82 | 0.73 | ppb |
| Molybdenum | 97-1 | 5412.06 | 5444.38 | 5400.76 | 5419.07 | 0.42 | ppb |
| Molybdenum | 98-1 | 5325.01 | 5409.36 | 5389.92 | 5374.76 | 0.82 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 465.57 | 479.02 | 464.90 | 469.83 | 1.70 | ppb |
| Phosphorus | 31-2 | 9407.65 | 9570.52 | 9535.04 | 9504.40 | 0.90 | ppb |
| Potassium | 39-2 | 122726.06 | 122776.55 | 122847.53 | 122783.38 | 0.05 | ppb |
| Rhodium | 103-1 | | | | 94 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 107 | | % |
| Scandium | 45-2 | | | | 96 | | % |
| Selenium | 82-1 | 478.01 | 483.26 | 469.72 | 476.99 | 1.43 | ppb |
| Selenium | 77-2 | 454.63 | 475.07 | 483.43 | 471.05 | 3.15 | ppb |
| Selenium | 78-2 | 473.13 | 474.89 | 469.83 | 472.62 | 0.54 | ppb |
| Silicon | 28-1 | 533.96 | 531.93 | 527.48 | 531.12 | 0.62 | ppb |
| Silver | 107-1 | 489.79 | 486.31 | 489.49 | 488.53 | 0.39 | ppb |
| Silver | 109-1 | 492.16 | 481.39 | 500.40 | 491.32 | 1.94 | ppb |
| Sodium | 23-2 | 253185.83 | 257208.19 | 254510.96 | 254968.33 | 0.80 | ppb |
| Strontium | 86-1 | 11984.25 | 12259.68 | 12178.82 | 12140.92 | 1.17 | ppb |
| Strontium | 88-1 | 11867.25 | 12252.18 | 12084.93 | 12068.12 | 1.60 | ppb |
| Sulfur | 34-1 | 9300.67 | 9157.00 | 9052.61 | 9170.10 | 1.36 | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 487.74 | 482.85 | 511.75 | 494.11 | 3.13 | ppb |
| Thallium | 205-1 | 487.39 | 482.45 | 510.00 | 493.28 | 2.98 | ppb |
| Tin | 118-1 | 483.98 | 488.41 | 500.67 | 491.02 | 1.76 | ppb |
| Titanium | 47-1 | 5417.82 | 5421.48 | 5337.06 | 5392.12 | 0.88 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV11 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV11 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 01:17:53 | DataFile Name : | 143CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 484.28 | 481.91 | 521.29 | 495.82 | 4.45 | ppb |
| Vanadium | 51-2 | 493.26 | 493.68 | 494.64 | 493.86 | 0.14 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | 4826.98 | 5061.29 | 4923.76 | 4937.34 | 2.38 | ppb |
| Zirconium | 90-1 | 487.56 | 504.28 | 497.21 | 496.35 | 1.69 | ppb |
| Zirconium | 91-1 | 477.71 | 490.42 | 481.35 | 483.16 | 1.35 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB11 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB11 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 01:30:17 | DataFile Name : | 144CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 0.87 | 1.23 | 1.19 | 1.10 | 17.96 | ppb |
| Antimony | 121-1 | 0.09 | 0.11 | 0.15 | 0.12 | 24.22 | ppb |
| Arsenic | 75-2 | 0.01 | -0.03 | 0.01 | 0.00 | | ppb |
| Barium | 135-1 | 0.02 | 0.03 | 0.05 | 0.04 | 38.48 | ppb |
| Barium | 137-1 | 0.04 | 0.06 | 0.10 | 0.06 | 48.23 | ppb |
| Beryllium | 9-1 | 0.05 | 0.07 | 0.05 | 0.06 | 23.56 | ppb |
| Bismuth | 209-1 | | | | 102 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.02 | 0.02 | -0.06 | -0.02 | | ppb |
| Cadmium | 106-1 | -2.98 | -2.67 | -4.64 | -3.43 | | ppb |
| Cadmium | 111-1 | -0.20 | -0.20 | -0.31 | -0.24 | | ppb |
| Calcium | 43-1 | 2.68 | 0.20 | 0.51 | 1.13 | 119.96 | ppb |
| Calcium | 44-1 | -3.63 | -3.73 | -4.03 | -3.80 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.31 | -0.24 | -0.28 | -0.28 | | ppb |
| Cobalt | 59-2 | 0.01 | 0.01 | 0.02 | 0.01 | 63.78 | ppb |
| Copper | 63-2 | 0.15 | 0.14 | 0.11 | 0.13 | 15.74 | 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 | | | | 108 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 104 | | % |
| Iron | 56-2 | 4.35 | 2.72 | 3.42 | 3.50 | 23.35 | ppb |
| Iron | 57-2 | -2.86 | -2.38 | -1.05 | -2.10 | | ppb |
| Iron | 54-2 | 2.24 | 2.51 | 3.70 | 2.82 | 27.67 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB11 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB11 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 01:30:17 | DataFile Name : | 144CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.04 | 0.04 | 0.06 | 0.05 | 29.80 | ppb |
| Lead | 207-1 | 0.05 | 0.03 | 0.04 | 0.04 | 20.07 | ppb |
| Lead | 208-1 | 0.04 | 0.03 | 0.04 | 0.04 | 14.30 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 8.79 | 8.55 | 9.34 | 8.89 | 4.55 | ppb |
| Manganese | 55-2 | 0.07 | 0.18 | 0.20 | 0.15 | 49.06 | ppb |
| Molybdenum | 94-1 | 0.14 | 0.18 | 0.22 | 0.18 | 21.13 | ppb |
| Molybdenum | 95-1 | 0.17 | 0.16 | 0.17 | 0.17 | 0.92 | ppb |
| Molybdenum | 96-1 | 0.16 | 0.16 | 0.16 | 0.16 | 2.04 | ppb |
| Molybdenum | 97-1 | 0.15 | 0.14 | 0.18 | 0.16 | 14.86 | ppb |
| Molybdenum | 98-1 | 0.16 | 0.16 | 0.17 | 0.16 | 5.20 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.16 | -0.17 | -0.21 | -0.18 | | ppb |
| Phosphorus | 31-2 | -22.66 | -16.82 | -19.20 | -19.56 | | ppb |
| Potassium | 39-2 | -14.23 | -11.25 | -13.54 | -13.01 | | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 106 | | % |
| Scandium | 45-1 | | | | 107 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 0.35 | -0.15 | -0.06 | 0.05 | 561.26 | ppb |
| Selenium | 77-2 | -0.13 | -0.13 | -0.13 | -0.13 | | ppb |
| Selenium | 78-2 | -0.56 | 1.81 | 0.54 | 0.60 | 199.31 | ppb |
| Silicon | 28-1 | -0.60 | -0.70 | -0.36 | -0.55 | | ppb |
| Silver | 107-1 | 0.04 | 0.02 | 0.02 | 0.03 | 33.07 | ppb |
| Silver | 109-1 | 0.03 | 0.02 | 0.02 | 0.02 | 5.61 | ppb |
| Sodium | 23-2 | 23.61 | 23.68 | 24.21 | 23.84 | 1.38 | ppb |
| Strontium | 86-1 | 0.39 | 0.33 | 0.43 | 0.38 | 12.78 | ppb |
| Strontium | 88-1 | 0.35 | 0.35 | 0.39 | 0.36 | 6.24 | ppb |
| Sulfur | 34-1 | -454.59 | -625.37 | -22.57 | -367.51 | | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 107 | | % |
| Thallium | 203-1 | 0.02 | 0.01 | 0.01 | 0.01 | 43.61 | ppb |
| Thallium | 205-1 | 0.02 | 0.02 | 0.01 | 0.02 | 18.54 | ppb |
| Tin | 118-1 | 0.01 | 0.00 | 0.05 | 0.02 | 115.43 | ppb |
| Titanium | 47-1 | 0.18 | 0.11 | 0.20 | 0.16 | 27.96 | ppb |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB11 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB11 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 01:30:17 | DataFile Name : | 144CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.01 | 0.01 | 0.01 | 0.01 | 9.14 | ppb |
| Vanadium | 51-2 | 0.01 | 0.02 | 0.03 | 0.02 | 36.96 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | -0.26 | -0.53 | -0.31 | -0.37 | | ppb |
| Zirconium | 90-1 | 0.02 | 0.02 | 0.04 | 0.03 | 44.09 | ppb |
| Zirconium | 91-1 | 0.01 | 0.01 | 0.03 | 0.02 | 80.86 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S0 | Instrumnet Name : | P7 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:38:45 | DataFile Name : | 004CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 293 | 297 | 320 | 303 | 4.79 | cps |
| Antimony | 121-1 | 40 | 70 | 53 | 54 | 27.61 | cps |
| Arsenic | 75-2 | 13 | 7 | 7 | 9 | 43.25 | cps |
| Barium | 135-1 | 80 | 127 | 67 | 91 | 34.58 | cps |
| Barium | 137-1 | 147 | 140 | 113 | 133 | 13.23 | cps |
| Beryllium | 9-1 | 33 | 37 | 33 | 34 | 5.60 | cps |
| Bismuth | 209-1 | 5195528 | 5299755 | 5288496 | 5261260 | 1.09 | cps |
| Bismuth | 209-2 | 4400739 | 4444923 | 4412727 | 4419463 | 0.52 | cps |
| Bromine | 81-1 | 7235 | 7152 | 7068 | 7152 | 1.17 | cps |
| Bromine | 81-2 | 47 | 83 | 50 | 60 | 33.79 | cps |
| Cadmium | 108-1 | 13 | 17 | 13 | 14 | 13.35 | cps |
| Cadmium | 106-1 | 2520 | 2594 | 2430 | 2515 | 3.25 | cps |
| Cadmium | 111-1 | 1785 | 1864 | 1709 | 1786 | 4.35 | cps |
| Calcium | 43-1 | 420 | 397 | 340 | 386 | 10.67 | cps |
| Calcium | 44-1 | 12342 | 12786 | 12692 | 12607 | 1.86 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1130 | 1250 | 1103 | 1161 | 6.73 | cps |
| Cobalt | 59-2 | 110 | 113 | 113 | 112 | 1.71 | cps |
| Copper | 63-2 | 910 | 857 | 897 | 888 | 3.13 | cps |
| Dysprosium | 156-1 | 67 | 63 | 70 | 67 | 5.00 | cps |
| Dysprosium | 156-2 | 10 | 10 | 13 | 11 | 17.30 | cps |
| Erbium | 164-1 | 87 | 57 | 50 | 64 | 30.31 | cps |
| Erbium | 164-2 | 33 | 37 | 33 | 34 | 5.60 | cps |
| Gadolinium | 160-1 | 27 | 37 | 47 | 37 | 27.27 | cps |
| Gadolinium | 160-2 | 227 | 233 | 257 | 239 | 6.59 | cps |
| Holmium | 165-1 | 9112190 | 9157903 | 8958619 | 9076237 | 1.15 | cps |
| Holmium | 165-2 | 6081116 | 6257239 | 6152068 | 6163474 | 1.44 | cps |
| Indium | 115-1 | 7883555 | 7927585 | 7881365 | 7897502 | 0.33 | cps |
| Indium | 115-2 | 2504925 | 2494365 | 2573216 | 2524169 | 1.70 | cps |
| Iron | 56-2 | 13690 | 13143 | 13062 | 13298 | 2.57 | cps |
| Iron | 57-2 | 1567 | 1430 | 1543 | 1513 | 4.83 | cps |
| Iron | 54-2 | 1497 | 1450 | 1457 | 1468 | 1.72 | cps |
| Krypton | 83-1 | 193 | 183 | 190 | 189 | 2.70 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S0 | Instrumnet Name : | P7 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:38:45 | DataFile Name : | 004CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 380 | 390 | 383 | 384 | 1.32 | cps |
| Lead | 207-1 | 320 | 333 | 367 | 340 | 7.07 | cps |
| Lead | 208-1 | 1600 | 1617 | 1630 | 1616 | 0.93 | cps |
| Lithium | 6-1 | 1480950 | 1485507 | 1490189 | 1485549 | 0.31 | cps |
| Magnesium | 24-2 | 420 | 373 | 400 | 398 | 5.89 | cps |
| Manganese | 55-2 | 440 | 413 | 473 | 442 | 6.80 | cps |
| Molybdenum | 94-1 | 240 | 263 | 263 | 256 | 5.27 | cps |
| Molybdenum | 95-1 | 160 | 170 | 160 | 163 | 3.53 | cps |
| Molybdenum | 96-1 | 170 | 233 | 183 | 196 | 17.07 | cps |
| Molybdenum | 97-1 | 133 | 113 | 110 | 119 | 10.62 | cps |
| Molybdenum | 98-1 | 237 | 253 | 217 | 236 | 7.79 | cps |
| Neodymium | 150-1 | 10 | 17 | 13 | 13 | 25.01 | cps |
| Neodymium | 150-2 | 3 | 7 | 7 | 6 | 34.70 | cps |
| Nickel | 60-2 | 327 | 293 | 367 | 329 | 11.16 | cps |
| Phosphorus | 31-2 | 143 | 107 | 143 | 131 | 16.15 | cps |
| Potassium | 39-2 | 47527 | 47357 | 46912 | 47265 | 0.67 | cps |
| Rhodium | 103-1 | 7546069 | 7518980 | 7365198 | 7476749 | 1.30 | cps |
| Rhodium | 103-2 | 4188553 | 4276436 | 4243153 | 4236047 | 1.05 | cps |
| Scandium | 45-1 | 4891222 | 4806325 | 4807264 | 4834937 | 1.01 | cps |
| Scandium | 45-2 | 356602 | 357132 | 356124 | 356619 | 0.14 | cps |
| Selenium | 82-1 | 266 | 291 | 279 | 279 | 4.46 | cps |
| Selenium | 77-2 | 0 | 0 | 3 | 1 | 173.21 | cps |
| Selenium | 78-2 | 193 | 200 | 220 | 204 | 6.79 | cps |
| Silicon | 28-1 | 304232 | 304179 | 306341 | 304917 | 0.40 | cps |
| Silver | 107-1 | 43 | 67 | 33 | 48 | 35.81 | cps |
| Silver | 109-1 | 40 | 23 | 23 | 29 | 33.32 | cps |
| Sodium | 23-2 | 9947 | 9496 | 9663 | 9702 | 2.35 | cps |
| Strontium | 86-1 | 353 | 300 | 330 | 328 | 8.16 | cps |
| Strontium | 88-1 | 360 | 303 | 303 | 322 | 10.15 | cps |
| Sulfur | 34-1 | 197306 | 197476 | 197006 | 197263 | 0.12 | cps |
| Terbium | 159-1 | 9381665 | 9606858 | 9548837 | 9512453 | 1.23 | cps |
| Terbium | 159-2 | 6328844 | 6197443 | 6138764 | 6221684 | 1.56 | cps |
| Thallium | 203-1 | 40 | 30 | 73 | 48 | 47.49 | cps |
| Thallium | 205-1 | 113 | 83 | 70 | 89 | 24.97 | cps |
| Tin | 118-1 | 937 | 957 | 967 | 953 | 1.60 | cps |
| Titanium | 47-1 | 127 | 107 | 127 | 120 | 9.62 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S0 | Instrumnet Name : | P7 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:38:45 | DataFile Name : | 004CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 13 | 13 | 13 | 13 | 0.00 | cps |
| Vanadium | 51-2 | 3 | 13 | 7 | 8 | 65.47 | cps |
| Yttrium | 89-1 | 10399535 | 10522549 | 10457929 | 10460004 | 0.59 | cps |
| Yttrium | 89-2 | 2435079 | 2453663 | 2404626 | 2431123 | 1.02 | cps |
| Zinc | 66-2 | 1043 | 870 | 943 | 952 | 9.14 | cps |
| Zirconium | 90-1 | 493 | 417 | 473 | 461 | 8.62 | cps |
| Zirconium | 91-1 | 110 | 97 | 80 | 96 | 15.73 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S2 | Instrumnet Name : | P7 |
| Client Sample ID : | S2 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:42:02 | DataFile Name : | 005CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2394 | 2680 | 2647 | 2574 | 6.09 | cps |
| Antimony | 121-1 | 12135 | 11922 | 11948 | 12002 | 0.97 | cps |
| Arsenic | 75-2 | 287 | 343 | 363 | 331 | 12.01 | cps |
| Barium | 135-1 | 13924 | 14097 | 14257 | 14093 | 1.18 | cps |
| Barium | 137-1 | 23920 | 25032 | 24378 | 24443 | 2.29 | cps |
| Beryllium | 9-1 | 1253 | 1363 | 1173 | 1263 | 7.55 | cps |
| Bismuth | 209-1 | 5390141 | 5416864 | 5382108 | 5396371 | 0.34 | cps |
| Bismuth | 209-2 | 4485714 | 4451000 | 4534248 | 4490321 | 0.93 | cps |
| Bromine | 81-1 | 7128 | 6882 | 6905 | 6972 | 1.95 | cps |
| Bromine | 81-2 | 43 | 37 | 33 | 38 | 13.48 | cps |
| Cadmium | 108-1 | 160 | 133 | 150 | 148 | 9.11 | cps |
| Cadmium | 106-1 | 2530 | 2424 | 2717 | 2557 | 5.81 | cps |
| Cadmium | 111-1 | 3136 | 3127 | 3530 | 3264 | 7.06 | cps |
| Calcium | 43-1 | 9216 | 9780 | 9583 | 9526 | 3.00 | cps |
| Calcium | 44-1 | 162080 | 162966 | 163297 | 162781 | 0.39 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 5875 | 5881 | 5775 | 5843 | 1.02 | cps |
| Cobalt | 59-2 | 3957 | 3991 | 3907 | 3952 | 1.06 | cps |
| Copper | 63-2 | 5991 | 5965 | 5768 | 5908 | 2.07 | cps |
| Dysprosium | 156-1 | 80 | 43 | 40 | 54 | 40.77 | cps |
| Dysprosium | 156-2 | 7 | 17 | 7 | 10 | 57.72 | cps |
| Erbium | 164-1 | 57 | 50 | 90 | 66 | 32.69 | cps |
| Erbium | 164-2 | 40 | 40 | 67 | 49 | 31.50 | cps |
| Gadolinium | 160-1 | 60 | 43 | 50 | 51 | 16.42 | cps |
| Gadolinium | 160-2 | 303 | 283 | 237 | 274 | 12.47 | cps |
| Holmium | 165-1 | 9179311 | 9340126 | 9395809 | 9305082 | 1.21 | cps |
| Holmium | 165-2 | 6208361 | 6353374 | 6452330 | 6338022 | 1.94 | cps |
| Indium | 115-1 | 7804608 | 7908207 | 8075707 | 7929507 | 1.73 | cps |
| Indium | 115-2 | 2568392 | 2529745 | 2545731 | 2547956 | 0.76 | cps |
| Iron | 56-2 | 117236 | 125660 | 116144 | 119680 | 4.35 | cps |
| Iron | 57-2 | 4361 | 4291 | 4304 | 4318 | 0.86 | cps |
| Iron | 54-2 | 7492 | 7502 | 7412 | 7469 | 0.66 | cps |
| Krypton | 83-1 | 193 | 187 | 203 | 194 | 4.31 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S2 | Instrumnet Name : | P7 |
| Client Sample ID : | S2 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:42:02 | DataFile Name : | 005CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 3934 | 4121 | 3781 | 3945 | 4.32 | cps |
| Lead | 207-1 | 3234 | 3434 | 3280 | 3316 | 3.16 | cps |
| Lead | 208-1 | 15487 | 15927 | 15174 | 15529 | 2.44 | cps |
| Lithium | 6-1 | 1480525 | 1488462 | 1516910 | 1495299 | 1.28 | cps |
| Magnesium | 24-2 | 104670 | 104620 | 104804 | 104698 | 0.09 | cps |
| Manganese | 55-2 | 2174 | 2103 | 2120 | 2132 | 1.72 | cps |
| Molybdenum | 94-1 | 12495 | 12616 | 12612 | 12574 | 0.54 | cps |
| Molybdenum | 95-1 | 15171 | 15341 | 15385 | 15299 | 0.74 | cps |
| Molybdenum | 96-1 | 16640 | 16726 | 17327 | 16898 | 2.22 | cps |
| Molybdenum | 97-1 | 9386 | 9730 | 9700 | 9605 | 1.98 | cps |
| Molybdenum | 98-1 | 24357 | 24965 | 24628 | 24650 | 1.24 | cps |
| Neodymium | 150-1 | 20 | 17 | 27 | 21 | 24.12 | cps |
| Neodymium | 150-2 | 3 | 13 | 3 | 7 | 86.65 | cps |
| Nickel | 60-2 | 1147 | 1307 | 1167 | 1207 | 7.23 | cps |
| Phosphorus | 31-2 | 383 | 317 | 310 | 337 | 12.04 | cps |
| Potassium | 39-2 | 175728 | 175573 | 175334 | 175545 | 0.11 | cps |
| Rhodium | 103-1 | 7480627 | 7557403 | 7882600 | 7640210 | 2.79 | cps |
| Rhodium | 103-2 | 4293121 | 4324527 | 4294472 | 4304040 | 0.41 | cps |
| Scandium | 45-1 | 4920203 | 4870874 | 5037781 | 4942953 | 1.73 | cps |
| Scandium | 45-2 | 368305 | 368781 | 364873 | 367319 | 0.58 | cps |
| Selenium | 82-1 | 746 | 803 | 794 | 781 | 3.94 | cps |
| Selenium | 77-2 | 20 | 73 | 37 | 43 | 62.96 | cps |
| Selenium | 78-2 | 353 | 397 | 323 | 358 | 10.31 | cps |
| Silicon | 28-1 | 319564 | 323271 | 322313 | 321716 | 0.60 | cps |
| Silver | 107-1 | 6955 | 7055 | 7175 | 7062 | 1.56 | cps |
| Silver | 109-1 | 6438 | 6662 | 6598 | 6566 | 1.75 | cps |
| Sodium | 23-2 | 175944 | 173496 | 176173 | 175204 | 0.85 | cps |
| Strontium | 86-1 | 2224 | 2337 | 2270 | 2277 | 2.50 | cps |
| Strontium | 88-1 | 17657 | 17808 | 17921 | 17795 | 0.74 | cps |
| Sulfur | 34-1 | 197769 | 198886 | 200544 | 199067 | 0.70 | cps |
| Terbium | 159-1 | 9530773 | 9306388 | 9809461 | 9548874 | 2.64 | cps |
| Terbium | 159-2 | 6367900 | 6140229 | 6395484 | 6301204 | 2.22 | cps |
| Thallium | 203-1 | 4424 | 4301 | 4541 | 4422 | 2.72 | cps |
| Thallium | 205-1 | 10297 | 10344 | 10287 | 10310 | 0.29 | cps |
| Tin | 118-1 | 24140 | 24788 | 25229 | 24719 | 2.22 | cps |
| Titanium | 47-1 | 4261 | 4347 | 4457 | 4355 | 2.26 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S2 | Instrumnet Name : | P7 |
| Client Sample ID : | S2 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:42:02 | DataFile Name : | 005CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 12763 | 12873 | 12926 | 12854 | 0.65 | cps |
| Vanadium | 51-2 | 10070 | 9803 | 10103 | 9992 | 1.65 | cps |
| Yttrium | 89-1 | 10714131 | 10675544 | 11013175 | 10800950 | 1.71 | cps |
| Yttrium | 89-2 | 2546829 | 2439284 | 2417505 | 2467873 | 2.81 | cps |
| Zinc | 66-2 | 3307 | 3270 | 3220 | 3266 | 1.33 | cps |
| Zirconium | 90-1 | 10484 | 10611 | 10377 | 10490 | 1.11 | cps |
| Zirconium | 91-1 | 2300 | 2290 | 2370 | 2320 | 1.88 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S3 | Instrumnet Name : | P7 |
| Client Sample ID : | S3 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:45:21 | DataFile Name : | 006CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 123993 | 125209 | 123408 | 124203 | 0.74 | cps |
| Antimony | 121-1 | 319505 | 327938 | 333054 | 326832 | 2.09 | cps |
| Arsenic | 75-2 | 17153 | 17334 | 16876 | 17121 | 1.35 | cps |
| Barium | 135-1 | 381494 | 389718 | 389114 | 386776 | 1.19 | cps |
| Barium | 137-1 | 659918 | 669565 | 673307 | 667597 | 1.03 | cps |
| Beryllium | 9-1 | 63362 | 64911 | 65822 | 64699 | 1.92 | cps |
| Bismuth | 209-1 | 5524379 | 5458509 | 5491996 | 5491628 | 0.60 | cps |
| Bismuth | 209-2 | 4573541 | 4540887 | 4480657 | 4531695 | 1.04 | cps |
| Bromine | 81-1 | 6742 | 7045 | 7188 | 6992 | 3.26 | cps |
| Bromine | 81-2 | 40 | 43 | 40 | 41 | 4.68 | cps |
| Cadmium | 108-1 | 6005 | 5975 | 6278 | 6086 | 2.75 | cps |
| Cadmium | 106-1 | 11274 | 11368 | 11335 | 11326 | 0.42 | cps |
| Cadmium | 111-1 | 84178 | 84636 | 86016 | 84943 | 1.13 | cps |
| Calcium | 43-1 | 111725 | 113044 | 113132 | 112633 | 0.70 | cps |
| Calcium | 44-1 | 1621149 | 1592053 | 1614733 | 1609312 | 0.95 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 127975 | 126996 | 125467 | 126813 | 1.00 | cps |
| Cobalt | 59-2 | 192709 | 194063 | 194559 | 193777 | 0.49 | cps |
| Copper | 63-2 | 1307120 | 1321488 | 1320196 | 1316268 | 0.60 | cps |
| Dysprosium | 156-1 | 43 | 70 | 67 | 60 | 24.22 | cps |
| Dysprosium | 156-2 | 20 | 33 | 33 | 29 | 26.64 | cps |
| Erbium | 164-1 | 77 | 70 | 83 | 77 | 8.69 | cps |
| Erbium | 164-2 | 33 | 57 | 27 | 39 | 40.51 | cps |
| Gadolinium | 160-1 | 63 | 63 | 43 | 57 | 20.38 | cps |
| Gadolinium | 160-2 | 253 | 247 | 330 | 277 | 16.74 | cps |
| Holmium | 165-1 | 9431209 | 9388451 | 9380769 | 9400143 | 0.29 | cps |
| Holmium | 165-2 | 6492381 | 6470993 | 6452578 | 6471984 | 0.31 | cps |
| Indium | 115-1 | 8039680 | 8005807 | 8135891 | 8060459 | 0.84 | cps |
| Indium | 115-2 | 2609621 | 2617871 | 2632224 | 2619905 | 0.44 | cps |
| Iron | 56-2 | 5324425 | 5228449 | 5241529 | 5264801 | 0.99 | cps |
| Iron | 57-2 | 140705 | 141334 | 139978 | 140673 | 0.48 | cps |
| Iron | 54-2 | 310314 | 310001 | 305793 | 308703 | 0.82 | cps |
| Krypton | 83-1 | 177 | 187 | 213 | 192 | 9.86 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S3 | Instrumnet Name : | P7 |
| Client Sample ID : | S3 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:45:21 | DataFile Name : | 006CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 942821 | 968366 | 958441 | 956542 | 1.35 | cps |
| Lead | 207-1 | 828280 | 847436 | 837253 | 837656 | 1.14 | cps |
| Lead | 208-1 | 4006417 | 4088599 | 4027622 | 4040879 | 1.06 | cps |
| Lithium | 6-1 | 1581986 | 1522106 | 1578365 | 1560819 | 2.15 | cps |
| Magnesium | 24-2 | 1142019 | 1133418 | 1144567 | 1140001 | 0.51 | cps |
| Manganese | 55-2 | 898782 | 894615 | 893205 | 895534 | 0.32 | cps |
| Molybdenum | 94-1 | 1236987 | 1243494 | 1256084 | 1245521 | 0.78 | cps |
| Molybdenum | 95-1 | 1782078 | 1793355 | 1809368 | 1794934 | 0.76 | cps |
| Molybdenum | 96-1 | 1971767 | 1977840 | 2042678 | 1997428 | 1.97 | cps |
| Molybdenum | 97-1 | 1113869 | 1123767 | 1125013 | 1120883 | 0.54 | cps |
| Molybdenum | 98-1 | 2869607 | 2868456 | 2863444 | 2867169 | 0.11 | cps |
| Neodymium | 150-1 | 13 | 33 | 27 | 24 | 41.66 | cps |
| Neodymium | 150-2 | 13 | 20 | 13 | 16 | 24.76 | cps |
| Nickel | 60-2 | 50304 | 50277 | 50180 | 50254 | 0.13 | cps |
| Phosphorus | 31-2 | 7439 | 7305 | 7192 | 7312 | 1.69 | cps |
| Potassium | 39-2 | 741809 | 747011 | 751284 | 746701 | 0.64 | cps |
| Rhodium | 103-1 | 7464047 | 7648111 | 7622618 | 7578259 | 1.32 | cps |
| Rhodium | 103-2 | 4332475 | 4342966 | 4266453 | 4313965 | 0.96 | cps |
| Scandium | 45-1 | 5005478 | 4926930 | 5047506 | 4993305 | 1.23 | cps |
| Scandium | 45-2 | 367359 | 369201 | 372189 | 369583 | 0.66 | cps |
| Selenium | 82-1 | 5797 | 5855 | 5666 | 5773 | 1.68 | cps |
| Selenium | 77-2 | 437 | 403 | 447 | 429 | 5.29 | cps |
| Selenium | 78-2 | 1943 | 1833 | 1803 | 1860 | 3.96 | cps |
| Silicon | 28-1 | 3462187 | 3470853 | 3484625 | 3472555 | 0.33 | cps |
| Silver | 107-1 | 408838 | 406123 | 415960 | 410307 | 1.24 | cps |
| Silver | 109-1 | 379170 | 390154 | 387278 | 385534 | 1.48 | cps |
| Sodium | 23-2 | 1733063 | 1753075 | 1709192 | 1731777 | 1.27 | cps |
| Strontium | 86-1 | 2712031 | 2650651 | 2655030 | 2672571 | 1.28 | cps |
| Strontium | 88-1 | 23521167 | 23094444 | 23118767 | 23244793 | 1.03 | cps |
| Sulfur | 34-1 | 232744 | 231893 | 232862 | 232499 | 0.23 | cps |
| Terbium | 159-1 | 9707014 | 9940525 | 9655753 | 9767764 | 1.55 | cps |
| Terbium | 159-2 | 6441638 | 6345781 | 6444247 | 6410555 | 0.88 | cps |
| Thallium | 203-1 | 237728 | 241481 | 241433 | 240214 | 0.90 | cps |
| Thallium | 205-1 | 568403 | 573347 | 572193 | 571315 | 0.45 | cps |
| Tin | 118-1 | 257086 | 261932 | 264710 | 261243 | 1.48 | cps |
| Titanium | 47-1 | 502051 | 505272 | 510946 | 506090 | 0.89 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S3 | Instrumnet Name : | P7 |
| Client Sample ID : | S3 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:45:21 | DataFile Name : | 006CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 706852 | 717579 | 720102 | 714844 | 0.98 | cps |
| Vanadium | 51-2 | 110122 | 110491 | 110296 | 110303 | 0.17 | cps |
| Yttrium | 89-1 | 10948961 | 10689612 | 10765042 | 10801205 | 1.24 | cps |
| Yttrium | 89-2 | 2493114 | 2498493 | 2518806 | 2503471 | 0.54 | cps |
| Zinc | 66-2 | 229228 | 225019 | 227014 | 227087 | 0.93 | cps |
| Zirconium | 90-1 | 581314 | 585442 | 597235 | 587997 | 1.41 | cps |
| Zirconium | 91-1 | 131672 | 131040 | 134853 | 132521 | 1.54 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S4 | Instrumnet Name : | P7 |
| Client Sample ID : | S4 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:48:28 | DataFile Name : | 007CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 319501 | 322160 | 323088 | 321583 | 0.58 | cps |
| Antimony | 121-1 | 829006 | 842971 | 836545 | 836174 | 0.84 | cps |
| Arsenic | 75-2 | 42374 | 43123 | 43243 | 42913 | 1.10 | cps |
| Barium | 135-1 | 985375 | 992521 | 993264 | 990387 | 0.44 | cps |
| Barium | 137-1 | 1755582 | 1768136 | 1797127 | 1773615 | 1.20 | cps |
| Beryllium | 9-1 | 166839 | 169642 | 167547 | 168009 | 0.87 | cps |
| Bismuth | 209-1 | 5507292 | 5384793 | 5439695 | 5443927 | 1.13 | cps |
| Bismuth | 209-2 | 4604468 | 4653709 | 4500574 | 4586250 | 1.70 | cps |
| Bromine | 81-1 | 6808 | 7055 | 6852 | 6905 | 1.91 | cps |
| Bromine | 81-2 | 20 | 37 | 27 | 28 | 30.20 | cps |
| Cadmium | 108-1 | 15258 | 15959 | 15999 | 15739 | 2.65 | cps |
| Cadmium | 106-1 | 24654 | 24678 | 24521 | 24618 | 0.34 | cps |
| Cadmium | 111-1 | 213067 | 215017 | 213222 | 213768 | 0.51 | cps |
| Calcium | 43-1 | 283186 | 288072 | 285091 | 285450 | 0.86 | cps |
| Calcium | 44-1 | 4029328 | 4180902 | 3998489 | 4069573 | 2.40 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 310166 | 314989 | 313147 | 312767 | 0.78 | cps |
| Cobalt | 59-2 | 477267 | 479987 | 481695 | 479650 | 0.47 | cps |
| Copper | 63-2 | 3371631 | 3321084 | 3394666 | 3362460 | 1.12 | cps |
| Dysprosium | 156-1 | 73 | 83 | 77 | 78 | 6.55 | cps |
| Dysprosium | 156-2 | 67 | 87 | 60 | 71 | 19.52 | cps |
| Erbium | 164-1 | 117 | 103 | 73 | 98 | 22.70 | cps |
| Erbium | 164-2 | 67 | 80 | 80 | 76 | 10.19 | cps |
| Gadolinium | 160-1 | 73 | 63 | 57 | 64 | 13.01 | cps |
| Gadolinium | 160-2 | 283 | 273 | 307 | 288 | 5.94 | cps |
| Holmium | 165-1 | 9526963 | 9548008 | 9343691 | 9472887 | 1.19 | cps |
| Holmium | 165-2 | 6515828 | 6569701 | 6476444 | 6520658 | 0.72 | cps |
| Indium | 115-1 | 8243194 | 8061346 | 8104043 | 8136194 | 1.17 | cps |
| Indium | 115-2 | 2554162 | 2526499 | 2535003 | 2538554 | 0.56 | cps |
| Iron | 56-2 | 12992636 | 13018765 | 13408279 | 13139894 | 1.77 | cps |
| Iron | 57-2 | 347511 | 345283 | 351641 | 348145 | 0.93 | cps |
| Iron | 54-2 | 760198 | 765997 | 771247 | 765814 | 0.72 | cps |
| Krypton | 83-1 | 240 | 193 | 213 | 216 | 10.86 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S4 | Instrumnet Name : | P7 |
| Client Sample ID : | S4 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:48:28 | DataFile Name : | 007CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2794781 | 2695867 | 2756007 | 2748885 | 1.81 | cps |
| Lead | 207-1 | 2441498 | 2414678 | 2399690 | 2418622 | 0.88 | cps |
| Lead | 208-1 | 10951175 | 10846602 | 10850686 | 10882821 | 0.54 | cps |
| Lithium | 6-1 | 1617546 | 1646399 | 1607025 | 1623657 | 1.26 | cps |
| Magnesium | 24-2 | 2713679 | 2736998 | 2676644 | 2709107 | 1.12 | cps |
| Manganese | 55-2 | 2143069 | 2179889 | 2191440 | 2171466 | 1.16 | cps |
| Molybdenum | 94-1 | 3111958 | 3166317 | 3145537 | 3141271 | 0.87 | cps |
| Molybdenum | 95-1 | 4578940 | 4582955 | 4634617 | 4598837 | 0.68 | cps |
| Molybdenum | 96-1 | 4995681 | 5055257 | 5031788 | 5027575 | 0.60 | cps |
| Molybdenum | 97-1 | 2861416 | 2905170 | 2880618 | 2882401 | 0.76 | cps |
| Molybdenum | 98-1 | 7201625 | 7222283 | 7306014 | 7243307 | 0.76 | cps |
| Neodymium | 150-1 | 47 | 50 | 100 | 66 | 45.57 | cps |
| Neodymium | 150-2 | 27 | 10 | 23 | 20 | 44.10 | cps |
| Nickel | 60-2 | 141440 | 141501 | 141837 | 141593 | 0.15 | cps |
| Phosphorus | 31-2 | 17700 | 18154 | 18294 | 18050 | 1.72 | cps |
| Potassium | 39-2 | 1662006 | 1652640 | 1661024 | 1658557 | 0.31 | cps |
| Rhodium | 103-1 | 7778119 | 7457783 | 7750065 | 7661989 | 2.32 | cps |
| Rhodium | 103-2 | 4395321 | 4333668 | 4248364 | 4325784 | 1.71 | cps |
| Scandium | 45-1 | 5014630 | 5049693 | 5006880 | 5023734 | 0.45 | cps |
| Scandium | 45-2 | 363988 | 360050 | 364297 | 362778 | 0.65 | cps |
| Selenium | 82-1 | 13930 | 14180 | 14199 | 14103 | 1.07 | cps |
| Selenium | 77-2 | 1210 | 1090 | 1180 | 1160 | 5.38 | cps |
| Selenium | 78-2 | 4201 | 4217 | 4127 | 4182 | 1.15 | cps |
| Silicon | 28-1 | 8079485 | 8251775 | 8138346 | 8156535 | 1.07 | cps |
| Silver | 107-1 | 1025917 | 1039546 | 1033343 | 1032935 | 0.66 | cps |
| Silver | 109-1 | 965284 | 990689 | 988539 | 981504 | 1.44 | cps |
| Sodium | 23-2 | 4290191 | 4254526 | 4149849 | 4231522 | 1.72 | cps |
| Strontium | 86-1 | 6726859 | 6804141 | 6674689 | 6735230 | 0.97 | cps |
| Strontium | 88-1 | 59490609 | 58975349 | 57965662 | 58810540 | 1.32 | cps |
| Sulfur | 34-1 | 273563 | 271231 | 271289 | 272028 | 0.49 | cps |
| Terbium | 159-1 | 9955171 | 9747310 | 9849288 | 9850589 | 1.06 | cps |
| Terbium | 159-2 | 6528669 | 6441206 | 6391240 | 6453705 | 1.08 | cps |
| Thallium | 203-1 | 619383 | 612691 | 619146 | 617074 | 0.62 | cps |
| Thallium | 205-1 | 1465892 | 1458330 | 1461765 | 1461995 | 0.26 | cps |
| Tin | 118-1 | 662311 | 670239 | 661196 | 664582 | 0.74 | cps |
| Titanium | 47-1 | 1276723 | 1261573 | 1255335 | 1264544 | 0.87 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S4 | Instrumnet Name : | P7 |
| Client Sample ID : | S4 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:48:28 | DataFile Name : | 007CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 2020338 | 2107179 | 2026683 | 2051400 | 2.36 | cps |
| Vanadium | 51-2 | 275501 | 273705 | 275195 | 274800 | 0.35 | cps |
| Yttrium | 89-1 | 11070395 | 10849438 | 10811062 | 10910298 | 1.28 | cps |
| Yttrium | 89-2 | 2545019 | 2435209 | 2428884 | 2469704 | 2.64 | cps |
| Zinc | 66-2 | 555159 | 561970 | 554709 | 557279 | 0.73 | cps |
| Zirconium | 90-1 | 1463848 | 1473229 | 1513786 | 1483621 | 1.79 | cps |
| Zirconium | 91-1 | 333579 | 334262 | 338418 | 335420 | 0.78 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S5 | Instrumnet Name : | P7 |
| Client Sample ID : | S5 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:51:26 | DataFile Name : | 008CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 588824 | 595354 | 591201 | 591793 | 0.56 | cps |
| Antimony | 121-1 | 1674335 | 1673638 | 1664032 | 1670668 | 0.34 | cps |
| Arsenic | 75-2 | 81378 | 81576 | 82853 | 81935 | 0.98 | cps |
| Barium | 135-1 | 2056251 | 2055950 | 2034396 | 2048866 | 0.61 | cps |
| Barium | 137-1 | 3482730 | 3552045 | 3465466 | 3500081 | 1.31 | cps |
| Beryllium | 9-1 | 327284 | 335048 | 338925 | 333752 | 1.78 | cps |
| Bismuth | 209-1 | 5489727 | 5429164 | 5674933 | 5531275 | 2.31 | cps |
| Bismuth | 209-2 | 4530419 | 4499180 | 4522115 | 4517238 | 0.36 | cps |
| Bromine | 81-1 | 7285 | 6745 | 7148 | 7060 | 3.98 | cps |
| Bromine | 81-2 | 37 | 40 | 43 | 40 | 8.32 | cps |
| Cadmium | 108-1 | 29323 | 30272 | 30242 | 29945 | 1.80 | cps |
| Cadmium | 106-1 | 45371 | 45638 | 45287 | 45432 | 0.40 | cps |
| Cadmium | 111-1 | 408559 | 414292 | 415333 | 412728 | 0.88 | cps |
| Calcium | 43-1 | 546950 | 561118 | 560429 | 556166 | 1.44 | cps |
| Calcium | 44-1 | 7705071 | 8072570 | 8031343 | 7936328 | 2.54 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 593682 | 601616 | 605538 | 600278 | 1.01 | cps |
| Cobalt | 59-2 | 914268 | 914504 | 922950 | 917241 | 0.54 | cps |
| Copper | 63-2 | 6415377 | 6433986 | 6389886 | 6413083 | 0.35 | cps |
| Dysprosium | 156-1 | 130 | 113 | 53 | 99 | 40.78 | cps |
| Dysprosium | 156-2 | 137 | 120 | 123 | 127 | 6.96 | cps |
| Erbium | 164-1 | 117 | 107 | 137 | 120 | 12.73 | cps |
| Erbium | 164-2 | 93 | 77 | 67 | 79 | 17.07 | cps |
| Gadolinium | 160-1 | 73 | 83 | 87 | 81 | 8.56 | cps |
| Gadolinium | 160-2 | 337 | 223 | 317 | 292 | 20.70 | cps |
| Holmium | 165-1 | 9630608 | 9369445 | 9723445 | 9574500 | 1.92 | cps |
| Holmium | 165-2 | 6428882 | 6408561 | 6543832 | 6460425 | 1.13 | cps |
| Indium | 115-1 | 8036456 | 8084997 | 7940479 | 8020644 | 0.92 | cps |
| Indium | 115-2 | 2512484 | 2521307 | 2532076 | 2521956 | 0.39 | cps |
| Iron | 56-2 | 25257827 | 25182767 | 25598010 | 25346202 | 0.87 | cps |
| Iron | 57-2 | 668110 | 663267 | 670532 | 667303 | 0.55 | cps |
| Iron | 54-2 | 1411441 | 1414424 | 1424951 | 1416939 | 0.50 | cps |
| Krypton | 83-1 | 210 | 183 | 183 | 192 | 8.01 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S5 | Instrumnet Name : | P7 |
| Client Sample ID : | S5 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:51:26 | DataFile Name : | 008CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 5336638 | 5403044 | 5504419 | 5414700 | 1.56 | cps |
| Lead | 207-1 | 4830745 | 4896081 | 4863360 | 4863395 | 0.67 | cps |
| Lead | 208-1 | 21307633 | 21965464 | 22029105 | 21767401 | 1.84 | cps |
| Lithium | 6-1 | 1649399 | 1630692 | 1679441 | 1653177 | 1.49 | cps |
| Magnesium | 24-2 | 5211798 | 5238357 | 5187997 | 5212717 | 0.48 | cps |
| Manganese | 55-2 | 4189299 | 4191559 | 4253049 | 4211302 | 0.86 | cps |
| Molybdenum | 94-1 | 6122643 | 6219019 | 6190551 | 6177404 | 0.80 | cps |
| Molybdenum | 95-1 | 8805970 | 8849698 | 8931484 | 8862384 | 0.72 | cps |
| Molybdenum | 96-1 | 9576648 | 9825093 | 9718267 | 9706669 | 1.28 | cps |
| Molybdenum | 97-1 | 5471022 | 5521145 | 5535718 | 5509295 | 0.62 | cps |
| Molybdenum | 98-1 | 14088359 | 14348443 | 14324400 | 14253734 | 1.01 | cps |
| Neodymium | 150-1 | 140 | 130 | 93 | 121 | 20.29 | cps |
| Neodymium | 150-2 | 30 | 27 | 53 | 37 | 39.62 | cps |
| Nickel | 60-2 | 269080 | 272995 | 268560 | 270212 | 0.90 | cps |
| Phosphorus | 31-2 | 34950 | 35013 | 34813 | 34925 | 0.29 | cps |
| Potassium | 39-2 | 3158797 | 3244422 | 3118900 | 3174040 | 2.02 | cps |
| Rhodium | 103-1 | 7412429 | 7563544 | 7479012 | 7484995 | 1.01 | cps |
| Rhodium | 103-2 | 4126672 | 4196062 | 4156235 | 4159656 | 0.84 | cps |
| Scandium | 45-1 | 4976371 | 5134295 | 5009598 | 5040088 | 1.65 | cps |
| Scandium | 45-2 | 351889 | 353751 | 352311 | 352650 | 0.28 | cps |
| Selenium | 82-1 | 27040 | 28000 | 27439 | 27493 | 1.76 | cps |
| Selenium | 77-2 | 2297 | 2320 | 2444 | 2354 | 3.35 | cps |
| Selenium | 78-2 | 7782 | 7735 | 7725 | 7748 | 0.39 | cps |
| Silicon | 28-1 | 16008172 | 16393667 | 16202086 | 16201309 | 1.19 | cps |
| Silver | 107-1 | 2000619 | 2109900 | 2093425 | 2067981 | 2.85 | cps |
| Silver | 109-1 | 1914352 | 1954801 | 1961995 | 1943716 | 1.32 | cps |
| Sodium | 23-2 | 8226121 | 8276329 | 8191017 | 8231156 | 0.52 | cps |
| Strontium | 86-1 | 12836414 | 13142592 | 12914049 | 12964352 | 1.23 | cps |
| Strontium | 88-1 | 112739198 | 114916242 | 114182345 | 113945928 | 0.97 | cps |
| Sulfur | 34-1 | 343478 | 340369 | 338309 | 340719 | 0.76 | cps |
| Terbium | 159-1 | 10082160 | 10057581 | 9699184 | 9946308 | 2.16 | cps |
| Terbium | 159-2 | 6441112 | 6541531 | 6381138 | 6454594 | 1.26 | cps |
| Thallium | 203-1 | 1217642 | 1227340 | 1234278 | 1226420 | 0.68 | cps |
| Thallium | 205-1 | 3219526 | 3266235 | 3214790 | 3233517 | 0.88 | cps |
| Tin | 118-1 | 1290720 | 1306134 | 1306760 | 1301205 | 0.70 | cps |
| Titanium | 47-1 | 2426341 | 2503882 | 2452056 | 2460760 | 1.61 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S5 | Instrumnet Name : | P7 |
| Client Sample ID : | S5 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:51:26 | DataFile Name : | 008CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 4032504 | 4155077 | 4128185 | 4105255 | 1.57 | cps |
| Vanadium | 51-2 | 527566 | 533854 | 533889 | 531769 | 0.68 | cps |
| Yttrium | 89-1 | 10659144 | 10604190 | 10496320 | 10586551 | 0.78 | cps |
| Yttrium | 89-2 | 2404480 | 2390052 | 2375756 | 2390096 | 0.60 | cps |
| Zinc | 66-2 | 1074834 | 1087200 | 1070077 | 1077370 | 0.82 | cps |
| Zirconium | 90-1 | 2937875 | 2945364 | 2927975 | 2937072 | 0.30 | cps |
| Zirconium | 91-1 | 646769 | 666368 | 653039 | 655392 | 1.53 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S6 | Instrumnet Name : | P7 |
| Client Sample ID : | S6 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:54:16 | DataFile Name : | 009CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1171261 | 1138158 | 1147443 | 1152288 | 1.48 | cps |
| Antimony | 121-1 | 3296932 | 3401073 | 3392693 | 3363566 | 1.72 | cps |
| Arsenic | 75-2 | 163048 | 160541 | 162775 | 162121 | 0.85 | cps |
| Barium | 135-1 | 3960583 | 4130922 | 4113381 | 4068295 | 2.30 | cps |
| Barium | 137-1 | 6939831 | 6950242 | 6964189 | 6951421 | 0.18 | cps |
| Beryllium | 9-1 | 656405 | 671281 | 676877 | 668188 | 1.58 | cps |
| Bismuth | 209-1 | 5622299 | 5434658 | 5579697 | 5545552 | 1.77 | cps |
| Bismuth | 209-2 | 4467545 | 4470896 | 4448877 | 4462440 | 0.27 | cps |
| Bromine | 81-1 | 7272 | 6878 | 6908 | 7020 | 3.12 | cps |
| Bromine | 81-2 | 47 | 30 | 40 | 39 | 21.57 | cps |
| Cadmium | 108-1 | 58343 | 59639 | 60191 | 59391 | 1.60 | cps |
| Cadmium | 106-1 | 87689 | 87559 | 88092 | 87780 | 0.32 | cps |
| Cadmium | 111-1 | 792537 | 822070 | 823312 | 812640 | 2.14 | cps |
| Calcium | 43-1 | 1090816 | 1126481 | 1128355 | 1115218 | 1.90 | cps |
| Calcium | 44-1 | 15310413 | 15919651 | 15853542 | 15694535 | 2.13 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1177865 | 1191930 | 1170929 | 1180242 | 0.91 | cps |
| Cobalt | 59-2 | 1834542 | 1816537 | 1820351 | 1823810 | 0.52 | cps |
| Copper | 63-2 | 12659233 | 12214415 | 12404215 | 12425955 | 1.80 | cps |
| Dysprosium | 156-1 | 123 | 140 | 143 | 136 | 7.91 | cps |
| Dysprosium | 156-2 | 227 | 227 | 263 | 239 | 8.86 | cps |
| Erbium | 164-1 | 173 | 187 | 157 | 172 | 8.73 | cps |
| Erbium | 164-2 | 80 | 90 | 93 | 88 | 7.90 | cps |
| Gadolinium | 160-1 | 103 | 87 | 97 | 96 | 8.78 | cps |
| Gadolinium | 160-2 | 313 | 287 | 297 | 299 | 4.51 | cps |
| Holmium | 165-1 | 9568882 | 9789270 | 9707909 | 9688687 | 1.15 | cps |
| Holmium | 165-2 | 6660193 | 6527457 | 6424593 | 6537414 | 1.81 | cps |
| Indium | 115-1 | 7847763 | 7949767 | 8054895 | 7950808 | 1.30 | cps |
| Indium | 115-2 | 2453796 | 2501683 | 2495720 | 2483733 | 1.05 | cps |
| Iron | 56-2 | 50870706 | 50602709 | 50121569 | 50531661 | 0.75 | cps |
| Iron | 57-2 | 1323272 | 1314952 | 1320222 | 1319482 | 0.32 | cps |
| Iron | 54-2 | 2728771 | 2784907 | 2729653 | 2747777 | 1.17 | cps |
| Krypton | 83-1 | 190 | 217 | 200 | 202 | 6.66 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S6 | Instrumnet Name : | P7 |
| Client Sample ID : | S6 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:54:16 | DataFile Name : | 009CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10580800 | 10828732 | 10809786 | 10739773 | 1.28 | cps |
| Lead | 207-1 | 9215537 | 9670431 | 9583289 | 9489752 | 2.54 | cps |
| Lead | 208-1 | 42195570 | 43223846 | 43309456 | 42909624 | 1.44 | cps |
| Lithium | 6-1 | 1686276 | 1696830 | 1697044 | 1693383 | 0.36 | cps |
| Magnesium | 24-2 | 10391791 | 10233618 | 10272553 | 10299321 | 0.80 | cps |
| Manganese | 55-2 | 8377421 | 8364343 | 8249040 | 8330268 | 0.85 | cps |
| Molybdenum | 94-1 | 12049773 | 12164971 | 12472924 | 12229222 | 1.79 | cps |
| Molybdenum | 95-1 | 17045091 | 18080923 | 17894307 | 17673440 | 3.12 | cps |
| Molybdenum | 96-1 | 19170824 | 19495929 | 19176946 | 19281233 | 0.96 | cps |
| Molybdenum | 97-1 | 10717939 | 11243959 | 11259174 | 11073691 | 2.78 | cps |
| Molybdenum | 98-1 | 27219583 | 29211255 | 29124860 | 28518566 | 3.95 | cps |
| Neodymium | 150-1 | 183 | 250 | 240 | 224 | 16.02 | cps |
| Neodymium | 150-2 | 97 | 63 | 50 | 70 | 34.34 | cps |
| Nickel | 60-2 | 460721 | 463030 | 462277 | 462010 | 0.25 | cps |
| Phosphorus | 31-2 | 68522 | 66714 | 66949 | 67395 | 1.46 | cps |
| Potassium | 39-2 | 6180857 | 6167198 | 5928085 | 6092046 | 2.33 | cps |
| Rhodium | 103-1 | 7422675 | 7344705 | 7417763 | 7395048 | 0.59 | cps |
| Rhodium | 103-2 | 4084055 | 4194711 | 4019261 | 4099342 | 2.16 | cps |
| Scandium | 45-1 | 4927631 | 4852347 | 4927561 | 4902513 | 0.89 | cps |
| Scandium | 45-2 | 348859 | 347535 | 343031 | 346475 | 0.88 | cps |
| Selenium | 82-1 | 52561 | 54048 | 54504 | 53704 | 1.89 | cps |
| Selenium | 77-2 | 4614 | 4387 | 4451 | 4484 | 2.61 | cps |
| Selenium | 78-2 | 15241 | 14691 | 15084 | 15005 | 1.89 | cps |
| Silicon | 28-1 | 31459401 | 32518121 | 31913353 | 31963625 | 1.66 | cps |
| Silver | 107-1 | 3927583 | 4083496 | 4094385 | 4035155 | 2.31 | cps |
| Silver | 109-1 | 3853560 | 3813681 | 3798693 | 3821978 | 0.74 | cps |
| Sodium | 23-2 | 16439898 | 16028055 | 16323597 | 16263850 | 1.31 | cps |
| Strontium | 86-1 | 25648655 | 26632675 | 26369244 | 26216858 | 1.94 | cps |
| Strontium | 88-1 | 221778890 | 234023543 | 228595170 | 228132534 | 2.69 | cps |
| Sulfur | 34-1 | 483886 | 491305 | 488616 | 487936 | 0.77 | cps |
| Terbium | 159-1 | 9749638 | 10069448 | 10175707 | 9998264 | 2.22 | cps |
| Terbium | 159-2 | 6482853 | 6445506 | 6605730 | 6511363 | 1.29 | cps |
| Thallium | 203-1 | 2741556 | 2805087 | 2743259 | 2763301 | 1.31 | cps |
| Thallium | 205-1 | 6286395 | 6379100 | 6548982 | 6404826 | 2.08 | cps |
| Tin | 118-1 | 2612070 | 2692875 | 2704361 | 2669769 | 1.88 | cps |
| Titanium | 47-1 | 4805375 | 4955130 | 4913108 | 4891204 | 1.58 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S6 | Instrumnet Name : | P7 |
| Client Sample ID : | S6 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:54:16 | DataFile Name : | 009CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7966242 | 8108716 | 8143646 | 8072868 | 1.16 | cps |
| Vanadium | 51-2 | 1044750 | 1046707 | 1039788 | 1043748 | 0.34 | cps |
| Yttrium | 89-1 | 10919243 | 10785077 | 10539340 | 10747887 | 1.79 | cps |
| Yttrium | 89-2 | 2364491 | 2433726 | 2390313 | 2396177 | 1.46 | cps |
| Zinc | 66-2 | 2170648 | 2105539 | 2174087 | 2150091 | 1.80 | cps |
| Zirconium | 90-1 | 5723478 | 5806902 | 5936129 | 5822170 | 1.84 | cps |
| Zirconium | 91-1 | 1284066 | 1320189 | 1329299 | 1311185 | 1.82 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S7 | Instrumnet Name : | P7 |
| Client Sample ID : | S7 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:57:06 | DataFile Name : | 010CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2268977 | 2277842 | 2251872 | 2266230 | 0.58 | cps |
| Antimony | 121-1 | 6755130 | 6942828 | 6828522 | 6842160 | 1.38 | cps |
| Arsenic | 75-2 | 328825 | 325672 | 324944 | 326480 | 0.63 | cps |
| Barium | 135-1 | 8248504 | 8326589 | 8237817 | 8270970 | 0.59 | cps |
| Barium | 137-1 | 13835019 | 14415259 | 14087478 | 14112585 | 2.06 | cps |
| Beryllium | 9-1 | 1195506 | 1237798 | 1224565 | 1219290 | 1.77 | cps |
| Bismuth | 209-1 | 5394699 | 5550144 | 5519217 | 5488020 | 1.50 | cps |
| Bismuth | 209-2 | 4484674 | 4526194 | 4488108 | 4499658 | 0.51 | cps |
| Bromine | 81-1 | 7048 | 7469 | 7175 | 7231 | 2.98 | cps |
| Bromine | 81-2 | 33 | 57 | 43 | 44 | 26.35 | cps |
| Cadmium | 108-1 | 116460 | 118298 | 117408 | 117389 | 0.78 | cps |
| Cadmium | 106-1 | 169068 | 169922 | 171810 | 170267 | 0.82 | cps |
| Cadmium | 111-1 | 1607518 | 1662293 | 1652912 | 1640908 | 1.79 | cps |
| Calcium | 43-1 | 2119135 | 2130563 | 2145327 | 2131675 | 0.62 | cps |
| Calcium | 44-1 | 31869825 | 32592505 | 31990390 | 32150906 | 1.20 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 2353194 | 2294486 | 2321862 | 2323181 | 1.26 | cps |
| Cobalt | 59-2 | 3591933 | 3611680 | 3556158 | 3586591 | 0.78 | cps |
| Copper | 63-2 | 24666460 | 24107375 | 24025274 | 24266370 | 1.44 | cps |
| Dysprosium | 156-1 | 227 | 267 | 210 | 234 | 12.42 | cps |
| Dysprosium | 156-2 | 403 | 317 | 397 | 372 | 12.96 | cps |
| Erbium | 164-1 | 193 | 237 | 187 | 206 | 13.21 | cps |
| Erbium | 164-2 | 150 | 123 | 133 | 136 | 9.94 | cps |
| Gadolinium | 160-1 | 167 | 137 | 163 | 156 | 10.57 | cps |
| Gadolinium | 160-2 | 390 | 363 | 397 | 383 | 4.60 | cps |
| Holmium | 165-1 | 9664998 | 9771751 | 9678056 | 9704935 | 0.60 | cps |
| Holmium | 165-2 | 6750208 | 6582701 | 6661108 | 6664672 | 1.26 | cps |
| Indium | 115-1 | 7868498 | 7842694 | 8004395 | 7905196 | 1.10 | cps |
| Indium | 115-2 | 2489935 | 2508387 | 2490707 | 2496343 | 0.42 | cps |
| Iron | 56-2 | 99360442 | 99999779 | 98871115 | 99410445 | 0.57 | cps |
| Iron | 57-2 | 2488509 | 2491484 | 2489797 | 2489930 | 0.06 | cps |
| Iron | 54-2 | 5542689 | 5563759 | 5495955 | 5534134 | 0.63 | cps |
| Krypton | 83-1 | 183 | 193 | 223 | 200 | 10.41 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S7 | Instrumnet Name : | P7 |
| Client Sample ID : | S7 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:57:06 | DataFile Name : | 010CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 21082223 | 21595654 | 21249147 | 21309008 | 1.23 | cps |
| Lead | 207-1 | 18917009 | 19262870 | 19203831 | 19127903 | 0.97 | cps |
| Lead | 208-1 | 84624946 | 87049388 | 86360731 | 86011688 | 1.45 | cps |
| Lithium | 6-1 | 1649142 | 1679237 | 1671566 | 1666648 | 0.94 | cps |
| Magnesium | 24-2 | 20505755 | 20797428 | 20659686 | 20654290 | 0.71 | cps |
| Manganese | 55-2 | 16733268 | 16357456 | 16608647 | 16566457 | 1.16 | cps |
| Molybdenum | 94-1 | 24659002 | 24931497 | 25166301 | 24918934 | 1.02 | cps |
| Molybdenum | 95-1 | 36182597 | 36396702 | 36222800 | 36267366 | 0.31 | cps |
| Molybdenum | 96-1 | 39302699 | 39432981 | 39422363 | 39386014 | 0.18 | cps |
| Molybdenum | 97-1 | 22344724 | 22134421 | 22165932 | 22215026 | 0.51 | cps |
| Molybdenum | 98-1 | 56920956 | 57692409 | 58602047 | 57738471 | 1.46 | cps |
| Neodymium | 150-1 | 393 | 420 | 387 | 400 | 4.41 | cps |
| Neodymium | 150-2 | 107 | 130 | 100 | 112 | 14.04 | cps |
| Nickel | 60-2 | 911157 | 898070 | 898158 | 902461 | 0.83 | cps |
| Phosphorus | 31-2 | 138040 | 135984 | 135029 | 136351 | 1.13 | cps |
| Potassium | 39-2 | 12455423 | 12227108 | 12260054 | 12314195 | 1.00 | cps |
| Rhodium | 103-1 | 7303317 | 7360303 | 7379409 | 7347676 | 0.54 | cps |
| Rhodium | 103-2 | 4177956 | 4142059 | 4115145 | 4145053 | 0.76 | cps |
| Scandium | 45-1 | 5084868 | 5041691 | 4956500 | 5027686 | 1.30 | cps |
| Scandium | 45-2 | 353380 | 353397 | 352010 | 352929 | 0.23 | cps |
| Selenium | 82-1 | 106531 | 107167 | 107279 | 106993 | 0.38 | cps |
| Selenium | 77-2 | 8873 | 8813 | 8833 | 8839 | 0.35 | cps |
| Selenium | 78-2 | 29553 | 29162 | 30000 | 29572 | 1.42 | cps |
| Silicon | 28-1 | 62215329 | 61859327 | 61630031 | 61901562 | 0.48 | cps |
| Silver | 107-1 | 8010379 | 7918678 | 7975114 | 7968057 | 0.58 | cps |
| Silver | 109-1 | 7589089 | 7554143 | 7569759 | 7570997 | 0.23 | cps |
| Sodium | 23-2 | 32715705 | 33018537 | 32966122 | 32900121 | 0.49 | cps |
| Strontium | 86-1 | 52032644 | 53764044 | 52438033 | 52744907 | 1.72 | cps |
| Strontium | 88-1 | 463050233 | 460250060 | 456299753 | 459866682 | 0.74 | cps |
| Sulfur | 34-1 | 776047 | 787090 | 785431 | 782856 | 0.76 | cps |
| Terbium | 159-1 | 9846020 | 10019182 | 9972521 | 9945908 | 0.90 | cps |
| Terbium | 159-2 | 6667112 | 6613090 | 6581996 | 6620733 | 0.65 | cps |
| Thallium | 203-1 | 5385265 | 5579731 | 5451066 | 5472021 | 1.81 | cps |
| Thallium | 205-1 | 12812536 | 13010540 | 13060120 | 12961065 | 1.01 | cps |
| Tin | 118-1 | 5223711 | 5343186 | 5319430 | 5295442 | 1.19 | cps |
| Titanium | 47-1 | 9567537 | 10043497 | 9836700 | 9815911 | 2.43 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S7 | Instrumnet Name : | P7 |
| Client Sample ID : | S7 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:57:06 | DataFile Name : | 010CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 16315910 | 17194376 | 17189277 | 16899854 | 2.99 | cps |
| Vanadium | 51-2 | 2060613 | 2097375 | 2016599 | 2058196 | 1.96 | cps |
| Yttrium | 89-1 | 11069792 | 10795136 | 10929937 | 10931621 | 1.26 | cps |
| Yttrium | 89-2 | 2444778 | 2427254 | 2449848 | 2440627 | 0.49 | cps |
| Zinc | 66-2 | 4211333 | 4145080 | 4078432 | 4144948 | 1.60 | cps |
| Zirconium | 90-1 | 11771814 | 11744108 | 11800742 | 11772222 | 0.24 | cps |
| Zirconium | 91-1 | 2596190 | 2660024 | 2666356 | 2640856 | 1.47 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S8 | Instrumnet Name : | P7 |
| Client Sample ID : | S8 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:59:52 | DataFile Name : | 011CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 11358882 | 11073653 | 11449319 | 11293952 | 1.74 | cps |
| Antimony | 121-1 | 4928 | 5181 | 5411 | 5173 | 4.67 | cps |
| Arsenic | 75-2 | 187 | 227 | 153 | 189 | 19.44 | cps |
| Barium | 135-1 | 3007 | 3340 | 3157 | 3168 | 5.27 | cps |
| Barium | 137-1 | 5658 | 5908 | 5478 | 5681 | 3.80 | cps |
| Beryllium | 9-1 | 220 | 220 | 227 | 222 | 1.73 | cps |
| Bismuth | 209-1 | 4980270 | 4892589 | 4808800 | 4893886 | 1.75 | cps |
| Bismuth | 209-2 | 4150058 | 4039838 | 4045957 | 4078618 | 1.52 | cps |
| Bromine | 81-1 | 7709 | 7932 | 8039 | 7893 | 2.13 | cps |
| Bromine | 81-2 | 87 | 80 | 73 | 80 | 8.34 | cps |
| Cadmium | 108-1 | 83 | 80 | 73 | 79 | 6.45 | cps |
| Cadmium | 106-1 | 2390 | 2480 | 2440 | 2437 | 1.85 | cps |
| Cadmium | 111-1 | 1962 | 2047 | 2047 | 2018 | 2.44 | cps |
| Calcium | 43-1 | 8910809 | 8921629 | 8785009 | 8872482 | 0.86 | cps |
| Calcium | 44-1 | 142578505 | 143752855 | 141222388 | 142517916 | 0.89 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 10597 | 10767 | 11004 | 10790 | 1.89 | cps |
| Cobalt | 59-2 | 8806 | 8943 | 9240 | 8996 | 2.46 | cps |
| Copper | 63-2 | 6085 | 6151 | 6131 | 6122 | 0.56 | cps |
| Dysprosium | 156-1 | 277 | 283 | 243 | 268 | 8.00 | cps |
| Dysprosium | 156-2 | 230 | 163 | 223 | 206 | 17.86 | cps |
| Erbium | 164-1 | 257 | 247 | 283 | 262 | 7.23 | cps |
| Erbium | 164-2 | 153 | 163 | 150 | 156 | 4.46 | cps |
| Gadolinium | 160-1 | 250 | 240 | 260 | 250 | 4.00 | cps |
| Gadolinium | 160-2 | 397 | 420 | 360 | 392 | 7.71 | cps |
| Holmium | 165-1 | 9384219 | 9567186 | 9269898 | 9407101 | 1.59 | cps |
| Holmium | 165-2 | 6469830 | 6241931 | 6391462 | 6367741 | 1.82 | cps |
| Indium | 115-1 | 7480162 | 7292411 | 7377885 | 7383486 | 1.27 | cps |
| Indium | 115-2 | 2352434 | 2384568 | 2392730 | 2376577 | 0.90 | cps |
| Iron | 56-2 | 465065993 | 463504406 | 474796540 | 467788980 | 1.31 | cps |
| Iron | 57-2 | 11646372 | 11669664 | 11763524 | 11693187 | 0.53 | cps |
| Iron | 54-2 | 25136165 | 25858037 | 25160066 | 25384756 | 1.62 | cps |
| Krypton | 83-1 | 227 | 193 | 237 | 219 | 10.36 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S8 | Instrumnet Name : | P7 |
| Client Sample ID : | S8 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:59:52 | DataFile Name : | 011CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 6929 | 7205 | 7129 | 7087 | 2.02 | cps |
| Lead | 207-1 | 6121 | 6185 | 6128 | 6145 | 0.57 | cps |
| Lead | 208-1 | 28032 | 28625 | 28132 | 28263 | 1.12 | cps |
| Lithium | 6-1 | 1619025 | 1658849 | 1602332 | 1626735 | 1.78 | cps |
| Magnesium | 24-2 | 100770682 | 100305889 | 100794645 | 100623739 | 0.27 | cps |
| Manganese | 55-2 | 8903 | 9383 | 9420 | 9235 | 3.12 | cps |
| Molybdenum | 94-1 | 7212 | 7592 | 6805 | 7203 | 5.46 | cps |
| Molybdenum | 95-1 | 7619 | 7689 | 7725 | 7678 | 0.71 | cps |
| Molybdenum | 96-1 | 15178 | 14831 | 14694 | 14901 | 1.67 | cps |
| Molybdenum | 97-1 | 4764 | 4587 | 4634 | 4662 | 1.96 | cps |
| Molybdenum | 98-1 | 12289 | 11691 | 11254 | 11745 | 4.42 | cps |
| Neodymium | 150-1 | 100 | 97 | 107 | 101 | 5.04 | cps |
| Neodymium | 150-2 | 70 | 83 | 90 | 81 | 12.55 | cps |
| Nickel | 60-2 | 4381 | 4547 | 4687 | 4539 | 3.38 | cps |
| Phosphorus | 31-2 | 170 | 173 | 160 | 168 | 4.14 | cps |
| Potassium | 39-2 | 59150091 | 59278271 | 58961571 | 59129977 | 0.27 | cps |
| Rhodium | 103-1 | 6622325 | 6548057 | 6610675 | 6593686 | 0.61 | cps |
| Rhodium | 103-2 | 3722979 | 3754630 | 3715294 | 3730968 | 0.56 | cps |
| Scandium | 45-1 | 4890101 | 4924267 | 4830177 | 4881515 | 0.98 | cps |
| Scandium | 45-2 | 346803 | 349956 | 352287 | 349682 | 0.79 | cps |
| Selenium | 82-1 | 447 | 399 | 451 | 433 | 6.68 | cps |
| Selenium | 77-2 | 7 | 3 | 13 | 8 | 65.47 | cps |
| Selenium | 78-2 | 260 | 210 | 203 | 224 | 13.80 | cps |
| Silicon | 28-1 | 457765 | 453421 | 431770 | 447652 | 3.11 | cps |
| Silver | 107-1 | 1043 | 1093 | 977 | 1038 | 5.64 | cps |
| Silver | 109-1 | 1137 | 980 | 853 | 990 | 14.34 | cps |
| Sodium | 23-2 | 156752488 | 154295848 | 157969908 | 156339414 | 1.20 | cps |
| Strontium | 86-1 | 9647 | 9370 | 9156 | 9391 | 2.62 | cps |
| Strontium | 88-1 | 83630 | 78431 | 77429 | 79830 | 4.17 | cps |
| Sulfur | 34-1 | 179315 | 186135 | 187529 | 184326 | 2.38 | cps |
| Terbium | 159-1 | 9577941 | 9778235 | 9444850 | 9600342 | 1.75 | cps |
| Terbium | 159-2 | 6304791 | 6212446 | 6254487 | 6257241 | 0.74 | cps |
| Thallium | 203-1 | 710 | 503 | 517 | 577 | 20.06 | cps |
| Thallium | 205-1 | 1523 | 1273 | 1123 | 1307 | 15.47 | cps |
| Tin | 118-1 | 4684 | 4901 | 5388 | 4991 | 7.22 | cps |
| Titanium | 47-1 | 1983 | 1923 | 1960 | 1956 | 1.55 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | S8 | Instrumnet Name : | P7 |
| Client Sample ID : | S8 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 14:59:52 | DataFile Name : | 011CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1257 | 1137 | 1177 | 1190 | 5.13 | cps |
| Vanadium | 51-2 | 693 | 703 | 723 | 707 | 2.16 | cps |
| Yttrium | 89-1 | 10429400 | 10470758 | 10182832 | 10360997 | 1.50 | cps |
| Yttrium | 89-2 | 2370816 | 2394992 | 2341652 | 2369153 | 1.13 | cps |
| Zinc | 66-2 | 2697 | 2694 | 2834 | 2741 | 2.91 | cps |
| Zirconium | 90-1 | 6745 | 6485 | 6542 | 6590 | 2.08 | cps |
| Zirconium | 91-1 | 1443 | 1477 | 1450 | 1457 | 1.21 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICV01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 16:38:00 | DataFile Name : | 018ICV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 58545 | 57822 | 58177 | 58181 | 0.62 | cps |
| Antimony | 121-1 | 1223401 | 1247531 | 1264731 | 1245221 | 1.67 | cps |
| Arsenic | 75-2 | 64925 | 64570 | 62966 | 64154 | 1.63 | cps |
| Barium | 135-1 | 146159 | 150142 | 149846 | 148716 | 1.49 | cps |
| Barium | 137-1 | 252684 | 260058 | 262195 | 258313 | 1.93 | cps |
| Beryllium | 9-1 | 124500 | 125022 | 126480 | 125334 | 0.82 | cps |
| Bismuth | 209-1 | 5663486 | 5544483 | 5683799 | 5630589 | 1.34 | cps |
| Bismuth | 209-2 | 4652772 | 4670421 | 4536017 | 4619737 | 1.58 | cps |
| Bromine | 81-1 | 7595 | 7339 | 7412 | 7449 | 1.78 | cps |
| Bromine | 81-2 | 60 | 60 | 70 | 63 | 9.12 | cps |
| Cadmium | 108-1 | 16746 | 17230 | 16213 | 16730 | 3.04 | cps |
| Cadmium | 106-1 | 28201 | 27773 | 27439 | 27804 | 1.37 | cps |
| Cadmium | 111-1 | 165078 | 167118 | 168085 | 166760 | 0.92 | cps |
| Calcium | 43-1 | 42877 | 43489 | 43094 | 43153 | 0.72 | cps |
| Calcium | 44-1 | 653900 | 665377 | 665944 | 661741 | 1.03 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 236696 | 235690 | 233070 | 235152 | 0.80 | cps |
| Cobalt | 59-2 | 367335 | 366330 | 360750 | 364805 | 0.97 | cps |
| Copper | 63-2 | 255468 | 250772 | 249853 | 252031 | 1.19 | cps |
| Dysprosium | 156-1 | 23 | 40 | 50 | 38 | 35.67 | cps |
| Dysprosium | 156-2 | 17 | 10 | 17 | 14 | 26.66 | cps |
| Erbium | 164-1 | 73 | 97 | 77 | 82 | 15.35 | cps |
| Erbium | 164-2 | 30 | 63 | 50 | 48 | 35.11 | cps |
| Gadolinium | 160-1 | 30 | 57 | 40 | 42 | 31.91 | cps |
| Gadolinium | 160-2 | 337 | 213 | 253 | 268 | 23.50 | cps |
| Holmium | 165-1 | 9584800 | 9606227 | 9401395 | 9530807 | 1.18 | cps |
| Holmium | 165-2 | 6483193 | 6486948 | 6292429 | 6420857 | 1.73 | cps |
| Indium | 115-1 | 8219662 | 8112481 | 8183522 | 8171888 | 0.67 | cps |
| Indium | 115-2 | 2599292 | 2471879 | 2533306 | 2534826 | 2.51 | cps |
| Iron | 56-2 | 3895495 | 3886586 | 3874472 | 3885518 | 0.27 | cps |
| Iron | 57-2 | 102748 | 104027 | 104366 | 103714 | 0.82 | cps |
| Iron | 54-2 | 236841 | 235633 | 233536 | 235337 | 0.71 | cps |
| Krypton | 83-1 | 210 | 213 | 197 | 207 | 4.27 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICV01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 16:38:00 | DataFile Name : | 018ICV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 798062 | 815601 | 805176 | 806280 | 1.09 | cps |
| Lead | 207-1 | 680191 | 691996 | 685004 | 685731 | 0.87 | cps |
| Lead | 208-1 | 3287757 | 3318530 | 3368452 | 3324913 | 1.22 | cps |
| Lithium | 6-1 | 1528834 | 1609028 | 1631207 | 1589690 | 3.39 | cps |
| Magnesium | 24-2 | 238489 | 242430 | 239726 | 240215 | 0.84 | cps |
| Manganese | 55-2 | 171493 | 169729 | 167521 | 169581 | 1.17 | cps |
| Molybdenum | 94-1 | 10784369 | 11514639 | 10969320 | 11089443 | 3.42 | cps |
| Molybdenum | 95-1 | 15738054 | 16308115 | 15912510 | 15986226 | 1.83 | cps |
| Molybdenum | 96-1 | 17233141 | 17259630 | 16970992 | 17154588 | 0.93 | cps |
| Molybdenum | 97-1 | 9502532 | 9989065 | 9845148 | 9778915 | 2.56 | cps |
| Molybdenum | 98-1 | 24932333 | 25675989 | 25204579 | 25270967 | 1.49 | cps |
| Neodymium | 150-1 | 17 | 23 | 20 | 20 | 16.65 | cps |
| Neodymium | 150-2 | 3 | 13 | 10 | 9 | 57.30 | cps |
| Nickel | 60-2 | 102829 | 100058 | 100390 | 101092 | 1.50 | cps |
| Phosphorus | 31-2 | 140 | 147 | 130 | 139 | 6.04 | cps |
| Potassium | 39-2 | 558316 | 555383 | 552508 | 555402 | 0.52 | cps |
| Rhodium | 103-1 | 7712326 | 7948324 | 7657094 | 7772581 | 1.99 | cps |
| Rhodium | 103-2 | 4270681 | 4280085 | 4297560 | 4282775 | 0.32 | cps |
| Scandium | 45-1 | 5063048 | 5059909 | 5058676 | 5060544 | 0.04 | cps |
| Scandium | 45-2 | 366842 | 362681 | 358448 | 362657 | 1.16 | cps |
| Selenium | 82-1 | 21306 | 21531 | 21538 | 21458 | 0.62 | cps |
| Selenium | 77-2 | 1713 | 1820 | 1803 | 1779 | 3.23 | cps |
| Selenium | 78-2 | 5941 | 6165 | 6128 | 6078 | 1.97 | cps |
| Silicon | 28-1 | 2155971 | 2161637 | 2274839 | 2197482 | 3.05 | cps |
| Silver | 107-1 | 380430 | 384202 | 382611 | 382415 | 0.50 | cps |
| Silver | 109-1 | 355143 | 360257 | 362519 | 359307 | 1.05 | cps |
| Sodium | 23-2 | 684225 | 682554 | 675791 | 680857 | 0.66 | cps |
| Strontium | 86-1 | 1043656 | 1059214 | 1051705 | 1051525 | 0.74 | cps |
| Strontium | 88-1 | 9302643 | 9226032 | 9137493 | 9222056 | 0.90 | cps |
| Sulfur | 34-1 | 199865 | 197914 | 196284 | 198021 | 0.91 | cps |
| Terbium | 159-1 | 9913993 | 9590860 | 9763890 | 9756247 | 1.66 | cps |
| Terbium | 159-2 | 6443572 | 6333182 | 6366642 | 6381132 | 0.89 | cps |
| Thallium | 203-1 | 1030566 | 1038287 | 1032060 | 1033638 | 0.40 | cps |
| Thallium | 205-1 | 2697663 | 2735957 | 2711439 | 2715019 | 0.71 | cps |
| Tin | 118-1 | 2658035 | 2715006 | 2747820 | 2706954 | 1.68 | cps |
| Titanium | 47-1 | 4258192 | 4392703 | 4374682 | 4341859 | 1.68 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICV01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 16:38:00 | DataFile Name : | 018ICV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8193070 | 8540476 | 8442759 | 8392101 | 2.13 | cps |
| Vanadium | 51-2 | 203650 | 201217 | 200332 | 201733 | 0.85 | cps |
| Yttrium | 89-1 | 11159811 | 10777659 | 10900283 | 10945918 | 1.78 | cps |
| Yttrium | 89-2 | 2493831 | 2431672 | 2439888 | 2455130 | 1.38 | cps |
| Zinc | 66-2 | 88011 | 87950 | 86385 | 87448 | 1.05 | cps |
| Zirconium | 90-1 | 5445658 | 5701798 | 5527235 | 5558230 | 2.35 | cps |
| Zirconium | 91-1 | 1238646 | 1279376 | 1258728 | 1258916 | 1.62 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | LLICV | Instrumnet Name : | P7 |
| Client Sample ID : | LLICV | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:02:10 | DataFile Name : | 022LLIC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2697 | 2500 | 2704 | 2634 | 4.39 | cps |
| Antimony | 121-1 | 12819 | 12863 | 12606 | 12762 | 1.08 | cps |
| Arsenic | 75-2 | 263 | 363 | 390 | 339 | 19.70 | cps |
| Barium | 135-1 | 15141 | 15395 | 14761 | 15099 | 2.11 | cps |
| Barium | 137-1 | 26050 | 26141 | 26157 | 26116 | 0.22 | cps |
| Beryllium | 9-1 | 1283 | 1363 | 1290 | 1312 | 3.38 | cps |
| Bismuth | 209-1 | 5499800 | 5570519 | 5527251 | 5532523 | 0.64 | cps |
| Bismuth | 209-2 | 4581845 | 4593250 | 4610690 | 4595262 | 0.32 | cps |
| Bromine | 81-1 | 7782 | 7652 | 7762 | 7732 | 0.91 | cps |
| Bromine | 81-2 | 63 | 43 | 87 | 64 | 33.66 | cps |
| Cadmium | 108-1 | 117 | 170 | 140 | 142 | 18.80 | cps |
| Cadmium | 106-1 | 2570 | 2530 | 2390 | 2497 | 3.79 | cps |
| Cadmium | 111-1 | 3178 | 3336 | 3182 | 3232 | 2.79 | cps |
| Calcium | 43-1 | 10480 | 10357 | 10434 | 10424 | 0.60 | cps |
| Calcium | 44-1 | 172756 | 174042 | 173789 | 173529 | 0.39 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 5438 | 5548 | 5841 | 5609 | 3.72 | cps |
| Cobalt | 59-2 | 4184 | 4001 | 4194 | 4126 | 2.64 | cps |
| Copper | 63-2 | 6018 | 6285 | 5988 | 6097 | 2.68 | cps |
| Dysprosium | 156-1 | 37 | 33 | 23 | 31 | 22.31 | cps |
| Dysprosium | 156-2 | 7 | 7 | 17 | 10 | 57.72 | cps |
| Erbium | 164-1 | 43 | 117 | 67 | 76 | 49.59 | cps |
| Erbium | 164-2 | 47 | 40 | 53 | 47 | 14.28 | cps |
| Gadolinium | 160-1 | 40 | 50 | 50 | 47 | 12.37 | cps |
| Gadolinium | 160-2 | 283 | 263 | 260 | 269 | 4.69 | cps |
| Holmium | 165-1 | 9365537 | 9349544 | 9334103 | 9349728 | 0.17 | cps |
| Holmium | 165-2 | 6543470 | 6286882 | 6462567 | 6430973 | 2.04 | cps |
| Indium | 115-1 | 8214713 | 8093978 | 7970558 | 8093083 | 1.51 | cps |
| Indium | 115-2 | 2607087 | 2593782 | 2592997 | 2597955 | 0.30 | cps |
| Iron | 56-2 | 121748 | 121825 | 119107 | 120893 | 1.28 | cps |
| Iron | 57-2 | 4181 | 4384 | 4744 | 4436 | 6.43 | cps |
| Iron | 54-2 | 7675 | 7785 | 7649 | 7703 | 0.94 | cps |
| Krypton | 83-1 | 213 | 210 | 167 | 197 | 13.24 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | LLICV | Instrumnet Name : | P7 |
| Client Sample ID : | LLICV | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:02:10 | DataFile Name : | 022LLIC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 4004 | 3901 | 3751 | 3885 | 3.28 | cps |
| Lead | 207-1 | 3527 | 3420 | 3364 | 3437 | 2.41 | cps |
| Lead | 208-1 | 16177 | 15897 | 15657 | 15911 | 1.64 | cps |
| Lithium | 6-1 | 1512270 | 1535691 | 1556359 | 1534773 | 1.44 | cps |
| Magnesium | 24-2 | 112159 | 112505 | 112729 | 112464 | 0.26 | cps |
| Manganese | 55-2 | 2107 | 2094 | 2037 | 2079 | 1.79 | cps |
| Molybdenum | 94-1 | 13246 | 13663 | 14057 | 13655 | 2.97 | cps |
| Molybdenum | 95-1 | 16583 | 16446 | 16436 | 16488 | 0.50 | cps |
| Molybdenum | 96-1 | 18065 | 18525 | 18559 | 18383 | 1.50 | cps |
| Molybdenum | 97-1 | 10167 | 10167 | 9957 | 10097 | 1.20 | cps |
| Molybdenum | 98-1 | 26517 | 26163 | 26294 | 26325 | 0.68 | cps |
| Neodymium | 150-1 | 13 | 10 | 20 | 14 | 35.26 | cps |
| Neodymium | 150-2 | 0 | 3 | 7 | 3 | 100.05 | cps |
| Nickel | 60-2 | 1247 | 1107 | 1143 | 1166 | 6.23 | cps |
| Phosphorus | 31-2 | 407 | 337 | 340 | 361 | 10.94 | cps |
| Potassium | 39-2 | 185589 | 186012 | 187259 | 186287 | 0.47 | cps |
| Rhodium | 103-1 | 7795121 | 7769715 | 7647462 | 7737433 | 1.02 | cps |
| Rhodium | 103-2 | 4389145 | 4412146 | 4428305 | 4409865 | 0.45 | cps |
| Scandium | 45-1 | 5025603 | 5010341 | 5075226 | 5037057 | 0.67 | cps |
| Scandium | 45-2 | 369809 | 370199 | 373130 | 371046 | 0.49 | cps |
| Selenium | 82-1 | 803 | 857 | 895 | 852 | 5.45 | cps |
| Selenium | 77-2 | 37 | 33 | 67 | 46 | 40.30 | cps |
| Selenium | 78-2 | 303 | 367 | 417 | 362 | 15.68 | cps |
| Silicon | 28-1 | 328211 | 327480 | 328201 | 327964 | 0.13 | cps |
| Silver | 107-1 | 7599 | 7946 | 8142 | 7896 | 3.49 | cps |
| Silver | 109-1 | 7345 | 7225 | 7379 | 7316 | 1.10 | cps |
| Sodium | 23-2 | 190692 | 188813 | 190694 | 190067 | 0.57 | cps |
| Strontium | 86-1 | 2557 | 2524 | 2560 | 2547 | 0.80 | cps |
| Strontium | 88-1 | 19390 | 19416 | 19546 | 19451 | 0.43 | cps |
| Sulfur | 34-1 | 213161 | 213635 | 212523 | 213107 | 0.26 | cps |
| Terbium | 159-1 | 9832858 | 9468039 | 9946665 | 9749187 | 2.56 | cps |
| Terbium | 159-2 | 6434521 | 6409942 | 6393794 | 6412752 | 0.32 | cps |
| Thallium | 203-1 | 4551 | 4804 | 4621 | 4659 | 2.81 | cps |
| Thallium | 205-1 | 11088 | 11011 | 11221 | 11107 | 0.96 | cps |
| Tin | 118-1 | 26304 | 25927 | 26194 | 26142 | 0.74 | cps |
| Titanium | 47-1 | 4801 | 4824 | 4714 | 4780 | 1.21 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | LLICV | Instrumnet Name : | P7 |
| Client Sample ID : | LLICV | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:02:10 | DataFile Name : | 022LLIC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 13464 | 13897 | 13994 | 13785 | 2.05 | cps |
| Vanadium | 51-2 | 11214 | 11118 | 11011 | 11114 | 0.92 | cps |
| Yttrium | 89-1 | 10883117 | 10954406 | 10809024 | 10882183 | 0.67 | cps |
| Yttrium | 89-2 | 2560425 | 2509334 | 2520126 | 2529962 | 1.06 | cps |
| Zinc | 66-2 | 3054 | 3040 | 3040 | 3045 | 0.25 | cps |
| Zirconium | 90-1 | 11481 | 11558 | 11721 | 11587 | 1.06 | cps |
| Zirconium | 91-1 | 2444 | 2597 | 2580 | 2540 | 3.31 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICB01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:05:27 | DataFile Name : | 023CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 177 | 233 | 197 | 202 | 14.21 | cps |
| Antimony | 121-1 | 100 | 110 | 140 | 117 | 17.84 | cps |
| Arsenic | 75-2 | 7 | 7 | 10 | 8 | 24.71 | cps |
| Barium | 135-1 | 37 | 57 | 120 | 71 | 61.17 | cps |
| Barium | 137-1 | 130 | 87 | 107 | 108 | 20.12 | cps |
| Beryllium | 9-1 | 17 | 30 | 40 | 29 | 40.51 | cps |
| Bismuth | 209-1 | 5545337 | 5514264 | 5555992 | 5538531 | 0.39 | cps |
| Bismuth | 209-2 | 4669193 | 4604946 | 4647320 | 4640486 | 0.70 | cps |
| Bromine | 81-1 | 7762 | 7685 | 7489 | 7645 | 1.85 | cps |
| Bromine | 81-2 | 73 | 67 | 73 | 71 | 5.41 | cps |
| Cadmium | 108-1 | 0 | 10 | 10 | 7 | 86.60 | cps |
| Cadmium | 106-1 | 2397 | 2587 | 2377 | 2454 | 4.72 | cps |
| Cadmium | 111-1 | 1698 | 1827 | 1673 | 1733 | 4.77 | cps |
| Calcium | 43-1 | 330 | 320 | 343 | 331 | 3.53 | cps |
| Calcium | 44-1 | 10938 | 10621 | 10998 | 10852 | 1.87 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 510 | 570 | 603 | 561 | 8.43 | cps |
| Cobalt | 59-2 | 90 | 93 | 63 | 82 | 20.00 | cps |
| Copper | 63-2 | 760 | 797 | 747 | 768 | 3.37 | cps |
| Dysprosium | 156-1 | 23 | 33 | 43 | 33 | 30.00 | cps |
| Dysprosium | 156-2 | 10 | 3 | 17 | 10 | 66.70 | cps |
| Erbium | 164-1 | 63 | 97 | 63 | 74 | 25.86 | cps |
| Erbium | 164-2 | 43 | 37 | 70 | 50 | 35.28 | cps |
| Gadolinium | 160-1 | 50 | 60 | 47 | 52 | 13.28 | cps |
| Gadolinium | 160-2 | 350 | 323 | 247 | 307 | 17.49 | cps |
| Holmium | 165-1 | 9385725 | 9578090 | 9487560 | 9483791 | 1.01 | cps |
| Holmium | 165-2 | 6661051 | 6434010 | 6425127 | 6506729 | 2.06 | cps |
| Indium | 115-1 | 8270423 | 8090635 | 8145170 | 8168743 | 1.13 | cps |
| Indium | 115-2 | 2670400 | 2691957 | 2515268 | 2625875 | 3.67 | cps |
| Iron | 56-2 | 9960 | 9887 | 9733 | 9860 | 1.17 | cps |
| Iron | 57-2 | 1523 | 1537 | 1537 | 1532 | 0.50 | cps |
| Iron | 54-2 | 1287 | 1300 | 1217 | 1268 | 3.53 | cps |
| Krypton | 83-1 | 177 | 183 | 147 | 169 | 11.57 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICB01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:05:27 | DataFile Name : | 023CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 203 | 260 | 223 | 229 | 12.56 | cps |
| Lead | 207-1 | 230 | 183 | 233 | 216 | 12.97 | cps |
| Lead | 208-1 | 1077 | 1040 | 1050 | 1056 | 1.80 | cps |
| Lithium | 6-1 | 1578783 | 1556369 | 1543405 | 1559519 | 1.15 | cps |
| Magnesium | 24-2 | 447 | 370 | 370 | 396 | 11.19 | cps |
| Manganese | 55-2 | 197 | 280 | 293 | 257 | 20.41 | cps |
| Molybdenum | 94-1 | 270 | 270 | 220 | 253 | 11.40 | cps |
| Molybdenum | 95-1 | 60 | 107 | 77 | 81 | 29.16 | cps |
| Molybdenum | 96-1 | 187 | 143 | 120 | 150 | 22.55 | cps |
| Molybdenum | 97-1 | 63 | 43 | 83 | 63 | 31.58 | cps |
| Molybdenum | 98-1 | 123 | 147 | 173 | 148 | 16.93 | cps |
| Neodymium | 150-1 | 33 | 10 | 13 | 19 | 66.81 | cps |
| Neodymium | 150-2 | 7 | 13 | 3 | 8 | 65.47 | cps |
| Nickel | 60-2 | 147 | 173 | 227 | 182 | 22.35 | cps |
| Phosphorus | 31-2 | 77 | 103 | 137 | 106 | 28.48 | cps |
| Potassium | 39-2 | 48751 | 48350 | 48233 | 48445 | 0.56 | cps |
| Rhodium | 103-1 | 7945481 | 7828526 | 7814894 | 7862967 | 0.91 | cps |
| Rhodium | 103-2 | 4434271 | 4389636 | 4282699 | 4368869 | 1.78 | cps |
| Scandium | 45-1 | 5064730 | 5014644 | 5103815 | 5061063 | 0.88 | cps |
| Scandium | 45-2 | 375385 | 376785 | 369886 | 374018 | 0.98 | cps |
| Selenium | 82-1 | 364 | 333 | 322 | 340 | 6.38 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 167 | 153 | 250 | 190 | 27.57 | cps |
| Silicon | 28-1 | 306363 | 302520 | 306908 | 305264 | 0.78 | cps |
| Silver | 107-1 | 107 | 177 | 117 | 133 | 28.39 | cps |
| Silver | 109-1 | 97 | 70 | 70 | 79 | 19.52 | cps |
| Sodium | 23-2 | 10080 | 9917 | 9676 | 9891 | 2.05 | cps |
| Strontium | 86-1 | 340 | 347 | 340 | 342 | 1.13 | cps |
| Strontium | 88-1 | 277 | 277 | 343 | 299 | 12.88 | cps |
| Sulfur | 34-1 | 215061 | 212577 | 215734 | 214457 | 0.78 | cps |
| Terbium | 159-1 | 9916734 | 10030880 | 9934967 | 9960860 | 0.62 | cps |
| Terbium | 159-2 | 6474197 | 6446839 | 6353085 | 6424707 | 0.99 | cps |
| Thallium | 203-1 | 40 | 23 | 43 | 36 | 30.14 | cps |
| Thallium | 205-1 | 60 | 63 | 93 | 72 | 25.42 | cps |
| Tin | 118-1 | 920 | 857 | 930 | 902 | 4.41 | cps |
| Titanium | 47-1 | 113 | 103 | 133 | 117 | 13.10 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICB01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:05:27 | DataFile Name : | 023CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 27 | 20 | 17 | 21 | 24.12 | cps |
| Vanadium | 51-2 | 10 | 7 | 3 | 7 | 50.03 | cps |
| Yttrium | 89-1 | 11230578 | 11011316 | 11004159 | 11082018 | 1.16 | cps |
| Yttrium | 89-2 | 2549111 | 2506579 | 2489707 | 2515132 | 1.22 | cps |
| Zinc | 66-2 | 660 | 647 | 657 | 654 | 1.06 | cps |
| Zirconium | 90-1 | 523 | 510 | 537 | 523 | 2.55 | cps |
| Zirconium | 91-1 | 117 | 163 | 113 | 131 | 21.32 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICSA01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSA01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:08:48 | DataFile Name : | 024ICSA.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 10008454 | 10107307 | 9988108 | 10034623 | 0.64 | cps |
| Antimony | 121-1 | 6765 | 6938 | 7232 | 6978 | 3.38 | cps |
| Arsenic | 75-2 | 140 | 133 | 110 | 128 | 12.33 | cps |
| Barium | 135-1 | 2107 | 2317 | 2284 | 2236 | 5.05 | cps |
| Barium | 137-1 | 3891 | 3744 | 3827 | 3821 | 1.93 | cps |
| Beryllium | 9-1 | 423 | 377 | 390 | 397 | 6.06 | cps |
| Bismuth | 209-1 | 5460590 | 5483379 | 5435345 | 5459771 | 0.44 | cps |
| Bismuth | 209-2 | 4556100 | 4412373 | 4491687 | 4486720 | 1.60 | cps |
| Bromine | 81-1 | 8276 | 7822 | 7869 | 7989 | 3.12 | cps |
| Bromine | 81-2 | 160 | 137 | 173 | 157 | 11.85 | cps |
| Cadmium | 108-1 | 877 | 707 | 740 | 774 | 11.63 | cps |
| Cadmium | 106-1 | 2567 | 2304 | 2337 | 2402 | 5.97 | cps |
| Cadmium | 111-1 | 2143 | 2075 | 2081 | 2100 | 1.80 | cps |
| Calcium | 43-1 | 1780584 | 1765770 | 1745828 | 1764061 | 0.99 | cps |
| Calcium | 44-1 | 27958777 | 28492017 | 27718900 | 28056565 | 1.41 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 45512 | 45562 | 45214 | 45429 | 0.41 | cps |
| Cobalt | 59-2 | 4167 | 4224 | 4281 | 4224 | 1.34 | cps |
| Copper | 63-2 | 19626 | 19473 | 19600 | 19566 | 0.42 | cps |
| Dysprosium | 156-1 | 40 | 40 | 73 | 51 | 37.65 | cps |
| Dysprosium | 156-2 | 23 | 17 | 20 | 20 | 16.65 | cps |
| Erbium | 164-1 | 103 | 90 | 103 | 99 | 7.78 | cps |
| Erbium | 164-2 | 57 | 73 | 53 | 61 | 17.53 | cps |
| Gadolinium | 160-1 | 83 | 40 | 87 | 70 | 37.19 | cps |
| Gadolinium | 160-2 | 293 | 323 | 273 | 297 | 8.48 | cps |
| Holmium | 165-1 | 9672642 | 9721844 | 9679391 | 9691292 | 0.28 | cps |
| Holmium | 165-2 | 6727638 | 6560836 | 6556223 | 6614899 | 1.48 | cps |
| Indium | 115-1 | 7896200 | 7892474 | 7881126 | 7889933 | 0.10 | cps |
| Indium | 115-2 | 2445577 | 2452891 | 2531600 | 2476689 | 1.93 | cps |
| Iron | 56-2 | 186913057 | 185344504 | 185966504 | 186074688 | 0.42 | cps |
| Iron | 57-2 | 4665507 | 4606226 | 4597578 | 4623104 | 0.80 | cps |
| Iron | 54-2 | 10165783 | 10141974 | 10088835 | 10132198 | 0.39 | cps |
| Krypton | 83-1 | 233 | 220 | 183 | 212 | 12.20 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICSA01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSA01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:08:48 | DataFile Name : | 024ICSA.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 21283 | 20839 | 19751 | 20625 | 3.82 | cps |
| Lead | 207-1 | 17411 | 16844 | 15719 | 16658 | 5.17 | cps |
| Lead | 208-1 | 81595 | 78581 | 74583 | 78253 | 4.50 | cps |
| Lithium | 6-1 | 1633446 | 1752082 | 1710137 | 1698555 | 3.54 | cps |
| Magnesium | 24-2 | 18350893 | 17905666 | 17797086 | 18017882 | 1.63 | cps |
| Manganese | 55-2 | 13102 | 12622 | 12829 | 12851 | 1.88 | cps |
| Molybdenum | 94-1 | 3478693 | 3433623 | 3450845 | 3454387 | 0.66 | cps |
| Molybdenum | 95-1 | 6050303 | 6070282 | 6054122 | 6058236 | 0.18 | cps |
| Molybdenum | 96-1 | 6462258 | 6495229 | 6448718 | 6468735 | 0.37 | cps |
| Molybdenum | 97-1 | 3797441 | 3794897 | 3752653 | 3781664 | 0.67 | cps |
| Molybdenum | 98-1 | 9687251 | 9707975 | 9543026 | 9646084 | 0.93 | cps |
| Neodymium | 150-1 | 37 | 30 | 30 | 32 | 11.95 | cps |
| Neodymium | 150-2 | 17 | 23 | 27 | 22 | 22.91 | cps |
| Nickel | 60-2 | 5074 | 4894 | 5144 | 5038 | 2.56 | cps |
| Phosphorus | 31-2 | 627265 | 629283 | 621152 | 625900 | 0.68 | cps |
| Potassium | 39-2 | 22403116 | 22536075 | 22262787 | 22400659 | 0.61 | cps |
| Rhodium | 103-1 | 7426535 | 7295404 | 7127253 | 7283064 | 2.06 | cps |
| Rhodium | 103-2 | 4133023 | 3994242 | 4099337 | 4075534 | 1.78 | cps |
| Scandium | 45-1 | 5287510 | 5106127 | 4990161 | 5127933 | 2.92 | cps |
| Scandium | 45-2 | 350455 | 351513 | 348538 | 350169 | 0.43 | cps |
| Selenium | 82-1 | 342 | 302 | 343 | 329 | 7.03 | cps |
| Selenium | 77-2 | 7 | 3 | 3 | 4 | 43.40 | cps |
| Selenium | 78-2 | 207 | 197 | 187 | 197 | 5.08 | cps |
| Silicon | 28-1 | 382795 | 386296 | 382777 | 383956 | 0.53 | cps |
| Silver | 107-1 | 847 | 553 | 580 | 660 | 24.58 | cps |
| Silver | 109-1 | 740 | 510 | 450 | 567 | 27.02 | cps |
| Sodium | 23-2 | 30508785 | 29655891 | 30168260 | 30110979 | 1.43 | cps |
| Strontium | 86-1 | 67876 | 68264 | 68304 | 68148 | 0.35 | cps |
| Strontium | 88-1 | 602942 | 602763 | 603705 | 603137 | 0.08 | cps |
| Sulfur | 34-1 | 2993770 | 2951462 | 3004810 | 2983347 | 0.94 | cps |
| Terbium | 159-1 | 9856103 | 9944393 | 9971563 | 9924020 | 0.61 | cps |
| Terbium | 159-2 | 6629088 | 6375956 | 6442069 | 6482371 | 2.03 | cps |
| Thallium | 203-1 | 313 | 303 | 307 | 308 | 1.65 | cps |
| Thallium | 205-1 | 727 | 737 | 710 | 724 | 1.86 | cps |
| Tin | 118-1 | 1853 | 2020 | 2080 | 1985 | 5.92 | cps |
| Titanium | 47-1 | 1745872 | 1713806 | 1690143 | 1716607 | 1.63 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICSA01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSA01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:08:48 | DataFile Name : | 024ICSA.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 227 | 240 | 250 | 239 | 4.90 | cps |
| Vanadium | 51-2 | 350 | 343 | 380 | 358 | 5.46 | cps |
| Yttrium | 89-1 | 10805699 | 10760999 | 10685700 | 10750799 | 0.56 | cps |
| Yttrium | 89-2 | 2464520 | 2416494 | 2369577 | 2416864 | 1.96 | cps |
| Zinc | 66-2 | 5104 | 5168 | 4994 | 5089 | 1.72 | cps |
| Zirconium | 90-1 | 743 | 767 | 860 | 790 | 7.81 | cps |
| Zirconium | 91-1 | 200 | 153 | 153 | 169 | 15.95 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSAB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:11:51 | DataFile Name : | 025ICSB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 10159518 | 10092300 | 10403566 | 10218461 | 1.60 | cps |
| Antimony | 121-1 | 129400 | 133208 | 131834 | 131481 | 1.47 | cps |
| Arsenic | 75-2 | 6318 | 6295 | 6511 | 6375 | 1.87 | cps |
| Barium | 135-1 | 31588 | 32397 | 32287 | 32091 | 1.37 | cps |
| Barium | 137-1 | 54598 | 55337 | 56190 | 55375 | 1.44 | cps |
| Beryllium | 9-1 | 24466 | 25341 | 25761 | 25189 | 2.62 | cps |
| Bismuth | 209-1 | 5433160 | 5505586 | 5626399 | 5521715 | 1.77 | cps |
| Bismuth | 209-2 | 4413996 | 4480345 | 4383694 | 4426012 | 1.12 | cps |
| Bromine | 81-1 | 8332 | 8503 | 8799 | 8545 | 2.77 | cps |
| Bromine | 81-2 | 190 | 163 | 223 | 192 | 15.64 | cps |
| Cadmium | 108-1 | 3180 | 3304 | 3064 | 3183 | 3.77 | cps |
| Cadmium | 106-1 | 6165 | 6331 | 6198 | 6231 | 1.42 | cps |
| Cadmium | 111-1 | 32364 | 32949 | 32676 | 32663 | 0.90 | cps |
| Calcium | 43-1 | 1804453 | 1767366 | 1794063 | 1788627 | 1.07 | cps |
| Calcium | 44-1 | 28752751 | 28240013 | 29707671 | 28900145 | 2.58 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 91455 | 90926 | 88944 | 90442 | 1.46 | cps |
| Cobalt | 59-2 | 74082 | 72983 | 72276 | 73114 | 1.24 | cps |
| Copper | 63-2 | 67280 | 66042 | 66748 | 66690 | 0.93 | cps |
| Dysprosium | 156-1 | 33 | 50 | 37 | 40 | 22.05 | cps |
| Dysprosium | 156-2 | 17 | 37 | 20 | 24 | 43.83 | cps |
| Erbium | 164-1 | 93 | 80 | 93 | 89 | 8.66 | cps |
| Erbium | 164-2 | 53 | 73 | 47 | 58 | 24.02 | cps |
| Gadolinium | 160-1 | 50 | 60 | 67 | 59 | 14.25 | cps |
| Gadolinium | 160-2 | 250 | 340 | 260 | 283 | 17.41 | cps |
| Holmium | 165-1 | 9662234 | 9939887 | 9706555 | 9769559 | 1.53 | cps |
| Holmium | 165-2 | 6561694 | 6447488 | 6489159 | 6499447 | 0.89 | cps |
| Indium | 115-1 | 8143600 | 7959951 | 8044244 | 8049265 | 1.14 | cps |
| Indium | 115-2 | 2518843 | 2469466 | 2470293 | 2486201 | 1.14 | cps |
| Iron | 56-2 | 189426557 | 190796277 | 191162557 | 190461797 | 0.48 | cps |
| Iron | 57-2 | 4813664 | 4865846 | 4807746 | 4829085 | 0.66 | cps |
| Iron | 54-2 | 10498430 | 10343136 | 10289571 | 10377046 | 1.05 | cps |
| Krypton | 83-1 | 143 | 163 | 140 | 149 | 8.48 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSAB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:11:51 | DataFile Name : | 025ICSB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 98326 | 97698 | 98688 | 98237 | 0.51 | cps |
| Lead | 207-1 | 83622 | 81372 | 83102 | 82699 | 1.42 | cps |
| Lead | 208-1 | 379566 | 378183 | 385044 | 380931 | 0.95 | cps |
| Lithium | 6-1 | 1597436 | 1618157 | 1572151 | 1595915 | 1.44 | cps |
| Magnesium | 24-2 | 19316223 | 19633363 | 19521933 | 19490507 | 0.83 | cps |
| Manganese | 55-2 | 45793 | 45418 | 45405 | 45539 | 0.48 | cps |
| Molybdenum | 94-1 | 3742816 | 3856545 | 3846277 | 3815213 | 1.65 | cps |
| Molybdenum | 95-1 | 6299890 | 6325704 | 6427289 | 6350961 | 1.06 | cps |
| Molybdenum | 96-1 | 6823273 | 6895502 | 6818513 | 6845762 | 0.63 | cps |
| Molybdenum | 97-1 | 3814460 | 4037221 | 3861858 | 3904513 | 3.01 | cps |
| Molybdenum | 98-1 | 10031100 | 10200206 | 10205563 | 10145623 | 0.98 | cps |
| Neodymium | 150-1 | 23 | 47 | 57 | 42 | 40.52 | cps |
| Neodymium | 150-2 | 7 | 20 | 3 | 10 | 88.20 | cps |
| Nickel | 60-2 | 22357 | 22233 | 22133 | 22241 | 0.50 | cps |
| Phosphorus | 31-2 | 649361 | 647107 | 639331 | 645267 | 0.82 | cps |
| Potassium | 39-2 | 23165805 | 23400033 | 22842498 | 23136112 | 1.21 | cps |
| Rhodium | 103-1 | 7370268 | 7316546 | 7349390 | 7345401 | 0.37 | cps |
| Rhodium | 103-2 | 4123759 | 4142164 | 4182991 | 4149638 | 0.73 | cps |
| Scandium | 45-1 | 5056587 | 5025126 | 5100563 | 5060759 | 0.75 | cps |
| Scandium | 45-2 | 352726 | 355414 | 348548 | 352229 | 0.98 | cps |
| Selenium | 82-1 | 2379 | 2454 | 2373 | 2402 | 1.89 | cps |
| Selenium | 77-2 | 187 | 220 | 153 | 187 | 17.86 | cps |
| Selenium | 78-2 | 740 | 840 | 750 | 777 | 7.09 | cps |
| Silicon | 28-1 | 568926 | 579461 | 580451 | 576279 | 1.11 | cps |
| Silver | 107-1 | 142263 | 142808 | 145573 | 143548 | 1.24 | cps |
| Silver | 109-1 | 132577 | 135591 | 135439 | 134536 | 1.26 | cps |
| Sodium | 23-2 | 30447563 | 31199238 | 30836452 | 30827751 | 1.22 | cps |
| Strontium | 86-1 | 172788 | 178594 | 181487 | 177623 | 2.49 | cps |
| Strontium | 88-1 | 1545880 | 1548782 | 1597515 | 1564059 | 1.85 | cps |
| Sulfur | 34-1 | 2986692 | 2927743 | 2991769 | 2968735 | 1.20 | cps |
| Terbium | 159-1 | 10147842 | 10150133 | 10200737 | 10166237 | 0.29 | cps |
| Terbium | 159-2 | 6436906 | 6560515 | 6392611 | 6463344 | 1.35 | cps |
| Thallium | 203-1 | 100202 | 101586 | 103214 | 101667 | 1.48 | cps |
| Thallium | 205-1 | 237035 | 240664 | 241432 | 239710 | 0.98 | cps |
| Tin | 118-1 | 259539 | 264651 | 259647 | 261279 | 1.12 | cps |
| Titanium | 47-1 | 1758523 | 1792720 | 1785458 | 1778900 | 1.01 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB01 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSAB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:11:51 | DataFile Name : | 025ICSB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 738050 | 758078 | 755832 | 750653 | 1.46 | cps |
| Vanadium | 51-2 | 39077 | 40257 | 39832 | 39722 | 1.50 | cps |
| Yttrium | 89-1 | 11052495 | 10910602 | 11020739 | 10994612 | 0.68 | cps |
| Yttrium | 89-2 | 2451478 | 2427515 | 2471236 | 2450076 | 0.89 | cps |
| Zinc | 66-2 | 14460 | 14240 | 13820 | 14173 | 2.30 | cps |
| Zirconium | 90-1 | 564048 | 580698 | 578614 | 574453 | 1.58 | cps |
| Zirconium | 91-1 | 126667 | 129691 | 130188 | 128849 | 1.48 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV01 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:14:56 | DataFile Name : | 026CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5684984 | 5850497 | 5668424 | 5734635 | 1.76 | cps |
| Antimony | 121-1 | 3502500 | 3518839 | 3475722 | 3499020 | 0.62 | cps |
| Arsenic | 75-2 | 157739 | 158214 | 158446 | 158133 | 0.23 | cps |
| Barium | 135-1 | 4018916 | 4028829 | 4031427 | 4026391 | 0.16 | cps |
| Barium | 137-1 | 7053956 | 6958938 | 6885809 | 6966234 | 1.21 | cps |
| Beryllium | 9-1 | 631752 | 645215 | 642657 | 639875 | 1.12 | cps |
| Bismuth | 209-1 | 5511475 | 5441422 | 5439820 | 5464239 | 0.75 | cps |
| Bismuth | 209-2 | 4375203 | 4427774 | 4437410 | 4413462 | 0.76 | cps |
| Bromine | 81-1 | 7829 | 7635 | 7719 | 7728 | 1.26 | cps |
| Bromine | 81-2 | 63 | 60 | 50 | 58 | 12.01 | cps |
| Cadmium | 108-1 | 57446 | 57119 | 57089 | 57218 | 0.35 | cps |
| Cadmium | 106-1 | 84196 | 83740 | 84319 | 84085 | 0.36 | cps |
| Cadmium | 111-1 | 763796 | 768643 | 769299 | 767246 | 0.39 | cps |
| Calcium | 43-1 | 4772025 | 4904647 | 4782615 | 4819762 | 1.53 | cps |
| Calcium | 44-1 | 76885862 | 75938932 | 76058017 | 76294271 | 0.68 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1167756 | 1156136 | 1146997 | 1156963 | 0.90 | cps |
| Cobalt | 59-2 | 1750249 | 1729633 | 1703533 | 1727805 | 1.35 | cps |
| Copper | 63-2 | 11880136 | 11606823 | 11717762 | 11734907 | 1.17 | cps |
| Dysprosium | 156-1 | 257 | 247 | 200 | 234 | 12.90 | cps |
| Dysprosium | 156-2 | 230 | 280 | 267 | 259 | 10.00 | cps |
| Erbium | 164-1 | 163 | 250 | 217 | 210 | 20.82 | cps |
| Erbium | 164-2 | 143 | 190 | 163 | 166 | 14.14 | cps |
| Gadolinium | 160-1 | 167 | 237 | 167 | 190 | 21.27 | cps |
| Gadolinium | 160-2 | 317 | 407 | 367 | 363 | 12.41 | cps |
| Holmium | 165-1 | 9749828 | 9817083 | 9775392 | 9780768 | 0.35 | cps |
| Holmium | 165-2 | 6573132 | 6717782 | 6559235 | 6616716 | 1.33 | cps |
| Indium | 115-1 | 7910365 | 7913853 | 7843521 | 7889246 | 0.50 | cps |
| Indium | 115-2 | 2474902 | 2417877 | 2461431 | 2451404 | 1.22 | cps |
| Iron | 56-2 | 248304436 | 245457750 | 248210723 | 247324303 | 0.65 | cps |
| Iron | 57-2 | 6174097 | 5982177 | 6036873 | 6064382 | 1.63 | cps |
| Iron | 54-2 | 13408754 | 13216035 | 12994899 | 13206562 | 1.57 | cps |
| Krypton | 83-1 | 183 | 220 | 247 | 217 | 14.67 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV01 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:14:56 | DataFile Name : | 026CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10450537 | 10569583 | 10346885 | 10455668 | 1.07 | cps |
| Lead | 207-1 | 9357605 | 9404807 | 9283202 | 9348538 | 0.66 | cps |
| Lead | 208-1 | 41832354 | 41983875 | 42131279 | 41982503 | 0.36 | cps |
| Lithium | 6-1 | 1606757 | 1609136 | 1661741 | 1625878 | 1.91 | cps |
| Magnesium | 24-2 | 51057008 | 51912591 | 51671943 | 51547180 | 0.86 | cps |
| Manganese | 55-2 | 8102565 | 8187751 | 8068438 | 8119585 | 0.76 | cps |
| Molybdenum | 94-1 | 12286079 | 12308394 | 12238282 | 12277585 | 0.29 | cps |
| Molybdenum | 95-1 | 18168086 | 18261853 | 17834549 | 18088162 | 1.24 | cps |
| Molybdenum | 96-1 | 19681615 | 19488380 | 19771635 | 19647210 | 0.74 | cps |
| Molybdenum | 97-1 | 10900440 | 11074374 | 11215698 | 11063504 | 1.43 | cps |
| Molybdenum | 98-1 | 28677134 | 28995526 | 28503587 | 28725416 | 0.87 | cps |
| Neodymium | 150-1 | 277 | 257 | 250 | 261 | 5.32 | cps |
| Neodymium | 150-2 | 83 | 107 | 103 | 98 | 12.91 | cps |
| Nickel | 60-2 | 432668 | 437519 | 437407 | 435865 | 0.64 | cps |
| Phosphorus | 31-2 | 67883 | 67210 | 65914 | 67003 | 1.49 | cps |
| Potassium | 39-2 | 30455712 | 30440070 | 30066307 | 30320696 | 0.73 | cps |
| Rhodium | 103-1 | 7232242 | 6987121 | 7356303 | 7191888 | 2.61 | cps |
| Rhodium | 103-2 | 4082932 | 4010840 | 3964661 | 4019478 | 1.48 | cps |
| Scandium | 45-1 | 5189230 | 5098209 | 4983701 | 5090380 | 2.02 | cps |
| Scandium | 45-2 | 356389 | 357373 | 353783 | 355848 | 0.52 | cps |
| Selenium | 82-1 | 51373 | 51357 | 51981 | 51570 | 0.69 | cps |
| Selenium | 77-2 | 4201 | 4334 | 4441 | 4325 | 2.78 | cps |
| Selenium | 78-2 | 14287 | 14470 | 14110 | 14289 | 1.26 | cps |
| Silicon | 28-1 | 32794877 | 33404940 | 32904352 | 33034723 | 0.98 | cps |
| Silver | 107-1 | 3848688 | 3798461 | 3819281 | 3822143 | 0.66 | cps |
| Silver | 109-1 | 3677206 | 3575806 | 3655787 | 3636266 | 1.47 | cps |
| Sodium | 23-2 | 82232492 | 82135950 | 82102787 | 82157077 | 0.08 | cps |
| Strontium | 86-1 | 26344030 | 26658579 | 25831671 | 26278093 | 1.59 | cps |
| Strontium | 88-1 | 228686257 | 230018350 | 225483570 | 228062725 | 1.02 | cps |
| Sulfur | 34-1 | 480045 | 484825 | 483300 | 482723 | 0.51 | cps |
| Terbium | 159-1 | 10168083 | 10076902 | 9841739 | 10028908 | 1.68 | cps |
| Terbium | 159-2 | 6426278 | 6645781 | 6585638 | 6552566 | 1.73 | cps |
| Thallium | 203-1 | 2725085 | 2687666 | 2699598 | 2704116 | 0.71 | cps |
| Thallium | 205-1 | 6238115 | 6244024 | 6358920 | 6280353 | 1.08 | cps |
| Tin | 118-1 | 2636671 | 2643007 | 2619872 | 2633183 | 0.45 | cps |
| Titanium | 47-1 | 4899904 | 4925052 | 5015982 | 4946979 | 1.23 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV01 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:14:56 | DataFile Name : | 026CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8362435 | 8320721 | 8493354 | 8392170 | 1.07 | cps |
| Vanadium | 51-2 | 1040758 | 1035847 | 1032429 | 1036345 | 0.40 | cps |
| Yttrium | 89-1 | 10938137 | 10890600 | 11044849 | 10957862 | 0.72 | cps |
| Yttrium | 89-2 | 2419543 | 2412680 | 2436301 | 2422841 | 0.50 | cps |
| Zinc | 66-2 | 2006679 | 1951212 | 1997482 | 1985124 | 1.50 | cps |
| Zirconium | 90-1 | 5890825 | 5806083 | 5889620 | 5862176 | 0.83 | cps |
| Zirconium | 91-1 | 1318982 | 1294888 | 1325390 | 1313087 | 1.22 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB01 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:23:27 | DataFile Name : | 027CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 303 | 300 | 280 | 294 | 4.29 | cps |
| Antimony | 121-1 | 643 | 703 | 830 | 726 | 13.13 | cps |
| Arsenic | 75-2 | 13 | 7 | 3 | 8 | 65.47 | cps |
| Barium | 135-1 | 83 | 87 | 77 | 82 | 6.19 | cps |
| Barium | 137-1 | 137 | 133 | 127 | 132 | 3.85 | cps |
| Beryllium | 9-1 | 67 | 40 | 60 | 56 | 24.98 | cps |
| Bismuth | 209-1 | 5591227 | 5582652 | 5536887 | 5570255 | 0.52 | cps |
| Bismuth | 209-2 | 4557765 | 4593125 | 4669235 | 4606708 | 1.24 | cps |
| Bromine | 81-1 | 7735 | 7455 | 7609 | 7600 | 1.85 | cps |
| Bromine | 81-2 | 63 | 97 | 63 | 74 | 25.86 | cps |
| Cadmium | 108-1 | 7 | 10 | 7 | 8 | 24.71 | cps |
| Cadmium | 106-1 | 2357 | 2130 | 2090 | 2192 | 6.56 | cps |
| Cadmium | 111-1 | 1672 | 1504 | 1485 | 1554 | 6.61 | cps |
| Calcium | 43-1 | 363 | 417 | 393 | 391 | 6.84 | cps |
| Calcium | 44-1 | 11475 | 11228 | 11241 | 11315 | 1.23 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 557 | 543 | 680 | 593 | 12.70 | cps |
| Cobalt | 59-2 | 100 | 90 | 100 | 97 | 5.97 | cps |
| Copper | 63-2 | 1017 | 1073 | 1210 | 1100 | 9.04 | cps |
| Dysprosium | 156-1 | 33 | 47 | 27 | 36 | 28.64 | cps |
| Dysprosium | 156-2 | 3 | 3 | 7 | 4 | 43.40 | cps |
| Erbium | 164-1 | 57 | 63 | 93 | 71 | 27.46 | cps |
| Erbium | 164-2 | 37 | 33 | 43 | 38 | 13.48 | cps |
| Gadolinium | 160-1 | 40 | 23 | 63 | 42 | 47.59 | cps |
| Gadolinium | 160-2 | 273 | 247 | 213 | 244 | 12.30 | cps |
| Holmium | 165-1 | 9435098 | 9269231 | 9281203 | 9328511 | 0.99 | cps |
| Holmium | 165-2 | 6374705 | 6354689 | 6408390 | 6379261 | 0.43 | cps |
| Indium | 115-1 | 8076189 | 8140589 | 8060919 | 8092565 | 0.52 | cps |
| Indium | 115-2 | 2538503 | 2497316 | 2534928 | 2523582 | 0.90 | cps |
| Iron | 56-2 | 13319 | 14247 | 14787 | 14118 | 5.26 | cps |
| Iron | 57-2 | 1447 | 1370 | 1523 | 1447 | 5.30 | cps |
| Iron | 54-2 | 1503 | 1430 | 1420 | 1451 | 3.14 | cps |
| Krypton | 83-1 | 220 | 227 | 167 | 204 | 16.08 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB01 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:23:27 | DataFile Name : | 027CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 580 | 510 | 507 | 532 | 7.78 | cps |
| Lead | 207-1 | 407 | 477 | 390 | 424 | 10.83 | cps |
| Lead | 208-1 | 2177 | 2147 | 2110 | 2145 | 1.56 | cps |
| Lithium | 6-1 | 1559530 | 1576372 | 1595347 | 1577083 | 1.14 | cps |
| Magnesium | 24-2 | 1213 | 1303 | 1367 | 1295 | 5.95 | cps |
| Manganese | 55-2 | 340 | 373 | 397 | 370 | 7.70 | cps |
| Molybdenum | 94-1 | 410 | 580 | 543 | 511 | 17.50 | cps |
| Molybdenum | 95-1 | 307 | 470 | 377 | 384 | 21.32 | cps |
| Molybdenum | 96-1 | 383 | 447 | 480 | 437 | 11.25 | cps |
| Molybdenum | 97-1 | 180 | 240 | 267 | 229 | 19.39 | cps |
| Molybdenum | 98-1 | 403 | 877 | 610 | 630 | 37.68 | cps |
| Neodymium | 150-1 | 0 | 20 | 10 | 10 | 100.00 | cps |
| Neodymium | 150-2 | 7 | 0 | 0 | 2 | 173.21 | cps |
| Nickel | 60-2 | 133 | 173 | 200 | 169 | 19.87 | cps |
| Phosphorus | 31-2 | 103 | 133 | 93 | 110 | 18.93 | cps |
| Potassium | 39-2 | 46635 | 47079 | 45672 | 46462 | 1.55 | cps |
| Rhodium | 103-1 | 7838053 | 7749767 | 7565825 | 7717882 | 1.80 | cps |
| Rhodium | 103-2 | 4333317 | 4358582 | 4277050 | 4322983 | 0.97 | cps |
| Scandium | 45-1 | 5118866 | 4905194 | 4947909 | 4990656 | 2.27 | cps |
| Scandium | 45-2 | 354920 | 348606 | 350762 | 351429 | 0.91 | cps |
| Selenium | 82-1 | 268 | 176 | 346 | 263 | 32.33 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 220 | 200 | 220 | 213 | 5.41 | cps |
| Silicon | 28-1 | 298768 | 298772 | 296663 | 298068 | 0.41 | cps |
| Silver | 107-1 | 150 | 157 | 113 | 140 | 16.66 | cps |
| Silver | 109-1 | 77 | 93 | 80 | 83 | 10.58 | cps |
| Sodium | 23-2 | 15818 | 15144 | 15751 | 15571 | 2.38 | cps |
| Strontium | 86-1 | 493 | 627 | 643 | 588 | 13.99 | cps |
| Strontium | 88-1 | 1543 | 3629 | 1917 | 2363 | 47.06 | cps |
| Sulfur | 34-1 | 203675 | 203652 | 200008 | 202445 | 1.04 | cps |
| Terbium | 159-1 | 9957913 | 9719275 | 9652091 | 9776426 | 1.64 | cps |
| Terbium | 159-2 | 6255914 | 6379523 | 6333257 | 6322898 | 0.99 | cps |
| Thallium | 203-1 | 137 | 143 | 100 | 127 | 18.42 | cps |
| Thallium | 205-1 | 343 | 340 | 280 | 321 | 11.10 | cps |
| Tin | 118-1 | 873 | 1013 | 950 | 946 | 7.41 | cps |
| Titanium | 47-1 | 193 | 190 | 200 | 194 | 2.62 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB01 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:23:27 | DataFile Name : | 027CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 73 | 67 | 73 | 71 | 5.41 | cps |
| Vanadium | 51-2 | 17 | 33 | 30 | 27 | 33.06 | cps |
| Yttrium | 89-1 | 10983929 | 10808210 | 10670246 | 10820795 | 1.45 | cps |
| Yttrium | 89-2 | 2428542 | 2425819 | 2441110 | 2431824 | 0.34 | cps |
| Zinc | 66-2 | 667 | 690 | 660 | 672 | 2.34 | cps |
| Zirconium | 90-1 | 707 | 823 | 807 | 779 | 8.10 | cps |
| Zirconium | 91-1 | 110 | 120 | 177 | 136 | 26.52 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CRI | Instrumnet Name : | P7 |
| Client Sample ID : | CRI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:26:43 | DataFile Name : | 028LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2610 | 2560 | 2647 | 2606 | 1.67 | cps |
| Antimony | 121-1 | 13280 | 12966 | 13056 | 13101 | 1.23 | cps |
| Arsenic | 75-2 | 410 | 380 | 337 | 376 | 9.82 | cps |
| Barium | 135-1 | 14698 | 15362 | 14708 | 14922 | 2.55 | cps |
| Barium | 137-1 | 26308 | 26224 | 25847 | 26126 | 0.94 | cps |
| Beryllium | 9-1 | 1407 | 1240 | 1397 | 1348 | 6.94 | cps |
| Bismuth | 209-1 | 5455553 | 5594453 | 5600238 | 5550082 | 1.48 | cps |
| Bismuth | 209-2 | 4525840 | 4514143 | 4581845 | 4540609 | 0.80 | cps |
| Bromine | 81-1 | 7719 | 7315 | 7682 | 7572 | 2.95 | cps |
| Bromine | 81-2 | 40 | 93 | 93 | 76 | 40.75 | cps |
| Cadmium | 108-1 | 120 | 117 | 173 | 137 | 23.27 | cps |
| Cadmium | 106-1 | 2647 | 2487 | 2440 | 2525 | 4.29 | cps |
| Cadmium | 111-1 | 3362 | 3179 | 3197 | 3246 | 3.11 | cps |
| Calcium | 43-1 | 10070 | 10804 | 10140 | 10338 | 3.92 | cps |
| Calcium | 44-1 | 172135 | 171761 | 174082 | 172659 | 0.72 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 5208 | 5414 | 5204 | 5275 | 2.28 | cps |
| Cobalt | 59-2 | 3991 | 3874 | 3957 | 3941 | 1.53 | cps |
| Copper | 63-2 | 5898 | 6088 | 5791 | 5926 | 2.54 | cps |
| Dysprosium | 156-1 | 33 | 27 | 30 | 30 | 11.10 | cps |
| Dysprosium | 156-2 | 7 | 13 | 3 | 8 | 65.47 | cps |
| Erbium | 164-1 | 73 | 80 | 60 | 71 | 14.32 | cps |
| Erbium | 164-2 | 43 | 60 | 30 | 44 | 33.82 | cps |
| Gadolinium | 160-1 | 50 | 33 | 40 | 41 | 20.41 | cps |
| Gadolinium | 160-2 | 270 | 217 | 313 | 267 | 18.16 | cps |
| Holmium | 165-1 | 9485196 | 9252589 | 9276018 | 9337934 | 1.37 | cps |
| Holmium | 165-2 | 6333148 | 6449242 | 6389632 | 6390674 | 0.91 | cps |
| Indium | 115-1 | 8064510 | 7977138 | 8016318 | 8019322 | 0.55 | cps |
| Indium | 115-2 | 2600344 | 2471154 | 2524491 | 2531997 | 2.56 | cps |
| Iron | 56-2 | 118737 | 116574 | 116678 | 117330 | 1.04 | cps |
| Iron | 57-2 | 4194 | 4234 | 4131 | 4186 | 1.24 | cps |
| Iron | 54-2 | 7465 | 7285 | 7245 | 7332 | 1.60 | cps |
| Krypton | 83-1 | 223 | 217 | 133 | 191 | 26.24 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CRI | Instrumnet Name : | P7 |
| Client Sample ID : | CRI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:26:43 | DataFile Name : | 028LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 4084 | 4414 | 4187 | 4228 | 3.99 | cps |
| Lead | 207-1 | 3564 | 3601 | 3807 | 3657 | 3.59 | cps |
| Lead | 208-1 | 16951 | 16984 | 16914 | 16950 | 0.21 | cps |
| Lithium | 6-1 | 1574969 | 1569987 | 1553337 | 1566097 | 0.72 | cps |
| Magnesium | 24-2 | 108674 | 106475 | 107304 | 107485 | 1.03 | cps |
| Manganese | 55-2 | 2023 | 2067 | 2144 | 2078 | 2.92 | cps |
| Molybdenum | 94-1 | 13753 | 13800 | 14114 | 13889 | 1.41 | cps |
| Molybdenum | 95-1 | 16192 | 16700 | 16843 | 16578 | 2.06 | cps |
| Molybdenum | 96-1 | 17821 | 18482 | 18288 | 18197 | 1.87 | cps |
| Molybdenum | 97-1 | 10070 | 10150 | 10157 | 10126 | 0.48 | cps |
| Molybdenum | 98-1 | 25299 | 26578 | 26334 | 26070 | 2.60 | cps |
| Neodymium | 150-1 | 7 | 7 | 0 | 4 | 86.60 | cps |
| Neodymium | 150-2 | 7 | 3 | 0 | 3 | 100.05 | cps |
| Nickel | 60-2 | 1193 | 1130 | 1063 | 1129 | 5.76 | cps |
| Phosphorus | 31-2 | 343 | 293 | 270 | 302 | 12.40 | cps |
| Potassium | 39-2 | 177243 | 173584 | 175694 | 175507 | 1.05 | cps |
| Rhodium | 103-1 | 7745591 | 7622671 | 7545402 | 7637888 | 1.32 | cps |
| Rhodium | 103-2 | 4350213 | 4372565 | 4336352 | 4353043 | 0.42 | cps |
| Scandium | 45-1 | 4960760 | 4895553 | 4932802 | 4929705 | 0.66 | cps |
| Scandium | 45-2 | 354238 | 350075 | 351058 | 351790 | 0.62 | cps |
| Selenium | 82-1 | 766 | 797 | 874 | 812 | 6.88 | cps |
| Selenium | 77-2 | 43 | 47 | 33 | 41 | 16.89 | cps |
| Selenium | 78-2 | 317 | 323 | 343 | 328 | 4.23 | cps |
| Silicon | 28-1 | 316683 | 315099 | 317731 | 316504 | 0.42 | cps |
| Silver | 107-1 | 7692 | 7842 | 7532 | 7689 | 2.02 | cps |
| Silver | 109-1 | 7315 | 7335 | 7382 | 7344 | 0.47 | cps |
| Sodium | 23-2 | 186165 | 184805 | 184916 | 185295 | 0.41 | cps |
| Strontium | 86-1 | 2504 | 2614 | 2550 | 2556 | 2.16 | cps |
| Strontium | 88-1 | 19647 | 19623 | 19600 | 19623 | 0.12 | cps |
| Sulfur | 34-1 | 206087 | 204104 | 204658 | 204950 | 0.50 | cps |
| Terbium | 159-1 | 9775475 | 9868139 | 9650138 | 9764584 | 1.12 | cps |
| Terbium | 159-2 | 6447196 | 6231260 | 6336449 | 6338302 | 1.70 | cps |
| Thallium | 203-1 | 4721 | 4814 | 4804 | 4780 | 1.07 | cps |
| Thallium | 205-1 | 11321 | 11321 | 11772 | 11472 | 2.27 | cps |
| Tin | 118-1 | 26231 | 26842 | 26297 | 26457 | 1.27 | cps |
| Titanium | 47-1 | 4871 | 4918 | 4671 | 4820 | 2.72 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CRI | Instrumnet Name : | P7 |
| Client Sample ID : | CRI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:26:43 | DataFile Name : | 028LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14011 | 14605 | 14158 | 14258 | 2.17 | cps |
| Vanadium | 51-2 | 10404 | 10540 | 10270 | 10405 | 1.30 | cps |
| Yttrium | 89-1 | 10566826 | 10679669 | 10538933 | 10595143 | 0.70 | cps |
| Yttrium | 89-2 | 2457543 | 2397763 | 2389547 | 2414951 | 1.54 | cps |
| Zinc | 66-2 | 2987 | 2890 | 3020 | 2966 | 2.28 | cps |
| Zirconium | 90-1 | 11468 | 11588 | 11862 | 11639 | 1.73 | cps |
| Zirconium | 91-1 | 2597 | 2544 | 2547 | 2562 | 1.17 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162950BL | Instrumnet Name : | P7 |
| Client Sample ID : | PB162950BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:31:39 | DataFile Name : | 029CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 230 | 183 | 160 | 191 | 18.65 | cps |
| Antimony | 121-1 | 200 | 200 | 180 | 193 | 5.97 | cps |
| Arsenic | 75-2 | 3 | 7 | 3 | 4 | 43.40 | cps |
| Barium | 135-1 | 73 | 53 | 43 | 57 | 26.96 | cps |
| Barium | 137-1 | 53 | 77 | 93 | 74 | 26.99 | cps |
| Beryllium | 9-1 | 57 | 30 | 50 | 46 | 30.47 | cps |
| Bismuth | 209-1 | 5501090 | 5569291 | 5495034 | 5521805 | 0.75 | cps |
| Bismuth | 209-2 | 4594603 | 4603073 | 4567048 | 4588241 | 0.41 | cps |
| Bromine | 81-1 | 7535 | 7068 | 7412 | 7339 | 3.30 | cps |
| Bromine | 81-2 | 83 | 73 | 73 | 77 | 7.53 | cps |
| Cadmium | 108-1 | 3 | 0 | 17 | 7 | 132.33 | cps |
| Cadmium | 106-1 | 2134 | 2414 | 2144 | 2230 | 7.12 | cps |
| Cadmium | 111-1 | 1511 | 1699 | 1505 | 1572 | 7.02 | cps |
| Calcium | 43-1 | 337 | 317 | 323 | 326 | 3.13 | cps |
| Calcium | 44-1 | 10681 | 10137 | 10427 | 10415 | 2.61 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 607 | 513 | 510 | 543 | 10.10 | cps |
| Cobalt | 59-2 | 83 | 73 | 80 | 79 | 6.45 | cps |
| Copper | 63-2 | 833 | 777 | 803 | 804 | 3.52 | cps |
| Dysprosium | 156-1 | 30 | 30 | 20 | 27 | 21.65 | cps |
| Dysprosium | 156-2 | 17 | 13 | 13 | 14 | 13.35 | cps |
| Erbium | 164-1 | 60 | 103 | 67 | 77 | 30.43 | cps |
| Erbium | 164-2 | 53 | 30 | 50 | 44 | 28.39 | cps |
| Gadolinium | 160-1 | 37 | 33 | 57 | 42 | 29.89 | cps |
| Gadolinium | 160-2 | 323 | 297 | 283 | 301 | 6.76 | cps |
| Holmium | 165-1 | 9328269 | 9097798 | 9412528 | 9279532 | 1.76 | cps |
| Holmium | 165-2 | 6186935 | 6400841 | 6250872 | 6279549 | 1.75 | cps |
| Indium | 115-1 | 7980445 | 7996644 | 7896398 | 7957829 | 0.68 | cps |
| Indium | 115-2 | 2509432 | 2480284 | 2529803 | 2506506 | 0.99 | cps |
| Iron | 56-2 | 9460 | 9650 | 9973 | 9694 | 2.68 | cps |
| Iron | 57-2 | 1483 | 1380 | 1390 | 1418 | 4.02 | cps |
| Iron | 54-2 | 1240 | 1217 | 1307 | 1255 | 3.72 | cps |
| Krypton | 83-1 | 150 | 223 | 227 | 200 | 21.67 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162950BL | Instrumnet Name : | P7 |
| Client Sample ID : | PB162950BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:31:39 | DataFile Name : | 029CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 390 | 377 | 310 | 359 | 11.94 | cps |
| Lead | 207-1 | 270 | 247 | 300 | 272 | 9.82 | cps |
| Lead | 208-1 | 1377 | 1320 | 1390 | 1362 | 2.73 | cps |
| Lithium | 6-1 | 1587483 | 1586401 | 1578279 | 1584054 | 0.32 | cps |
| Magnesium | 24-2 | 550 | 497 | 503 | 517 | 5.62 | cps |
| Manganese | 55-2 | 227 | 290 | 220 | 246 | 15.74 | cps |
| Molybdenum | 94-1 | 260 | 233 | 267 | 253 | 6.96 | cps |
| Molybdenum | 95-1 | 100 | 90 | 100 | 97 | 5.97 | cps |
| Molybdenum | 96-1 | 157 | 167 | 157 | 160 | 3.61 | cps |
| Molybdenum | 97-1 | 43 | 67 | 57 | 56 | 21.08 | cps |
| Molybdenum | 98-1 | 180 | 170 | 173 | 174 | 2.92 | cps |
| Neodymium | 150-1 | 10 | 30 | 7 | 16 | 81.11 | cps |
| Neodymium | 150-2 | 3 | 10 | 0 | 4 | 114.60 | cps |
| Nickel | 60-2 | 213 | 213 | 153 | 193 | 17.92 | cps |
| Phosphorus | 31-2 | 127 | 137 | 120 | 128 | 6.57 | cps |
| Potassium | 39-2 | 46538 | 46086 | 46287 | 46304 | 0.49 | cps |
| Rhodium | 103-1 | 7475346 | 7390165 | 7362636 | 7409382 | 0.79 | cps |
| Rhodium | 103-2 | 4303525 | 4283348 | 4245135 | 4277336 | 0.69 | cps |
| Scandium | 45-1 | 4981472 | 4985985 | 4976526 | 4981328 | 0.09 | cps |
| Scandium | 45-2 | 355786 | 353013 | 349313 | 352704 | 0.92 | cps |
| Selenium | 82-1 | 349 | 238 | 263 | 284 | 20.41 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 203 | 207 | 250 | 220 | 11.83 | cps |
| Silicon | 28-1 | 292235 | 292828 | 294884 | 293316 | 0.47 | cps |
| Silver | 107-1 | 103 | 113 | 110 | 109 | 4.68 | cps |
| Silver | 109-1 | 70 | 77 | 73 | 73 | 4.55 | cps |
| Sodium | 23-2 | 12742 | 12358 | 11901 | 12334 | 3.41 | cps |
| Strontium | 86-1 | 360 | 313 | 327 | 333 | 7.21 | cps |
| Strontium | 88-1 | 340 | 420 | 313 | 358 | 15.52 | cps |
| Sulfur | 34-1 | 206010 | 207699 | 204415 | 206041 | 0.80 | cps |
| Terbium | 159-1 | 9695410 | 9738710 | 9446840 | 9626987 | 1.64 | cps |
| Terbium | 159-2 | 6267725 | 6279367 | 6230115 | 6259069 | 0.41 | cps |
| Thallium | 203-1 | 87 | 80 | 73 | 80 | 8.34 | cps |
| Thallium | 205-1 | 197 | 173 | 297 | 222 | 29.48 | cps |
| Tin | 118-1 | 943 | 887 | 873 | 901 | 4.13 | cps |
| Titanium | 47-1 | 143 | 140 | 160 | 148 | 7.25 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162950BL | Instrumnet Name : | P7 |
| Client Sample ID : | PB162950BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:31:39 | DataFile Name : | 029CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 20 | 20 | 27 | 22 | 17.33 | cps |
| Vanadium | 51-2 | 13 | 0 | 7 | 7 | 99.98 | cps |
| Yttrium | 89-1 | 10586502 | 10737964 | 10763412 | 10695959 | 0.89 | cps |
| Yttrium | 89-2 | 2420244 | 2395840 | 2400616 | 2405567 | 0.54 | cps |
| Zinc | 66-2 | 637 | 703 | 677 | 672 | 4.99 | cps |
| Zirconium | 90-1 | 477 | 473 | 553 | 501 | 9.03 | cps |
| Zirconium | 91-1 | 97 | 110 | 120 | 109 | 10.75 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162950BS | Instrumnet Name : | P7 |
| Client Sample ID : | PB162950BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:34:55 | DataFile Name : | 030LCSS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1176557 | 1167651 | 1183143 | 1175784 | 0.66 | cps |
| Antimony | 121-1 | 3350341 | 3480531 | 3383276 | 3404716 | 1.99 | cps |
| Arsenic | 75-2 | 162876 | 164011 | 165313 | 164067 | 0.74 | cps |
| Barium | 135-1 | 4055619 | 4155445 | 4167588 | 4126217 | 1.49 | cps |
| Barium | 137-1 | 6996967 | 7152014 | 7116527 | 7088503 | 1.15 | cps |
| Beryllium | 9-1 | 649759 | 674414 | 660443 | 661539 | 1.87 | cps |
| Bismuth | 209-1 | 5410745 | 5544983 | 5553973 | 5503234 | 1.46 | cps |
| Bismuth | 209-2 | 4544113 | 4574686 | 4531626 | 4550141 | 0.49 | cps |
| Bromine | 81-1 | 7012 | 6882 | 7082 | 6992 | 1.45 | cps |
| Bromine | 81-2 | 53 | 17 | 47 | 39 | 50.22 | cps |
| Cadmium | 108-1 | 60121 | 61901 | 60991 | 61004 | 1.46 | cps |
| Cadmium | 106-1 | 86955 | 88491 | 87532 | 87659 | 0.88 | cps |
| Cadmium | 111-1 | 811471 | 829276 | 827119 | 822622 | 1.18 | cps |
| Calcium | 43-1 | 1115921 | 1140850 | 1151889 | 1136220 | 1.62 | cps |
| Calcium | 44-1 | 16034361 | 16190810 | 16561186 | 16262119 | 1.66 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1181098 | 1177517 | 1198196 | 1185604 | 0.93 | cps |
| Cobalt | 59-2 | 1853385 | 1852309 | 1816588 | 1840761 | 1.14 | cps |
| Copper | 63-2 | 12602518 | 12689707 | 12495116 | 12595781 | 0.77 | cps |
| Dysprosium | 156-1 | 147 | 127 | 113 | 129 | 13.02 | cps |
| Dysprosium | 156-2 | 207 | 210 | 247 | 221 | 10.04 | cps |
| Erbium | 164-1 | 147 | 163 | 160 | 157 | 5.63 | cps |
| Erbium | 164-2 | 93 | 110 | 80 | 94 | 15.92 | cps |
| Gadolinium | 160-1 | 107 | 123 | 103 | 111 | 9.65 | cps |
| Gadolinium | 160-2 | 350 | 330 | 360 | 347 | 4.41 | cps |
| Holmium | 165-1 | 9401376 | 9656191 | 9705030 | 9587532 | 1.70 | cps |
| Holmium | 165-2 | 6568481 | 6489312 | 6474004 | 6510599 | 0.78 | cps |
| Indium | 115-1 | 7973921 | 8131120 | 7964176 | 8023072 | 1.17 | cps |
| Indium | 115-2 | 2484268 | 2504912 | 2462800 | 2483993 | 0.85 | cps |
| Iron | 56-2 | 50356491 | 49968723 | 50912146 | 50412453 | 0.94 | cps |
| Iron | 57-2 | 1326547 | 1329314 | 1328336 | 1328066 | 0.11 | cps |
| Iron | 54-2 | 2817630 | 2840526 | 2841636 | 2833264 | 0.48 | cps |
| Krypton | 83-1 | 190 | 217 | 190 | 199 | 7.74 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162950BS | Instrumnet Name : | P7 |
| Client Sample ID : | PB162950BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:34:55 | DataFile Name : | 030LCSS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10705925 | 11006560 | 10951079 | 10887855 | 1.47 | cps |
| Lead | 207-1 | 9496692 | 9725818 | 9923819 | 9715443 | 2.20 | cps |
| Lead | 208-1 | 42635962 | 44020166 | 44260363 | 43638830 | 2.01 | cps |
| Lithium | 6-1 | 1618898 | 1663498 | 1636703 | 1639700 | 1.37 | cps |
| Magnesium | 24-2 | 10584800 | 10526814 | 10574780 | 10562131 | 0.29 | cps |
| Manganese | 55-2 | 8328344 | 8325496 | 8433108 | 8362316 | 0.73 | cps |
| Molybdenum | 94-1 | 12416818 | 12565546 | 12619595 | 12533986 | 0.84 | cps |
| Molybdenum | 95-1 | 18185000 | 18274079 | 17925005 | 18128028 | 1.00 | cps |
| Molybdenum | 96-1 | 19684536 | 19475152 | 19802341 | 19654010 | 0.84 | cps |
| Molybdenum | 97-1 | 11413397 | 11170894 | 11348701 | 11310997 | 1.11 | cps |
| Molybdenum | 98-1 | 28892962 | 29128278 | 28753878 | 28925039 | 0.65 | cps |
| Neodymium | 150-1 | 193 | 217 | 227 | 212 | 8.06 | cps |
| Neodymium | 150-2 | 43 | 63 | 67 | 58 | 21.85 | cps |
| Nickel | 60-2 | 465969 | 468370 | 470601 | 468314 | 0.49 | cps |
| Phosphorus | 31-2 | 67732 | 66906 | 68322 | 67653 | 1.05 | cps |
| Potassium | 39-2 | 6105813 | 6027382 | 6211333 | 6114843 | 1.51 | cps |
| Rhodium | 103-1 | 7313633 | 7390498 | 7387234 | 7363788 | 0.59 | cps |
| Rhodium | 103-2 | 4155796 | 4105021 | 4040771 | 4100530 | 1.41 | cps |
| Scandium | 45-1 | 5027635 | 5022954 | 5202165 | 5084251 | 2.01 | cps |
| Scandium | 45-2 | 344879 | 345108 | 347608 | 345865 | 0.44 | cps |
| Selenium | 82-1 | 54147 | 54953 | 54566 | 54556 | 0.74 | cps |
| Selenium | 77-2 | 4437 | 4674 | 4704 | 4605 | 3.17 | cps |
| Selenium | 78-2 | 15258 | 15295 | 14844 | 15132 | 1.65 | cps |
| Silicon | 28-1 | 33740866 | 32808531 | 32455875 | 33001758 | 2.01 | cps |
| Silver | 107-1 | 4103211 | 4212655 | 4149697 | 4155188 | 1.32 | cps |
| Silver | 109-1 | 3832235 | 3921511 | 3915043 | 3889596 | 1.28 | cps |
| Sodium | 23-2 | 16516321 | 16777700 | 16719128 | 16671049 | 0.82 | cps |
| Strontium | 86-1 | 26807757 | 26913155 | 26990489 | 26903800 | 0.34 | cps |
| Strontium | 88-1 | 233765863 | 234217570 | 233364930 | 233782788 | 0.18 | cps |
| Sulfur | 34-1 | 504042 | 504606 | 499219 | 502622 | 0.59 | cps |
| Terbium | 159-1 | 9858526 | 10161192 | 9915063 | 9978260 | 1.61 | cps |
| Terbium | 159-2 | 6384743 | 6528256 | 6504841 | 6472613 | 1.19 | cps |
| Thallium | 203-1 | 2728655 | 2803505 | 2770896 | 2767685 | 1.36 | cps |
| Thallium | 205-1 | 6489344 | 6670626 | 6538274 | 6566082 | 1.43 | cps |
| Tin | 118-1 | 2734070 | 2745647 | 2721342 | 2733686 | 0.44 | cps |
| Titanium | 47-1 | 5024171 | 5014806 | 5083578 | 5040852 | 0.74 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162950BS | Instrumnet Name : | P7 |
| Client Sample ID : | PB162950BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:34:55 | DataFile Name : | 030LCSS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8258591 | 8418952 | 8105591 | 8261045 | 1.90 | cps |
| Vanadium | 51-2 | 1036996 | 1049921 | 1045547 | 1044154 | 0.63 | cps |
| Yttrium | 89-1 | 10784148 | 10995813 | 10704953 | 10828305 | 1.39 | cps |
| Yttrium | 89-2 | 2390884 | 2414212 | 2433563 | 2412886 | 0.89 | cps |
| Zinc | 66-2 | 2117328 | 2173107 | 2207961 | 2166132 | 2.11 | cps |
| Zirconium | 90-1 | 5823793 | 5981754 | 5831941 | 5879163 | 1.51 | cps |
| Zirconium | 91-1 | 1317935 | 1339944 | 1337630 | 1331836 | 0.91 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3426-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 927-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:41:03 | DataFile Name : | 031SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4084 | 3864 | 4001 | 3983 | 2.79 | cps |
| Antimony | 121-1 | 1223 | 1480 | 1420 | 1375 | 9.77 | cps |
| Arsenic | 75-2 | 593 | 643 | 590 | 609 | 4.91 | cps |
| Barium | 135-1 | 329960 | 334685 | 332385 | 332343 | 0.71 | cps |
| Barium | 137-1 | 565474 | 579044 | 571029 | 571849 | 1.19 | cps |
| Beryllium | 9-1 | 97 | 80 | 97 | 91 | 10.56 | cps |
| Bismuth | 209-1 | 5374116 | 5376884 | 5257257 | 5336086 | 1.28 | cps |
| Bismuth | 209-2 | 4445277 | 3978255 | 4529648 | 4317727 | 6.88 | cps |
| Bromine | 81-1 | 64244 | 85207 | 97643 | 82365 | 20.49 | cps |
| Bromine | 81-2 | 16126 | 16226 | 16870 | 16407 | 2.46 | cps |
| Cadmium | 108-1 | 3 | 17 | 20 | 13 | 66.16 | cps |
| Cadmium | 106-1 | 2234 | 2144 | 2380 | 2252 | 5.30 | cps |
| Cadmium | 111-1 | 1618 | 1529 | 1702 | 1616 | 5.36 | cps |
| Calcium | 43-1 | 661389 | 670385 | 663615 | 665130 | 0.70 | cps |
| Calcium | 44-1 | 9951938 | 9953667 | 10003201 | 9969602 | 0.29 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 8046 | 8053 | 7742 | 7947 | 2.23 | cps |
| Cobalt | 59-2 | 5781 | 5688 | 5328 | 5599 | 4.28 | cps |
| Copper | 63-2 | 3647 | 3320 | 3397 | 3455 | 4.95 | cps |
| Dysprosium | 156-1 | 293 | 267 | 370 | 310 | 17.31 | cps |
| Dysprosium | 156-2 | 237 | 190 | 237 | 221 | 12.19 | cps |
| Erbium | 164-1 | 373 | 407 | 317 | 366 | 12.45 | cps |
| Erbium | 164-2 | 263 | 250 | 273 | 262 | 4.47 | cps |
| Gadolinium | 160-1 | 357 | 317 | 410 | 361 | 12.97 | cps |
| Gadolinium | 160-2 | 450 | 450 | 560 | 487 | 13.05 | cps |
| Holmium | 165-1 | 9299427 | 9397449 | 9315630 | 9337502 | 0.56 | cps |
| Holmium | 165-2 | 6423640 | 5859452 | 6575439 | 6286177 | 6.00 | cps |
| Indium | 115-1 | 7788366 | 7982798 | 7933409 | 7901524 | 1.28 | cps |
| Indium | 115-2 | 2463823 | 2222280 | 2491307 | 2392470 | 6.19 | cps |
| Iron | 56-2 | 7866879 | 7602521 | 7588475 | 7685958 | 2.04 | cps |
| Iron | 57-2 | 211602 | 210717 | 209381 | 210567 | 0.53 | cps |
| Iron | 54-2 | 447401 | 445215 | 440113 | 444243 | 0.84 | cps |
| Krypton | 83-1 | 187 | 167 | 220 | 191 | 14.10 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3426-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 927-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:41:03 | DataFile Name : | 031SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2214 | 2414 | 2164 | 2264 | 5.85 | cps |
| Lead | 207-1 | 1807 | 1867 | 1863 | 1846 | 1.83 | cps |
| Lead | 208-1 | 9088 | 8828 | 8708 | 8875 | 2.19 | cps |
| Lithium | 6-1 | 1642092 | 1596054 | 1684712 | 1640953 | 2.70 | cps |
| Magnesium | 24-2 | 2276481 | 2286644 | 2237065 | 2266730 | 1.16 | cps |
| Manganese | 55-2 | 10781618 | 10957035 | 10654398 | 10797684 | 1.41 | cps |
| Molybdenum | 94-1 | 1527 | 1523 | 1590 | 1547 | 2.43 | cps |
| Molybdenum | 95-1 | 2210 | 1923 | 2204 | 2112 | 7.75 | cps |
| Molybdenum | 96-1 | 1790 | 1903 | 1903 | 1866 | 3.51 | cps |
| Molybdenum | 97-1 | 980 | 910 | 980 | 957 | 4.22 | cps |
| Molybdenum | 98-1 | 2404 | 2600 | 2480 | 2495 | 3.97 | cps |
| Neodymium | 150-1 | 403 | 400 | 447 | 417 | 6.25 | cps |
| Neodymium | 150-2 | 217 | 247 | 227 | 230 | 6.64 | cps |
| Nickel | 60-2 | 2717 | 2500 | 2604 | 2607 | 4.16 | cps |
| Phosphorus | 31-2 | 603 | 543 | 573 | 573 | 5.23 | cps |
| Potassium | 39-2 | 1398343 | 1395525 | 1368462 | 1387443 | 1.19 | cps |
| Rhodium | 103-1 | 7428869 | 7383778 | 7276964 | 7363204 | 1.06 | cps |
| Rhodium | 103-2 | 4241995 | 3634692 | 4140304 | 4005664 | 8.12 | cps |
| Scandium | 45-1 | 5083074 | 5176547 | 5137350 | 5132324 | 0.91 | cps |
| Scandium | 45-2 | 348710 | 309626 | 352422 | 336919 | 7.04 | cps |
| Selenium | 82-1 | 320 | 354 | 368 | 347 | 7.16 | cps |
| Selenium | 77-2 | 0 | 0 | 3 | 1 | 173.21 | cps |
| Selenium | 78-2 | 180 | 187 | 210 | 192 | 8.19 | cps |
| Silicon | 28-1 | 16071046 | 16008372 | 16044621 | 16041347 | 0.20 | cps |
| Silver | 107-1 | 667 | 660 | 753 | 693 | 7.51 | cps |
| Silver | 109-1 | 733 | 617 | 603 | 651 | 10.98 | cps |
| Sodium | 23-2 | 52929508 | 52603338 | 52530713 | 52687853 | 0.40 | cps |
| Strontium | 86-1 | 502494 | 509634 | 507453 | 506527 | 0.72 | cps |
| Strontium | 88-1 | 4427040 | 4467971 | 4361617 | 4418876 | 1.21 | cps |
| Sulfur | 34-1 | 221620 | 219064 | 220316 | 220333 | 0.58 | cps |
| Terbium | 159-1 | 9652035 | 9650627 | 9807415 | 9703359 | 0.93 | cps |
| Terbium | 159-2 | 6331154 | 5744842 | 6382847 | 6152947 | 5.76 | cps |
| Thallium | 203-1 | 187 | 197 | 197 | 193 | 2.99 | cps |
| Thallium | 205-1 | 577 | 433 | 327 | 446 | 28.16 | cps |
| Tin | 118-1 | 3997 | 4157 | 4027 | 4061 | 2.10 | cps |
| Titanium | 47-1 | 2836 | 830 | 1013 | 1560 | 71.10 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3426-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 927-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:41:03 | DataFile Name : | 031SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 487 | 503 | 367 | 452 | 16.49 | cps |
| Vanadium | 51-2 | 870 | 863 | 830 | 854 | 2.51 | cps |
| Yttrium | 89-1 | 10463830 | 10584742 | 10482284 | 10510285 | 0.62 | cps |
| Yttrium | 89-2 | 2430759 | 2142898 | 2383264 | 2318973 | 6.65 | cps |
| Zinc | 66-2 | 6061 | 6195 | 5931 | 6062 | 2.17 | cps |
| Zirconium | 90-1 | 1984 | 1997 | 1933 | 1971 | 1.69 | cps |
| Zirconium | 91-1 | 413 | 477 | 470 | 453 | 7.68 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3426-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 927-K1-WS-073124-FD | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:44:15 | DataFile Name : | 032SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3487 | 3757 | 3464 | 3569 | 4.57 | cps |
| Antimony | 121-1 | 703 | 727 | 783 | 738 | 5.58 | cps |
| Arsenic | 75-2 | 553 | 593 | 533 | 560 | 5.46 | cps |
| Barium | 135-1 | 308457 | 309857 | 312558 | 310291 | 0.67 | cps |
| Barium | 137-1 | 532661 | 537863 | 536832 | 535785 | 0.51 | cps |
| Beryllium | 9-1 | 87 | 93 | 53 | 78 | 27.56 | cps |
| Bismuth | 209-1 | 5336925 | 5397197 | 5369433 | 5367852 | 0.56 | cps |
| Bismuth | 209-2 | 4464902 | 4436078 | 4494143 | 4465041 | 0.65 | cps |
| Bromine | 81-1 | 70525 | 85325 | 96190 | 84013 | 15.33 | cps |
| Bromine | 81-2 | 14981 | 15038 | 14951 | 14990 | 0.29 | cps |
| Cadmium | 108-1 | 10 | 13 | 17 | 13 | 25.01 | cps |
| Cadmium | 106-1 | 2354 | 2377 | 2310 | 2347 | 1.44 | cps |
| Cadmium | 111-1 | 1667 | 1681 | 1625 | 1658 | 1.75 | cps |
| Calcium | 43-1 | 608949 | 615843 | 615658 | 613483 | 0.64 | cps |
| Calcium | 44-1 | 9262125 | 9324180 | 9393125 | 9326477 | 0.70 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1473 | 1537 | 1477 | 1496 | 2.38 | cps |
| Cobalt | 59-2 | 5228 | 5091 | 5204 | 5174 | 1.41 | cps |
| Copper | 63-2 | 2030 | 1777 | 1920 | 1909 | 6.66 | cps |
| Dysprosium | 156-1 | 393 | 323 | 260 | 326 | 20.49 | cps |
| Dysprosium | 156-2 | 203 | 193 | 213 | 203 | 4.92 | cps |
| Erbium | 164-1 | 377 | 353 | 340 | 357 | 5.20 | cps |
| Erbium | 164-2 | 220 | 283 | 260 | 254 | 12.59 | cps |
| Gadolinium | 160-1 | 307 | 313 | 303 | 308 | 1.65 | cps |
| Gadolinium | 160-2 | 473 | 507 | 487 | 489 | 3.43 | cps |
| Holmium | 165-1 | 9483213 | 9320339 | 9470860 | 9424804 | 0.96 | cps |
| Holmium | 165-2 | 6565373 | 6588116 | 6482964 | 6545484 | 0.85 | cps |
| Indium | 115-1 | 7967911 | 7873689 | 7770717 | 7870772 | 1.25 | cps |
| Indium | 115-2 | 2507013 | 2481113 | 2486932 | 2491686 | 0.55 | cps |
| Iron | 56-2 | 6804692 | 6912705 | 6985634 | 6901010 | 1.32 | cps |
| Iron | 57-2 | 189230 | 193404 | 190492 | 191042 | 1.12 | cps |
| Iron | 54-2 | 405087 | 399501 | 401499 | 402029 | 0.70 | cps |
| Krypton | 83-1 | 177 | 183 | 173 | 178 | 2.86 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3426-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 927-K1-WS-073124-FD | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:44:15 | DataFile Name : | 032SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1447 | 1547 | 1580 | 1525 | 4.55 | cps |
| Lead | 207-1 | 1053 | 1207 | 1160 | 1140 | 6.89 | cps |
| Lead | 208-1 | 5384 | 5787 | 5697 | 5623 | 3.77 | cps |
| Lithium | 6-1 | 1635299 | 1706355 | 1629642 | 1657099 | 2.58 | cps |
| Magnesium | 24-2 | 2119154 | 2093063 | 2070225 | 2094147 | 1.17 | cps |
| Manganese | 55-2 | 9961183 | 9921515 | 9877576 | 9920091 | 0.42 | cps |
| Molybdenum | 94-1 | 1337 | 1320 | 1197 | 1285 | 5.95 | cps |
| Molybdenum | 95-1 | 1673 | 1690 | 1627 | 1663 | 1.97 | cps |
| Molybdenum | 96-1 | 1480 | 1480 | 1393 | 1451 | 3.45 | cps |
| Molybdenum | 97-1 | 763 | 787 | 667 | 739 | 8.61 | cps |
| Molybdenum | 98-1 | 1747 | 1913 | 1857 | 1839 | 4.61 | cps |
| Neodymium | 150-1 | 357 | 370 | 400 | 376 | 5.91 | cps |
| Neodymium | 150-2 | 187 | 200 | 213 | 200 | 6.67 | cps |
| Nickel | 60-2 | 1203 | 1200 | 1257 | 1220 | 2.61 | cps |
| Phosphorus | 31-2 | 507 | 493 | 530 | 510 | 3.64 | cps |
| Potassium | 39-2 | 1288706 | 1279210 | 1281163 | 1283026 | 0.39 | cps |
| Rhodium | 103-1 | 7376883 | 7203328 | 7200924 | 7260378 | 1.39 | cps |
| Rhodium | 103-2 | 4150515 | 4128514 | 4119899 | 4132976 | 0.38 | cps |
| Scandium | 45-1 | 5144007 | 5015709 | 5023108 | 5060941 | 1.42 | cps |
| Scandium | 45-2 | 348565 | 346004 | 344254 | 346274 | 0.63 | cps |
| Selenium | 82-1 | 347 | 346 | 324 | 339 | 3.81 | cps |
| Selenium | 77-2 | 0 | 0 | 3 | 1 | 173.21 | cps |
| Selenium | 78-2 | 177 | 210 | 197 | 194 | 8.63 | cps |
| Silicon | 28-1 | 14810625 | 15144711 | 15103729 | 15019689 | 1.21 | cps |
| Silver | 107-1 | 520 | 517 | 577 | 538 | 6.27 | cps |
| Silver | 109-1 | 470 | 483 | 510 | 488 | 4.18 | cps |
| Sodium | 23-2 | 49208683 | 48179629 | 48865324 | 48751212 | 1.07 | cps |
| Strontium | 86-1 | 463853 | 470083 | 470801 | 468246 | 0.82 | cps |
| Strontium | 88-1 | 4160603 | 4121651 | 4210693 | 4164315 | 1.07 | cps |
| Sulfur | 34-1 | 219204 | 218841 | 218307 | 218784 | 0.21 | cps |
| Terbium | 159-1 | 9895704 | 9744568 | 9841232 | 9827168 | 0.78 | cps |
| Terbium | 159-2 | 6399371 | 6339547 | 6300810 | 6346576 | 0.78 | cps |
| Thallium | 203-1 | 117 | 90 | 53 | 87 | 36.69 | cps |
| Thallium | 205-1 | 193 | 217 | 207 | 206 | 5.69 | cps |
| Tin | 118-1 | 1563 | 1410 | 1663 | 1546 | 8.26 | cps |
| Titanium | 47-1 | 833 | 740 | 733 | 769 | 7.27 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3426-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 927-K1-WS-073124-FD | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:44:15 | DataFile Name : | 032SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 347 | 417 | 400 | 388 | 9.43 | cps |
| Vanadium | 51-2 | 753 | 820 | 687 | 753 | 8.85 | cps |
| Yttrium | 89-1 | 10522615 | 10868999 | 10708001 | 10699872 | 1.62 | cps |
| Yttrium | 89-2 | 2408213 | 2365714 | 2372898 | 2382275 | 0.95 | cps |
| Zinc | 66-2 | 3130 | 3254 | 3134 | 3173 | 2.22 | cps |
| Zirconium | 90-1 | 1813 | 1667 | 1653 | 1711 | 5.19 | cps |
| Zirconium | 91-1 | 320 | 383 | 347 | 350 | 9.08 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3429-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:47:26 | DataFile Name : | 033SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2844 | 2794 | 2644 | 2760 | 3.77 | cps |
| Antimony | 121-1 | 603 | 587 | 623 | 604 | 3.04 | cps |
| Arsenic | 75-2 | 533 | 453 | 433 | 473 | 11.18 | cps |
| Barium | 135-1 | 373409 | 379922 | 381250 | 378193 | 1.11 | cps |
| Barium | 137-1 | 652303 | 651361 | 655183 | 652949 | 0.30 | cps |
| Beryllium | 9-1 | 77 | 77 | 80 | 78 | 2.47 | cps |
| Bismuth | 209-1 | 5435033 | 5471662 | 5450580 | 5452425 | 0.34 | cps |
| Bismuth | 209-2 | 4507650 | 4590420 | 4574498 | 4557523 | 0.96 | cps |
| Bromine | 81-1 | 78143 | 97224 | 108568 | 94645 | 16.25 | cps |
| Bromine | 81-2 | 17294 | 17380 | 17377 | 17350 | 0.28 | cps |
| Cadmium | 108-1 | 13 | 13 | 10 | 12 | 15.73 | cps |
| Cadmium | 106-1 | 2597 | 2517 | 2527 | 2547 | 1.71 | cps |
| Cadmium | 111-1 | 1852 | 1793 | 1785 | 1810 | 2.02 | cps |
| Calcium | 43-1 | 734577 | 736940 | 741429 | 737649 | 0.47 | cps |
| Calcium | 44-1 | 10868402 | 10879964 | 11233766 | 10994044 | 1.89 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 2777 | 2480 | 2544 | 2600 | 6.01 | cps |
| Cobalt | 59-2 | 4101 | 4424 | 4431 | 4318 | 4.37 | cps |
| Copper | 63-2 | 4097 | 3904 | 4047 | 4016 | 2.50 | cps |
| Dysprosium | 156-1 | 147 | 207 | 177 | 177 | 16.98 | cps |
| Dysprosium | 156-2 | 117 | 103 | 130 | 117 | 11.43 | cps |
| Erbium | 164-1 | 187 | 257 | 197 | 213 | 17.75 | cps |
| Erbium | 164-2 | 153 | 113 | 90 | 119 | 26.94 | cps |
| Gadolinium | 160-1 | 187 | 143 | 160 | 163 | 13.38 | cps |
| Gadolinium | 160-2 | 353 | 387 | 370 | 370 | 4.51 | cps |
| Holmium | 165-1 | 9181694 | 9636556 | 9316469 | 9378240 | 2.49 | cps |
| Holmium | 165-2 | 6522062 | 6576258 | 6571283 | 6556534 | 0.46 | cps |
| Indium | 115-1 | 7905358 | 7949081 | 7767470 | 7873970 | 1.20 | cps |
| Indium | 115-2 | 2472222 | 2468321 | 2493685 | 2478076 | 0.55 | cps |
| Iron | 56-2 | 8045842 | 8199550 | 8102577 | 8115990 | 0.96 | cps |
| Iron | 57-2 | 221460 | 223827 | 221063 | 222117 | 0.67 | cps |
| Iron | 54-2 | 471138 | 464979 | 466840 | 467652 | 0.68 | cps |
| Krypton | 83-1 | 203 | 227 | 170 | 200 | 14.24 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3429-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:47:26 | DataFile Name : | 033SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2277 | 2390 | 2340 | 2336 | 2.43 | cps |
| Lead | 207-1 | 1967 | 2204 | 1974 | 2048 | 6.58 | cps |
| Lead | 208-1 | 9168 | 9321 | 9325 | 9271 | 0.97 | cps |
| Lithium | 6-1 | 1690733 | 1689244 | 1725618 | 1701865 | 1.21 | cps |
| Magnesium | 24-2 | 2486355 | 2580100 | 2527541 | 2531332 | 1.86 | cps |
| Manganese | 55-2 | 13805035 | 13562742 | 13628257 | 13665345 | 0.92 | cps |
| Molybdenum | 94-1 | 1337 | 1513 | 1447 | 1432 | 6.23 | cps |
| Molybdenum | 95-1 | 2003 | 2340 | 2084 | 2142 | 8.21 | cps |
| Molybdenum | 96-1 | 1807 | 2003 | 1843 | 1885 | 5.55 | cps |
| Molybdenum | 97-1 | 930 | 897 | 843 | 890 | 4.91 | cps |
| Molybdenum | 98-1 | 2390 | 2430 | 2540 | 2454 | 3.17 | cps |
| Neodymium | 150-1 | 200 | 160 | 153 | 171 | 14.75 | cps |
| Neodymium | 150-2 | 110 | 83 | 100 | 98 | 13.78 | cps |
| Nickel | 60-2 | 1393 | 1443 | 1533 | 1457 | 4.87 | cps |
| Phosphorus | 31-2 | 477 | 497 | 437 | 470 | 6.50 | cps |
| Potassium | 39-2 | 1464071 | 1454409 | 1450678 | 1456386 | 0.47 | cps |
| Rhodium | 103-1 | 7247348 | 7257682 | 7328739 | 7277923 | 0.61 | cps |
| Rhodium | 103-2 | 4100688 | 4118741 | 4153305 | 4124245 | 0.65 | cps |
| Scandium | 45-1 | 5030493 | 4965034 | 5043106 | 5012878 | 0.84 | cps |
| Scandium | 45-2 | 342224 | 345173 | 345885 | 344427 | 0.56 | cps |
| Selenium | 82-1 | 300 | 266 | 419 | 328 | 24.44 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 203 | 197 | 237 | 212 | 10.10 | cps |
| Silicon | 28-1 | 15605012 | 15666699 | 16012439 | 15761383 | 1.39 | cps |
| Silver | 107-1 | 473 | 483 | 490 | 482 | 1.74 | cps |
| Silver | 109-1 | 400 | 467 | 513 | 460 | 12.38 | cps |
| Sodium | 23-2 | 59843122 | 60598114 | 59334387 | 59925208 | 1.06 | cps |
| Strontium | 86-1 | 563845 | 571302 | 577619 | 570922 | 1.21 | cps |
| Strontium | 88-1 | 5014718 | 5067979 | 5119713 | 5067470 | 1.04 | cps |
| Sulfur | 34-1 | 230255 | 230862 | 233416 | 231511 | 0.72 | cps |
| Terbium | 159-1 | 9660278 | 9611402 | 9741132 | 9670937 | 0.68 | cps |
| Terbium | 159-2 | 6609091 | 6596210 | 6511769 | 6572357 | 0.80 | cps |
| Thallium | 203-1 | 60 | 57 | 63 | 60 | 5.55 | cps |
| Thallium | 205-1 | 183 | 177 | 150 | 170 | 10.38 | cps |
| Tin | 118-1 | 6642 | 6588 | 6488 | 6573 | 1.18 | cps |
| Titanium | 47-1 | 587 | 597 | 597 | 593 | 0.97 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3429-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:47:26 | DataFile Name : | 033SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 277 | 260 | 357 | 298 | 17.35 | cps |
| Vanadium | 51-2 | 650 | 717 | 663 | 677 | 5.21 | cps |
| Yttrium | 89-1 | 10681005 | 10358144 | 10757967 | 10599038 | 2.00 | cps |
| Yttrium | 89-2 | 2371008 | 2377842 | 2387086 | 2378645 | 0.34 | cps |
| Zinc | 66-2 | 13763 | 14000 | 13573 | 13779 | 1.55 | cps |
| Zirconium | 90-1 | 1387 | 1417 | 1723 | 1509 | 12.35 | cps |
| Zirconium | 91-1 | 313 | 290 | 317 | 307 | 4.74 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3429-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 931-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:50:39 | DataFile Name : | 034SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 23104 | 22577 | 23151 | 22944 | 1.39 | cps |
| Antimony | 121-1 | 1440 | 1603 | 1587 | 1543 | 5.82 | cps |
| Arsenic | 75-2 | 2594 | 2527 | 2497 | 2539 | 1.95 | cps |
| Barium | 135-1 | 177939 | 179604 | 178930 | 178824 | 0.47 | cps |
| Barium | 137-1 | 306603 | 312074 | 311349 | 310009 | 0.96 | cps |
| Beryllium | 9-1 | 137 | 167 | 150 | 151 | 9.95 | cps |
| Bismuth | 209-1 | 5734559 | 5662342 | 5763384 | 5720095 | 0.91 | cps |
| Bismuth | 209-2 | 4834399 | 4629733 | 4725781 | 4729971 | 2.16 | cps |
| Bromine | 81-1 | 40409 | 42471 | 42297 | 41725 | 2.74 | cps |
| Bromine | 81-2 | 5308 | 5304 | 5401 | 5338 | 1.03 | cps |
| Cadmium | 108-1 | 20 | 23 | 20 | 21 | 9.11 | cps |
| Cadmium | 106-1 | 2704 | 2684 | 2497 | 2628 | 4.34 | cps |
| Cadmium | 111-1 | 1972 | 2009 | 1851 | 1944 | 4.26 | cps |
| Calcium | 43-1 | 205259 | 204337 | 204474 | 204690 | 0.24 | cps |
| Calcium | 44-1 | 3123225 | 3100316 | 3091198 | 3104913 | 0.53 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 9270 | 9750 | 9440 | 9486 | 2.57 | cps |
| Cobalt | 59-2 | 22934 | 22484 | 22914 | 22777 | 1.12 | cps |
| Copper | 63-2 | 8322 | 8379 | 8172 | 8291 | 1.29 | cps |
| Dysprosium | 156-1 | 2537 | 2724 | 2494 | 2585 | 4.73 | cps |
| Dysprosium | 156-2 | 1910 | 1927 | 1857 | 1898 | 1.93 | cps |
| Erbium | 164-1 | 3037 | 2764 | 2950 | 2917 | 4.79 | cps |
| Erbium | 164-2 | 1897 | 1994 | 2050 | 1980 | 3.92 | cps |
| Gadolinium | 160-1 | 2800 | 2900 | 2700 | 2800 | 3.57 | cps |
| Gadolinium | 160-2 | 2237 | 2250 | 2314 | 2267 | 1.81 | cps |
| Holmium | 165-1 | 9791691 | 9865770 | 9656305 | 9771255 | 1.09 | cps |
| Holmium | 165-2 | 6741668 | 6520823 | 6677883 | 6646791 | 1.71 | cps |
| Indium | 115-1 | 8226056 | 8264451 | 8351465 | 8280657 | 0.78 | cps |
| Indium | 115-2 | 2571234 | 2507780 | 2603301 | 2560772 | 1.90 | cps |
| Iron | 56-2 | 20075686 | 20582904 | 20346347 | 20334979 | 1.25 | cps |
| Iron | 57-2 | 534508 | 527873 | 525792 | 529391 | 0.86 | cps |
| Iron | 54-2 | 1160153 | 1169531 | 1153763 | 1161149 | 0.68 | cps |
| Krypton | 83-1 | 203 | 183 | 190 | 192 | 5.30 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3429-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 931-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:50:39 | DataFile Name : | 034SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 9210 | 9750 | 9313 | 9424 | 3.04 | cps |
| Lead | 207-1 | 7742 | 8002 | 8059 | 7935 | 2.13 | cps |
| Lead | 208-1 | 35945 | 37657 | 36476 | 36693 | 2.39 | cps |
| Lithium | 6-1 | 1794316 | 1796545 | 1763139 | 1784667 | 1.05 | cps |
| Magnesium | 24-2 | 719139 | 717489 | 718681 | 718437 | 0.12 | cps |
| Manganese | 55-2 | 2372098 | 2449297 | 2418111 | 2413169 | 1.61 | cps |
| Molybdenum | 94-1 | 3427 | 3297 | 3487 | 3404 | 2.85 | cps |
| Molybdenum | 95-1 | 2250 | 2154 | 2270 | 2225 | 2.81 | cps |
| Molybdenum | 96-1 | 2794 | 3194 | 2997 | 2995 | 6.68 | cps |
| Molybdenum | 97-1 | 1383 | 1357 | 1310 | 1350 | 2.75 | cps |
| Molybdenum | 98-1 | 3414 | 3377 | 3270 | 3354 | 2.22 | cps |
| Neodymium | 150-1 | 3674 | 3737 | 3607 | 3673 | 1.77 | cps |
| Neodymium | 150-2 | 1883 | 1857 | 1970 | 1903 | 3.11 | cps |
| Nickel | 60-2 | 10053 | 10247 | 10110 | 10137 | 0.98 | cps |
| Phosphorus | 31-2 | 1883 | 1567 | 1697 | 1716 | 9.28 | cps |
| Potassium | 39-2 | 721880 | 721550 | 726687 | 723372 | 0.40 | cps |
| Rhodium | 103-1 | 7845545 | 7868301 | 7608793 | 7774213 | 1.85 | cps |
| Rhodium | 103-2 | 4206151 | 4256171 | 4256101 | 4239474 | 0.68 | cps |
| Scandium | 45-1 | 5155148 | 5219402 | 5244277 | 5206276 | 0.88 | cps |
| Scandium | 45-2 | 355210 | 352290 | 356160 | 354553 | 0.57 | cps |
| Selenium | 82-1 | 329 | 362 | 378 | 356 | 7.05 | cps |
| Selenium | 77-2 | 13 | 7 | 3 | 8 | 65.47 | cps |
| Selenium | 78-2 | 210 | 193 | 190 | 198 | 5.42 | cps |
| Silicon | 28-1 | 15968189 | 16109255 | 16569183 | 16215542 | 1.94 | cps |
| Silver | 107-1 | 247 | 280 | 370 | 299 | 21.35 | cps |
| Silver | 109-1 | 200 | 233 | 213 | 216 | 7.78 | cps |
| Sodium | 23-2 | 16488604 | 16609580 | 16573488 | 16557224 | 0.38 | cps |
| Strontium | 86-1 | 142136 | 142613 | 143892 | 142880 | 0.64 | cps |
| Strontium | 88-1 | 1219859 | 1224462 | 1238190 | 1227504 | 0.78 | cps |
| Sulfur | 34-1 | 248255 | 249410 | 247896 | 248520 | 0.32 | cps |
| Terbium | 159-1 | 9894070 | 9981102 | 10203046 | 10026073 | 1.59 | cps |
| Terbium | 159-2 | 6598332 | 6638890 | 6486946 | 6574723 | 1.20 | cps |
| Thallium | 203-1 | 100 | 173 | 120 | 131 | 28.92 | cps |
| Thallium | 205-1 | 260 | 247 | 290 | 266 | 8.36 | cps |
| Tin | 118-1 | 4384 | 4884 | 4621 | 4630 | 5.40 | cps |
| Titanium | 47-1 | 2894 | 3004 | 2817 | 2905 | 3.23 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3429-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 931-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:50:39 | DataFile Name : | 034SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1360 | 1360 | 1453 | 1391 | 3.87 | cps |
| Vanadium | 51-2 | 4577 | 4571 | 4634 | 4594 | 0.76 | cps |
| Yttrium | 89-1 | 10766509 | 11032949 | 11081154 | 10960204 | 1.55 | cps |
| Yttrium | 89-2 | 2462825 | 2480072 | 2447175 | 2463357 | 0.67 | cps |
| Zinc | 66-2 | 14561 | 14120 | 14280 | 14320 | 1.56 | cps |
| Zirconium | 90-1 | 5955 | 5725 | 5941 | 5873 | 2.20 | cps |
| Zirconium | 91-1 | 1383 | 1343 | 1233 | 1320 | 5.88 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3429-03 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:53:52 | DataFile Name : | 035SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 17573 | 17390 | 17443 | 17469 | 0.54 | cps |
| Antimony | 121-1 | 727 | 763 | 767 | 752 | 2.95 | cps |
| Arsenic | 75-2 | 1663 | 1480 | 1460 | 1535 | 7.30 | cps |
| Barium | 135-1 | 439863 | 443590 | 445207 | 442886 | 0.62 | cps |
| Barium | 137-1 | 764337 | 777208 | 771829 | 771125 | 0.84 | cps |
| Beryllium | 9-1 | 93 | 93 | 60 | 82 | 23.40 | cps |
| Bismuth | 209-1 | 5441485 | 5397759 | 5429081 | 5422775 | 0.42 | cps |
| Bismuth | 209-2 | 4547568 | 4435037 | 4543988 | 4508864 | 1.42 | cps |
| Bromine | 81-1 | 70793 | 90022 | 100432 | 87082 | 17.27 | cps |
| Bromine | 81-2 | 16299 | 16349 | 16966 | 16538 | 2.25 | cps |
| Cadmium | 108-1 | 27 | 10 | 37 | 24 | 55.11 | cps |
| Cadmium | 106-1 | 2710 | 2714 | 2464 | 2629 | 5.45 | cps |
| Cadmium | 111-1 | 1975 | 1966 | 1776 | 1906 | 5.91 | cps |
| Calcium | 43-1 | 712459 | 710212 | 718204 | 713625 | 0.58 | cps |
| Calcium | 44-1 | 10624717 | 10703807 | 10657082 | 10661869 | 0.37 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 2930 | 2824 | 2924 | 2893 | 2.07 | cps |
| Cobalt | 59-2 | 6075 | 5674 | 5561 | 5770 | 4.68 | cps |
| Copper | 63-2 | 6465 | 6431 | 6388 | 6428 | 0.60 | cps |
| Dysprosium | 156-1 | 643 | 747 | 680 | 690 | 7.59 | cps |
| Dysprosium | 156-2 | 440 | 410 | 433 | 428 | 3.68 | cps |
| Erbium | 164-1 | 680 | 667 | 727 | 691 | 4.56 | cps |
| Erbium | 164-2 | 513 | 433 | 427 | 458 | 10.54 | cps |
| Gadolinium | 160-1 | 683 | 630 | 663 | 659 | 4.09 | cps |
| Gadolinium | 160-2 | 713 | 793 | 777 | 761 | 5.55 | cps |
| Holmium | 165-1 | 9716125 | 9641665 | 9532911 | 9630233 | 0.96 | cps |
| Holmium | 165-2 | 6451052 | 6513312 | 6565945 | 6510103 | 0.88 | cps |
| Indium | 115-1 | 8165095 | 8003629 | 8099890 | 8089538 | 1.00 | cps |
| Indium | 115-2 | 2547978 | 2506797 | 2498736 | 2517837 | 1.05 | cps |
| Iron | 56-2 | 44510091 | 44018439 | 44609564 | 44379365 | 0.71 | cps |
| Iron | 57-2 | 1169755 | 1166707 | 1172996 | 1169819 | 0.27 | cps |
| Iron | 54-2 | 2463654 | 2377366 | 2415322 | 2418781 | 1.79 | cps |
| Krypton | 83-1 | 170 | 197 | 160 | 176 | 10.80 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3429-03 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:53:52 | DataFile Name : | 035SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 9013 | 9757 | 9537 | 9436 | 4.05 | cps |
| Lead | 207-1 | 7966 | 7839 | 7926 | 7910 | 0.82 | cps |
| Lead | 208-1 | 35805 | 37007 | 36516 | 36443 | 1.66 | cps |
| Lithium | 6-1 | 1666595 | 1804763 | 1702197 | 1724518 | 4.16 | cps |
| Magnesium | 24-2 | 2366076 | 2330251 | 2356394 | 2350907 | 0.79 | cps |
| Manganese | 55-2 | 13384587 | 13391041 | 13227511 | 13334379 | 0.69 | cps |
| Molybdenum | 94-1 | 2174 | 2167 | 2337 | 2226 | 4.33 | cps |
| Molybdenum | 95-1 | 2890 | 2740 | 3080 | 2904 | 5.87 | cps |
| Molybdenum | 96-1 | 3901 | 3330 | 3534 | 3588 | 8.06 | cps |
| Molybdenum | 97-1 | 1967 | 1443 | 1493 | 1635 | 17.68 | cps |
| Molybdenum | 98-1 | 4985 | 3941 | 4157 | 4361 | 12.64 | cps |
| Neodymium | 150-1 | 783 | 863 | 853 | 833 | 5.23 | cps |
| Neodymium | 150-2 | 420 | 453 | 493 | 456 | 8.06 | cps |
| Nickel | 60-2 | 3537 | 3554 | 3480 | 3524 | 1.09 | cps |
| Phosphorus | 31-2 | 1317 | 1280 | 1173 | 1257 | 5.93 | cps |
| Potassium | 39-2 | 1383000 | 1371174 | 1369278 | 1374484 | 0.54 | cps |
| Rhodium | 103-1 | 7549508 | 7520559 | 7548438 | 7539502 | 0.22 | cps |
| Rhodium | 103-2 | 4237907 | 4054228 | 4091459 | 4127865 | 2.35 | cps |
| Scandium | 45-1 | 5088539 | 5120730 | 5142073 | 5117114 | 0.53 | cps |
| Scandium | 45-2 | 352419 | 351173 | 352079 | 351890 | 0.18 | cps |
| Selenium | 82-1 | 370 | 289 | 380 | 346 | 14.43 | cps |
| Selenium | 77-2 | 7 | 0 | 3 | 3 | 100.05 | cps |
| Selenium | 78-2 | 190 | 167 | 203 | 187 | 9.94 | cps |
| Silicon | 28-1 | 18031570 | 18244148 | 18313435 | 18196384 | 0.81 | cps |
| Silver | 107-1 | 11832 | 12419 | 12279 | 12176 | 2.52 | cps |
| Silver | 109-1 | 11128 | 11231 | 11381 | 11247 | 1.13 | cps |
| Sodium | 23-2 | 53333643 | 52630768 | 52856343 | 52940251 | 0.68 | cps |
| Strontium | 86-1 | 580674 | 593459 | 585726 | 586619 | 1.10 | cps |
| Strontium | 88-1 | 5155880 | 5121760 | 5146637 | 5141426 | 0.34 | cps |
| Sulfur | 34-1 | 229705 | 231982 | 231784 | 231157 | 0.55 | cps |
| Terbium | 159-1 | 9735555 | 10065598 | 10151015 | 9984056 | 2.20 | cps |
| Terbium | 159-2 | 6563162 | 6482891 | 6434465 | 6493506 | 1.00 | cps |
| Thallium | 203-1 | 103 | 73 | 63 | 80 | 26.03 | cps |
| Thallium | 205-1 | 220 | 193 | 220 | 211 | 7.29 | cps |
| Tin | 118-1 | 10914 | 12192 | 11378 | 11495 | 5.63 | cps |
| Titanium | 47-1 | 3544 | 3307 | 3520 | 3457 | 3.77 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3429-03 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-WS-073124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:53:52 | DataFile Name : | 035SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 627 | 737 | 727 | 697 | 8.73 | cps |
| Vanadium | 51-2 | 16880 | 16366 | 16516 | 16587 | 1.59 | cps |
| Yttrium | 89-1 | 10678217 | 10835369 | 10652151 | 10721912 | 0.92 | cps |
| Yttrium | 89-2 | 2471970 | 2433204 | 2389221 | 2431465 | 1.70 | cps |
| Zinc | 66-2 | 19066 | 18378 | 18935 | 18793 | 1.94 | cps |
| Zirconium | 90-1 | 2154 | 2150 | 2367 | 2224 | 5.58 | cps |
| Zirconium | 91-1 | 530 | 453 | 457 | 480 | 9.03 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3451-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 921-J-WS-080124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:57:04 | DataFile Name : | 036SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 17253 | 17283 | 17220 | 17252 | 0.18 | cps |
| Antimony | 121-1 | 1660 | 1557 | 1537 | 1585 | 4.18 | cps |
| Arsenic | 75-2 | 710 | 710 | 677 | 699 | 2.75 | cps |
| Barium | 135-1 | 77218 | 77376 | 77265 | 77286 | 0.10 | cps |
| Barium | 137-1 | 133076 | 132713 | 133503 | 133097 | 0.30 | cps |
| Beryllium | 9-1 | 53 | 57 | 47 | 52 | 9.75 | cps |
| Bismuth | 209-1 | 5376260 | 5458197 | 5596846 | 5477101 | 2.04 | cps |
| Bismuth | 209-2 | 4510647 | 4709277 | 4616955 | 4612293 | 2.16 | cps |
| Bromine | 81-1 | 31146 | 31881 | 32182 | 31736 | 1.68 | cps |
| Bromine | 81-2 | 3797 | 3767 | 3577 | 3714 | 3.21 | cps |
| Cadmium | 108-1 | 7 | 13 | 20 | 13 | 49.99 | cps |
| Cadmium | 106-1 | 2367 | 2577 | 2547 | 2497 | 4.55 | cps |
| Cadmium | 111-1 | 1692 | 1851 | 1809 | 1784 | 4.62 | cps |
| Calcium | 43-1 | 288197 | 291380 | 293044 | 290874 | 0.85 | cps |
| Calcium | 44-1 | 4266380 | 4410902 | 4375552 | 4350945 | 1.73 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1610 | 1620 | 1783 | 1671 | 5.82 | cps |
| Cobalt | 59-2 | 1707 | 1767 | 1790 | 1755 | 2.45 | cps |
| Copper | 63-2 | 7422 | 7535 | 7365 | 7441 | 1.16 | cps |
| Dysprosium | 156-1 | 337 | 317 | 363 | 339 | 6.91 | cps |
| Dysprosium | 156-2 | 250 | 293 | 220 | 254 | 14.49 | cps |
| Erbium | 164-1 | 320 | 417 | 353 | 363 | 13.51 | cps |
| Erbium | 164-2 | 220 | 187 | 250 | 219 | 14.47 | cps |
| Gadolinium | 160-1 | 300 | 327 | 377 | 334 | 11.64 | cps |
| Gadolinium | 160-2 | 463 | 503 | 463 | 477 | 4.84 | cps |
| Holmium | 165-1 | 9220678 | 9475417 | 9446860 | 9380985 | 1.49 | cps |
| Holmium | 165-2 | 6477226 | 6472041 | 6516743 | 6488670 | 0.38 | cps |
| Indium | 115-1 | 7793999 | 8083866 | 8049861 | 7975909 | 1.99 | cps |
| Indium | 115-2 | 2539075 | 2493999 | 2474135 | 2502403 | 1.33 | cps |
| Iron | 56-2 | 5771764 | 5771196 | 5728936 | 5757299 | 0.43 | cps |
| Iron | 57-2 | 153738 | 154151 | 154031 | 153973 | 0.14 | cps |
| Iron | 54-2 | 333304 | 329387 | 329356 | 330682 | 0.69 | cps |
| Krypton | 83-1 | 217 | 187 | 173 | 192 | 11.55 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3451-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 921-J-WS-080124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:57:04 | DataFile Name : | 036SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 11228 | 11465 | 11612 | 11435 | 1.69 | cps |
| Lead | 207-1 | 9904 | 9794 | 10141 | 9946 | 1.78 | cps |
| Lead | 208-1 | 43844 | 44943 | 45643 | 44810 | 2.02 | cps |
| Lithium | 6-1 | 1668995 | 1735700 | 1702390 | 1702362 | 1.96 | cps |
| Magnesium | 24-2 | 499667 | 503867 | 497611 | 500382 | 0.64 | cps |
| Manganese | 55-2 | 580655 | 580070 | 573733 | 578152 | 0.66 | cps |
| Molybdenum | 94-1 | 1430 | 1410 | 1694 | 1511 | 10.48 | cps |
| Molybdenum | 95-1 | 1427 | 1657 | 1593 | 1559 | 7.62 | cps |
| Molybdenum | 96-1 | 1840 | 1760 | 1903 | 1835 | 3.92 | cps |
| Molybdenum | 97-1 | 1033 | 927 | 993 | 984 | 5.47 | cps |
| Molybdenum | 98-1 | 2437 | 2420 | 2684 | 2514 | 5.87 | cps |
| Neodymium | 150-1 | 460 | 430 | 530 | 473 | 10.84 | cps |
| Neodymium | 150-2 | 257 | 300 | 263 | 273 | 8.54 | cps |
| Nickel | 60-2 | 913 | 910 | 953 | 926 | 2.61 | cps |
| Phosphorus | 31-2 | 803 | 837 | 737 | 792 | 6.43 | cps |
| Potassium | 39-2 | 642523 | 645312 | 643748 | 643861 | 0.22 | cps |
| Rhodium | 103-1 | 7469082 | 7458730 | 7377164 | 7434992 | 0.68 | cps |
| Rhodium | 103-2 | 4206168 | 4219607 | 4265698 | 4230491 | 0.74 | cps |
| Scandium | 45-1 | 5003250 | 5039182 | 5086073 | 5042835 | 0.82 | cps |
| Scandium | 45-2 | 347586 | 346958 | 347748 | 347431 | 0.12 | cps |
| Selenium | 82-1 | 244 | 259 | 355 | 286 | 21.09 | cps |
| Selenium | 77-2 | 3 | 0 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 193 | 173 | 140 | 169 | 15.95 | cps |
| Silicon | 28-1 | 7049402 | 7137313 | 7240956 | 7142557 | 1.34 | cps |
| Silver | 107-1 | 283 | 343 | 307 | 311 | 9.72 | cps |
| Silver | 109-1 | 263 | 247 | 253 | 254 | 3.30 | cps |
| Sodium | 23-2 | 16052426 | 15997908 | 15879312 | 15976549 | 0.55 | cps |
| Strontium | 86-1 | 211317 | 217321 | 213135 | 213924 | 1.44 | cps |
| Strontium | 88-1 | 1882775 | 1907882 | 1887690 | 1892782 | 0.70 | cps |
| Sulfur | 34-1 | 282582 | 286828 | 285832 | 285081 | 0.78 | cps |
| Terbium | 159-1 | 9646289 | 9681684 | 9653256 | 9660410 | 0.19 | cps |
| Terbium | 159-2 | 6523280 | 6438915 | 6268908 | 6410368 | 2.02 | cps |
| Thallium | 203-1 | 60 | 67 | 57 | 61 | 8.33 | cps |
| Thallium | 205-1 | 170 | 137 | 123 | 143 | 16.77 | cps |
| Tin | 118-1 | 2490 | 2507 | 2684 | 2560 | 4.19 | cps |
| Titanium | 47-1 | 2644 | 2697 | 2734 | 2691 | 1.68 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3451-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 921-J-WS-080124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 17:57:04 | DataFile Name : | 036SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 517 | 607 | 697 | 607 | 14.84 | cps |
| Vanadium | 51-2 | 3397 | 3290 | 3197 | 3295 | 3.04 | cps |
| Yttrium | 89-1 | 10521164 | 10428895 | 10533635 | 10494565 | 0.55 | cps |
| Yttrium | 89-2 | 2420994 | 2450826 | 2423357 | 2431726 | 0.68 | cps |
| Zinc | 66-2 | 4191 | 4231 | 4054 | 4158 | 2.23 | cps |
| Zirconium | 90-1 | 1527 | 1470 | 1590 | 1529 | 3.93 | cps |
| Zirconium | 91-1 | 373 | 347 | 297 | 339 | 11.49 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3467-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 919-J-WS-080224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:00:16 | DataFile Name : | 037SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 133562 | 131616 | 131659 | 132279 | 0.84 | cps |
| Antimony | 121-1 | 3244 | 3240 | 3130 | 3205 | 2.01 | cps |
| Arsenic | 75-2 | 1887 | 1897 | 1847 | 1877 | 1.41 | cps |
| Barium | 135-1 | 119403 | 119997 | 119782 | 119727 | 0.25 | cps |
| Barium | 137-1 | 207173 | 209759 | 208396 | 208443 | 0.62 | cps |
| Beryllium | 9-1 | 203 | 177 | 170 | 183 | 9.62 | cps |
| Bismuth | 209-1 | 5828276 | 4959375 | 5789336 | 5525662 | 8.88 | cps |
| Bismuth | 209-2 | 4860643 | 4819331 | 4680640 | 4786871 | 1.97 | cps |
| Bromine | 81-1 | 21179 | 22404 | 22477 | 22020 | 3.31 | cps |
| Bromine | 81-2 | 2464 | 2350 | 2600 | 2471 | 5.07 | cps |
| Cadmium | 108-1 | 67 | 63 | 50 | 60 | 14.70 | cps |
| Cadmium | 106-1 | 2557 | 2347 | 2384 | 2429 | 4.62 | cps |
| Cadmium | 111-1 | 2227 | 2109 | 2177 | 2171 | 2.73 | cps |
| Calcium | 43-1 | 312388 | 313628 | 307887 | 311301 | 0.97 | cps |
| Calcium | 44-1 | 4672795 | 4678928 | 4590829 | 4647517 | 1.06 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 9490 | 9573 | 9323 | 9462 | 1.35 | cps |
| Cobalt | 59-2 | 7832 | 8302 | 7765 | 7967 | 3.67 | cps |
| Copper | 63-2 | 57249 | 57644 | 56108 | 57000 | 1.40 | cps |
| Dysprosium | 156-1 | 2590 | 2604 | 2507 | 2567 | 2.04 | cps |
| Dysprosium | 156-2 | 1987 | 1790 | 1930 | 1902 | 5.32 | cps |
| Erbium | 164-1 | 2534 | 2214 | 2314 | 2354 | 6.96 | cps |
| Erbium | 164-2 | 1627 | 1583 | 1607 | 1606 | 1.35 | cps |
| Gadolinium | 160-1 | 2554 | 2557 | 2597 | 2569 | 0.94 | cps |
| Gadolinium | 160-2 | 1837 | 2100 | 1960 | 1966 | 6.70 | cps |
| Holmium | 165-1 | 10171349 | 8380571 | 9707871 | 9419930 | 9.87 | cps |
| Holmium | 165-2 | 6630721 | 6589297 | 6718297 | 6646105 | 0.99 | cps |
| Indium | 115-1 | 8398762 | 7130578 | 8222539 | 7917293 | 8.68 | cps |
| Indium | 115-2 | 2573058 | 2599426 | 2546130 | 2572871 | 1.04 | cps |
| Iron | 56-2 | 20204783 | 19679226 | 19966493 | 19950167 | 1.32 | cps |
| Iron | 57-2 | 522747 | 522696 | 517903 | 521115 | 0.53 | cps |
| Iron | 54-2 | 1138931 | 1143815 | 1134017 | 1138921 | 0.43 | cps |
| Krypton | 83-1 | 173 | 207 | 240 | 207 | 16.13 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3467-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 919-J-WS-080224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:00:16 | DataFile Name : | 037SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 74567 | 74446 | 73658 | 74224 | 0.66 | cps |
| Lead | 207-1 | 63163 | 62319 | 62486 | 62656 | 0.71 | cps |
| Lead | 208-1 | 290494 | 290260 | 287134 | 289296 | 0.65 | cps |
| Lithium | 6-1 | 1792056 | 1541166 | 1753485 | 1695569 | 7.97 | cps |
| Magnesium | 24-2 | 573271 | 566031 | 568329 | 569210 | 0.65 | cps |
| Manganese | 55-2 | 892916 | 881353 | 878971 | 884413 | 0.84 | cps |
| Molybdenum | 94-1 | 3204 | 3034 | 3080 | 3106 | 2.83 | cps |
| Molybdenum | 95-1 | 1803 | 1903 | 1783 | 1830 | 3.51 | cps |
| Molybdenum | 96-1 | 2660 | 2530 | 2500 | 2564 | 3.32 | cps |
| Molybdenum | 97-1 | 1143 | 1153 | 1153 | 1150 | 0.50 | cps |
| Molybdenum | 98-1 | 2930 | 2867 | 3170 | 2989 | 5.35 | cps |
| Neodymium | 150-1 | 3574 | 3550 | 3527 | 3550 | 0.66 | cps |
| Neodymium | 150-2 | 1907 | 1953 | 2007 | 1956 | 2.56 | cps |
| Nickel | 60-2 | 3367 | 3467 | 3227 | 3354 | 3.60 | cps |
| Phosphorus | 31-2 | 2374 | 2304 | 2387 | 2355 | 1.90 | cps |
| Potassium | 39-2 | 658971 | 659243 | 651731 | 656648 | 0.65 | cps |
| Rhodium | 103-1 | 7754504 | 6812706 | 7749083 | 7438764 | 7.29 | cps |
| Rhodium | 103-2 | 4336984 | 4406427 | 4238696 | 4327369 | 1.95 | cps |
| Scandium | 45-1 | 5320569 | 4566140 | 5215661 | 5034123 | 8.12 | cps |
| Scandium | 45-2 | 356183 | 354338 | 357305 | 355942 | 0.42 | cps |
| Selenium | 82-1 | 339 | 255 | 324 | 306 | 14.64 | cps |
| Selenium | 77-2 | 7 | 17 | 7 | 10 | 57.72 | cps |
| Selenium | 78-2 | 190 | 173 | 203 | 189 | 7.96 | cps |
| Silicon | 28-1 | 11291924 | 11415671 | 11343479 | 11350358 | 0.55 | cps |
| Silver | 107-1 | 1843 | 1763 | 1877 | 1828 | 3.19 | cps |
| Silver | 109-1 | 1717 | 1800 | 1780 | 1766 | 2.46 | cps |
| Sodium | 23-2 | 15414917 | 15453061 | 15057213 | 15308397 | 1.43 | cps |
| Strontium | 86-1 | 227644 | 230344 | 228257 | 228748 | 0.62 | cps |
| Strontium | 88-1 | 2014000 | 2020280 | 2020094 | 2018125 | 0.18 | cps |
| Sulfur | 34-1 | 286209 | 288511 | 282671 | 285797 | 1.03 | cps |
| Terbium | 159-1 | 10360191 | 8755715 | 10137552 | 9751153 | 8.91 | cps |
| Terbium | 159-2 | 6555821 | 6578541 | 6634665 | 6589675 | 0.62 | cps |
| Thallium | 203-1 | 217 | 223 | 253 | 231 | 8.45 | cps |
| Thallium | 205-1 | 687 | 600 | 550 | 612 | 11.29 | cps |
| Tin | 118-1 | 3520 | 3557 | 3737 | 3605 | 3.22 | cps |
| Titanium | 47-1 | 24730 | 25281 | 24857 | 24956 | 1.16 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3467-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 919-J-WS-080224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:00:16 | DataFile Name : | 037SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 2257 | 2240 | 2224 | 2240 | 0.74 | cps |
| Vanadium | 51-2 | 10377 | 10197 | 9913 | 10162 | 2.30 | cps |
| Yttrium | 89-1 | 11206842 | 9509674 | 11087512 | 10601343 | 8.94 | cps |
| Yttrium | 89-2 | 2495445 | 2521952 | 2490994 | 2502797 | 0.67 | cps |
| Zinc | 66-2 | 60231 | 61048 | 60830 | 60703 | 0.70 | cps |
| Zirconium | 90-1 | 5491 | 5768 | 5888 | 5716 | 3.56 | cps |
| Zirconium | 91-1 | 1333 | 1300 | 1173 | 1269 | 6.65 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV02 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV02 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:03:30 | DataFile Name : | 038CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5729447 | 5715747 | 5692460 | 5712551 | 0.33 | cps |
| Antimony | 121-1 | 3364623 | 3399980 | 3417030 | 3393877 | 0.79 | cps |
| Arsenic | 75-2 | 154822 | 156748 | 155576 | 155715 | 0.62 | cps |
| Barium | 135-1 | 3984480 | 3882350 | 4023854 | 3963561 | 1.84 | cps |
| Barium | 137-1 | 6776862 | 6655276 | 6731942 | 6721360 | 0.91 | cps |
| Beryllium | 9-1 | 645433 | 654642 | 652690 | 650922 | 0.75 | cps |
| Bismuth | 209-1 | 5359256 | 5406812 | 5357654 | 5374574 | 0.52 | cps |
| Bismuth | 209-2 | 4386275 | 4441801 | 4390937 | 4406337 | 0.70 | cps |
| Bromine | 81-1 | 9340 | 9430 | 8996 | 9255 | 2.47 | cps |
| Bromine | 81-2 | 297 | 223 | 280 | 267 | 14.42 | cps |
| Cadmium | 108-1 | 55094 | 56175 | 56135 | 55801 | 1.10 | cps |
| Cadmium | 106-1 | 81406 | 83354 | 81903 | 82221 | 1.23 | cps |
| Cadmium | 111-1 | 746953 | 762131 | 752909 | 753998 | 1.01 | cps |
| Calcium | 43-1 | 4746009 | 4736405 | 4681697 | 4721370 | 0.73 | cps |
| Calcium | 44-1 | 75256026 | 75310191 | 75001979 | 75189398 | 0.22 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1121061 | 1138700 | 1140219 | 1133327 | 0.94 | cps |
| Cobalt | 59-2 | 1686026 | 1711169 | 1690174 | 1695790 | 0.79 | cps |
| Copper | 63-2 | 11503812 | 11557444 | 11683802 | 11581686 | 0.80 | cps |
| Dysprosium | 156-1 | 213 | 200 | 200 | 204 | 3.77 | cps |
| Dysprosium | 156-2 | 253 | 327 | 317 | 299 | 13.31 | cps |
| Erbium | 164-1 | 220 | 267 | 200 | 229 | 14.95 | cps |
| Erbium | 164-2 | 120 | 110 | 127 | 119 | 7.06 | cps |
| Gadolinium | 160-1 | 150 | 167 | 170 | 162 | 6.61 | cps |
| Gadolinium | 160-2 | 420 | 400 | 453 | 424 | 6.35 | cps |
| Holmium | 165-1 | 9384429 | 9709167 | 9649671 | 9581089 | 1.80 | cps |
| Holmium | 165-2 | 6597933 | 6591432 | 6486014 | 6558460 | 0.96 | cps |
| Indium | 115-1 | 7780315 | 7890598 | 7777720 | 7816211 | 0.82 | cps |
| Indium | 115-2 | 2420961 | 2449227 | 2448351 | 2439513 | 0.66 | cps |
| Iron | 56-2 | 237200756 | 243703103 | 243229450 | 241377770 | 1.50 | cps |
| Iron | 57-2 | 6007524 | 5942078 | 5864243 | 5937948 | 1.21 | cps |
| Iron | 54-2 | 12942961 | 13301715 | 13187450 | 13144042 | 1.39 | cps |
| Krypton | 83-1 | 223 | 227 | 233 | 228 | 2.24 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV02 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV02 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:03:30 | DataFile Name : | 038CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10094233 | 10143573 | 10346635 | 10194814 | 1.31 | cps |
| Lead | 207-1 | 9021335 | 9041525 | 8830890 | 8964583 | 1.30 | cps |
| Lead | 208-1 | 41148554 | 40811104 | 40947749 | 40969136 | 0.41 | cps |
| Lithium | 6-1 | 1659759 | 1684884 | 1681241 | 1675295 | 0.81 | cps |
| Magnesium | 24-2 | 51663093 | 50716953 | 51293668 | 51224571 | 0.93 | cps |
| Manganese | 55-2 | 7796384 | 8040874 | 8002692 | 7946650 | 1.66 | cps |
| Molybdenum | 94-1 | 11957101 | 11888410 | 11929791 | 11925101 | 0.29 | cps |
| Molybdenum | 95-1 | 17436731 | 17507241 | 17530056 | 17491342 | 0.28 | cps |
| Molybdenum | 96-1 | 18823645 | 19531363 | 18935870 | 19096959 | 1.99 | cps |
| Molybdenum | 97-1 | 10852796 | 11076787 | 10899094 | 10942892 | 1.08 | cps |
| Molybdenum | 98-1 | 27625060 | 28338839 | 28117358 | 28027085 | 1.30 | cps |
| Neodymium | 150-1 | 240 | 303 | 323 | 289 | 15.06 | cps |
| Neodymium | 150-2 | 117 | 103 | 113 | 111 | 6.25 | cps |
| Nickel | 60-2 | 430515 | 427301 | 428202 | 428672 | 0.39 | cps |
| Phosphorus | 31-2 | 65674 | 66162 | 67391 | 66409 | 1.33 | cps |
| Potassium | 39-2 | 30183841 | 29895637 | 30299997 | 30126492 | 0.69 | cps |
| Rhodium | 103-1 | 7054423 | 7063792 | 7001788 | 7040001 | 0.47 | cps |
| Rhodium | 103-2 | 3976136 | 4014787 | 4015805 | 4002243 | 0.57 | cps |
| Scandium | 45-1 | 5109056 | 5044928 | 4973218 | 5042401 | 1.35 | cps |
| Scandium | 45-2 | 349058 | 349524 | 355215 | 351266 | 0.98 | cps |
| Selenium | 82-1 | 50084 | 50033 | 50712 | 50276 | 0.75 | cps |
| Selenium | 77-2 | 4091 | 4014 | 4161 | 4088 | 1.79 | cps |
| Selenium | 78-2 | 13950 | 13857 | 13927 | 13911 | 0.35 | cps |
| Silicon | 28-1 | 31655059 | 32543201 | 32213178 | 32137146 | 1.40 | cps |
| Silver | 107-1 | 3700108 | 3743997 | 3779336 | 3741147 | 1.06 | cps |
| Silver | 109-1 | 3574568 | 3516762 | 3453524 | 3514951 | 1.72 | cps |
| Sodium | 23-2 | 81321837 | 81003602 | 81550079 | 81291839 | 0.34 | cps |
| Strontium | 86-1 | 25214452 | 25832393 | 25113097 | 25386647 | 1.53 | cps |
| Strontium | 88-1 | 219666697 | 223881423 | 225075043 | 222874388 | 1.27 | cps |
| Sulfur | 34-1 | 497789 | 498941 | 493420 | 496716 | 0.59 | cps |
| Terbium | 159-1 | 9932695 | 9955002 | 9864009 | 9917235 | 0.48 | cps |
| Terbium | 159-2 | 6564852 | 6517760 | 6551840 | 6544817 | 0.37 | cps |
| Thallium | 203-1 | 2610138 | 2624364 | 2642876 | 2625793 | 0.63 | cps |
| Thallium | 205-1 | 6200333 | 6174705 | 6319776 | 6231605 | 1.24 | cps |
| Tin | 118-1 | 2571741 | 2630609 | 2572962 | 2591770 | 1.30 | cps |
| Titanium | 47-1 | 4885396 | 4904395 | 4775891 | 4855227 | 1.43 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV02 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV02 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:03:30 | DataFile Name : | 038CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8196791 | 8095908 | 7984437 | 8092379 | 1.31 | cps |
| Vanadium | 51-2 | 1022511 | 1021928 | 1029503 | 1024647 | 0.41 | cps |
| Yttrium | 89-1 | 10923937 | 10930817 | 10706273 | 10853676 | 1.18 | cps |
| Yttrium | 89-2 | 2407610 | 2397388 | 2440752 | 2415250 | 0.94 | cps |
| Zinc | 66-2 | 1975274 | 1973453 | 1943453 | 1964060 | 0.91 | cps |
| Zirconium | 90-1 | 5686145 | 5744257 | 5761036 | 5730479 | 0.69 | cps |
| Zirconium | 91-1 | 1267524 | 1283326 | 1299726 | 1283525 | 1.25 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB02 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB02 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:09:51 | DataFile Name : | 039CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 227 | 280 | 313 | 273 | 15.99 | cps |
| Antimony | 121-1 | 903 | 947 | 1080 | 977 | 9.43 | cps |
| Arsenic | 75-2 | 3 | 7 | 20 | 10 | 88.20 | cps |
| Barium | 135-1 | 150 | 120 | 120 | 130 | 13.32 | cps |
| Barium | 137-1 | 183 | 133 | 243 | 187 | 29.50 | cps |
| Beryllium | 9-1 | 87 | 80 | 93 | 87 | 7.69 | cps |
| Bismuth | 209-1 | 5615286 | 5624942 | 5555763 | 5598664 | 0.67 | cps |
| Bismuth | 209-2 | 4787135 | 4674229 | 4622949 | 4694771 | 1.79 | cps |
| Bromine | 81-1 | 8062 | 7852 | 8346 | 8087 | 3.06 | cps |
| Bromine | 81-2 | 167 | 133 | 103 | 134 | 23.57 | cps |
| Cadmium | 108-1 | 17 | 10 | 13 | 13 | 25.01 | cps |
| Cadmium | 106-1 | 2114 | 2324 | 2077 | 2171 | 6.13 | cps |
| Cadmium | 111-1 | 1514 | 1633 | 1474 | 1541 | 5.35 | cps |
| Calcium | 43-1 | 447 | 410 | 470 | 442 | 6.84 | cps |
| Calcium | 44-1 | 11922 | 11935 | 11538 | 11798 | 1.91 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 653 | 550 | 603 | 602 | 8.58 | cps |
| Cobalt | 59-2 | 107 | 100 | 97 | 101 | 5.04 | cps |
| Copper | 63-2 | 1027 | 1073 | 1117 | 1072 | 4.20 | cps |
| Dysprosium | 156-1 | 13 | 33 | 27 | 24 | 41.66 | cps |
| Dysprosium | 156-2 | 3 | 7 | 3 | 4 | 43.40 | cps |
| Erbium | 164-1 | 90 | 87 | 90 | 89 | 2.16 | cps |
| Erbium | 164-2 | 27 | 43 | 57 | 42 | 35.60 | cps |
| Gadolinium | 160-1 | 47 | 63 | 50 | 53 | 16.53 | cps |
| Gadolinium | 160-2 | 287 | 323 | 233 | 281 | 16.10 | cps |
| Holmium | 165-1 | 9265647 | 9286178 | 9369903 | 9307243 | 0.59 | cps |
| Holmium | 165-2 | 6621666 | 6487806 | 6409476 | 6506316 | 1.65 | cps |
| Indium | 115-1 | 8139475 | 7926763 | 8002273 | 8022837 | 1.34 | cps |
| Indium | 115-2 | 2620178 | 2530603 | 2494761 | 2548514 | 2.53 | cps |
| Iron | 56-2 | 15880 | 15492 | 15485 | 15619 | 1.45 | cps |
| Iron | 57-2 | 1607 | 1560 | 1640 | 1602 | 2.51 | cps |
| Iron | 54-2 | 1497 | 1527 | 1573 | 1532 | 2.52 | cps |
| Krypton | 83-1 | 243 | 163 | 163 | 190 | 24.31 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB02 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB02 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:09:51 | DataFile Name : | 039CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 597 | 433 | 463 | 498 | 17.47 | cps |
| Lead | 207-1 | 477 | 430 | 513 | 473 | 8.82 | cps |
| Lead | 208-1 | 2337 | 1887 | 2003 | 2076 | 11.25 | cps |
| Lithium | 6-1 | 1574058 | 1629353 | 1608214 | 1603875 | 1.74 | cps |
| Magnesium | 24-2 | 1530 | 1597 | 1640 | 1589 | 3.49 | cps |
| Manganese | 55-2 | 487 | 510 | 497 | 498 | 2.35 | cps |
| Molybdenum | 94-1 | 590 | 607 | 610 | 602 | 1.78 | cps |
| Molybdenum | 95-1 | 443 | 530 | 513 | 496 | 9.28 | cps |
| Molybdenum | 96-1 | 633 | 617 | 690 | 647 | 5.94 | cps |
| Molybdenum | 97-1 | 343 | 287 | 353 | 328 | 10.97 | cps |
| Molybdenum | 98-1 | 750 | 750 | 910 | 803 | 11.50 | cps |
| Neodymium | 150-1 | 17 | 20 | 3 | 13 | 66.16 | cps |
| Neodymium | 150-2 | 3 | 3 | 0 | 2 | 86.60 | cps |
| Nickel | 60-2 | 170 | 120 | 223 | 171 | 30.20 | cps |
| Phosphorus | 31-2 | 97 | 113 | 133 | 114 | 16.04 | cps |
| Potassium | 39-2 | 47949 | 47313 | 47267 | 47510 | 0.80 | cps |
| Rhodium | 103-1 | 7606669 | 7675429 | 7671516 | 7651205 | 0.50 | cps |
| Rhodium | 103-2 | 4385250 | 4302069 | 4300841 | 4329387 | 1.12 | cps |
| Scandium | 45-1 | 5039350 | 5020586 | 5019520 | 5026485 | 0.22 | cps |
| Scandium | 45-2 | 365738 | 360901 | 358991 | 361876 | 0.96 | cps |
| Selenium | 82-1 | 247 | 328 | 345 | 307 | 17.15 | cps |
| Selenium | 77-2 | 0 | 0 | 3 | 1 | 173.21 | cps |
| Selenium | 78-2 | 170 | 200 | 193 | 188 | 8.39 | cps |
| Silicon | 28-1 | 301255 | 299427 | 301978 | 300887 | 0.44 | cps |
| Silver | 107-1 | 183 | 207 | 173 | 188 | 9.11 | cps |
| Silver | 109-1 | 167 | 97 | 173 | 146 | 29.18 | cps |
| Sodium | 23-2 | 21008 | 20641 | 21331 | 20993 | 1.65 | cps |
| Strontium | 86-1 | 823 | 737 | 770 | 777 | 5.63 | cps |
| Strontium | 88-1 | 4031 | 3904 | 3784 | 3906 | 3.16 | cps |
| Sulfur | 34-1 | 204475 | 203279 | 202118 | 203291 | 0.58 | cps |
| Terbium | 159-1 | 9800505 | 9753487 | 9640112 | 9731368 | 0.85 | cps |
| Terbium | 159-2 | 6525383 | 6402694 | 6323530 | 6417202 | 1.58 | cps |
| Thallium | 203-1 | 157 | 123 | 90 | 123 | 27.03 | cps |
| Thallium | 205-1 | 277 | 283 | 243 | 268 | 8.00 | cps |
| Tin | 118-1 | 1033 | 1013 | 1083 | 1043 | 3.46 | cps |
| Titanium | 47-1 | 150 | 243 | 207 | 200 | 23.51 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB02 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB02 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:09:51 | DataFile Name : | 039CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 137 | 97 | 87 | 107 | 24.80 | cps |
| Vanadium | 51-2 | 30 | 13 | 3 | 16 | 86.63 | cps |
| Yttrium | 89-1 | 10694601 | 10752457 | 10745268 | 10730775 | 0.29 | cps |
| Yttrium | 89-2 | 2461765 | 2444436 | 2449212 | 2451804 | 0.37 | cps |
| Zinc | 66-2 | 680 | 703 | 687 | 690 | 1.74 | cps |
| Zirconium | 90-1 | 737 | 730 | 787 | 751 | 4.12 | cps |
| Zirconium | 91-1 | 133 | 160 | 157 | 150 | 9.68 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:13:06 | DataFile Name : | 040SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 7822 | 7702 | 7345 | 7623 | 3.25 | cps |
| Antimony | 121-1 | 600 | 810 | 813 | 741 | 16.49 | cps |
| Arsenic | 75-2 | 263 | 257 | 293 | 271 | 7.20 | cps |
| Barium | 135-1 | 101107 | 103003 | 103543 | 102551 | 1.25 | cps |
| Barium | 137-1 | 179444 | 181396 | 178839 | 179893 | 0.74 | cps |
| Beryllium | 9-1 | 107 | 67 | 63 | 79 | 30.57 | cps |
| Bismuth | 209-1 | 5492849 | 5528521 | 5385022 | 5468797 | 1.37 | cps |
| Bismuth | 209-2 | 4727279 | 4675374 | 4679828 | 4694160 | 0.61 | cps |
| Bromine | 81-1 | 41409 | 54259 | 61916 | 52528 | 19.73 | cps |
| Bromine | 81-2 | 9890 | 10013 | 10407 | 10104 | 2.67 | cps |
| Cadmium | 108-1 | 7 | 20 | 30 | 19 | 61.96 | cps |
| Cadmium | 106-1 | 2450 | 2384 | 2494 | 2442 | 2.27 | cps |
| Cadmium | 111-1 | 1777 | 1708 | 1761 | 1749 | 2.08 | cps |
| Calcium | 43-1 | 448105 | 444276 | 448037 | 446806 | 0.49 | cps |
| Calcium | 44-1 | 6716083 | 6594133 | 6735805 | 6682007 | 1.15 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1647 | 1550 | 1617 | 1605 | 3.08 | cps |
| Cobalt | 59-2 | 2387 | 2404 | 2420 | 2404 | 0.69 | cps |
| Copper | 63-2 | 2947 | 3090 | 2960 | 2999 | 2.64 | cps |
| Dysprosium | 156-1 | 523 | 490 | 540 | 518 | 4.92 | cps |
| Dysprosium | 156-2 | 463 | 370 | 437 | 423 | 11.36 | cps |
| Erbium | 164-1 | 593 | 640 | 753 | 662 | 12.43 | cps |
| Erbium | 164-2 | 387 | 337 | 443 | 389 | 13.72 | cps |
| Gadolinium | 160-1 | 570 | 590 | 660 | 607 | 7.79 | cps |
| Gadolinium | 160-2 | 677 | 673 | 640 | 663 | 3.06 | cps |
| Holmium | 165-1 | 9519967 | 9651597 | 9704687 | 9625417 | 0.99 | cps |
| Holmium | 165-2 | 6537542 | 6676644 | 6760750 | 6658312 | 1.69 | cps |
| Indium | 115-1 | 8121824 | 8008059 | 8134267 | 8088050 | 0.86 | cps |
| Indium | 115-2 | 2534101 | 2515808 | 2536948 | 2528952 | 0.45 | cps |
| Iron | 56-2 | 5861375 | 5777453 | 5752182 | 5797003 | 0.99 | cps |
| Iron | 57-2 | 159732 | 157490 | 157041 | 158087 | 0.91 | cps |
| Iron | 54-2 | 335023 | 334895 | 332827 | 334248 | 0.37 | cps |
| Krypton | 83-1 | 180 | 197 | 213 | 197 | 8.48 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:13:06 | DataFile Name : | 040SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2717 | 2747 | 2714 | 2726 | 0.67 | cps |
| Lead | 207-1 | 2157 | 2224 | 2227 | 2202 | 1.79 | cps |
| Lead | 208-1 | 10970 | 10498 | 10375 | 10614 | 2.96 | cps |
| Lithium | 6-1 | 1651852 | 1668020 | 1678766 | 1666213 | 0.81 | cps |
| Magnesium | 24-2 | 899464 | 884246 | 887132 | 890281 | 0.91 | cps |
| Manganese | 55-2 | 1497264 | 1454782 | 1462046 | 1471364 | 1.54 | cps |
| Molybdenum | 94-1 | 730 | 870 | 723 | 774 | 10.69 | cps |
| Molybdenum | 95-1 | 620 | 507 | 553 | 560 | 10.17 | cps |
| Molybdenum | 96-1 | 763 | 793 | 663 | 740 | 9.20 | cps |
| Molybdenum | 97-1 | 343 | 353 | 327 | 341 | 3.95 | cps |
| Molybdenum | 98-1 | 823 | 763 | 860 | 816 | 5.98 | cps |
| Neodymium | 150-1 | 827 | 823 | 807 | 819 | 1.31 | cps |
| Neodymium | 150-2 | 423 | 377 | 480 | 427 | 12.13 | cps |
| Nickel | 60-2 | 980 | 990 | 883 | 951 | 6.19 | cps |
| Phosphorus | 31-2 | 1253 | 1330 | 1143 | 1242 | 7.55 | cps |
| Potassium | 39-2 | 1015091 | 1022513 | 1007812 | 1015138 | 0.72 | cps |
| Rhodium | 103-1 | 7483504 | 7564685 | 7484697 | 7510962 | 0.62 | cps |
| Rhodium | 103-2 | 4237538 | 4254697 | 4277664 | 4256633 | 0.47 | cps |
| Scandium | 45-1 | 5019254 | 5115054 | 5188726 | 5107678 | 1.66 | cps |
| Scandium | 45-2 | 364688 | 363590 | 359311 | 362529 | 0.78 | cps |
| Selenium | 82-1 | 363 | 317 | 353 | 344 | 7.08 | cps |
| Selenium | 77-2 | 13 | 0 | 0 | 4 | 173.21 | cps |
| Selenium | 78-2 | 207 | 187 | 210 | 201 | 6.27 | cps |
| Silicon | 28-1 | 12440516 | 12286304 | 12324354 | 12350391 | 0.65 | cps |
| Silver | 107-1 | 223 | 230 | 250 | 234 | 5.92 | cps |
| Silver | 109-1 | 217 | 220 | 193 | 210 | 6.92 | cps |
| Sodium | 23-2 | 31373996 | 31635867 | 31415196 | 31475020 | 0.45 | cps |
| Strontium | 86-1 | 321917 | 320755 | 322252 | 321641 | 0.24 | cps |
| Strontium | 88-1 | 2910362 | 2875872 | 2853042 | 2879759 | 1.00 | cps |
| Sulfur | 34-1 | 256170 | 253553 | 251558 | 253760 | 0.91 | cps |
| Terbium | 159-1 | 9890634 | 9832125 | 9895460 | 9872740 | 0.36 | cps |
| Terbium | 159-2 | 6454594 | 6427874 | 6480844 | 6454437 | 0.41 | cps |
| Thallium | 203-1 | 113 | 117 | 123 | 118 | 4.33 | cps |
| Thallium | 205-1 | 270 | 253 | 367 | 297 | 20.63 | cps |
| Tin | 118-1 | 2510 | 2574 | 2920 | 2668 | 8.27 | cps |
| Titanium | 47-1 | 1503 | 1530 | 1447 | 1493 | 2.85 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:13:06 | DataFile Name : | 040SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 267 | 293 | 270 | 277 | 5.25 | cps |
| Vanadium | 51-2 | 1117 | 1173 | 1103 | 1131 | 3.29 | cps |
| Yttrium | 89-1 | 10845981 | 10742138 | 10843226 | 10810448 | 0.55 | cps |
| Yttrium | 89-2 | 2486169 | 2461048 | 2426282 | 2457833 | 1.22 | cps |
| Zinc | 66-2 | 2514 | 2757 | 2704 | 2658 | 4.81 | cps |
| Zirconium | 90-1 | 1127 | 1280 | 1087 | 1165 | 8.76 | cps |
| Zirconium | 91-1 | 197 | 283 | 247 | 242 | 17.96 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01DUP | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124DUP | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:16:20 | DataFile Name : | 041SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 7879 | 8002 | 7865 | 7915 | 0.95 | cps |
| Antimony | 121-1 | 613 | 493 | 660 | 589 | 14.60 | cps |
| Arsenic | 75-2 | 330 | 280 | 270 | 293 | 10.96 | cps |
| Barium | 135-1 | 105501 | 105759 | 106071 | 105777 | 0.27 | cps |
| Barium | 137-1 | 185345 | 181571 | 183088 | 183335 | 1.04 | cps |
| Beryllium | 9-1 | 47 | 40 | 80 | 56 | 38.57 | cps |
| Bismuth | 209-1 | 5571331 | 5543235 | 5498072 | 5537546 | 0.67 | cps |
| Bismuth | 209-2 | 4697497 | 4671316 | 4672544 | 4680452 | 0.32 | cps |
| Bromine | 81-1 | 49293 | 60142 | 67507 | 58980 | 15.53 | cps |
| Bromine | 81-2 | 10564 | 10474 | 10761 | 10599 | 1.38 | cps |
| Cadmium | 108-1 | 3 | 10 | 23 | 12 | 83.33 | cps |
| Cadmium | 106-1 | 2507 | 2367 | 2410 | 2428 | 2.95 | cps |
| Cadmium | 111-1 | 1783 | 1723 | 1704 | 1737 | 2.35 | cps |
| Calcium | 43-1 | 445977 | 451456 | 459359 | 452264 | 1.49 | cps |
| Calcium | 44-1 | 6816569 | 6922512 | 6866576 | 6868552 | 0.77 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1670 | 1457 | 1703 | 1610 | 8.31 | cps |
| Cobalt | 59-2 | 2304 | 2487 | 2314 | 2368 | 4.35 | cps |
| Copper | 63-2 | 2774 | 2850 | 2950 | 2858 | 3.10 | cps |
| Dysprosium | 156-1 | 537 | 543 | 513 | 531 | 2.97 | cps |
| Dysprosium | 156-2 | 420 | 383 | 430 | 411 | 5.98 | cps |
| Erbium | 164-1 | 640 | 647 | 650 | 646 | 0.79 | cps |
| Erbium | 164-2 | 463 | 407 | 407 | 426 | 7.69 | cps |
| Gadolinium | 160-1 | 633 | 517 | 627 | 592 | 11.06 | cps |
| Gadolinium | 160-2 | 783 | 680 | 707 | 723 | 7.42 | cps |
| Holmium | 165-1 | 9550601 | 9547169 | 9597362 | 9565044 | 0.29 | cps |
| Holmium | 165-2 | 6602012 | 6534148 | 6601021 | 6579061 | 0.59 | cps |
| Indium | 115-1 | 8354857 | 8227964 | 8146754 | 8243192 | 1.27 | cps |
| Indium | 115-2 | 2556585 | 2548542 | 2606052 | 2570393 | 1.21 | cps |
| Iron | 56-2 | 5928094 | 5879056 | 5845244 | 5884131 | 0.71 | cps |
| Iron | 57-2 | 162771 | 161710 | 160147 | 161543 | 0.82 | cps |
| Iron | 54-2 | 340656 | 339159 | 341551 | 340455 | 0.35 | cps |
| Krypton | 83-1 | 187 | 190 | 170 | 182 | 5.88 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01DUP | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124DUP | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:16:20 | DataFile Name : | 041SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2317 | 2394 | 2594 | 2435 | 5.87 | cps |
| Lead | 207-1 | 2140 | 2060 | 2164 | 2121 | 2.55 | cps |
| Lead | 208-1 | 9595 | 9541 | 10025 | 9720 | 2.73 | cps |
| Lithium | 6-1 | 1661420 | 1707672 | 1686759 | 1685284 | 1.37 | cps |
| Magnesium | 24-2 | 899012 | 901884 | 899507 | 900134 | 0.17 | cps |
| Manganese | 55-2 | 1526390 | 1509568 | 1486866 | 1507608 | 1.32 | cps |
| Molybdenum | 94-1 | 703 | 713 | 810 | 742 | 7.94 | cps |
| Molybdenum | 95-1 | 517 | 563 | 480 | 520 | 8.03 | cps |
| Molybdenum | 96-1 | 620 | 743 | 643 | 669 | 9.80 | cps |
| Molybdenum | 97-1 | 267 | 323 | 257 | 282 | 12.74 | cps |
| Molybdenum | 98-1 | 730 | 743 | 797 | 757 | 4.66 | cps |
| Neodymium | 150-1 | 787 | 780 | 753 | 773 | 2.28 | cps |
| Neodymium | 150-2 | 480 | 380 | 447 | 436 | 11.69 | cps |
| Nickel | 60-2 | 797 | 773 | 993 | 854 | 14.14 | cps |
| Phosphorus | 31-2 | 1290 | 1217 | 1323 | 1277 | 4.27 | cps |
| Potassium | 39-2 | 1034715 | 1023364 | 1028390 | 1028823 | 0.55 | cps |
| Rhodium | 103-1 | 7570194 | 7591371 | 7600353 | 7587306 | 0.20 | cps |
| Rhodium | 103-2 | 4310280 | 4364442 | 4307561 | 4327427 | 0.74 | cps |
| Scandium | 45-1 | 5166443 | 5161861 | 5185474 | 5171259 | 0.24 | cps |
| Scandium | 45-2 | 364237 | 359819 | 361179 | 361745 | 0.63 | cps |
| Selenium | 82-1 | 364 | 364 | 320 | 349 | 7.27 | cps |
| Selenium | 77-2 | 0 | 0 | 3 | 1 | 173.21 | cps |
| Selenium | 78-2 | 210 | 173 | 223 | 202 | 12.80 | cps |
| Silicon | 28-1 | 12447542 | 12557877 | 12371042 | 12458821 | 0.75 | cps |
| Silver | 107-1 | 193 | 250 | 287 | 243 | 19.32 | cps |
| Silver | 109-1 | 230 | 167 | 163 | 187 | 20.12 | cps |
| Sodium | 23-2 | 32443900 | 32025972 | 32428894 | 32299588 | 0.73 | cps |
| Strontium | 86-1 | 324807 | 331175 | 330421 | 328801 | 1.06 | cps |
| Strontium | 88-1 | 2882280 | 2906906 | 2864130 | 2884439 | 0.74 | cps |
| Sulfur | 34-1 | 254689 | 257072 | 255479 | 255747 | 0.47 | cps |
| Terbium | 159-1 | 10090065 | 10031162 | 9887799 | 10003008 | 1.04 | cps |
| Terbium | 159-2 | 6528519 | 6589187 | 6557848 | 6558518 | 0.46 | cps |
| Thallium | 203-1 | 77 | 93 | 90 | 87 | 10.17 | cps |
| Thallium | 205-1 | 157 | 123 | 170 | 150 | 16.02 | cps |
| Tin | 118-1 | 1950 | 1903 | 2070 | 1975 | 4.35 | cps |
| Titanium | 47-1 | 1937 | 1697 | 1630 | 1755 | 9.20 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01DUP | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124DUP | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:16:20 | DataFile Name : | 041SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 337 | 267 | 347 | 317 | 13.77 | cps |
| Vanadium | 51-2 | 1147 | 1193 | 1103 | 1148 | 3.92 | cps |
| Yttrium | 89-1 | 11049055 | 10885758 | 11122740 | 11019185 | 1.10 | cps |
| Yttrium | 89-2 | 2461341 | 2493619 | 2484022 | 2479661 | 0.67 | cps |
| Zinc | 66-2 | 2447 | 2447 | 2350 | 2415 | 2.31 | cps |
| Zirconium | 90-1 | 1123 | 1080 | 1073 | 1092 | 2.49 | cps |
| Zirconium | 91-1 | 260 | 220 | 253 | 244 | 8.77 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124L | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 18:19:31 | DataFile Name : | 042SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4407 | 4177 | 4221 | 4268 | 2.86 | cps |
| Antimony | 121-1 | 217 | 220 | 283 | 240 | 15.65 | cps |
| Arsenic | 75-2 | 57 | 90 | 60 | 69 | 26.65 | cps |
| Barium | 135-1 | 20595 | 19781 | 20388 | 20254 | 2.09 | cps |
| Barium | 137-1 | 34445 | 33790 | 34492 | 34242 | 1.15 | cps |
| Beryllium | 9-1 | 60 | 60 | 47 | 56 | 13.85 | cps |
| Bismuth | 209-1 | 5661342 | 5719408 | 5614932 | 5665227 | 0.92 | cps |
| Bismuth | 209-2 | 4718767 | 4718122 | 4643532 | 4693474 | 0.92 | cps |
| Bromine | 81-1 | 22821 | 23763 | 23689 | 23424 | 2.24 | cps |
| Bromine | 81-2 | 2510 | 2557 | 2337 | 2468 | 4.70 | cps |
| Cadmium | 108-1 | 13 | 10 | 17 | 13 | 25.01 | cps |
| Cadmium | 106-1 | 2737 | 2294 | 2484 | 2505 | 8.88 | cps |
| Cadmium | 111-1 | 1930 | 1622 | 1744 | 1765 | 8.79 | cps |
| Calcium | 43-1 | 86314 | 86130 | 85104 | 85849 | 0.76 | cps |
| Calcium | 44-1 | 1323258 | 1307346 | 1301295 | 1310633 | 0.87 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 737 | 760 | 797 | 764 | 3.96 | cps |
| Cobalt | 59-2 | 483 | 503 | 520 | 502 | 3.65 | cps |
| Copper | 63-2 | 1247 | 1363 | 1303 | 1305 | 4.47 | cps |
| Dysprosium | 156-1 | 113 | 147 | 113 | 124 | 15.47 | cps |
| Dysprosium | 156-2 | 87 | 77 | 97 | 87 | 11.54 | cps |
| Erbium | 164-1 | 177 | 177 | 217 | 190 | 12.15 | cps |
| Erbium | 164-2 | 120 | 140 | 117 | 126 | 10.05 | cps |
| Gadolinium | 160-1 | 137 | 123 | 107 | 122 | 12.30 | cps |
| Gadolinium | 160-2 | 373 | 387 | 387 | 382 | 2.01 | cps |
| Holmium | 165-1 | 9586192 | 9479725 | 9533482 | 9533133 | 0.56 | cps |
| Holmium | 165-2 | 6545586 | 6595188 | 6537103 | 6559292 | 0.48 | cps |
| Indium | 115-1 | 8257974 | 8336768 | 8301278 | 8298673 | 0.48 | cps |
| Indium | 115-2 | 2599369 | 2566480 | 2578719 | 2581523 | 0.64 | cps |
| Iron | 56-2 | 1190225 | 1191666 | 1203509 | 1195134 | 0.61 | cps |
| Iron | 57-2 | 32970 | 31283 | 32278 | 32177 | 2.64 | cps |
| Iron | 54-2 | 65967 | 66442 | 66426 | 66278 | 0.41 | cps |
| Krypton | 83-1 | 207 | 177 | 230 | 204 | 13.08 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124L | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 18:19:31 | DataFile Name : | 042SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 680 | 737 | 683 | 700 | 4.54 | cps |
| Lead | 207-1 | 573 | 640 | 600 | 604 | 5.55 | cps |
| Lead | 208-1 | 2797 | 2930 | 2770 | 2832 | 3.03 | cps |
| Lithium | 6-1 | 1701330 | 1703462 | 1665181 | 1689991 | 1.27 | cps |
| Magnesium | 24-2 | 171606 | 171876 | 170716 | 171400 | 0.35 | cps |
| Manganese | 55-2 | 293837 | 291475 | 294206 | 293173 | 0.51 | cps |
| Molybdenum | 94-1 | 287 | 310 | 347 | 314 | 9.62 | cps |
| Molybdenum | 95-1 | 197 | 203 | 163 | 188 | 11.41 | cps |
| Molybdenum | 96-1 | 233 | 257 | 230 | 240 | 6.05 | cps |
| Molybdenum | 97-1 | 110 | 87 | 93 | 97 | 12.43 | cps |
| Molybdenum | 98-1 | 290 | 263 | 283 | 279 | 4.98 | cps |
| Neodymium | 150-1 | 163 | 190 | 193 | 182 | 9.02 | cps |
| Neodymium | 150-2 | 103 | 90 | 87 | 93 | 9.45 | cps |
| Nickel | 60-2 | 313 | 310 | 360 | 328 | 8.53 | cps |
| Phosphorus | 31-2 | 327 | 337 | 347 | 337 | 2.97 | cps |
| Potassium | 39-2 | 233799 | 232543 | 232822 | 233055 | 0.28 | cps |
| Rhodium | 103-1 | 7665586 | 8013275 | 7840422 | 7839761 | 2.22 | cps |
| Rhodium | 103-2 | 4417901 | 4367635 | 4422165 | 4402567 | 0.69 | cps |
| Scandium | 45-1 | 5151126 | 5085526 | 5180934 | 5139195 | 0.95 | cps |
| Scandium | 45-2 | 364106 | 359363 | 361847 | 361772 | 0.66 | cps |
| Selenium | 82-1 | 269 | 318 | 326 | 304 | 10.19 | cps |
| Selenium | 77-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 223 | 187 | 143 | 184 | 21.71 | cps |
| Silicon | 28-1 | 2693104 | 2708796 | 2623004 | 2674968 | 1.71 | cps |
| Silver | 107-1 | 80 | 90 | 110 | 93 | 16.37 | cps |
| Silver | 109-1 | 53 | 60 | 63 | 59 | 8.65 | cps |
| Sodium | 23-2 | 6062387 | 6047503 | 5983278 | 6031056 | 0.70 | cps |
| Strontium | 86-1 | 62776 | 62673 | 62291 | 62580 | 0.41 | cps |
| Strontium | 88-1 | 545319 | 542336 | 539341 | 542332 | 0.55 | cps |
| Sulfur | 34-1 | 214386 | 213761 | 212395 | 213514 | 0.48 | cps |
| Terbium | 159-1 | 9864666 | 9865811 | 9875425 | 9868634 | 0.06 | cps |
| Terbium | 159-2 | 6594651 | 6523787 | 6551708 | 6556716 | 0.54 | cps |
| Thallium | 203-1 | 23 | 77 | 43 | 48 | 56.40 | cps |
| Thallium | 205-1 | 93 | 110 | 103 | 102 | 8.21 | cps |
| Tin | 118-1 | 1200 | 1283 | 1133 | 1206 | 6.23 | cps |
| Titanium | 47-1 | 453 | 480 | 407 | 447 | 8.31 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124L | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 18:19:31 | DataFile Name : | 042SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 67 | 63 | 60 | 63 | 5.27 | cps |
| Vanadium | 51-2 | 210 | 253 | 190 | 218 | 14.87 | cps |
| Yttrium | 89-1 | 10947624 | 10974719 | 10929382 | 10950575 | 0.21 | cps |
| Yttrium | 89-2 | 2505960 | 2460917 | 2463998 | 2476958 | 1.02 | cps |
| Zinc | 66-2 | 1713 | 1637 | 1633 | 1661 | 2.72 | cps |
| Zirconium | 90-1 | 593 | 667 | 630 | 630 | 5.82 | cps |
| Zirconium | 91-1 | 357 | 127 | 103 | 196 | 71.63 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-04 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-WS-080124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:22:47 | DataFile Name : | 043SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6378 | 6538 | 6845 | 6587 | 3.60 | cps |
| Antimony | 121-1 | 480 | 533 | 507 | 507 | 5.26 | cps |
| Arsenic | 75-2 | 130 | 150 | 137 | 139 | 7.33 | cps |
| Barium | 135-1 | 138459 | 140315 | 139744 | 139506 | 0.68 | cps |
| Barium | 137-1 | 239178 | 243496 | 240792 | 241156 | 0.90 | cps |
| Beryllium | 9-1 | 47 | 83 | 63 | 64 | 28.48 | cps |
| Bismuth | 209-1 | 5428664 | 5391515 | 5283688 | 5367956 | 1.40 | cps |
| Bismuth | 209-2 | 4514539 | 4438471 | 4431874 | 4461628 | 1.03 | cps |
| Bromine | 81-1 | 69424 | 91609 | 101553 | 87529 | 18.79 | cps |
| Bromine | 81-2 | 17073 | 17127 | 17851 | 17350 | 2.50 | cps |
| Cadmium | 108-1 | 20 | 13 | 10 | 14 | 35.26 | cps |
| Cadmium | 106-1 | 2697 | 2404 | 2384 | 2495 | 7.03 | cps |
| Cadmium | 111-1 | 1897 | 1710 | 1695 | 1767 | 6.38 | cps |
| Calcium | 43-1 | 764158 | 777652 | 766528 | 769446 | 0.94 | cps |
| Calcium | 44-1 | 11397942 | 11588337 | 11730793 | 11572357 | 1.44 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 2367 | 2370 | 2354 | 2364 | 0.37 | cps |
| Cobalt | 59-2 | 19099 | 19293 | 19646 | 19346 | 1.43 | cps |
| Copper | 63-2 | 1733 | 1730 | 1803 | 1756 | 2.36 | cps |
| Dysprosium | 156-1 | 867 | 813 | 967 | 882 | 8.82 | cps |
| Dysprosium | 156-2 | 633 | 697 | 623 | 651 | 6.11 | cps |
| Erbium | 164-1 | 1033 | 1073 | 1043 | 1050 | 1.98 | cps |
| Erbium | 164-2 | 733 | 720 | 710 | 721 | 1.62 | cps |
| Gadolinium | 160-1 | 917 | 990 | 900 | 936 | 5.12 | cps |
| Gadolinium | 160-2 | 970 | 1047 | 937 | 984 | 5.73 | cps |
| Holmium | 165-1 | 9587450 | 9622621 | 9404254 | 9538108 | 1.23 | cps |
| Holmium | 165-2 | 6572408 | 6501055 | 6469086 | 6514183 | 0.81 | cps |
| Indium | 115-1 | 8011942 | 8044774 | 8100646 | 8052454 | 0.56 | cps |
| Indium | 115-2 | 2584424 | 2568404 | 2538455 | 2563761 | 0.91 | cps |
| Iron | 56-2 | 9129204 | 9090624 | 9169870 | 9129899 | 0.43 | cps |
| Iron | 57-2 | 246973 | 248411 | 247409 | 247597 | 0.30 | cps |
| Iron | 54-2 | 523715 | 525269 | 522963 | 523983 | 0.22 | cps |
| Krypton | 83-1 | 157 | 183 | 140 | 160 | 13.66 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-04 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-WS-080124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:22:47 | DataFile Name : | 043SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1027 | 1083 | 1000 | 1037 | 4.11 | cps |
| Lead | 207-1 | 890 | 893 | 960 | 914 | 4.32 | cps |
| Lead | 208-1 | 3964 | 4037 | 4127 | 4043 | 2.02 | cps |
| Lithium | 6-1 | 1646238 | 1642231 | 1610893 | 1633121 | 1.19 | cps |
| Magnesium | 24-2 | 1788507 | 1779007 | 1793230 | 1786915 | 0.41 | cps |
| Manganese | 55-2 | 1874972 | 1848096 | 1866181 | 1863083 | 0.74 | cps |
| Molybdenum | 94-1 | 537 | 493 | 580 | 537 | 8.07 | cps |
| Molybdenum | 95-1 | 310 | 340 | 303 | 318 | 6.15 | cps |
| Molybdenum | 96-1 | 387 | 433 | 433 | 418 | 6.45 | cps |
| Molybdenum | 97-1 | 133 | 157 | 143 | 144 | 8.10 | cps |
| Molybdenum | 98-1 | 383 | 333 | 393 | 370 | 8.69 | cps |
| Neodymium | 150-1 | 1200 | 1187 | 1233 | 1207 | 1.99 | cps |
| Neodymium | 150-2 | 693 | 590 | 663 | 649 | 8.19 | cps |
| Nickel | 60-2 | 1120 | 1280 | 1230 | 1210 | 6.77 | cps |
| Phosphorus | 31-2 | 1860 | 1833 | 1907 | 1867 | 1.99 | cps |
| Potassium | 39-2 | 1688569 | 1689554 | 1642409 | 1673511 | 1.61 | cps |
| Rhodium | 103-1 | 7512506 | 7605143 | 7425921 | 7514523 | 1.19 | cps |
| Rhodium | 103-2 | 4209273 | 4226011 | 4169429 | 4201571 | 0.69 | cps |
| Scandium | 45-1 | 5131324 | 5093206 | 5144007 | 5122846 | 0.52 | cps |
| Scandium | 45-2 | 358853 | 359139 | 357830 | 358607 | 0.19 | cps |
| Selenium | 82-1 | 374 | 397 | 416 | 396 | 5.24 | cps |
| Selenium | 77-2 | 7 | 3 | 3 | 4 | 43.40 | cps |
| Selenium | 78-2 | 167 | 210 | 220 | 199 | 14.25 | cps |
| Silicon | 28-1 | 10638602 | 10743512 | 10553358 | 10645157 | 0.89 | cps |
| Silver | 107-1 | 220 | 183 | 207 | 203 | 9.13 | cps |
| Silver | 109-1 | 133 | 163 | 213 | 170 | 23.77 | cps |
| Sodium | 23-2 | 73767164 | 73054844 | 72593636 | 73138548 | 0.81 | cps |
| Strontium | 86-1 | 572665 | 572034 | 569642 | 571447 | 0.28 | cps |
| Strontium | 88-1 | 5020288 | 5120518 | 5007941 | 5049582 | 1.22 | cps |
| Sulfur | 34-1 | 503985 | 511221 | 501423 | 505543 | 1.01 | cps |
| Terbium | 159-1 | 10074912 | 10077653 | 9973216 | 10041927 | 0.59 | cps |
| Terbium | 159-2 | 6422654 | 6284962 | 6367938 | 6358518 | 1.09 | cps |
| Thallium | 203-1 | 103 | 63 | 90 | 86 | 23.81 | cps |
| Thallium | 205-1 | 213 | 200 | 233 | 216 | 7.78 | cps |
| Tin | 118-1 | 2104 | 2094 | 2017 | 2071 | 2.29 | cps |
| Titanium | 47-1 | 977 | 820 | 903 | 900 | 8.71 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-04 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-WS-080124 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:22:47 | DataFile Name : | 043SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 227 | 190 | 197 | 204 | 9.55 | cps |
| Vanadium | 51-2 | 700 | 603 | 747 | 683 | 10.70 | cps |
| Yttrium | 89-1 | 10963388 | 10870124 | 10996237 | 10943250 | 0.60 | cps |
| Yttrium | 89-2 | 2506400 | 2464699 | 2406974 | 2459358 | 2.03 | cps |
| Zinc | 66-2 | 9747 | 9993 | 9787 | 9842 | 1.35 | cps |
| Zirconium | 90-1 | 1050 | 1073 | 1130 | 1084 | 3.79 | cps |
| Zirconium | 91-1 | 243 | 243 | 220 | 236 | 5.72 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:25:57 | DataFile Name : | 044SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1162290 | 1172878 | 1162077 | 1165748 | 0.53 | cps |
| Antimony | 121-1 | 3631815 | 3638008 | 3709415 | 3659746 | 1.18 | cps |
| Arsenic | 75-2 | 184845 | 182733 | 180693 | 182757 | 1.14 | cps |
| Barium | 135-1 | 4087107 | 4187671 | 4184999 | 4153259 | 1.38 | cps |
| Barium | 137-1 | 7197818 | 7280233 | 7132004 | 7203352 | 1.03 | cps |
| Beryllium | 9-1 | 715209 | 736330 | 735076 | 728872 | 1.63 | cps |
| Bismuth | 209-1 | 5634433 | 5711000 | 5618304 | 5654579 | 0.88 | cps |
| Bismuth | 209-2 | 4650483 | 4757727 | 4636227 | 4681479 | 1.42 | cps |
| Bromine | 81-1 | 48770 | 55487 | 58073 | 54110 | 8.87 | cps |
| Bromine | 81-2 | 8853 | 8609 | 8986 | 8816 | 2.17 | cps |
| Cadmium | 108-1 | 66026 | 66006 | 66016 | 66016 | 0.02 | cps |
| Cadmium | 106-1 | 97102 | 98041 | 97968 | 97704 | 0.53 | cps |
| Cadmium | 111-1 | 907564 | 912265 | 916998 | 912276 | 0.52 | cps |
| Calcium | 43-1 | 1394971 | 1415661 | 1356949 | 1389194 | 2.14 | cps |
| Calcium | 44-1 | 21867844 | 22250255 | 21775476 | 21964525 | 1.15 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1268217 | 1268792 | 1260996 | 1266002 | 0.34 | cps |
| Cobalt | 59-2 | 2017565 | 2031164 | 2002037 | 2016922 | 0.72 | cps |
| Copper | 63-2 | 12823367 | 12800089 | 12667021 | 12763492 | 0.66 | cps |
| Dysprosium | 156-1 | 650 | 580 | 690 | 640 | 8.70 | cps |
| Dysprosium | 156-2 | 607 | 563 | 597 | 589 | 3.85 | cps |
| Erbium | 164-1 | 700 | 663 | 697 | 687 | 2.95 | cps |
| Erbium | 164-2 | 523 | 437 | 387 | 449 | 15.40 | cps |
| Gadolinium | 160-1 | 660 | 630 | 710 | 667 | 6.06 | cps |
| Gadolinium | 160-2 | 713 | 863 | 803 | 793 | 9.52 | cps |
| Holmium | 165-1 | 9973990 | 9997476 | 9759817 | 9910428 | 1.32 | cps |
| Holmium | 165-2 | 6807016 | 6907497 | 6686824 | 6800446 | 1.62 | cps |
| Indium | 115-1 | 8433275 | 8345492 | 8052182 | 8276983 | 2.41 | cps |
| Indium | 115-2 | 2590234 | 2602984 | 2534766 | 2575995 | 1.41 | cps |
| Iron | 56-2 | 57819671 | 58325291 | 56659112 | 57601358 | 1.48 | cps |
| Iron | 57-2 | 1458111 | 1455660 | 1433601 | 1449124 | 0.93 | cps |
| Iron | 54-2 | 3094142 | 3208711 | 3120764 | 3141206 | 1.91 | cps |
| Krypton | 83-1 | 213 | 223 | 217 | 218 | 2.34 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:25:57 | DataFile Name : | 044SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10929020 | 11059201 | 10885718 | 10957979 | 0.82 | cps |
| Lead | 207-1 | 9729428 | 9814933 | 9774384 | 9772915 | 0.44 | cps |
| Lead | 208-1 | 43788796 | 44555116 | 43793875 | 44045929 | 1.00 | cps |
| Lithium | 6-1 | 1701437 | 1771946 | 1703547 | 1725643 | 2.32 | cps |
| Magnesium | 24-2 | 11560241 | 11639426 | 11367233 | 11522300 | 1.22 | cps |
| Manganese | 55-2 | 9953460 | 10193787 | 10012412 | 10053219 | 1.25 | cps |
| Molybdenum | 94-1 | 10100997 | 10154769 | 10392919 | 10216228 | 1.52 | cps |
| Molybdenum | 95-1 | 13672505 | 13525913 | 13906931 | 13701783 | 1.40 | cps |
| Molybdenum | 96-1 | 14768601 | 15123641 | 15086600 | 14992947 | 1.30 | cps |
| Molybdenum | 97-1 | 8585183 | 8489714 | 8650043 | 8574980 | 0.94 | cps |
| Molybdenum | 98-1 | 22158817 | 21803415 | 22039061 | 22000431 | 0.82 | cps |
| Neodymium | 150-1 | 913 | 1053 | 983 | 983 | 7.12 | cps |
| Neodymium | 150-2 | 517 | 517 | 457 | 497 | 6.97 | cps |
| Nickel | 60-2 | 491717 | 494558 | 493795 | 493357 | 0.30 | cps |
| Phosphorus | 31-2 | 1260 | 1223 | 1237 | 1240 | 1.50 | cps |
| Potassium | 39-2 | 7260738 | 7176125 | 7164194 | 7200352 | 0.73 | cps |
| Rhodium | 103-1 | 7728906 | 7644567 | 7833983 | 7735818 | 1.23 | cps |
| Rhodium | 103-2 | 4219309 | 4263435 | 4328281 | 4270342 | 1.28 | cps |
| Scandium | 45-1 | 5266559 | 5247500 | 5250037 | 5254699 | 0.20 | cps |
| Scandium | 45-2 | 367923 | 376867 | 367910 | 370900 | 1.39 | cps |
| Selenium | 82-1 | 59309 | 59431 | 59962 | 59567 | 0.58 | cps |
| Selenium | 77-2 | 5038 | 4757 | 5024 | 4940 | 3.20 | cps |
| Selenium | 78-2 | 16413 | 16623 | 16830 | 16622 | 1.25 | cps |
| Silicon | 28-1 | 14504069 | 14537439 | 14284491 | 14442000 | 0.95 | cps |
| Silver | 107-1 | 2825068 | 2621104 | 2916117 | 2787430 | 5.42 | cps |
| Silver | 109-1 | 3011094 | 2306478 | 2266700 | 2528091 | 16.56 | cps |
| Sodium | 23-2 | 48334478 | 48727556 | 47005236 | 48022423 | 1.88 | cps |
| Strontium | 86-1 | 1536700 | 1529125 | 1545368 | 1537065 | 0.53 | cps |
| Strontium | 88-1 | 13185419 | 13247586 | 13246982 | 13226662 | 0.27 | cps |
| Sulfur | 34-1 | 258024 | 258983 | 258573 | 258527 | 0.19 | cps |
| Terbium | 159-1 | 10345338 | 10386835 | 10212998 | 10315057 | 0.88 | cps |
| Terbium | 159-2 | 6553042 | 6812859 | 6763813 | 6709905 | 2.06 | cps |
| Thallium | 203-1 | 2890149 | 3010673 | 2956574 | 2952465 | 2.04 | cps |
| Thallium | 205-1 | 6868902 | 6999326 | 6898952 | 6922393 | 0.99 | cps |
| Tin | 118-1 | 2590272 | 2594929 | 2589917 | 2591706 | 0.11 | cps |
| Titanium | 47-1 | 2767563 | 2812532 | 2766642 | 2782246 | 0.94 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:25:57 | DataFile Name : | 044SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8976039 | 9175255 | 8999538 | 9050277 | 1.20 | cps |
| Vanadium | 51-2 | 1179842 | 1181275 | 1165153 | 1175423 | 0.76 | cps |
| Yttrium | 89-1 | 11355044 | 10939196 | 11067689 | 11120643 | 1.91 | cps |
| Yttrium | 89-2 | 2523599 | 2524169 | 2526777 | 2524848 | 0.07 | cps |
| Zinc | 66-2 | 2242524 | 2247324 | 2201422 | 2230423 | 1.13 | cps |
| Zirconium | 90-1 | 6285030 | 6317349 | 6433044 | 6345141 | 1.23 | cps |
| Zirconium | 91-1 | 1410337 | 1419600 | 1430438 | 1420125 | 0.71 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-03 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MSD | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:28:44 | DataFile Name : | 045SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1147054 | 1151926 | 1145788 | 1148256 | 0.28 | cps |
| Antimony | 121-1 | 3555708 | 3688667 | 3695862 | 3646746 | 2.16 | cps |
| Arsenic | 75-2 | 181799 | 181337 | 181056 | 181398 | 0.21 | cps |
| Barium | 135-1 | 4036586 | 4152368 | 4162834 | 4117263 | 1.70 | cps |
| Barium | 137-1 | 6880448 | 7093699 | 6978653 | 6984266 | 1.53 | cps |
| Beryllium | 9-1 | 711664 | 742168 | 738662 | 730831 | 2.28 | cps |
| Bismuth | 209-1 | 5542485 | 5647544 | 5447312 | 5545781 | 1.81 | cps |
| Bismuth | 209-2 | 4631523 | 4641222 | 4618974 | 4630573 | 0.24 | cps |
| Bromine | 81-1 | 43952 | 51503 | 56852 | 50769 | 12.77 | cps |
| Bromine | 81-2 | 8709 | 8919 | 9246 | 8958 | 3.02 | cps |
| Cadmium | 108-1 | 63261 | 66127 | 65607 | 64998 | 2.35 | cps |
| Cadmium | 106-1 | 96733 | 96847 | 96153 | 96577 | 0.39 | cps |
| Cadmium | 111-1 | 886743 | 906855 | 903225 | 898941 | 1.19 | cps |
| Calcium | 43-1 | 1375725 | 1419182 | 1382082 | 1392330 | 1.69 | cps |
| Calcium | 44-1 | 21581718 | 22568314 | 22405354 | 22185129 | 2.38 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1268099 | 1248757 | 1249645 | 1255501 | 0.87 | cps |
| Cobalt | 59-2 | 2006085 | 1995239 | 2007810 | 2003045 | 0.34 | cps |
| Copper | 63-2 | 12856333 | 12639561 | 12474573 | 12656822 | 1.51 | cps |
| Dysprosium | 156-1 | 627 | 647 | 647 | 640 | 1.80 | cps |
| Dysprosium | 156-2 | 687 | 647 | 630 | 654 | 4.45 | cps |
| Erbium | 164-1 | 703 | 593 | 703 | 667 | 9.53 | cps |
| Erbium | 164-2 | 447 | 417 | 413 | 426 | 4.31 | cps |
| Gadolinium | 160-1 | 697 | 560 | 673 | 643 | 11.36 | cps |
| Gadolinium | 160-2 | 737 | 720 | 653 | 703 | 6.27 | cps |
| Holmium | 165-1 | 9661204 | 9724112 | 9806102 | 9730473 | 0.75 | cps |
| Holmium | 165-2 | 6687491 | 6771711 | 6613622 | 6690941 | 1.18 | cps |
| Indium | 115-1 | 8187127 | 8181564 | 8031209 | 8133300 | 1.09 | cps |
| Indium | 115-2 | 2569107 | 2512193 | 2524546 | 2535282 | 1.18 | cps |
| Iron | 56-2 | 57000956 | 56789149 | 56449469 | 56746525 | 0.49 | cps |
| Iron | 57-2 | 1466989 | 1445650 | 1443979 | 1452206 | 0.88 | cps |
| Iron | 54-2 | 3144466 | 3128934 | 3138700 | 3137367 | 0.25 | cps |
| Krypton | 83-1 | 220 | 253 | 160 | 211 | 22.41 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-03 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MSD | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:28:44 | DataFile Name : | 045SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10719086 | 10919035 | 10890981 | 10843034 | 1.00 | cps |
| Lead | 207-1 | 9460929 | 9772307 | 9583163 | 9605466 | 1.63 | cps |
| Lead | 208-1 | 43129401 | 43734331 | 43811649 | 43558460 | 0.86 | cps |
| Lithium | 6-1 | 1697880 | 1698340 | 1746725 | 1714315 | 1.64 | cps |
| Magnesium | 24-2 | 11270819 | 11484467 | 11281139 | 11345475 | 1.06 | cps |
| Manganese | 55-2 | 10008496 | 9770413 | 9897913 | 9892274 | 1.20 | cps |
| Molybdenum | 94-1 | 9889405 | 9987888 | 9977441 | 9951578 | 0.54 | cps |
| Molybdenum | 95-1 | 13380369 | 13855860 | 13790988 | 13675739 | 1.89 | cps |
| Molybdenum | 96-1 | 14890066 | 15263734 | 14930587 | 15028129 | 1.36 | cps |
| Molybdenum | 97-1 | 8278442 | 8465391 | 8503664 | 8415833 | 1.43 | cps |
| Molybdenum | 98-1 | 21210493 | 21917336 | 22220281 | 21782703 | 2.38 | cps |
| Neodymium | 150-1 | 873 | 883 | 890 | 882 | 0.95 | cps |
| Neodymium | 150-2 | 467 | 420 | 487 | 458 | 7.47 | cps |
| Nickel | 60-2 | 495937 | 491864 | 490839 | 492880 | 0.55 | cps |
| Phosphorus | 31-2 | 1230 | 1153 | 1370 | 1251 | 8.78 | cps |
| Potassium | 39-2 | 7147417 | 7096493 | 7107345 | 7117085 | 0.38 | cps |
| Rhodium | 103-1 | 7402516 | 7527349 | 7537367 | 7489077 | 1.00 | cps |
| Rhodium | 103-2 | 4256171 | 4222976 | 4257172 | 4245440 | 0.46 | cps |
| Scandium | 45-1 | 5229857 | 5262425 | 5237606 | 5243296 | 0.32 | cps |
| Scandium | 45-2 | 361825 | 359285 | 364736 | 361949 | 0.75 | cps |
| Selenium | 82-1 | 57910 | 58965 | 58625 | 58500 | 0.92 | cps |
| Selenium | 77-2 | 4711 | 5038 | 4557 | 4769 | 5.14 | cps |
| Selenium | 78-2 | 15692 | 16413 | 16553 | 16219 | 2.85 | cps |
| Silicon | 28-1 | 14404372 | 14414625 | 15021977 | 14613658 | 2.42 | cps |
| Silver | 107-1 | 2766164 | 3285896 | 2304341 | 2785467 | 17.63 | cps |
| Silver | 109-1 | 3924376 | 1660631 | 3803276 | 3129428 | 40.69 | cps |
| Sodium | 23-2 | 47940228 | 48293319 | 47782481 | 48005343 | 0.54 | cps |
| Strontium | 86-1 | 1491134 | 1534809 | 1527847 | 1517930 | 1.55 | cps |
| Strontium | 88-1 | 12940403 | 13286185 | 13384638 | 13203742 | 1.77 | cps |
| Sulfur | 34-1 | 252676 | 253161 | 256179 | 254006 | 0.75 | cps |
| Terbium | 159-1 | 10046033 | 10281459 | 9974943 | 10100812 | 1.59 | cps |
| Terbium | 159-2 | 6543221 | 6598669 | 6644241 | 6595377 | 0.77 | cps |
| Thallium | 203-1 | 2946184 | 2978355 | 2947079 | 2957206 | 0.62 | cps |
| Thallium | 205-1 | 6850378 | 6922128 | 6992264 | 6921590 | 1.02 | cps |
| Tin | 118-1 | 2488911 | 2635886 | 2613992 | 2579596 | 3.07 | cps |
| Titanium | 47-1 | 2760493 | 2802629 | 2805306 | 2789476 | 0.90 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-03 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MSD | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:28:44 | DataFile Name : | 045SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8859243 | 9116683 | 8987881 | 8987936 | 1.43 | cps |
| Vanadium | 51-2 | 1165511 | 1153359 | 1170611 | 1163160 | 0.76 | cps |
| Yttrium | 89-1 | 10884307 | 11169739 | 11018440 | 11024162 | 1.30 | cps |
| Yttrium | 89-2 | 2454233 | 2527299 | 2532646 | 2504726 | 1.75 | cps |
| Zinc | 66-2 | 2221914 | 2219953 | 2219261 | 2220376 | 0.06 | cps |
| Zirconium | 90-1 | 6149777 | 6284613 | 6425491 | 6286627 | 2.19 | cps |
| Zirconium | 91-1 | 1375426 | 1410165 | 1432284 | 1405959 | 2.04 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01A | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124A | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:31:28 | DataFile Name : | 046SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1148456 | 1152978 | 1133948 | 1145127 | 0.87 | cps |
| Antimony | 121-1 | 3595638 | 3663019 | 3713404 | 3657354 | 1.62 | cps |
| Arsenic | 75-2 | 184936 | 183672 | 182120 | 183576 | 0.77 | cps |
| Barium | 135-1 | 4091382 | 4214774 | 4217298 | 4174485 | 1.72 | cps |
| Barium | 137-1 | 7234097 | 7032970 | 7184239 | 7150435 | 1.46 | cps |
| Beryllium | 9-1 | 740118 | 748819 | 761341 | 750093 | 1.42 | cps |
| Bismuth | 209-1 | 5683820 | 5495013 | 5521340 | 5566724 | 1.84 | cps |
| Bismuth | 209-2 | 4651295 | 4672939 | 4665197 | 4663144 | 0.24 | cps |
| Bromine | 81-1 | 43608 | 50392 | 54858 | 49619 | 11.42 | cps |
| Bromine | 81-2 | 8332 | 8786 | 8893 | 8670 | 3.43 | cps |
| Cadmium | 108-1 | 65169 | 66642 | 66274 | 66028 | 1.16 | cps |
| Cadmium | 106-1 | 97112 | 98746 | 98337 | 98065 | 0.87 | cps |
| Cadmium | 111-1 | 905909 | 921269 | 908213 | 911797 | 0.91 | cps |
| Calcium | 43-1 | 1392306 | 1417492 | 1431999 | 1413932 | 1.42 | cps |
| Calcium | 44-1 | 21678165 | 22110772 | 21947392 | 21912110 | 1.00 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1285153 | 1272690 | 1261944 | 1273262 | 0.91 | cps |
| Cobalt | 59-2 | 2041133 | 2078623 | 1991269 | 2037008 | 2.15 | cps |
| Copper | 63-2 | 12807877 | 12929252 | 12605149 | 12780759 | 1.28 | cps |
| Dysprosium | 156-1 | 610 | 677 | 690 | 659 | 6.50 | cps |
| Dysprosium | 156-2 | 570 | 567 | 720 | 619 | 14.15 | cps |
| Erbium | 164-1 | 640 | 703 | 650 | 664 | 5.12 | cps |
| Erbium | 164-2 | 473 | 463 | 433 | 457 | 4.56 | cps |
| Gadolinium | 160-1 | 653 | 760 | 653 | 689 | 8.94 | cps |
| Gadolinium | 160-2 | 750 | 737 | 743 | 743 | 0.90 | cps |
| Holmium | 165-1 | 10039910 | 9948675 | 9871145 | 9953243 | 0.85 | cps |
| Holmium | 165-2 | 6834257 | 6736254 | 6756061 | 6775524 | 0.76 | cps |
| Indium | 115-1 | 8096510 | 8158090 | 8034915 | 8096505 | 0.76 | cps |
| Indium | 115-2 | 2617323 | 2553434 | 2544924 | 2571894 | 1.54 | cps |
| Iron | 56-2 | 57333167 | 57551077 | 56684596 | 57189614 | 0.79 | cps |
| Iron | 57-2 | 1489322 | 1453343 | 1411215 | 1451294 | 2.69 | cps |
| Iron | 54-2 | 3244309 | 3156211 | 3104517 | 3168346 | 2.23 | cps |
| Krypton | 83-1 | 157 | 223 | 200 | 193 | 17.50 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01A | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124A | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:31:28 | DataFile Name : | 046SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10942890 | 11003552 | 10994214 | 10980219 | 0.30 | cps |
| Lead | 207-1 | 9780681 | 9744833 | 9701220 | 9742245 | 0.41 | cps |
| Lead | 208-1 | 44425881 | 43667399 | 43800987 | 43964756 | 0.92 | cps |
| Lithium | 6-1 | 1749018 | 1705958 | 1778117 | 1744364 | 2.08 | cps |
| Magnesium | 24-2 | 11507357 | 11196723 | 11259576 | 11321218 | 1.45 | cps |
| Manganese | 55-2 | 10074057 | 9794527 | 9816365 | 9894983 | 1.57 | cps |
| Molybdenum | 94-1 | 9898579 | 10216832 | 10259699 | 10125037 | 1.95 | cps |
| Molybdenum | 95-1 | 13361586 | 13715365 | 13907980 | 13661644 | 2.03 | cps |
| Molybdenum | 96-1 | 15062211 | 15210379 | 15022034 | 15098208 | 0.66 | cps |
| Molybdenum | 97-1 | 8582803 | 8627476 | 8625950 | 8612076 | 0.29 | cps |
| Molybdenum | 98-1 | 21693965 | 22102103 | 22115826 | 21970631 | 1.09 | cps |
| Neodymium | 150-1 | 917 | 1023 | 897 | 946 | 7.20 | cps |
| Neodymium | 150-2 | 440 | 447 | 470 | 452 | 3.48 | cps |
| Nickel | 60-2 | 506730 | 499532 | 491172 | 499145 | 1.56 | cps |
| Phosphorus | 31-2 | 1237 | 1303 | 1213 | 1251 | 3.73 | cps |
| Potassium | 39-2 | 7287503 | 7190662 | 7000691 | 7159619 | 2.04 | cps |
| Rhodium | 103-1 | 7653655 | 7641268 | 7576948 | 7623957 | 0.54 | cps |
| Rhodium | 103-2 | 4279261 | 4274330 | 4188448 | 4247346 | 1.20 | cps |
| Scandium | 45-1 | 5299170 | 5206537 | 5307312 | 5271006 | 1.06 | cps |
| Scandium | 45-2 | 368950 | 367056 | 361067 | 365691 | 1.13 | cps |
| Selenium | 82-1 | 59412 | 59505 | 60478 | 59798 | 0.99 | cps |
| Selenium | 77-2 | 4777 | 4898 | 5011 | 4895 | 2.38 | cps |
| Selenium | 78-2 | 16840 | 16209 | 16856 | 16635 | 2.22 | cps |
| Silicon | 28-1 | 14546265 | 14653681 | 14760964 | 14653636 | 0.73 | cps |
| Silver | 107-1 | 2875534 | 3004270 | 3705102 | 3194969 | 13.97 | cps |
| Silver | 109-1 | 2872087 | 2498773 | 3793999 | 3054953 | 21.82 | cps |
| Sodium | 23-2 | 48016436 | 48603028 | 47568346 | 48062603 | 1.08 | cps |
| Strontium | 86-1 | 1536928 | 1525208 | 1535423 | 1532520 | 0.42 | cps |
| Strontium | 88-1 | 13345250 | 13210664 | 13254917 | 13270277 | 0.52 | cps |
| Sulfur | 34-1 | 252348 | 252199 | 254174 | 252907 | 0.43 | cps |
| Terbium | 159-1 | 10231512 | 10132445 | 10037001 | 10133653 | 0.96 | cps |
| Terbium | 159-2 | 6564308 | 6737018 | 6617278 | 6639535 | 1.33 | cps |
| Thallium | 203-1 | 2961530 | 2951202 | 3013026 | 2975253 | 1.11 | cps |
| Thallium | 205-1 | 6977386 | 7097354 | 6947442 | 7007394 | 1.13 | cps |
| Tin | 118-1 | 2583881 | 2605812 | 2596718 | 2595470 | 0.42 | cps |
| Titanium | 47-1 | 2772408 | 2830441 | 2864770 | 2822540 | 1.65 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01A | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124A | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:31:28 | DataFile Name : | 046SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 9191230 | 9255785 | 9259465 | 9235493 | 0.42 | cps |
| Vanadium | 51-2 | 1192639 | 1193704 | 1174127 | 1186823 | 0.93 | cps |
| Yttrium | 89-1 | 11257069 | 11086778 | 10944592 | 11096146 | 1.41 | cps |
| Yttrium | 89-2 | 2464341 | 2520469 | 2432731 | 2472513 | 1.80 | cps |
| Zinc | 66-2 | 2229845 | 2234490 | 2166827 | 2210387 | 1.71 | cps |
| Zirconium | 90-1 | 6429718 | 6390826 | 6528538 | 6449694 | 1.10 | cps |
| Zirconium | 91-1 | 1410402 | 1434143 | 1456749 | 1433764 | 1.62 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3457-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 924-K1-WS-080224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:34:15 | DataFile Name : | 047SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 8559 | 8416 | 8396 | 8457 | 1.05 | cps |
| Antimony | 121-1 | 3747 | 4241 | 4384 | 4124 | 8.10 | cps |
| Arsenic | 75-2 | 280 | 300 | 293 | 291 | 3.50 | cps |
| Barium | 135-1 | 291528 | 296855 | 294545 | 294309 | 0.91 | cps |
| Barium | 137-1 | 505532 | 509302 | 509771 | 508202 | 0.46 | cps |
| Beryllium | 9-1 | 227 | 237 | 203 | 222 | 7.70 | cps |
| Bismuth | 209-1 | 5531746 | 5433555 | 5652102 | 5539135 | 1.98 | cps |
| Bismuth | 209-2 | 4728237 | 4537120 | 4537203 | 4600853 | 2.40 | cps |
| Bromine | 81-1 | 66915 | 86257 | 94768 | 82647 | 17.27 | cps |
| Bromine | 81-2 | 15692 | 15999 | 15949 | 15880 | 1.04 | cps |
| Cadmium | 108-1 | 17 | 33 | 23 | 24 | 34.31 | cps |
| Cadmium | 106-1 | 2547 | 2420 | 2474 | 2480 | 2.56 | cps |
| Cadmium | 111-1 | 1895 | 1794 | 1789 | 1826 | 3.27 | cps |
| Calcium | 43-1 | 707735 | 705171 | 710812 | 707906 | 0.40 | cps |
| Calcium | 44-1 | 10676021 | 10711682 | 10624244 | 10670649 | 0.41 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 2170 | 2334 | 2294 | 2266 | 3.76 | cps |
| Cobalt | 59-2 | 8963 | 8906 | 8696 | 8855 | 1.59 | cps |
| Copper | 63-2 | 2887 | 2587 | 2734 | 2736 | 5.48 | cps |
| Dysprosium | 156-1 | 277 | 297 | 293 | 289 | 3.71 | cps |
| Dysprosium | 156-2 | 190 | 260 | 213 | 221 | 16.12 | cps |
| Erbium | 164-1 | 443 | 417 | 427 | 429 | 3.14 | cps |
| Erbium | 164-2 | 207 | 210 | 267 | 228 | 14.80 | cps |
| Gadolinium | 160-1 | 327 | 297 | 320 | 314 | 5.01 | cps |
| Gadolinium | 160-2 | 503 | 490 | 470 | 488 | 3.44 | cps |
| Holmium | 165-1 | 9456315 | 9664903 | 9581902 | 9567707 | 1.10 | cps |
| Holmium | 165-2 | 6744527 | 6647497 | 6656590 | 6682871 | 0.80 | cps |
| Indium | 115-1 | 7992115 | 8129543 | 8041543 | 8054400 | 0.86 | cps |
| Indium | 115-2 | 2523980 | 2570196 | 2499392 | 2531190 | 1.42 | cps |
| Iron | 56-2 | 7981746 | 7967224 | 7859472 | 7936147 | 0.84 | cps |
| Iron | 57-2 | 215878 | 215751 | 212058 | 214562 | 1.01 | cps |
| Iron | 54-2 | 451158 | 451514 | 447866 | 450179 | 0.45 | cps |
| Krypton | 83-1 | 187 | 253 | 210 | 217 | 15.61 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3457-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 924-K1-WS-080224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:34:15 | DataFile Name : | 047SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 4437 | 4394 | 4191 | 4341 | 3.04 | cps |
| Lead | 207-1 | 4064 | 3727 | 3564 | 3785 | 6.74 | cps |
| Lead | 208-1 | 17681 | 17368 | 16898 | 17316 | 2.28 | cps |
| Lithium | 6-1 | 1712740 | 1740457 | 1737854 | 1730350 | 0.88 | cps |
| Magnesium | 24-2 | 1916112 | 1888603 | 1886013 | 1896909 | 0.88 | cps |
| Manganese | 55-2 | 3344657 | 3342676 | 3293057 | 3326797 | 0.88 | cps |
| Molybdenum | 94-1 | 2197 | 1977 | 2070 | 2081 | 5.31 | cps |
| Molybdenum | 95-1 | 2587 | 2350 | 2360 | 2432 | 5.50 | cps |
| Molybdenum | 96-1 | 2780 | 2574 | 2474 | 2609 | 6.00 | cps |
| Molybdenum | 97-1 | 1460 | 1357 | 1283 | 1367 | 6.49 | cps |
| Molybdenum | 98-1 | 3727 | 3367 | 3500 | 3532 | 5.15 | cps |
| Neodymium | 150-1 | 383 | 467 | 390 | 413 | 11.20 | cps |
| Neodymium | 150-2 | 263 | 227 | 293 | 261 | 12.79 | cps |
| Nickel | 60-2 | 1357 | 1410 | 1393 | 1387 | 1.97 | cps |
| Phosphorus | 31-2 | 573 | 430 | 413 | 472 | 18.63 | cps |
| Potassium | 39-2 | 1225237 | 1249198 | 1222845 | 1232427 | 1.18 | cps |
| Rhodium | 103-1 | 7393919 | 7629391 | 7543227 | 7522179 | 1.58 | cps |
| Rhodium | 103-2 | 4280208 | 4224959 | 4185833 | 4230333 | 1.12 | cps |
| Scandium | 45-1 | 5190645 | 5122215 | 5339292 | 5217384 | 2.13 | cps |
| Scandium | 45-2 | 365063 | 363023 | 363698 | 363928 | 0.29 | cps |
| Selenium | 82-1 | 389 | 292 | 370 | 350 | 14.59 | cps |
| Selenium | 77-2 | 3 | 10 | 0 | 4 | 114.60 | cps |
| Selenium | 78-2 | 147 | 217 | 147 | 170 | 23.77 | cps |
| Silicon | 28-1 | 10791507 | 11304509 | 11138019 | 11078012 | 2.36 | cps |
| Silver | 107-1 | 7042 | 7025 | 6538 | 6868 | 4.16 | cps |
| Silver | 109-1 | 6912 | 6672 | 6358 | 6647 | 4.18 | cps |
| Sodium | 23-2 | 57871896 | 56833811 | 56473482 | 57059730 | 1.27 | cps |
| Strontium | 86-1 | 517914 | 520934 | 515383 | 518077 | 0.54 | cps |
| Strontium | 88-1 | 4547501 | 4597994 | 4545891 | 4563795 | 0.65 | cps |
| Sulfur | 34-1 | 215667 | 212837 | 214481 | 214329 | 0.66 | cps |
| Terbium | 159-1 | 9912341 | 10070067 | 10004592 | 9995667 | 0.79 | cps |
| Terbium | 159-2 | 6518098 | 6503733 | 6511169 | 6511000 | 0.11 | cps |
| Thallium | 203-1 | 453 | 363 | 253 | 357 | 28.08 | cps |
| Thallium | 205-1 | 803 | 867 | 743 | 804 | 7.67 | cps |
| Tin | 118-1 | 3734 | 4011 | 4334 | 4026 | 7.46 | cps |
| Titanium | 47-1 | 1593 | 1620 | 1447 | 1553 | 6.01 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3457-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 924-K1-WS-080224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:34:15 | DataFile Name : | 047SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 953 | 927 | 840 | 907 | 6.54 | cps |
| Vanadium | 51-2 | 867 | 850 | 753 | 823 | 7.43 | cps |
| Yttrium | 89-1 | 10937810 | 11149052 | 10643445 | 10910102 | 2.33 | cps |
| Yttrium | 89-2 | 2526582 | 2464129 | 2447827 | 2479512 | 1.68 | cps |
| Zinc | 66-2 | 3367 | 3310 | 3024 | 3234 | 5.69 | cps |
| Zirconium | 90-1 | 2387 | 2150 | 2380 | 2306 | 5.85 | cps |
| Zirconium | 91-1 | 520 | 530 | 573 | 541 | 5.24 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3457-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 932-K1-WS-080224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:37:26 | DataFile Name : | 048SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3627 | 3660 | 3690 | 3659 | 0.87 | cps |
| Antimony | 121-1 | 1560 | 1653 | 1673 | 1629 | 3.71 | cps |
| Arsenic | 75-2 | 293 | 380 | 270 | 314 | 18.43 | cps |
| Barium | 135-1 | 284525 | 286935 | 282987 | 284815 | 0.70 | cps |
| Barium | 137-1 | 487223 | 498222 | 491618 | 492354 | 1.12 | cps |
| Beryllium | 9-1 | 120 | 107 | 110 | 112 | 6.18 | cps |
| Bismuth | 209-1 | 5507043 | 5457302 | 5557803 | 5507382 | 0.91 | cps |
| Bismuth | 209-2 | 4604509 | 4621013 | 4561574 | 4595699 | 0.67 | cps |
| Bromine | 81-1 | 70713 | 87893 | 99375 | 85993 | 16.77 | cps |
| Bromine | 81-2 | 15879 | 15755 | 16102 | 15912 | 1.11 | cps |
| Cadmium | 108-1 | 10 | 23 | 10 | 14 | 53.28 | cps |
| Cadmium | 106-1 | 2634 | 2430 | 2484 | 2516 | 4.19 | cps |
| Cadmium | 111-1 | 1887 | 1705 | 1788 | 1793 | 5.07 | cps |
| Calcium | 43-1 | 680931 | 691746 | 691555 | 688077 | 0.90 | cps |
| Calcium | 44-1 | 10224475 | 10182060 | 10448478 | 10285005 | 1.39 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1870 | 1780 | 1880 | 1843 | 2.99 | cps |
| Cobalt | 59-2 | 7966 | 7936 | 7926 | 7942 | 0.26 | cps |
| Copper | 63-2 | 2860 | 2824 | 3080 | 2921 | 4.75 | cps |
| Dysprosium | 156-1 | 227 | 213 | 227 | 222 | 3.46 | cps |
| Dysprosium | 156-2 | 217 | 170 | 173 | 187 | 13.95 | cps |
| Erbium | 164-1 | 357 | 300 | 380 | 346 | 11.91 | cps |
| Erbium | 164-2 | 207 | 213 | 247 | 222 | 9.64 | cps |
| Gadolinium | 160-1 | 280 | 280 | 287 | 282 | 1.36 | cps |
| Gadolinium | 160-2 | 453 | 450 | 463 | 456 | 1.52 | cps |
| Holmium | 165-1 | 9590519 | 9598697 | 9520176 | 9569797 | 0.45 | cps |
| Holmium | 165-2 | 6626985 | 6614594 | 6598810 | 6613463 | 0.21 | cps |
| Indium | 115-1 | 8200342 | 8174053 | 7909928 | 8094774 | 1.98 | cps |
| Indium | 115-2 | 2585582 | 2619305 | 2552711 | 2585866 | 1.29 | cps |
| Iron | 56-2 | 9176816 | 9000092 | 9038887 | 9071932 | 1.02 | cps |
| Iron | 57-2 | 245712 | 245987 | 244493 | 245397 | 0.32 | cps |
| Iron | 54-2 | 518932 | 517915 | 518990 | 518612 | 0.12 | cps |
| Krypton | 83-1 | 217 | 197 | 240 | 218 | 9.96 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3457-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 932-K1-WS-080224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:37:26 | DataFile Name : | 048SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2200 | 2030 | 2077 | 2102 | 4.18 | cps |
| Lead | 207-1 | 1810 | 1787 | 1673 | 1757 | 4.16 | cps |
| Lead | 208-1 | 8578 | 8301 | 8211 | 8363 | 2.29 | cps |
| Lithium | 6-1 | 1725243 | 1713983 | 1739900 | 1726375 | 0.75 | cps |
| Magnesium | 24-2 | 1823303 | 1862147 | 1826583 | 1837344 | 1.17 | cps |
| Manganese | 55-2 | 2883411 | 2882204 | 2799727 | 2855114 | 1.68 | cps |
| Molybdenum | 94-1 | 957 | 1127 | 1120 | 1068 | 9.02 | cps |
| Molybdenum | 95-1 | 990 | 1067 | 1117 | 1058 | 6.03 | cps |
| Molybdenum | 96-1 | 1177 | 1243 | 1253 | 1225 | 3.40 | cps |
| Molybdenum | 97-1 | 607 | 617 | 547 | 590 | 6.42 | cps |
| Molybdenum | 98-1 | 1443 | 1467 | 1447 | 1452 | 0.87 | cps |
| Neodymium | 150-1 | 347 | 343 | 297 | 329 | 8.50 | cps |
| Neodymium | 150-2 | 170 | 170 | 147 | 162 | 8.30 | cps |
| Nickel | 60-2 | 1327 | 1267 | 1203 | 1266 | 4.87 | cps |
| Phosphorus | 31-2 | 540 | 420 | 413 | 458 | 15.57 | cps |
| Potassium | 39-2 | 1167728 | 1239529 | 1157476 | 1188244 | 3.76 | cps |
| Rhodium | 103-1 | 7489188 | 7474135 | 7421746 | 7461690 | 0.47 | cps |
| Rhodium | 103-2 | 4255680 | 4307841 | 4224257 | 4262593 | 0.99 | cps |
| Scandium | 45-1 | 5170633 | 5244501 | 5150706 | 5188613 | 0.95 | cps |
| Scandium | 45-2 | 364389 | 359781 | 363288 | 362486 | 0.66 | cps |
| Selenium | 82-1 | 329 | 333 | 353 | 338 | 3.74 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 187 | 190 | 200 | 192 | 3.61 | cps |
| Silicon | 28-1 | 10359777 | 10378389 | 10566077 | 10434747 | 1.09 | cps |
| Silver | 107-1 | 4014 | 3827 | 3691 | 3844 | 4.22 | cps |
| Silver | 109-1 | 3564 | 3470 | 3454 | 3496 | 1.70 | cps |
| Sodium | 23-2 | 56106684 | 56031706 | 55376733 | 55838374 | 0.72 | cps |
| Strontium | 86-1 | 508725 | 504263 | 503384 | 505457 | 0.57 | cps |
| Strontium | 88-1 | 4400519 | 4523093 | 4433280 | 4452297 | 1.43 | cps |
| Sulfur | 34-1 | 219500 | 222134 | 221107 | 220914 | 0.60 | cps |
| Terbium | 159-1 | 9906557 | 10167389 | 9880758 | 9984901 | 1.59 | cps |
| Terbium | 159-2 | 6488111 | 6629314 | 6456997 | 6524807 | 1.41 | cps |
| Thallium | 203-1 | 120 | 157 | 137 | 138 | 13.33 | cps |
| Thallium | 205-1 | 327 | 293 | 303 | 308 | 5.56 | cps |
| Tin | 118-1 | 2110 | 2267 | 2047 | 2141 | 5.29 | cps |
| Titanium | 47-1 | 1217 | 1113 | 1237 | 1189 | 5.57 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3457-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 932-K1-WS-080224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:37:26 | DataFile Name : | 048SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 260 | 217 | 327 | 268 | 20.69 | cps |
| Vanadium | 51-2 | 613 | 623 | 547 | 594 | 7.01 | cps |
| Yttrium | 89-1 | 10940712 | 10797809 | 10701203 | 10813241 | 1.11 | cps |
| Yttrium | 89-2 | 2469134 | 2480594 | 2506742 | 2485490 | 0.78 | cps |
| Zinc | 66-2 | 2440 | 2640 | 2627 | 2569 | 4.35 | cps |
| Zirconium | 90-1 | 1393 | 1360 | 1497 | 1417 | 5.03 | cps |
| Zirconium | 91-1 | 290 | 310 | 353 | 318 | 10.19 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3609-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 915-J-WS-081424 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:40:39 | DataFile Name : | 049SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 80600 | 80419 | 82098 | 81039 | 1.14 | cps |
| Antimony | 121-1 | 2634 | 2960 | 2907 | 2834 | 6.19 | cps |
| Arsenic | 75-2 | 1213 | 1303 | 1200 | 1239 | 4.54 | cps |
| Barium | 135-1 | 98598 | 99827 | 99952 | 99459 | 0.75 | cps |
| Barium | 137-1 | 169940 | 173200 | 173104 | 172081 | 1.08 | cps |
| Beryllium | 9-1 | 173 | 110 | 127 | 137 | 24.02 | cps |
| Bismuth | 209-1 | 5652456 | 5578573 | 5697868 | 5642966 | 1.07 | cps |
| Bismuth | 209-2 | 4636705 | 4807072 | 4670983 | 4704920 | 1.92 | cps |
| Bromine | 81-1 | 38577 | 42752 | 43009 | 41446 | 6.00 | cps |
| Bromine | 81-2 | 5771 | 5748 | 5718 | 5746 | 0.47 | cps |
| Cadmium | 108-1 | 23 | 27 | 17 | 22 | 22.91 | cps |
| Cadmium | 106-1 | 2564 | 2524 | 2450 | 2512 | 2.29 | cps |
| Cadmium | 111-1 | 1968 | 1941 | 1867 | 1925 | 2.73 | cps |
| Calcium | 43-1 | 396742 | 394730 | 391436 | 394303 | 0.68 | cps |
| Calcium | 44-1 | 5851274 | 5928486 | 5908277 | 5896012 | 0.68 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 6221 | 6308 | 6555 | 6361 | 2.72 | cps |
| Cobalt | 59-2 | 4401 | 4217 | 4551 | 4390 | 3.80 | cps |
| Copper | 63-2 | 24597 | 24440 | 24627 | 24555 | 0.41 | cps |
| Dysprosium | 156-1 | 943 | 923 | 807 | 891 | 8.28 | cps |
| Dysprosium | 156-2 | 660 | 670 | 610 | 647 | 4.97 | cps |
| Erbium | 164-1 | 777 | 790 | 893 | 820 | 7.79 | cps |
| Erbium | 164-2 | 563 | 507 | 520 | 530 | 5.59 | cps |
| Gadolinium | 160-1 | 867 | 807 | 817 | 830 | 3.87 | cps |
| Gadolinium | 160-2 | 840 | 853 | 917 | 870 | 4.71 | cps |
| Holmium | 165-1 | 9542042 | 9755109 | 9526734 | 9607962 | 1.33 | cps |
| Holmium | 165-2 | 6705944 | 6781605 | 6680724 | 6722757 | 0.78 | cps |
| Indium | 115-1 | 8230924 | 8165969 | 8280358 | 8225750 | 0.70 | cps |
| Indium | 115-2 | 2597067 | 2535390 | 2589436 | 2573965 | 1.31 | cps |
| Iron | 56-2 | 11478173 | 11331780 | 11355900 | 11388618 | 0.69 | cps |
| Iron | 57-2 | 307689 | 305164 | 307280 | 306711 | 0.44 | cps |
| Iron | 54-2 | 661094 | 663783 | 660365 | 661747 | 0.27 | cps |
| Krypton | 83-1 | 217 | 177 | 213 | 202 | 10.98 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3609-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 915-J-WS-081424 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:40:39 | DataFile Name : | 049SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 23631 | 22943 | 23150 | 23241 | 1.52 | cps |
| Lead | 207-1 | 19227 | 20118 | 19958 | 19768 | 2.40 | cps |
| Lead | 208-1 | 90835 | 91106 | 90932 | 90958 | 0.15 | cps |
| Lithium | 6-1 | 1741357 | 1732261 | 1752660 | 1742093 | 0.59 | cps |
| Magnesium | 24-2 | 708062 | 704534 | 705907 | 706168 | 0.25 | cps |
| Manganese | 55-2 | 801192 | 797144 | 790532 | 796289 | 0.68 | cps |
| Molybdenum | 94-1 | 2727 | 2740 | 2664 | 2710 | 1.51 | cps |
| Molybdenum | 95-1 | 2070 | 2023 | 2227 | 2107 | 5.06 | cps |
| Molybdenum | 96-1 | 2634 | 2877 | 2660 | 2724 | 4.90 | cps |
| Molybdenum | 97-1 | 1430 | 1363 | 1287 | 1360 | 5.27 | cps |
| Molybdenum | 98-1 | 3300 | 3417 | 3384 | 3367 | 1.79 | cps |
| Neodymium | 150-1 | 1273 | 1257 | 1253 | 1261 | 0.85 | cps |
| Neodymium | 150-2 | 697 | 710 | 683 | 697 | 1.91 | cps |
| Nickel | 60-2 | 1993 | 1997 | 2007 | 1999 | 0.35 | cps |
| Phosphorus | 31-2 | 1567 | 1510 | 1500 | 1526 | 2.36 | cps |
| Potassium | 39-2 | 724943 | 722533 | 723647 | 723708 | 0.17 | cps |
| Rhodium | 103-1 | 7710606 | 7694833 | 7471468 | 7625636 | 1.75 | cps |
| Rhodium | 103-2 | 4341229 | 4318158 | 4292981 | 4317456 | 0.56 | cps |
| Scandium | 45-1 | 5200623 | 5226437 | 5186105 | 5204389 | 0.39 | cps |
| Scandium | 45-2 | 364473 | 363999 | 362386 | 363620 | 0.30 | cps |
| Selenium | 82-1 | 306 | 399 | 353 | 353 | 13.21 | cps |
| Selenium | 77-2 | 0 | 10 | 0 | 3 | 173.21 | cps |
| Selenium | 78-2 | 213 | 230 | 187 | 210 | 10.41 | cps |
| Silicon | 28-1 | 13228064 | 13325027 | 13992174 | 13515088 | 3.08 | cps |
| Silver | 107-1 | 1100 | 1167 | 1093 | 1120 | 3.62 | cps |
| Silver | 109-1 | 1070 | 1080 | 1073 | 1074 | 0.47 | cps |
| Sodium | 23-2 | 21937769 | 21866706 | 21758646 | 21854373 | 0.41 | cps |
| Strontium | 86-1 | 268593 | 275934 | 272817 | 272448 | 1.35 | cps |
| Strontium | 88-1 | 2413537 | 2415667 | 2367925 | 2399043 | 1.12 | cps |
| Sulfur | 34-1 | 303927 | 300725 | 301053 | 301902 | 0.58 | cps |
| Terbium | 159-1 | 9961780 | 9895648 | 10179180 | 10012203 | 1.48 | cps |
| Terbium | 159-2 | 6584568 | 6582465 | 6552422 | 6573152 | 0.27 | cps |
| Thallium | 203-1 | 157 | 170 | 133 | 153 | 12.10 | cps |
| Thallium | 205-1 | 413 | 390 | 367 | 390 | 5.98 | cps |
| Tin | 118-1 | 4441 | 4517 | 4861 | 4606 | 4.86 | cps |
| Titanium | 47-1 | 15094 | 14911 | 15311 | 15105 | 1.33 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3609-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 915-J-WS-081424 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:40:39 | DataFile Name : | 049SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1080 | 927 | 1043 | 1017 | 7.88 | cps |
| Vanadium | 51-2 | 5058 | 5194 | 5394 | 5215 | 3.25 | cps |
| Yttrium | 89-1 | 11116399 | 11124126 | 11029297 | 11089941 | 0.47 | cps |
| Yttrium | 89-2 | 2492641 | 2499667 | 2501069 | 2497792 | 0.18 | cps |
| Zinc | 66-2 | 23876 | 23552 | 24246 | 23891 | 1.45 | cps |
| Zirconium | 90-1 | 3894 | 4034 | 4251 | 4059 | 4.43 | cps |
| Zirconium | 91-1 | 910 | 883 | 923 | 906 | 2.25 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV03 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV03 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:43:51 | DataFile Name : | 050CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5684684 | 5740232 | 5753632 | 5726183 | 0.64 | cps |
| Antimony | 121-1 | 3332563 | 3374714 | 3344476 | 3350584 | 0.65 | cps |
| Arsenic | 75-2 | 160316 | 158567 | 157846 | 158909 | 0.80 | cps |
| Barium | 135-1 | 3905050 | 3987704 | 3967050 | 3953268 | 1.09 | cps |
| Barium | 137-1 | 6844132 | 6721200 | 6837094 | 6800809 | 1.02 | cps |
| Beryllium | 9-1 | 638173 | 663045 | 663879 | 655032 | 2.23 | cps |
| Bismuth | 209-1 | 5382462 | 5410870 | 5431828 | 5408387 | 0.46 | cps |
| Bismuth | 209-2 | 4393850 | 4528171 | 4434059 | 4452027 | 1.55 | cps |
| Bromine | 81-1 | 13780 | 13016 | 12238 | 13011 | 5.92 | cps |
| Bromine | 81-2 | 750 | 593 | 620 | 654 | 12.81 | cps |
| Cadmium | 108-1 | 57413 | 57651 | 57179 | 57414 | 0.41 | cps |
| Cadmium | 106-1 | 83786 | 84564 | 84903 | 84418 | 0.68 | cps |
| Cadmium | 111-1 | 767209 | 778286 | 787146 | 777547 | 1.28 | cps |
| Calcium | 43-1 | 4684412 | 4782521 | 4804026 | 4756986 | 1.34 | cps |
| Calcium | 44-1 | 74891789 | 74607792 | 76878336 | 75459306 | 1.64 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1141780 | 1141495 | 1147390 | 1143555 | 0.29 | cps |
| Cobalt | 59-2 | 1733601 | 1741005 | 1698933 | 1724513 | 1.30 | cps |
| Copper | 63-2 | 11823961 | 11851682 | 11815563 | 11830402 | 0.16 | cps |
| Dysprosium | 156-1 | 223 | 200 | 207 | 210 | 5.72 | cps |
| Dysprosium | 156-2 | 297 | 277 | 303 | 292 | 4.75 | cps |
| Erbium | 164-1 | 203 | 230 | 263 | 232 | 12.95 | cps |
| Erbium | 164-2 | 127 | 180 | 147 | 151 | 17.83 | cps |
| Gadolinium | 160-1 | 193 | 197 | 170 | 187 | 7.79 | cps |
| Gadolinium | 160-2 | 350 | 473 | 430 | 418 | 14.98 | cps |
| Holmium | 165-1 | 9942898 | 9617436 | 9628359 | 9729564 | 1.90 | cps |
| Holmium | 165-2 | 6651252 | 6826555 | 6634019 | 6703942 | 1.59 | cps |
| Indium | 115-1 | 8072816 | 7891181 | 7937522 | 7967173 | 1.18 | cps |
| Indium | 115-2 | 2485920 | 2424782 | 2468219 | 2459640 | 1.28 | cps |
| Iron | 56-2 | 243959890 | 239385936 | 239531023 | 240958950 | 1.08 | cps |
| Iron | 57-2 | 6016556 | 6056148 | 5937202 | 6003302 | 1.01 | cps |
| Iron | 54-2 | 13034148 | 13293850 | 12994960 | 13107653 | 1.24 | cps |
| Krypton | 83-1 | 203 | 263 | 207 | 224 | 15.02 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV03 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV03 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:43:51 | DataFile Name : | 050CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10153307 | 10296292 | 10268594 | 10239398 | 0.74 | cps |
| Lead | 207-1 | 8960575 | 9108876 | 9001900 | 9023783 | 0.85 | cps |
| Lead | 208-1 | 40700971 | 41611032 | 41330593 | 41214199 | 1.13 | cps |
| Lithium | 6-1 | 1783538 | 1709494 | 1758210 | 1750414 | 2.15 | cps |
| Magnesium | 24-2 | 50351536 | 51329298 | 50676549 | 50785794 | 0.98 | cps |
| Manganese | 55-2 | 7917275 | 7997755 | 8096081 | 8003703 | 1.12 | cps |
| Molybdenum | 94-1 | 12135114 | 12104719 | 12165509 | 12135114 | 0.25 | cps |
| Molybdenum | 95-1 | 17688121 | 17829501 | 17490162 | 17669261 | 0.96 | cps |
| Molybdenum | 96-1 | 18813518 | 18920705 | 19577234 | 19103819 | 2.16 | cps |
| Molybdenum | 97-1 | 10922612 | 10823697 | 10991478 | 10912596 | 0.77 | cps |
| Molybdenum | 98-1 | 27872950 | 28305937 | 28239117 | 28139335 | 0.83 | cps |
| Neodymium | 150-1 | 287 | 267 | 300 | 284 | 5.90 | cps |
| Neodymium | 150-2 | 103 | 130 | 120 | 118 | 11.44 | cps |
| Nickel | 60-2 | 429200 | 431042 | 429785 | 430009 | 0.22 | cps |
| Phosphorus | 31-2 | 66028 | 66095 | 67046 | 66390 | 0.86 | cps |
| Potassium | 39-2 | 30217365 | 30163690 | 30248893 | 30209982 | 0.14 | cps |
| Rhodium | 103-1 | 7263226 | 7144412 | 7180203 | 7195947 | 0.85 | cps |
| Rhodium | 103-2 | 4051807 | 4041157 | 3987171 | 4026712 | 0.86 | cps |
| Scandium | 45-1 | 5252657 | 5023346 | 5181873 | 5152625 | 2.28 | cps |
| Scandium | 45-2 | 358971 | 360851 | 356264 | 358696 | 0.64 | cps |
| Selenium | 82-1 | 52523 | 52631 | 52429 | 52528 | 0.19 | cps |
| Selenium | 77-2 | 4301 | 4247 | 4397 | 4315 | 1.76 | cps |
| Selenium | 78-2 | 14611 | 14400 | 14377 | 14463 | 0.89 | cps |
| Silicon | 28-1 | 32814357 | 32587646 | 32461048 | 32621017 | 0.55 | cps |
| Silver | 107-1 | 3851064 | 3875883 | 3887712 | 3871553 | 0.48 | cps |
| Silver | 109-1 | 3622025 | 3651519 | 3694965 | 3656169 | 1.00 | cps |
| Sodium | 23-2 | 80878929 | 82349284 | 81393509 | 81540574 | 0.92 | cps |
| Strontium | 86-1 | 25719345 | 25850241 | 25904391 | 25824659 | 0.37 | cps |
| Strontium | 88-1 | 227526257 | 224012743 | 223914223 | 225151074 | 0.91 | cps |
| Sulfur | 34-1 | 493378 | 493481 | 488303 | 491720 | 0.60 | cps |
| Terbium | 159-1 | 10058970 | 10094834 | 10049995 | 10067933 | 0.24 | cps |
| Terbium | 159-2 | 6517910 | 6532143 | 6620883 | 6556978 | 0.85 | cps |
| Thallium | 203-1 | 2563220 | 2657994 | 2694788 | 2638667 | 2.57 | cps |
| Thallium | 205-1 | 6147778 | 6293331 | 6354897 | 6265335 | 1.70 | cps |
| Tin | 118-1 | 2564033 | 2639246 | 2601338 | 2601539 | 1.45 | cps |
| Titanium | 47-1 | 4959395 | 4804765 | 4975702 | 4913288 | 1.92 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV03 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV03 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:43:51 | DataFile Name : | 050CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7921999 | 8075246 | 8220413 | 8072553 | 1.85 | cps |
| Vanadium | 51-2 | 1019741 | 1032682 | 1018228 | 1023550 | 0.78 | cps |
| Yttrium | 89-1 | 10914743 | 10917808 | 11006002 | 10946184 | 0.47 | cps |
| Yttrium | 89-2 | 2386548 | 2455684 | 2395025 | 2412419 | 1.56 | cps |
| Zinc | 66-2 | 2032170 | 2029316 | 2016824 | 2026103 | 0.40 | cps |
| Zirconium | 90-1 | 5668660 | 5788742 | 5921167 | 5792856 | 2.18 | cps |
| Zirconium | 91-1 | 1290234 | 1302479 | 1303797 | 1298837 | 0.58 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB03 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB03 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:49:05 | DataFile Name : | 051CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 353 | 290 | 377 | 340 | 13.19 | cps |
| Antimony | 121-1 | 1027 | 1320 | 1767 | 1371 | 27.18 | cps |
| Arsenic | 75-2 | 7 | 13 | 7 | 9 | 43.25 | cps |
| Barium | 135-1 | 100 | 83 | 133 | 106 | 24.12 | cps |
| Barium | 137-1 | 163 | 183 | 153 | 167 | 9.16 | cps |
| Beryllium | 9-1 | 110 | 90 | 110 | 103 | 11.17 | cps |
| Bismuth | 209-1 | 5610353 | 5729169 | 5273157 | 5537560 | 4.27 | cps |
| Bismuth | 209-2 | 4692419 | 4808717 | 4833004 | 4778047 | 1.57 | cps |
| Bromine | 81-1 | 8463 | 8623 | 8596 | 8560 | 1.00 | cps |
| Bromine | 81-2 | 193 | 197 | 227 | 206 | 8.93 | cps |
| Cadmium | 108-1 | 20 | 17 | 7 | 14 | 48.02 | cps |
| Cadmium | 106-1 | 2350 | 2577 | 2104 | 2344 | 10.10 | cps |
| Cadmium | 111-1 | 1668 | 1819 | 1494 | 1660 | 9.78 | cps |
| Calcium | 43-1 | 343 | 457 | 340 | 380 | 17.48 | cps |
| Calcium | 44-1 | 12249 | 11135 | 11228 | 11537 | 5.36 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 553 | 620 | 567 | 580 | 6.08 | cps |
| Cobalt | 59-2 | 113 | 73 | 97 | 94 | 21.28 | cps |
| Copper | 63-2 | 1167 | 1243 | 1317 | 1242 | 6.04 | cps |
| Dysprosium | 156-1 | 20 | 33 | 37 | 30 | 29.40 | cps |
| Dysprosium | 156-2 | 3 | 3 | 3 | 3 | 0.00 | cps |
| Erbium | 164-1 | 80 | 83 | 77 | 80 | 4.16 | cps |
| Erbium | 164-2 | 47 | 30 | 30 | 36 | 27.07 | cps |
| Gadolinium | 160-1 | 37 | 50 | 37 | 41 | 18.72 | cps |
| Gadolinium | 160-2 | 327 | 290 | 317 | 311 | 6.09 | cps |
| Holmium | 165-1 | 9376136 | 9331510 | 8819115 | 9175587 | 3.37 | cps |
| Holmium | 165-2 | 6569224 | 6575000 | 6535807 | 6560010 | 0.32 | cps |
| Indium | 115-1 | 8180894 | 8275868 | 7758016 | 8071593 | 3.42 | cps |
| Indium | 115-2 | 2546796 | 2610892 | 2550617 | 2569435 | 1.40 | cps |
| Iron | 56-2 | 16329 | 17293 | 18679 | 17434 | 6.77 | cps |
| Iron | 57-2 | 1650 | 1673 | 1697 | 1673 | 1.39 | cps |
| Iron | 54-2 | 1647 | 1603 | 1787 | 1679 | 5.71 | cps |
| Krypton | 83-1 | 220 | 193 | 193 | 202 | 7.61 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB03 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB03 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:49:05 | DataFile Name : | 051CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 640 | 603 | 580 | 608 | 4.98 | cps |
| Lead | 207-1 | 483 | 557 | 507 | 516 | 7.27 | cps |
| Lead | 208-1 | 2543 | 2540 | 2290 | 2458 | 5.91 | cps |
| Lithium | 6-1 | 1684712 | 1634399 | 1559058 | 1626057 | 3.89 | cps |
| Magnesium | 24-2 | 1760 | 1870 | 2100 | 1910 | 9.08 | cps |
| Manganese | 55-2 | 433 | 523 | 560 | 506 | 12.89 | cps |
| Molybdenum | 94-1 | 623 | 630 | 683 | 646 | 5.09 | cps |
| Molybdenum | 95-1 | 563 | 477 | 607 | 549 | 12.06 | cps |
| Molybdenum | 96-1 | 593 | 680 | 700 | 658 | 8.62 | cps |
| Molybdenum | 97-1 | 367 | 303 | 423 | 364 | 16.47 | cps |
| Molybdenum | 98-1 | 813 | 860 | 900 | 858 | 5.06 | cps |
| Neodymium | 150-1 | 10 | 17 | 3 | 10 | 66.70 | cps |
| Neodymium | 150-2 | 0 | 10 | 10 | 7 | 86.60 | cps |
| Nickel | 60-2 | 237 | 193 | 190 | 207 | 12.60 | cps |
| Phosphorus | 31-2 | 133 | 87 | 120 | 113 | 21.21 | cps |
| Potassium | 39-2 | 48286 | 48454 | 48544 | 48428 | 0.27 | cps |
| Rhodium | 103-1 | 7807788 | 7745696 | 7318546 | 7624010 | 3.49 | cps |
| Rhodium | 103-2 | 4417620 | 4401549 | 4346616 | 4388595 | 0.85 | cps |
| Scandium | 45-1 | 5045937 | 5099134 | 4828089 | 4991053 | 2.88 | cps |
| Scandium | 45-2 | 367133 | 365319 | 360467 | 364306 | 0.95 | cps |
| Selenium | 82-1 | 286 | 294 | 276 | 285 | 3.25 | cps |
| Selenium | 77-2 | 0 | 3 | 3 | 2 | 86.60 | cps |
| Selenium | 78-2 | 243 | 177 | 223 | 214 | 15.95 | cps |
| Silicon | 28-1 | 299906 | 301242 | 301497 | 300882 | 0.28 | cps |
| Silver | 107-1 | 417 | 287 | 210 | 304 | 34.32 | cps |
| Silver | 109-1 | 420 | 190 | 217 | 276 | 45.65 | cps |
| Sodium | 23-2 | 27398 | 27611 | 27588 | 27532 | 0.43 | cps |
| Strontium | 86-1 | 780 | 693 | 780 | 751 | 6.66 | cps |
| Strontium | 88-1 | 3547 | 3210 | 3697 | 3485 | 7.15 | cps |
| Sulfur | 34-1 | 198090 | 198866 | 198869 | 198608 | 0.23 | cps |
| Terbium | 159-1 | 9823507 | 9740850 | 9385702 | 9650020 | 2.41 | cps |
| Terbium | 159-2 | 6433338 | 6582277 | 6476300 | 6497305 | 1.18 | cps |
| Thallium | 203-1 | 137 | 100 | 153 | 130 | 20.99 | cps |
| Thallium | 205-1 | 303 | 260 | 273 | 279 | 7.96 | cps |
| Tin | 118-1 | 1150 | 1180 | 2358 | 1563 | 44.08 | cps |
| Titanium | 47-1 | 243 | 260 | 257 | 253 | 3.48 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB03 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB03 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:49:05 | DataFile Name : | 051CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 103 | 133 | 133 | 123 | 14.05 | cps |
| Vanadium | 51-2 | 30 | 40 | 60 | 43 | 35.25 | cps |
| Yttrium | 89-1 | 10976479 | 10854752 | 10279976 | 10703736 | 3.48 | cps |
| Yttrium | 89-2 | 2537863 | 2456255 | 2429650 | 2474589 | 2.28 | cps |
| Zinc | 66-2 | 790 | 767 | 793 | 783 | 1.86 | cps |
| Zirconium | 90-1 | 737 | 850 | 873 | 820 | 8.92 | cps |
| Zirconium | 91-1 | 160 | 167 | 227 | 184 | 19.91 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3609-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 920-J-WS-081424 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:55:43 | DataFile Name : | 052SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 13880 | 13359 | 13563 | 13601 | 1.93 | cps |
| Antimony | 121-1 | 1603 | 1657 | 1880 | 1713 | 8.57 | cps |
| Arsenic | 75-2 | 700 | 763 | 753 | 739 | 4.61 | cps |
| Barium | 135-1 | 89935 | 92176 | 92256 | 91456 | 1.44 | cps |
| Barium | 137-1 | 156882 | 159562 | 159219 | 158554 | 0.92 | cps |
| Beryllium | 9-1 | 60 | 87 | 67 | 71 | 19.52 | cps |
| Bismuth | 209-1 | 5522402 | 5467583 | 5423108 | 5471031 | 0.91 | cps |
| Bismuth | 209-2 | 4645550 | 4633105 | 4674937 | 4651197 | 0.46 | cps |
| Bromine | 81-1 | 28150 | 33428 | 37147 | 32908 | 13.74 | cps |
| Bromine | 81-2 | 5134 | 5221 | 5194 | 5183 | 0.86 | cps |
| Cadmium | 108-1 | 10 | 7 | 13 | 10 | 33.30 | cps |
| Cadmium | 106-1 | 2160 | 2247 | 2260 | 2222 | 2.44 | cps |
| Cadmium | 111-1 | 1545 | 1601 | 1623 | 1590 | 2.52 | cps |
| Calcium | 43-1 | 402038 | 406250 | 401986 | 403425 | 0.61 | cps |
| Calcium | 44-1 | 6067321 | 6122231 | 6022123 | 6070558 | 0.83 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1853 | 1813 | 1917 | 1861 | 2.80 | cps |
| Cobalt | 59-2 | 2400 | 2330 | 2387 | 2372 | 1.57 | cps |
| Copper | 63-2 | 8706 | 8693 | 8583 | 8660 | 0.78 | cps |
| Dysprosium | 156-1 | 227 | 277 | 280 | 261 | 11.44 | cps |
| Dysprosium | 156-2 | 233 | 213 | 227 | 224 | 4.54 | cps |
| Erbium | 164-1 | 313 | 297 | 357 | 322 | 9.61 | cps |
| Erbium | 164-2 | 180 | 203 | 170 | 184 | 9.28 | cps |
| Gadolinium | 160-1 | 310 | 310 | 277 | 299 | 6.44 | cps |
| Gadolinium | 160-2 | 477 | 493 | 500 | 490 | 2.45 | cps |
| Holmium | 165-1 | 9483804 | 9713914 | 9497434 | 9565051 | 1.35 | cps |
| Holmium | 165-2 | 6604929 | 6480772 | 6645552 | 6577084 | 1.31 | cps |
| Indium | 115-1 | 8263923 | 8180748 | 8275539 | 8240070 | 0.63 | cps |
| Indium | 115-2 | 2689712 | 2686412 | 2590430 | 2655518 | 2.12 | cps |
| Iron | 56-2 | 6301277 | 6237856 | 6244679 | 6261271 | 0.56 | cps |
| Iron | 57-2 | 168309 | 166943 | 168436 | 167896 | 0.49 | cps |
| Iron | 54-2 | 359142 | 356502 | 358127 | 357923 | 0.37 | cps |
| Krypton | 83-1 | 120 | 190 | 230 | 180 | 30.93 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3609-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 920-J-WS-081424 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:55:43 | DataFile Name : | 052SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 6645 | 6835 | 6625 | 6702 | 1.73 | cps |
| Lead | 207-1 | 5848 | 5908 | 5728 | 5828 | 1.57 | cps |
| Lead | 208-1 | 26427 | 26974 | 26394 | 26598 | 1.23 | cps |
| Lithium | 6-1 | 1639596 | 1626910 | 1628710 | 1631739 | 0.42 | cps |
| Magnesium | 24-2 | 713367 | 707710 | 711784 | 710954 | 0.41 | cps |
| Manganese | 55-2 | 830577 | 823468 | 826218 | 826754 | 0.43 | cps |
| Molybdenum | 94-1 | 1567 | 1537 | 1577 | 1560 | 1.33 | cps |
| Molybdenum | 95-1 | 1500 | 1540 | 1697 | 1579 | 6.58 | cps |
| Molybdenum | 96-1 | 1853 | 1890 | 1913 | 1886 | 1.60 | cps |
| Molybdenum | 97-1 | 947 | 1147 | 927 | 1007 | 12.08 | cps |
| Molybdenum | 98-1 | 2540 | 2600 | 2467 | 2536 | 2.63 | cps |
| Neodymium | 150-1 | 330 | 407 | 387 | 374 | 10.62 | cps |
| Neodymium | 150-2 | 213 | 230 | 187 | 210 | 10.41 | cps |
| Nickel | 60-2 | 940 | 967 | 1003 | 970 | 3.28 | cps |
| Phosphorus | 31-2 | 837 | 1003 | 987 | 942 | 9.74 | cps |
| Potassium | 39-2 | 736469 | 738379 | 750323 | 741724 | 1.01 | cps |
| Rhodium | 103-1 | 7727871 | 7683026 | 7645076 | 7685324 | 0.54 | cps |
| Rhodium | 103-2 | 4366196 | 4394531 | 4388233 | 4382987 | 0.34 | cps |
| Scandium | 45-1 | 5174165 | 5236878 | 5164691 | 5191911 | 0.76 | cps |
| Scandium | 45-2 | 367268 | 365983 | 369481 | 367577 | 0.48 | cps |
| Selenium | 82-1 | 379 | 325 | 326 | 343 | 9.02 | cps |
| Selenium | 77-2 | 10 | 0 | 3 | 4 | 114.60 | cps |
| Selenium | 78-2 | 250 | 207 | 213 | 223 | 10.45 | cps |
| Silicon | 28-1 | 10453768 | 10385454 | 10358337 | 10399186 | 0.47 | cps |
| Silver | 107-1 | 460 | 417 | 387 | 421 | 8.75 | cps |
| Silver | 109-1 | 393 | 293 | 343 | 343 | 14.56 | cps |
| Sodium | 23-2 | 22669548 | 22385900 | 23086448 | 22713965 | 1.55 | cps |
| Strontium | 86-1 | 276521 | 281799 | 281444 | 279921 | 1.05 | cps |
| Strontium | 88-1 | 2500213 | 2501371 | 2474178 | 2491921 | 0.62 | cps |
| Sulfur | 34-1 | 302458 | 298760 | 295417 | 298878 | 1.18 | cps |
| Terbium | 159-1 | 9745958 | 9929146 | 10031218 | 9902107 | 1.46 | cps |
| Terbium | 159-2 | 6451664 | 6469521 | 6468695 | 6463294 | 0.16 | cps |
| Thallium | 203-1 | 107 | 113 | 87 | 102 | 13.58 | cps |
| Thallium | 205-1 | 310 | 267 | 240 | 272 | 12.98 | cps |
| Tin | 118-1 | 2180 | 2230 | 2270 | 2227 | 2.03 | cps |
| Titanium | 47-1 | 2447 | 2334 | 2347 | 2376 | 2.61 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3609-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 920-J-WS-081424 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:55:43 | DataFile Name : | 052SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 477 | 487 | 380 | 448 | 13.16 | cps |
| Vanadium | 51-2 | 2387 | 2237 | 2330 | 2318 | 3.27 | cps |
| Yttrium | 89-1 | 11133499 | 10952841 | 10804460 | 10963600 | 1.50 | cps |
| Yttrium | 89-2 | 2554181 | 2512904 | 2497955 | 2521680 | 1.15 | cps |
| Zinc | 66-2 | 7319 | 7639 | 7509 | 7489 | 2.15 | cps |
| Zirconium | 90-1 | 1717 | 1810 | 1803 | 1777 | 2.93 | cps |
| Zirconium | 91-1 | 373 | 363 | 363 | 367 | 1.57 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162951BL | Instrumnet Name : | P7 |
| Client Sample ID : | PB162951BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:58:57 | DataFile Name : | 053CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 183 | 203 | 230 | 206 | 11.39 | cps |
| Antimony | 121-1 | 217 | 257 | 287 | 253 | 13.86 | cps |
| Arsenic | 75-2 | 7 | 7 | 0 | 4 | 86.60 | cps |
| Barium | 135-1 | 67 | 63 | 57 | 62 | 8.18 | cps |
| Barium | 137-1 | 103 | 100 | 87 | 97 | 9.12 | cps |
| Beryllium | 9-1 | 50 | 70 | 53 | 58 | 18.55 | cps |
| Bismuth | 209-1 | 5630333 | 5518281 | 5571768 | 5573460 | 1.01 | cps |
| Bismuth | 209-2 | 4684635 | 4723804 | 4712961 | 4707133 | 0.43 | cps |
| Bromine | 81-1 | 10937 | 10627 | 9897 | 10487 | 5.10 | cps |
| Bromine | 81-2 | 377 | 307 | 280 | 321 | 15.55 | cps |
| Cadmium | 108-1 | 7 | 7 | 20 | 11 | 69.25 | cps |
| Cadmium | 106-1 | 2504 | 2540 | 2554 | 2532 | 1.02 | cps |
| Cadmium | 111-1 | 1755 | 1794 | 1784 | 1777 | 1.14 | cps |
| Calcium | 43-1 | 397 | 380 | 340 | 372 | 7.82 | cps |
| Calcium | 44-1 | 11081 | 11268 | 10941 | 11097 | 1.48 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 553 | 583 | 500 | 546 | 7.74 | cps |
| Cobalt | 59-2 | 50 | 87 | 70 | 69 | 26.65 | cps |
| Copper | 63-2 | 793 | 827 | 777 | 799 | 3.19 | cps |
| Dysprosium | 156-1 | 20 | 30 | 13 | 21 | 39.75 | cps |
| Dysprosium | 156-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Erbium | 164-1 | 73 | 87 | 70 | 77 | 11.51 | cps |
| Erbium | 164-2 | 43 | 50 | 33 | 42 | 19.87 | cps |
| Gadolinium | 160-1 | 43 | 40 | 63 | 49 | 25.81 | cps |
| Gadolinium | 160-2 | 287 | 297 | 290 | 291 | 1.75 | cps |
| Holmium | 165-1 | 9408162 | 9470651 | 9327335 | 9402049 | 0.76 | cps |
| Holmium | 165-2 | 6528353 | 6498386 | 6436336 | 6487692 | 0.72 | cps |
| Indium | 115-1 | 8167992 | 8180660 | 8211653 | 8186768 | 0.27 | cps |
| Indium | 115-2 | 2622389 | 2624087 | 2615420 | 2620632 | 0.18 | cps |
| Iron | 56-2 | 10254 | 11366 | 9863 | 10494 | 7.43 | cps |
| Iron | 57-2 | 1443 | 1597 | 1523 | 1521 | 5.04 | cps |
| Iron | 54-2 | 1377 | 1423 | 1323 | 1375 | 3.64 | cps |
| Krypton | 83-1 | 213 | 230 | 213 | 219 | 4.39 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162951BL | Instrumnet Name : | P7 |
| Client Sample ID : | PB162951BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:58:57 | DataFile Name : | 053CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 343 | 270 | 273 | 296 | 14.01 | cps |
| Lead | 207-1 | 220 | 250 | 270 | 247 | 10.20 | cps |
| Lead | 208-1 | 1327 | 1153 | 1157 | 1212 | 8.18 | cps |
| Lithium | 6-1 | 1635256 | 1628721 | 1613946 | 1625974 | 0.67 | cps |
| Magnesium | 24-2 | 553 | 610 | 537 | 567 | 6.78 | cps |
| Manganese | 55-2 | 273 | 427 | 290 | 330 | 25.49 | cps |
| Molybdenum | 94-1 | 313 | 250 | 230 | 264 | 16.45 | cps |
| Molybdenum | 95-1 | 97 | 123 | 133 | 118 | 16.09 | cps |
| Molybdenum | 96-1 | 150 | 150 | 187 | 162 | 13.05 | cps |
| Molybdenum | 97-1 | 57 | 93 | 93 | 81 | 26.10 | cps |
| Molybdenum | 98-1 | 180 | 183 | 197 | 187 | 4.72 | cps |
| Neodymium | 150-1 | 3 | 10 | 13 | 9 | 57.30 | cps |
| Neodymium | 150-2 | 0 | 13 | 0 | 4 | 173.21 | cps |
| Nickel | 60-2 | 123 | 150 | 170 | 148 | 15.84 | cps |
| Phosphorus | 31-2 | 90 | 100 | 137 | 109 | 22.57 | cps |
| Potassium | 39-2 | 47447 | 48286 | 48180 | 47971 | 0.95 | cps |
| Rhodium | 103-1 | 7799033 | 7953341 | 7788103 | 7846826 | 1.18 | cps |
| Rhodium | 103-2 | 4409199 | 4392847 | 4405742 | 4402596 | 0.20 | cps |
| Scandium | 45-1 | 5082682 | 5159072 | 5084742 | 5108832 | 0.85 | cps |
| Scandium | 45-2 | 366556 | 364664 | 366792 | 366004 | 0.32 | cps |
| Selenium | 82-1 | 263 | 318 | 311 | 298 | 10.07 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 180 | 213 | 200 | 198 | 8.48 | cps |
| Silicon | 28-1 | 302779 | 302704 | 301355 | 302279 | 0.27 | cps |
| Silver | 107-1 | 193 | 117 | 97 | 136 | 37.64 | cps |
| Silver | 109-1 | 120 | 63 | 63 | 82 | 39.79 | cps |
| Sodium | 23-2 | 21856 | 21946 | 21402 | 21734 | 1.34 | cps |
| Strontium | 86-1 | 413 | 413 | 423 | 417 | 1.39 | cps |
| Strontium | 88-1 | 630 | 473 | 487 | 530 | 16.39 | cps |
| Sulfur | 34-1 | 198934 | 202486 | 199832 | 200417 | 0.92 | cps |
| Terbium | 159-1 | 9934798 | 10039160 | 9973892 | 9982617 | 0.53 | cps |
| Terbium | 159-2 | 6381007 | 6496448 | 6548403 | 6475286 | 1.32 | cps |
| Thallium | 203-1 | 60 | 43 | 50 | 51 | 16.42 | cps |
| Thallium | 205-1 | 93 | 83 | 103 | 93 | 10.71 | cps |
| Tin | 118-1 | 793 | 1043 | 967 | 934 | 13.71 | cps |
| Titanium | 47-1 | 143 | 137 | 113 | 131 | 12.02 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162951BL | Instrumnet Name : | P7 |
| Client Sample ID : | PB162951BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 18:58:57 | DataFile Name : | 053CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 27 | 20 | 17 | 21 | 24.12 | cps |
| Vanadium | 51-2 | 3 | 13 | 0 | 6 | 124.93 | cps |
| Yttrium | 89-1 | 10980244 | 10839966 | 10713527 | 10844579 | 1.23 | cps |
| Yttrium | 89-2 | 2523093 | 2502879 | 2529484 | 2518485 | 0.55 | cps |
| Zinc | 66-2 | 707 | 700 | 700 | 702 | 0.55 | cps |
| Zirconium | 90-1 | 540 | 470 | 523 | 511 | 7.15 | cps |
| Zirconium | 91-1 | 110 | 113 | 130 | 118 | 9.10 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162951BS | Instrumnet Name : | P7 |
| Client Sample ID : | PB162951BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:02:13 | DataFile Name : | 054LCSS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1154520 | 1213038 | 1183146 | 1183568 | 2.47 | cps |
| Antimony | 121-1 | 3467179 | 3506999 | 3557658 | 3510612 | 1.29 | cps |
| Arsenic | 75-2 | 170642 | 167480 | 170021 | 169381 | 0.99 | cps |
| Barium | 135-1 | 4224650 | 4245544 | 4195465 | 4221886 | 0.60 | cps |
| Barium | 137-1 | 7129885 | 7186634 | 7264867 | 7193795 | 0.94 | cps |
| Beryllium | 9-1 | 662807 | 673991 | 677196 | 671331 | 1.13 | cps |
| Bismuth | 209-1 | 5709814 | 5701427 | 5682196 | 5697812 | 0.25 | cps |
| Bismuth | 209-2 | 4649526 | 4614478 | 4717727 | 4660577 | 1.13 | cps |
| Bromine | 81-1 | 8202 | 8402 | 7812 | 8139 | 3.69 | cps |
| Bromine | 81-2 | 170 | 127 | 177 | 158 | 17.21 | cps |
| Cadmium | 108-1 | 62042 | 61416 | 62547 | 62002 | 0.91 | cps |
| Cadmium | 106-1 | 89621 | 91919 | 90631 | 90723 | 1.27 | cps |
| Cadmium | 111-1 | 840068 | 855908 | 840514 | 845497 | 1.07 | cps |
| Calcium | 43-1 | 1149782 | 1162436 | 1170107 | 1160775 | 0.88 | cps |
| Calcium | 44-1 | 16597063 | 17135195 | 17347028 | 17026428 | 2.27 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1248605 | 1250329 | 1224245 | 1241060 | 1.18 | cps |
| Cobalt | 59-2 | 1898210 | 1872299 | 1883688 | 1884732 | 0.69 | cps |
| Copper | 63-2 | 13093352 | 13159702 | 13083281 | 13112112 | 0.32 | cps |
| Dysprosium | 156-1 | 133 | 103 | 137 | 124 | 14.76 | cps |
| Dysprosium | 156-2 | 243 | 187 | 200 | 210 | 14.11 | cps |
| Erbium | 164-1 | 163 | 140 | 143 | 149 | 8.48 | cps |
| Erbium | 164-2 | 100 | 137 | 103 | 113 | 17.89 | cps |
| Gadolinium | 160-1 | 103 | 120 | 87 | 103 | 16.13 | cps |
| Gadolinium | 160-2 | 330 | 297 | 303 | 310 | 5.69 | cps |
| Holmium | 165-1 | 10008914 | 9848403 | 9827510 | 9894942 | 1.00 | cps |
| Holmium | 165-2 | 6620866 | 6732537 | 6752362 | 6701922 | 1.06 | cps |
| Indium | 115-1 | 8492328 | 8235149 | 8145156 | 8290878 | 2.17 | cps |
| Indium | 115-2 | 2590489 | 2596610 | 2561385 | 2582828 | 0.73 | cps |
| Iron | 56-2 | 53294373 | 53497491 | 50827856 | 52539906 | 2.83 | cps |
| Iron | 57-2 | 1374673 | 1386366 | 1360175 | 1373738 | 0.96 | cps |
| Iron | 54-2 | 2888188 | 2936885 | 2911586 | 2912219 | 0.84 | cps |
| Krypton | 83-1 | 167 | 167 | 207 | 180 | 12.83 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162951BS | Instrumnet Name : | P7 |
| Client Sample ID : | PB162951BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:02:13 | DataFile Name : | 054LCSS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 11082972 | 11130244 | 11125356 | 11112857 | 0.23 | cps |
| Lead | 207-1 | 9771530 | 9668227 | 9741182 | 9726979 | 0.55 | cps |
| Lead | 208-1 | 44271279 | 44105791 | 44572481 | 44316517 | 0.53 | cps |
| Lithium | 6-1 | 1686812 | 1753207 | 1695705 | 1711908 | 2.11 | cps |
| Magnesium | 24-2 | 10641758 | 10810146 | 10924648 | 10792184 | 1.32 | cps |
| Manganese | 55-2 | 8632931 | 8797932 | 8713582 | 8714815 | 0.95 | cps |
| Molybdenum | 94-1 | 12609115 | 12653026 | 12840899 | 12701013 | 0.97 | cps |
| Molybdenum | 95-1 | 18377189 | 18711627 | 18312383 | 18467066 | 1.16 | cps |
| Molybdenum | 96-1 | 20173909 | 20526915 | 20406500 | 20369108 | 0.88 | cps |
| Molybdenum | 97-1 | 11477387 | 11736056 | 11629231 | 11614225 | 1.12 | cps |
| Molybdenum | 98-1 | 29246308 | 30520976 | 29770060 | 29845781 | 2.15 | cps |
| Neodymium | 150-1 | 233 | 230 | 187 | 217 | 12.02 | cps |
| Neodymium | 150-2 | 97 | 77 | 77 | 83 | 13.86 | cps |
| Nickel | 60-2 | 483680 | 480071 | 484935 | 482895 | 0.52 | cps |
| Phosphorus | 31-2 | 71268 | 72454 | 71114 | 71612 | 1.02 | cps |
| Potassium | 39-2 | 6552793 | 6513328 | 6449056 | 6505059 | 0.80 | cps |
| Rhodium | 103-1 | 7606652 | 7847019 | 7655480 | 7703050 | 1.65 | cps |
| Rhodium | 103-2 | 4297858 | 4332106 | 4292893 | 4307619 | 0.50 | cps |
| Scandium | 45-1 | 5259804 | 5210489 | 5259216 | 5243170 | 0.54 | cps |
| Scandium | 45-2 | 369607 | 368932 | 359933 | 366157 | 1.47 | cps |
| Selenium | 82-1 | 55292 | 56347 | 56220 | 55953 | 1.03 | cps |
| Selenium | 77-2 | 4737 | 4637 | 4544 | 4640 | 2.08 | cps |
| Selenium | 78-2 | 15555 | 15879 | 15542 | 15658 | 1.22 | cps |
| Silicon | 28-1 | 33297445 | 33610116 | 33374692 | 33427418 | 0.49 | cps |
| Silver | 107-1 | 4173152 | 4145901 | 4191743 | 4170265 | 0.55 | cps |
| Silver | 109-1 | 3982551 | 4039044 | 4108769 | 4043455 | 1.56 | cps |
| Sodium | 23-2 | 17111802 | 17205709 | 17363303 | 17226938 | 0.74 | cps |
| Strontium | 86-1 | 27330417 | 27565570 | 27576069 | 27490685 | 0.51 | cps |
| Strontium | 88-1 | 236864776 | 241309576 | 237369370 | 238514574 | 1.02 | cps |
| Sulfur | 34-1 | 514166 | 515849 | 511079 | 513698 | 0.47 | cps |
| Terbium | 159-1 | 9944581 | 10146452 | 10131900 | 10074311 | 1.12 | cps |
| Terbium | 159-2 | 6735911 | 6687785 | 6781858 | 6735185 | 0.70 | cps |
| Thallium | 203-1 | 2831741 | 2854937 | 2785867 | 2824182 | 1.24 | cps |
| Thallium | 205-1 | 6697993 | 6682822 | 6807651 | 6729489 | 1.01 | cps |
| Tin | 118-1 | 2800244 | 2791041 | 2782386 | 2791224 | 0.32 | cps |
| Titanium | 47-1 | 5253948 | 5270737 | 5179849 | 5234845 | 0.92 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162951BS | Instrumnet Name : | P7 |
| Client Sample ID : | PB162951BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:02:13 | DataFile Name : | 054LCSS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8351518 | 8529764 | 8558424 | 8479902 | 1.32 | cps |
| Vanadium | 51-2 | 1106003 | 1111463 | 1073872 | 1097113 | 1.85 | cps |
| Yttrium | 89-1 | 11431207 | 11052593 | 11367091 | 11283630 | 1.80 | cps |
| Yttrium | 89-2 | 2555175 | 2547204 | 2487017 | 2529799 | 1.47 | cps |
| Zinc | 66-2 | 2236400 | 2202879 | 2179041 | 2206107 | 1.31 | cps |
| Zirconium | 90-1 | 5976130 | 6065693 | 6103251 | 6048358 | 1.08 | cps |
| Zirconium | 91-1 | 1338080 | 1360556 | 1357488 | 1352041 | 0.90 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:05:09 | DataFile Name : | 055SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6840730 | 6991318 | 6781682 | 6871243 | 1.57 | cps |
| Antimony | 121-1 | 16276 | 16002 | 16079 | 16119 | 0.88 | cps |
| Arsenic | 75-2 | 17587 | 17694 | 17604 | 17628 | 0.33 | cps |
| Barium | 135-1 | 1783286 | 1874133 | 1799992 | 1819137 | 2.66 | cps |
| Barium | 137-1 | 3135732 | 3173117 | 3103249 | 3137366 | 1.11 | cps |
| Beryllium | 9-1 | 11298 | 11384 | 11498 | 11393 | 0.88 | cps |
| Bismuth | 209-1 | 6114878 | 6101891 | 6231300 | 6149356 | 1.16 | cps |
| Bismuth | 209-2 | 5091531 | 4953610 | 5055151 | 5033431 | 1.42 | cps |
| Bromine | 81-1 | 22834 | 25145 | 25746 | 24575 | 6.25 | cps |
| Bromine | 81-2 | 3564 | 3467 | 3374 | 3468 | 2.74 | cps |
| Cadmium | 108-1 | 1167 | 1233 | 1260 | 1220 | 3.94 | cps |
| Cadmium | 106-1 | 4881 | 4838 | 4824 | 4848 | 0.61 | cps |
| Cadmium | 111-1 | 18332 | 17788 | 18143 | 18088 | 1.53 | cps |
| Calcium | 43-1 | 200623 | 203970 | 201725 | 202106 | 0.84 | cps |
| Calcium | 44-1 | 2980446 | 3036923 | 3012460 | 3009943 | 0.94 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 361517 | 356980 | 361002 | 359833 | 0.69 | cps |
| Cobalt | 59-2 | 156042 | 157313 | 158117 | 157157 | 0.67 | cps |
| Copper | 63-2 | 633889 | 636792 | 630746 | 633809 | 0.48 | cps |
| Dysprosium | 156-1 | 106201 | 106940 | 105902 | 106348 | 0.50 | cps |
| Dysprosium | 156-2 | 84918 | 84838 | 84506 | 84754 | 0.26 | cps |
| Erbium | 164-1 | 98857 | 96763 | 99558 | 98393 | 1.48 | cps |
| Erbium | 164-2 | 65841 | 65583 | 66705 | 66043 | 0.89 | cps |
| Gadolinium | 160-1 | 105463 | 105856 | 105819 | 105713 | 0.21 | cps |
| Gadolinium | 160-2 | 74926 | 74215 | 73039 | 74060 | 1.29 | cps |
| Holmium | 165-1 | 10601582 | 10538693 | 10806490 | 10648922 | 1.32 | cps |
| Holmium | 165-2 | 7132517 | 7097041 | 7250192 | 7159916 | 1.12 | cps |
| Indium | 115-1 | 9306085 | 9034667 | 8852054 | 9064269 | 2.52 | cps |
| Indium | 115-2 | 2865589 | 2815423 | 2803015 | 2828009 | 1.17 | cps |
| Iron | 56-2 | 99812855 | 100476959 | 101400922 | 100563579 | 0.79 | cps |
| Iron | 57-2 | 2450726 | 2486853 | 2516064 | 2484548 | 1.32 | cps |
| Iron | 54-2 | 5568977 | 5496427 | 5493445 | 5519616 | 0.77 | cps |
| Krypton | 83-1 | 317 | 280 | 373 | 323 | 14.54 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:05:09 | DataFile Name : | 055SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 3325383 | 3293610 | 3339942 | 3319645 | 0.71 | cps |
| Lead | 207-1 | 2887445 | 2861861 | 2900059 | 2883122 | 0.68 | cps |
| Lead | 208-1 | 13133541 | 13187022 | 13218076 | 13179546 | 0.32 | cps |
| Lithium | 6-1 | 1883660 | 1798827 | 1733322 | 1805270 | 4.18 | cps |
| Magnesium | 24-2 | 1587550 | 1584974 | 1562198 | 1578241 | 0.88 | cps |
| Manganese | 55-2 | 1216435 | 1208336 | 1198355 | 1207709 | 0.75 | cps |
| Molybdenum | 94-1 | 52045 | 52206 | 51838 | 52030 | 0.35 | cps |
| Molybdenum | 95-1 | 14751 | 14537 | 14841 | 14710 | 1.06 | cps |
| Molybdenum | 96-1 | 24764 | 24450 | 24577 | 24597 | 0.64 | cps |
| Molybdenum | 97-1 | 9296 | 9146 | 9260 | 9234 | 0.85 | cps |
| Molybdenum | 98-1 | 23319 | 23215 | 23479 | 23338 | 0.57 | cps |
| Neodymium | 150-1 | 172294 | 175177 | 171598 | 173023 | 1.10 | cps |
| Neodymium | 150-2 | 96514 | 97017 | 97125 | 96886 | 0.34 | cps |
| Nickel | 60-2 | 109372 | 108737 | 107714 | 108608 | 0.77 | cps |
| Phosphorus | 31-2 | 28006 | 27044 | 27491 | 27514 | 1.75 | cps |
| Potassium | 39-2 | 696438 | 695103 | 699638 | 697060 | 0.33 | cps |
| Rhodium | 103-1 | 8699092 | 8612770 | 8481323 | 8597728 | 1.28 | cps |
| Rhodium | 103-2 | 4802066 | 4720693 | 4728448 | 4750402 | 0.95 | cps |
| Scandium | 45-1 | 5868166 | 5829740 | 5798390 | 5832099 | 0.60 | cps |
| Scandium | 45-2 | 409523 | 407654 | 404225 | 407134 | 0.66 | cps |
| Selenium | 82-1 | 1028 | 1095 | 1042 | 1055 | 3.38 | cps |
| Selenium | 77-2 | 287 | 280 | 270 | 279 | 3.01 | cps |
| Selenium | 78-2 | 583 | 550 | 573 | 569 | 3.01 | cps |
| Silicon | 28-1 | 30846319 | 30924320 | 30306289 | 30692309 | 1.10 | cps |
| Silver | 107-1 | 8907124 | 8865723 | 8790420 | 8854422 | 0.67 | cps |
| Silver | 109-1 | 8446450 | 8486053 | 8503517 | 8478673 | 0.34 | cps |
| Sodium | 23-2 | 1598374 | 1592648 | 1580914 | 1590646 | 0.56 | cps |
| Strontium | 86-1 | 193785 | 194555 | 192825 | 193722 | 0.45 | cps |
| Strontium | 88-1 | 1716141 | 1738957 | 1718051 | 1724383 | 0.73 | cps |
| Sulfur | 34-1 | 920310 | 931235 | 933410 | 928318 | 0.76 | cps |
| Terbium | 159-1 | 11253901 | 10984207 | 10959872 | 11065993 | 1.47 | cps |
| Terbium | 159-2 | 7304572 | 7128876 | 7004121 | 7145856 | 2.11 | cps |
| Thallium | 203-1 | 5638 | 5458 | 5611 | 5569 | 1.75 | cps |
| Thallium | 205-1 | 12873 | 12893 | 13020 | 12928 | 0.62 | cps |
| Tin | 118-1 | 21272 | 21519 | 21383 | 21392 | 0.58 | cps |
| Titanium | 47-1 | 920577 | 914904 | 919133 | 918205 | 0.32 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-01 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:05:09 | DataFile Name : | 055SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 90586 | 91055 | 91682 | 91108 | 0.60 | cps |
| Vanadium | 51-2 | 393369 | 396158 | 393062 | 394196 | 0.43 | cps |
| Yttrium | 89-1 | 13707390 | 13824813 | 13661744 | 13731316 | 0.61 | cps |
| Yttrium | 89-2 | 3115720 | 3057587 | 3059853 | 3077720 | 1.07 | cps |
| Zinc | 66-2 | 530727 | 527322 | 531324 | 529791 | 0.41 | cps |
| Zirconium | 90-1 | 118486 | 118057 | 119219 | 118588 | 0.50 | cps |
| Zirconium | 91-1 | 26481 | 26704 | 26571 | 26585 | 0.42 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-01DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:08:10 | DataFile Name : | 056SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1281978 | 1290940 | 1269999 | 1280972 | 0.82 | cps |
| Antimony | 121-1 | 3177 | 3207 | 3457 | 3280 | 4.69 | cps |
| Arsenic | 75-2 | 3204 | 3117 | 3024 | 3115 | 2.89 | cps |
| Barium | 135-1 | 307522 | 309394 | 307221 | 308046 | 0.38 | cps |
| Barium | 137-1 | 532612 | 531570 | 538462 | 534215 | 0.70 | cps |
| Beryllium | 9-1 | 2184 | 2237 | 2207 | 2209 | 1.21 | cps |
| Bismuth | 209-1 | 5785549 | 5794206 | 5686296 | 5755350 | 1.04 | cps |
| Bismuth | 209-2 | 4715666 | 4880081 | 4801474 | 4799074 | 1.71 | cps |
| Bromine | 81-1 | 11818 | 12065 | 12289 | 12057 | 1.95 | cps |
| Bromine | 81-2 | 770 | 690 | 807 | 756 | 7.90 | cps |
| Cadmium | 108-1 | 220 | 240 | 283 | 248 | 13.07 | cps |
| Cadmium | 106-1 | 2740 | 2840 | 2684 | 2755 | 2.88 | cps |
| Cadmium | 111-1 | 4351 | 4671 | 4547 | 4523 | 3.56 | cps |
| Calcium | 43-1 | 37019 | 35916 | 36751 | 36562 | 1.57 | cps |
| Calcium | 44-1 | 597151 | 598207 | 592355 | 595904 | 0.52 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 66456 | 67828 | 65485 | 66589 | 1.77 | cps |
| Cobalt | 59-2 | 29486 | 28948 | 28921 | 29118 | 1.09 | cps |
| Copper | 63-2 | 118686 | 118260 | 117742 | 118229 | 0.40 | cps |
| Dysprosium | 156-1 | 19457 | 19510 | 19447 | 19471 | 0.18 | cps |
| Dysprosium | 156-2 | 15619 | 15275 | 15479 | 15457 | 1.12 | cps |
| Erbium | 164-1 | 17795 | 17785 | 17748 | 17776 | 0.14 | cps |
| Erbium | 164-2 | 11712 | 11705 | 12115 | 11844 | 1.98 | cps |
| Gadolinium | 160-1 | 18779 | 19003 | 18793 | 18858 | 0.67 | cps |
| Gadolinium | 160-2 | 14000 | 14127 | 13957 | 14028 | 0.63 | cps |
| Holmium | 165-1 | 9731852 | 9536037 | 9574049 | 9613979 | 1.08 | cps |
| Holmium | 165-2 | 6640882 | 6725655 | 6653883 | 6673473 | 0.68 | cps |
| Indium | 115-1 | 8407503 | 8417494 | 8320241 | 8381746 | 0.64 | cps |
| Indium | 115-2 | 2610231 | 2662249 | 2619779 | 2630753 | 1.05 | cps |
| Iron | 56-2 | 18783015 | 18808163 | 18678084 | 18756421 | 0.37 | cps |
| Iron | 57-2 | 489209 | 488080 | 483661 | 486983 | 0.60 | cps |
| Iron | 54-2 | 1069404 | 1067618 | 1053877 | 1063633 | 0.80 | cps |
| Krypton | 83-1 | 247 | 233 | 197 | 226 | 11.48 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-01DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:08:10 | DataFile Name : | 056SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 546906 | 545429 | 540816 | 544384 | 0.58 | cps |
| Lead | 207-1 | 463861 | 465132 | 471689 | 466894 | 0.90 | cps |
| Lead | 208-1 | 2139355 | 2142746 | 2145968 | 2142690 | 0.15 | cps |
| Lithium | 6-1 | 1623996 | 1592325 | 1630285 | 1615535 | 1.26 | cps |
| Magnesium | 24-2 | 306490 | 307056 | 305719 | 306422 | 0.22 | cps |
| Manganese | 55-2 | 225498 | 224201 | 223259 | 224319 | 0.50 | cps |
| Molybdenum | 94-1 | 9647 | 10174 | 9717 | 9846 | 2.91 | cps |
| Molybdenum | 95-1 | 3070 | 2860 | 2837 | 2923 | 4.40 | cps |
| Molybdenum | 96-1 | 4544 | 4894 | 4854 | 4764 | 4.02 | cps |
| Molybdenum | 97-1 | 1777 | 1740 | 1697 | 1738 | 2.30 | cps |
| Molybdenum | 98-1 | 4427 | 4547 | 4297 | 4424 | 2.83 | cps |
| Neodymium | 150-1 | 31151 | 32006 | 31582 | 31580 | 1.35 | cps |
| Neodymium | 150-2 | 17377 | 17821 | 17948 | 17716 | 1.69 | cps |
| Nickel | 60-2 | 20194 | 20274 | 20114 | 20194 | 0.40 | cps |
| Phosphorus | 31-2 | 5154 | 4898 | 5098 | 5050 | 2.67 | cps |
| Potassium | 39-2 | 166496 | 165721 | 164693 | 165637 | 0.55 | cps |
| Rhodium | 103-1 | 8092386 | 7843422 | 7861125 | 7932311 | 1.75 | cps |
| Rhodium | 103-2 | 4436639 | 4522189 | 4399461 | 4452763 | 1.41 | cps |
| Scandium | 45-1 | 5277406 | 5151448 | 5193995 | 5207616 | 1.23 | cps |
| Scandium | 45-2 | 373121 | 372446 | 374913 | 373493 | 0.34 | cps |
| Selenium | 82-1 | 462 | 448 | 486 | 465 | 4.12 | cps |
| Selenium | 77-2 | 50 | 60 | 57 | 56 | 9.17 | cps |
| Selenium | 78-2 | 257 | 310 | 277 | 281 | 9.59 | cps |
| Silicon | 28-1 | 5774956 | 6277012 | 5769356 | 5940441 | 4.91 | cps |
| Silver | 107-1 | 1616197 | 1628436 | 1612176 | 1618936 | 0.52 | cps |
| Silver | 109-1 | 1479755 | 1483798 | 1494994 | 1486183 | 0.53 | cps |
| Sodium | 23-2 | 325561 | 321101 | 320147 | 322270 | 0.90 | cps |
| Strontium | 86-1 | 35429 | 36011 | 35229 | 35556 | 1.14 | cps |
| Strontium | 88-1 | 305640 | 305911 | 308038 | 306530 | 0.43 | cps |
| Sulfur | 34-1 | 300677 | 301697 | 301321 | 301232 | 0.17 | cps |
| Terbium | 159-1 | 9939004 | 9958326 | 9956917 | 9951416 | 0.11 | cps |
| Terbium | 159-2 | 6726165 | 6607513 | 6624037 | 6652572 | 0.97 | cps |
| Thallium | 203-1 | 1023 | 977 | 993 | 998 | 2.37 | cps |
| Thallium | 205-1 | 2387 | 2380 | 2374 | 2380 | 0.28 | cps |
| Tin | 118-1 | 4477 | 4587 | 4537 | 4534 | 1.22 | cps |
| Titanium | 47-1 | 164972 | 166371 | 163096 | 164813 | 1.00 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-01DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:08:10 | DataFile Name : | 056SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 16170 | 15900 | 16717 | 16262 | 2.56 | cps |
| Vanadium | 51-2 | 72352 | 71475 | 72707 | 72178 | 0.88 | cps |
| Yttrium | 89-1 | 11493252 | 11300905 | 11361907 | 11385355 | 0.86 | cps |
| Yttrium | 89-2 | 2601017 | 2653672 | 2569521 | 2608070 | 1.63 | cps |
| Zinc | 66-2 | 96456 | 96549 | 96781 | 96595 | 0.17 | cps |
| Zirconium | 90-1 | 21876 | 22314 | 22237 | 22142 | 1.05 | cps |
| Zirconium | 91-1 | 4884 | 5188 | 5111 | 5061 | 3.12 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:11:26 | DataFile Name : | 057SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 7232465 | 7340864 | 7160685 | 7244671 | 1.25 | cps |
| Antimony | 121-1 | 1550 | 1370 | 1537 | 1486 | 6.75 | cps |
| Arsenic | 75-2 | 1233 | 1193 | 1213 | 1213 | 1.65 | cps |
| Barium | 135-1 | 399782 | 405985 | 406391 | 404053 | 0.92 | cps |
| Barium | 137-1 | 713385 | 692837 | 702226 | 702816 | 1.46 | cps |
| Beryllium | 9-1 | 2644 | 2690 | 2614 | 2649 | 1.46 | cps |
| Bismuth | 209-1 | 6038248 | 5916914 | 5656223 | 5870462 | 3.33 | cps |
| Bismuth | 209-2 | 5009948 | 4866990 | 4936003 | 4937647 | 1.45 | cps |
| Bromine | 81-1 | 17334 | 19349 | 19343 | 18675 | 6.22 | cps |
| Bromine | 81-2 | 2327 | 2294 | 2367 | 2329 | 1.58 | cps |
| Cadmium | 108-1 | 123 | 103 | 127 | 118 | 10.72 | cps |
| Cadmium | 106-1 | 3290 | 2977 | 2910 | 3059 | 6.63 | cps |
| Cadmium | 111-1 | 2817 | 2535 | 2472 | 2608 | 7.05 | cps |
| Calcium | 43-1 | 74495 | 73353 | 72452 | 73433 | 1.39 | cps |
| Calcium | 44-1 | 1174198 | 1186255 | 1152962 | 1171138 | 1.44 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 243531 | 240287 | 243286 | 242368 | 0.75 | cps |
| Cobalt | 59-2 | 65472 | 64695 | 64274 | 64814 | 0.94 | cps |
| Copper | 63-2 | 164558 | 162132 | 162646 | 163112 | 0.78 | cps |
| Dysprosium | 156-1 | 62843 | 62297 | 64742 | 63294 | 2.03 | cps |
| Dysprosium | 156-2 | 50651 | 51785 | 50654 | 51030 | 1.28 | cps |
| Erbium | 164-1 | 51123 | 52087 | 50993 | 51401 | 1.16 | cps |
| Erbium | 164-2 | 34693 | 34028 | 34015 | 34245 | 1.13 | cps |
| Gadolinium | 160-1 | 60878 | 59482 | 58732 | 59698 | 1.82 | cps |
| Gadolinium | 160-2 | 41628 | 42183 | 41327 | 41713 | 1.04 | cps |
| Holmium | 165-1 | 10384073 | 10179852 | 10249031 | 10270985 | 1.01 | cps |
| Holmium | 165-2 | 7083754 | 7070467 | 6870439 | 7008220 | 1.71 | cps |
| Indium | 115-1 | 8740204 | 8964465 | 8803222 | 8835964 | 1.31 | cps |
| Indium | 115-2 | 2814975 | 2773875 | 2706129 | 2764993 | 1.99 | cps |
| Iron | 56-2 | 78163954 | 78145914 | 77489479 | 77933116 | 0.49 | cps |
| Iron | 57-2 | 1973915 | 1950159 | 1935779 | 1953285 | 0.99 | cps |
| Iron | 54-2 | 4273605 | 4310664 | 4277028 | 4287099 | 0.48 | cps |
| Krypton | 83-1 | 283 | 317 | 233 | 278 | 15.10 | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:11:26 | DataFile Name : | 057SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 375609 | 378862 | 376890 | 377120 | 0.43 | cps |
| Lead | 207-1 | 318325 | 314132 | 315395 | 315951 | 0.68 | cps |
| Lead | 208-1 | 1477949 | 1485958 | 1453453 | 1472453 | 1.15 | cps |
| Lithium | 6-1 | 1719318 | 1770446 | 1609061 | 1699608 | 4.85 | cps |
| Magnesium | 24-2 | 2307244 | 2309417 | 2248750 | 2288470 | 1.50 | cps |
| Manganese | 55-2 | 794801 | 798125 | 796086 | 796337 | 0.21 | cps |
| Molybdenum | 94-1 | 48985 | 50340 | 48380 | 49235 | 2.04 | cps |
| Molybdenum | 95-1 | 3307 | 3284 | 3290 | 3294 | 0.37 | cps |
| Molybdenum | 96-1 | 12719 | 12616 | 12732 | 12689 | 0.50 | cps |
| Molybdenum | 97-1 | 2080 | 2250 | 1960 | 2097 | 6.95 | cps |
| Molybdenum | 98-1 | 5224 | 5334 | 5164 | 5241 | 1.65 | cps |
| Neodymium | 150-1 | 117317 | 117596 | 116466 | 117126 | 0.50 | cps |
| Neodymium | 150-2 | 64215 | 64982 | 64329 | 64509 | 0.64 | cps |
| Nickel | 60-2 | 58611 | 59752 | 59983 | 59448 | 1.24 | cps |
| Phosphorus | 31-2 | 8466 | 8969 | 8709 | 8715 | 2.89 | cps |
| Potassium | 39-2 | 715875 | 713925 | 710189 | 713330 | 0.41 | cps |
| Rhodium | 103-1 | 8351245 | 8215446 | 8068191 | 8211627 | 1.72 | cps |
| Rhodium | 103-2 | 4681216 | 4648864 | 4524645 | 4618242 | 1.79 | cps |
| Scandium | 45-1 | 5708603 | 5727059 | 5481450 | 5639037 | 2.43 | cps |
| Scandium | 45-2 | 399338 | 400197 | 393782 | 397772 | 0.88 | cps |
| Selenium | 82-1 | 645 | 559 | 641 | 615 | 7.92 | cps |
| Selenium | 77-2 | 197 | 190 | 187 | 191 | 2.66 | cps |
| Selenium | 78-2 | 380 | 360 | 473 | 404 | 14.96 | cps |
| Silicon | 28-1 | 36634999 | 36166610 | 35428095 | 36076568 | 1.69 | cps |
| Silver | 107-1 | 97892 | 98552 | 98046 | 98164 | 0.35 | cps |
| Silver | 109-1 | 94517 | 91796 | 92001 | 92771 | 1.63 | cps |
| Sodium | 23-2 | 788316 | 781810 | 773869 | 781331 | 0.93 | cps |
| Strontium | 86-1 | 67233 | 65321 | 66563 | 66372 | 1.46 | cps |
| Strontium | 88-1 | 579318 | 579232 | 568942 | 575831 | 1.04 | cps |
| Sulfur | 34-1 | 210172 | 205682 | 205155 | 207003 | 1.33 | cps |
| Terbium | 159-1 | 10819889 | 10623895 | 10406138 | 10616641 | 1.95 | cps |
| Terbium | 159-2 | 7013284 | 6821158 | 6766311 | 6866918 | 1.89 | cps |
| Thallium | 203-1 | 2770 | 2794 | 2684 | 2749 | 2.11 | cps |
| Thallium | 205-1 | 6432 | 6558 | 6345 | 6445 | 1.67 | cps |
| Tin | 118-1 | 121813 | 121723 | 122899 | 122145 | 0.54 | cps |
| Titanium | 47-1 | 779655 | 778801 | 801022 | 786493 | 1.60 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-02 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:11:26 | DataFile Name : | 057SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 43925 | 43334 | 41849 | 43036 | 2.49 | cps |
| Vanadium | 51-2 | 124206 | 124004 | 122831 | 123680 | 0.60 | cps |
| Yttrium | 89-1 | 12876118 | 12661861 | 11940123 | 12492701 | 3.93 | cps |
| Yttrium | 89-2 | 2863137 | 2893018 | 2858083 | 2871412 | 0.66 | cps |
| Zinc | 66-2 | 100518 | 102277 | 101838 | 101544 | 0.90 | cps |
| Zirconium | 90-1 | 128187 | 128796 | 128661 | 128548 | 0.25 | cps |
| Zirconium | 91-1 | 27897 | 28501 | 28858 | 28419 | 1.71 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-02DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:14:37 | DataFile Name : | 058SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1404062 | 1352881 | 1331299 | 1362747 | 2.74 | cps |
| Antimony | 121-1 | 400 | 403 | 510 | 438 | 14.29 | cps |
| Arsenic | 75-2 | 227 | 227 | 190 | 214 | 9.87 | cps |
| Barium | 135-1 | 74872 | 75770 | 74447 | 75030 | 0.90 | cps |
| Barium | 137-1 | 129867 | 129356 | 128464 | 129229 | 0.55 | cps |
| Beryllium | 9-1 | 563 | 527 | 447 | 512 | 11.65 | cps |
| Bismuth | 209-1 | 5664652 | 5713976 | 5781615 | 5720081 | 1.03 | cps |
| Bismuth | 209-2 | 4861558 | 4677122 | 4700348 | 4746343 | 2.12 | cps |
| Bromine | 81-1 | 11048 | 11098 | 11304 | 11150 | 1.22 | cps |
| Bromine | 81-2 | 560 | 577 | 593 | 577 | 2.89 | cps |
| Cadmium | 108-1 | 37 | 50 | 30 | 39 | 26.18 | cps |
| Cadmium | 106-1 | 2707 | 2397 | 2130 | 2411 | 11.97 | cps |
| Cadmium | 111-1 | 1969 | 1783 | 1597 | 1783 | 10.44 | cps |
| Calcium | 43-1 | 13700 | 13620 | 13439 | 13586 | 0.98 | cps |
| Calcium | 44-1 | 230651 | 231481 | 229911 | 230681 | 0.34 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 46281 | 46087 | 45442 | 45937 | 0.96 | cps |
| Cobalt | 59-2 | 12619 | 11895 | 12475 | 12330 | 3.11 | cps |
| Copper | 63-2 | 31884 | 31490 | 31627 | 31667 | 0.63 | cps |
| Dysprosium | 156-1 | 11261 | 11748 | 11712 | 11574 | 2.34 | cps |
| Dysprosium | 156-2 | 9840 | 9427 | 9750 | 9672 | 2.25 | cps |
| Erbium | 164-1 | 9617 | 9537 | 9670 | 9608 | 0.70 | cps |
| Erbium | 164-2 | 6808 | 6675 | 6195 | 6559 | 4.92 | cps |
| Gadolinium | 160-1 | 11054 | 11161 | 10941 | 11052 | 1.00 | cps |
| Gadolinium | 160-2 | 8266 | 8373 | 8149 | 8263 | 1.35 | cps |
| Holmium | 165-1 | 9568901 | 9614595 | 9662005 | 9615167 | 0.48 | cps |
| Holmium | 165-2 | 6556566 | 6617682 | 6552716 | 6575655 | 0.55 | cps |
| Indium | 115-1 | 8340438 | 8435508 | 8209611 | 8328519 | 1.36 | cps |
| Indium | 115-2 | 2691004 | 2674689 | 2707212 | 2690968 | 0.60 | cps |
| Iron | 56-2 | 14757702 | 14784138 | 14782957 | 14774932 | 0.10 | cps |
| Iron | 57-2 | 385063 | 387065 | 386401 | 386176 | 0.26 | cps |
| Iron | 54-2 | 854080 | 852097 | 847284 | 851154 | 0.41 | cps |
| Krypton | 83-1 | 230 | 180 | 217 | 209 | 12.40 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-02DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:14:37 | DataFile Name : | 058SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 69915 | 69815 | 69185 | 69638 | 0.57 | cps |
| Lead | 207-1 | 58442 | 57009 | 57715 | 57722 | 1.24 | cps |
| Lead | 208-1 | 272772 | 272506 | 272663 | 272647 | 0.05 | cps |
| Lithium | 6-1 | 1591093 | 1644985 | 1642060 | 1626046 | 1.86 | cps |
| Magnesium | 24-2 | 456059 | 446922 | 450521 | 451168 | 1.02 | cps |
| Manganese | 55-2 | 151938 | 151535 | 150757 | 151410 | 0.40 | cps |
| Molybdenum | 94-1 | 9066 | 9420 | 8996 | 9161 | 2.48 | cps |
| Molybdenum | 95-1 | 740 | 773 | 747 | 753 | 2.34 | cps |
| Molybdenum | 96-1 | 2524 | 2444 | 2547 | 2505 | 2.16 | cps |
| Molybdenum | 97-1 | 467 | 457 | 473 | 466 | 1.80 | cps |
| Molybdenum | 98-1 | 973 | 1097 | 1243 | 1104 | 12.24 | cps |
| Neodymium | 150-1 | 21850 | 21997 | 21233 | 21693 | 1.87 | cps |
| Neodymium | 150-2 | 12192 | 11965 | 12105 | 12087 | 0.95 | cps |
| Nickel | 60-2 | 11511 | 11641 | 11248 | 11467 | 1.75 | cps |
| Phosphorus | 31-2 | 1750 | 1653 | 1730 | 1711 | 2.98 | cps |
| Potassium | 39-2 | 173244 | 171319 | 171023 | 171862 | 0.70 | cps |
| Rhodium | 103-1 | 7874336 | 7839948 | 7791226 | 7835170 | 0.53 | cps |
| Rhodium | 103-2 | 4533610 | 4463992 | 4435464 | 4477689 | 1.13 | cps |
| Scandium | 45-1 | 5343076 | 5099582 | 5164705 | 5202454 | 2.42 | cps |
| Scandium | 45-2 | 374705 | 372637 | 371696 | 373013 | 0.41 | cps |
| Selenium | 82-1 | 398 | 421 | 371 | 397 | 6.34 | cps |
| Selenium | 77-2 | 40 | 27 | 20 | 29 | 35.25 | cps |
| Selenium | 78-2 | 227 | 230 | 253 | 237 | 6.14 | cps |
| Silicon | 28-1 | 6992407 | 6966957 | 7138459 | 7032608 | 1.32 | cps |
| Silver | 107-1 | 18061 | 18788 | 19384 | 18744 | 3.53 | cps |
| Silver | 109-1 | 17080 | 17457 | 16910 | 17149 | 1.63 | cps |
| Sodium | 23-2 | 160867 | 157436 | 154662 | 157655 | 1.97 | cps |
| Strontium | 86-1 | 12539 | 12712 | 12419 | 12557 | 1.18 | cps |
| Strontium | 88-1 | 107916 | 107093 | 108420 | 107810 | 0.62 | cps |
| Sulfur | 34-1 | 156556 | 156236 | 155724 | 156172 | 0.27 | cps |
| Terbium | 159-1 | 10202408 | 9855371 | 9820352 | 9959377 | 2.12 | cps |
| Terbium | 159-2 | 6639491 | 6548235 | 6577339 | 6588355 | 0.71 | cps |
| Thallium | 203-1 | 520 | 567 | 560 | 549 | 4.60 | cps |
| Thallium | 205-1 | 1263 | 1267 | 1297 | 1276 | 1.44 | cps |
| Tin | 118-1 | 22625 | 23579 | 22925 | 23043 | 2.12 | cps |
| Titanium | 47-1 | 143597 | 145455 | 144510 | 144521 | 0.64 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-02DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 926-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:14:37 | DataFile Name : | 058SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7809 | 7465 | 7752 | 7676 | 2.40 | cps |
| Vanadium | 51-2 | 23495 | 23255 | 22988 | 23246 | 1.09 | cps |
| Yttrium | 89-1 | 11444819 | 11640704 | 11461284 | 11515602 | 0.94 | cps |
| Yttrium | 89-2 | 2584128 | 2528799 | 2644184 | 2585704 | 2.23 | cps |
| Zinc | 66-2 | 19670 | 19706 | 19600 | 19659 | 0.28 | cps |
| Zirconium | 90-1 | 23319 | 24077 | 24641 | 24012 | 2.76 | cps |
| Zirconium | 91-1 | 5341 | 5238 | 5351 | 5310 | 1.18 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-03 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:17:53 | DataFile Name : | 059SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4965232 | 4895521 | 4887418 | 4916057 | 0.87 | cps |
| Antimony | 121-1 | 12469 | 12502 | 12572 | 12514 | 0.42 | cps |
| Arsenic | 75-2 | 35379 | 35509 | 34691 | 35193 | 1.25 | cps |
| Barium | 135-1 | 1321366 | 1310818 | 1323953 | 1318712 | 0.53 | cps |
| Barium | 137-1 | 2405556 | 2356760 | 2358732 | 2373682 | 1.16 | cps |
| Beryllium | 9-1 | 9109 | 9286 | 9136 | 9177 | 1.04 | cps |
| Bismuth | 209-1 | 6131631 | 5976561 | 5965052 | 6024415 | 1.54 | cps |
| Bismuth | 209-2 | 4996524 | 4902246 | 5027180 | 4975317 | 1.31 | cps |
| Bromine | 81-1 | 21262 | 23916 | 26547 | 23908 | 11.05 | cps |
| Bromine | 81-2 | 3330 | 3317 | 3490 | 3379 | 2.86 | cps |
| Cadmium | 108-1 | 840 | 783 | 783 | 802 | 4.08 | cps |
| Cadmium | 106-1 | 4201 | 4361 | 4064 | 4208 | 3.53 | cps |
| Cadmium | 111-1 | 12950 | 13328 | 12994 | 13091 | 1.58 | cps |
| Calcium | 43-1 | 155794 | 157731 | 158065 | 157196 | 0.78 | cps |
| Calcium | 44-1 | 2396157 | 2386783 | 2414690 | 2399210 | 0.59 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 273880 | 274916 | 270474 | 273090 | 0.85 | cps |
| Cobalt | 59-2 | 79469 | 78464 | 77938 | 78624 | 0.99 | cps |
| Copper | 63-2 | 356300 | 356323 | 348556 | 353726 | 1.27 | cps |
| Dysprosium | 156-1 | 103239 | 101104 | 102491 | 102278 | 1.06 | cps |
| Dysprosium | 156-2 | 80097 | 80422 | 79239 | 79919 | 0.76 | cps |
| Erbium | 164-1 | 101338 | 100441 | 101549 | 101109 | 0.58 | cps |
| Erbium | 164-2 | 68132 | 66645 | 67847 | 67541 | 1.17 | cps |
| Gadolinium | 160-1 | 105275 | 104882 | 105766 | 105308 | 0.42 | cps |
| Gadolinium | 160-2 | 74152 | 73716 | 73682 | 73850 | 0.35 | cps |
| Holmium | 165-1 | 10655626 | 10520374 | 10421895 | 10532631 | 1.11 | cps |
| Holmium | 165-2 | 7164523 | 7076167 | 6997646 | 7079445 | 1.18 | cps |
| Indium | 115-1 | 9006087 | 8871949 | 8781398 | 8886478 | 1.27 | cps |
| Indium | 115-2 | 2843370 | 2762788 | 2819243 | 2808467 | 1.47 | cps |
| Iron | 56-2 | 158610804 | 158708008 | 155721051 | 157679954 | 1.08 | cps |
| Iron | 57-2 | 3887031 | 3812201 | 3902150 | 3867127 | 1.25 | cps |
| Iron | 54-2 | 8524528 | 8467434 | 8525365 | 8505776 | 0.39 | cps |
| Krypton | 83-1 | 360 | 363 | 347 | 357 | 2.47 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-03 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:17:53 | DataFile Name : | 059SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1444297 | 1444338 | 1458886 | 1449173 | 0.58 | cps |
| Lead | 207-1 | 1235974 | 1231391 | 1239978 | 1235781 | 0.35 | cps |
| Lead | 208-1 | 6106193 | 6006208 | 6031307 | 6047902 | 0.86 | cps |
| Lithium | 6-1 | 1728832 | 1684209 | 1657338 | 1690126 | 2.14 | cps |
| Magnesium | 24-2 | 1066337 | 1073947 | 1057433 | 1065905 | 0.78 | cps |
| Manganese | 55-2 | 766954 | 758583 | 760279 | 761939 | 0.58 | cps |
| Molybdenum | 94-1 | 49410 | 48189 | 48968 | 48856 | 1.27 | cps |
| Molybdenum | 95-1 | 14824 | 14744 | 14157 | 14575 | 2.50 | cps |
| Molybdenum | 96-1 | 25509 | 24938 | 25138 | 25195 | 1.15 | cps |
| Molybdenum | 97-1 | 9406 | 9353 | 9403 | 9388 | 0.32 | cps |
| Molybdenum | 98-1 | 23756 | 23499 | 23749 | 23668 | 0.62 | cps |
| Neodymium | 150-1 | 158335 | 156108 | 157169 | 157204 | 0.71 | cps |
| Neodymium | 150-2 | 88265 | 88385 | 86681 | 87777 | 1.08 | cps |
| Nickel | 60-2 | 68747 | 68844 | 68040 | 68544 | 0.64 | cps |
| Phosphorus | 31-2 | 23228 | 23662 | 23802 | 23564 | 1.27 | cps |
| Potassium | 39-2 | 538132 | 538762 | 536483 | 537792 | 0.22 | cps |
| Rhodium | 103-1 | 8552012 | 8388405 | 8455655 | 8465357 | 0.97 | cps |
| Rhodium | 103-2 | 4713727 | 4686743 | 4698218 | 4699563 | 0.29 | cps |
| Scandium | 45-1 | 5914230 | 5690329 | 5751247 | 5785269 | 2.00 | cps |
| Scandium | 45-2 | 411028 | 405857 | 406391 | 407758 | 0.70 | cps |
| Selenium | 82-1 | 754 | 801 | 781 | 778 | 3.05 | cps |
| Selenium | 77-2 | 223 | 287 | 280 | 263 | 13.22 | cps |
| Selenium | 78-2 | 483 | 543 | 557 | 528 | 7.40 | cps |
| Silicon | 28-1 | 36664399 | 37344954 | 36651349 | 36886901 | 1.08 | cps |
| Silver | 107-1 | 65886 | 68048 | 69251 | 67728 | 2.52 | cps |
| Silver | 109-1 | 63652 | 63974 | 64720 | 64115 | 0.85 | cps |
| Sodium | 23-2 | 614581 | 612811 | 604277 | 610556 | 0.90 | cps |
| Strontium | 86-1 | 220528 | 216998 | 217706 | 218411 | 0.85 | cps |
| Strontium | 88-1 | 1940616 | 1925271 | 1914426 | 1926771 | 0.68 | cps |
| Sulfur | 34-1 | 697234 | 699652 | 695619 | 697502 | 0.29 | cps |
| Terbium | 159-1 | 10960736 | 10761324 | 10655440 | 10792500 | 1.44 | cps |
| Terbium | 159-2 | 7062968 | 7131392 | 7030090 | 7074817 | 0.73 | cps |
| Thallium | 203-1 | 3087 | 2934 | 3187 | 3069 | 4.16 | cps |
| Thallium | 205-1 | 7475 | 7532 | 7636 | 7548 | 1.08 | cps |
| Tin | 118-1 | 34357 | 33850 | 34628 | 34278 | 1.15 | cps |
| Titanium | 47-1 | 737274 | 735804 | 735079 | 736052 | 0.15 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-03 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:17:53 | DataFile Name : | 059SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 78349 | 77417 | 78097 | 77954 | 0.62 | cps |
| Vanadium | 51-2 | 588797 | 585639 | 585535 | 586657 | 0.32 | cps |
| Yttrium | 89-1 | 14064029 | 13518841 | 13430924 | 13671264 | 2.51 | cps |
| Yttrium | 89-2 | 3121800 | 3130310 | 3076416 | 3109509 | 0.93 | cps |
| Zinc | 66-2 | 488665 | 487871 | 477646 | 484728 | 1.27 | cps |
| Zirconium | 90-1 | 110002 | 109303 | 108686 | 109330 | 0.60 | cps |
| Zirconium | 91-1 | 24324 | 24133 | 24871 | 24443 | 1.57 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-03DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:21:03 | DataFile Name : | 060SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 946408 | 938048 | 924038 | 936165 | 1.21 | cps |
| Antimony | 121-1 | 2317 | 2314 | 2470 | 2367 | 3.78 | cps |
| Arsenic | 75-2 | 6525 | 6555 | 6488 | 6523 | 0.51 | cps |
| Barium | 135-1 | 244171 | 242690 | 241687 | 242849 | 0.51 | cps |
| Barium | 137-1 | 412194 | 422857 | 421016 | 418689 | 1.36 | cps |
| Beryllium | 9-1 | 1763 | 1663 | 1620 | 1682 | 4.37 | cps |
| Bismuth | 209-1 | 5904427 | 5683778 | 5578407 | 5722204 | 2.91 | cps |
| Bismuth | 209-2 | 4799226 | 4912256 | 4793898 | 4835127 | 1.38 | cps |
| Bromine | 81-1 | 12529 | 12585 | 12852 | 12656 | 1.37 | cps |
| Bromine | 81-2 | 767 | 843 | 873 | 828 | 6.65 | cps |
| Cadmium | 108-1 | 137 | 193 | 160 | 163 | 17.44 | cps |
| Cadmium | 106-1 | 2777 | 2867 | 2777 | 2807 | 1.85 | cps |
| Cadmium | 111-1 | 3865 | 3735 | 3739 | 3780 | 1.96 | cps |
| Calcium | 43-1 | 28791 | 28934 | 29576 | 29100 | 1.44 | cps |
| Calcium | 44-1 | 478126 | 473348 | 476046 | 475840 | 0.50 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 52187 | 51371 | 50972 | 51510 | 1.20 | cps |
| Cobalt | 59-2 | 14948 | 14968 | 14797 | 14904 | 0.62 | cps |
| Copper | 63-2 | 67063 | 66202 | 67120 | 66795 | 0.77 | cps |
| Dysprosium | 156-1 | 18656 | 18392 | 18676 | 18575 | 0.85 | cps |
| Dysprosium | 156-2 | 14905 | 14738 | 14758 | 14800 | 0.62 | cps |
| Erbium | 164-1 | 18062 | 18336 | 18175 | 18191 | 0.76 | cps |
| Erbium | 164-2 | 12616 | 12646 | 12319 | 12527 | 1.44 | cps |
| Gadolinium | 160-1 | 18679 | 18993 | 19106 | 18926 | 1.17 | cps |
| Gadolinium | 160-2 | 13857 | 13980 | 13600 | 13812 | 1.40 | cps |
| Holmium | 165-1 | 9789880 | 9621000 | 9489352 | 9633411 | 1.56 | cps |
| Holmium | 165-2 | 6669762 | 6742373 | 6600792 | 6670976 | 1.06 | cps |
| Indium | 115-1 | 8589264 | 8178481 | 8363153 | 8376966 | 2.46 | cps |
| Indium | 115-2 | 2736584 | 2693683 | 2625399 | 2685222 | 2.09 | cps |
| Iron | 56-2 | 29336532 | 29787289 | 29268435 | 29464085 | 0.96 | cps |
| Iron | 57-2 | 760739 | 768697 | 761830 | 763755 | 0.56 | cps |
| Iron | 54-2 | 1622938 | 1600998 | 1615081 | 1613006 | 0.69 | cps |
| Krypton | 83-1 | 217 | 217 | 200 | 211 | 4.56 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-03DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:21:03 | DataFile Name : | 060SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 264129 | 264242 | 263440 | 263937 | 0.16 | cps |
| Lead | 207-1 | 226132 | 232264 | 224869 | 227755 | 1.74 | cps |
| Lead | 208-1 | 1047586 | 1051732 | 1041504 | 1046941 | 0.49 | cps |
| Lithium | 6-1 | 1593097 | 1596086 | 1593022 | 1594068 | 0.11 | cps |
| Magnesium | 24-2 | 199959 | 198261 | 196291 | 198170 | 0.93 | cps |
| Manganese | 55-2 | 142524 | 143325 | 141078 | 142309 | 0.80 | cps |
| Molybdenum | 94-1 | 9240 | 8929 | 8986 | 9052 | 1.82 | cps |
| Molybdenum | 95-1 | 2730 | 2747 | 2744 | 2740 | 0.32 | cps |
| Molybdenum | 96-1 | 4791 | 4674 | 4851 | 4772 | 1.88 | cps |
| Molybdenum | 97-1 | 1800 | 1710 | 1743 | 1751 | 2.60 | cps |
| Molybdenum | 98-1 | 4234 | 4554 | 4341 | 4376 | 3.72 | cps |
| Neodymium | 150-1 | 28806 | 28315 | 29157 | 28759 | 1.47 | cps |
| Neodymium | 150-2 | 16019 | 16476 | 16320 | 16272 | 1.43 | cps |
| Nickel | 60-2 | 13506 | 13496 | 12856 | 13286 | 2.81 | cps |
| Phosphorus | 31-2 | 4454 | 4314 | 4307 | 4358 | 1.90 | cps |
| Potassium | 39-2 | 138406 | 138560 | 138531 | 138499 | 0.06 | cps |
| Rhodium | 103-1 | 8026714 | 8239535 | 7854686 | 8040312 | 2.40 | cps |
| Rhodium | 103-2 | 4660847 | 4547875 | 4530259 | 4579660 | 1.55 | cps |
| Scandium | 45-1 | 5290411 | 5207939 | 5210363 | 5236238 | 0.90 | cps |
| Scandium | 45-2 | 378790 | 375147 | 372616 | 375518 | 0.83 | cps |
| Selenium | 82-1 | 450 | 397 | 483 | 443 | 9.77 | cps |
| Selenium | 77-2 | 60 | 37 | 87 | 61 | 40.94 | cps |
| Selenium | 78-2 | 280 | 287 | 317 | 294 | 6.63 | cps |
| Silicon | 28-1 | 7083838 | 6919361 | 6987594 | 6996931 | 1.18 | cps |
| Silver | 107-1 | 12836 | 12632 | 12876 | 12781 | 1.02 | cps |
| Silver | 109-1 | 11718 | 12005 | 11912 | 11878 | 1.23 | cps |
| Sodium | 23-2 | 124542 | 126037 | 122526 | 124369 | 1.42 | cps |
| Strontium | 86-1 | 38714 | 40907 | 39690 | 39770 | 2.76 | cps |
| Strontium | 88-1 | 345246 | 348384 | 351533 | 348388 | 0.90 | cps |
| Sulfur | 34-1 | 242515 | 242779 | 240738 | 242011 | 0.46 | cps |
| Terbium | 159-1 | 9912284 | 10142734 | 10043761 | 10032927 | 1.15 | cps |
| Terbium | 159-2 | 6708947 | 6607194 | 6609485 | 6641875 | 0.87 | cps |
| Thallium | 203-1 | 583 | 570 | 613 | 589 | 3.77 | cps |
| Thallium | 205-1 | 1313 | 1467 | 1310 | 1363 | 6.57 | cps |
| Tin | 118-1 | 6615 | 6678 | 6878 | 6724 | 2.05 | cps |
| Titanium | 47-1 | 132794 | 135952 | 133883 | 134210 | 1.20 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-03DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:21:03 | DataFile Name : | 060SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14381 | 14131 | 14468 | 14327 | 1.22 | cps |
| Vanadium | 51-2 | 110364 | 109293 | 108406 | 109354 | 0.90 | cps |
| Yttrium | 89-1 | 11639514 | 11579897 | 11347431 | 11522280 | 1.34 | cps |
| Yttrium | 89-2 | 2689162 | 2657324 | 2637289 | 2661258 | 0.98 | cps |
| Zinc | 66-2 | 90962 | 90485 | 90519 | 90655 | 0.29 | cps |
| Zirconium | 90-1 | 20401 | 20808 | 20418 | 20542 | 1.12 | cps |
| Zirconium | 91-1 | 4547 | 4771 | 4524 | 4614 | 2.95 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-04DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:24:19 | DataFile Name : | 061SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 505941 | 502508 | 501331 | 503260 | 0.48 | cps |
| Antimony | 121-1 | 1567 | 1403 | 1657 | 1542 | 8.33 | cps |
| Arsenic | 75-2 | 12015 | 11611 | 12355 | 11994 | 3.11 | cps |
| Barium | 135-1 | 325244 | 329168 | 328462 | 327625 | 0.64 | cps |
| Barium | 137-1 | 559063 | 559719 | 562442 | 560408 | 0.32 | cps |
| Beryllium | 9-1 | 1760 | 1617 | 1680 | 1686 | 4.26 | cps |
| Bismuth | 209-1 | 5749211 | 5808962 | 5781428 | 5779867 | 0.52 | cps |
| Bismuth | 209-2 | 4712482 | 4781120 | 4799976 | 4764526 | 0.97 | cps |
| Bromine | 81-1 | 9420 | 10307 | 10164 | 9963 | 4.78 | cps |
| Bromine | 81-2 | 450 | 453 | 437 | 447 | 1.97 | cps |
| Cadmium | 108-1 | 130 | 127 | 130 | 129 | 1.49 | cps |
| Cadmium | 106-1 | 2700 | 2594 | 2467 | 2587 | 4.52 | cps |
| Cadmium | 111-1 | 3409 | 3494 | 3339 | 3414 | 2.26 | cps |
| Calcium | 43-1 | 22677 | 23451 | 23495 | 23208 | 1.98 | cps |
| Calcium | 44-1 | 382540 | 389238 | 391217 | 387665 | 1.17 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 28981 | 28130 | 28460 | 28524 | 1.51 | cps |
| Cobalt | 59-2 | 29766 | 30317 | 30498 | 30194 | 1.26 | cps |
| Copper | 63-2 | 44847 | 45432 | 43466 | 44582 | 2.26 | cps |
| Dysprosium | 156-1 | 11508 | 11131 | 11575 | 11405 | 2.10 | cps |
| Dysprosium | 156-2 | 9176 | 8910 | 9233 | 9106 | 1.90 | cps |
| Erbium | 164-1 | 11478 | 11255 | 11612 | 11448 | 1.58 | cps |
| Erbium | 164-2 | 7822 | 7582 | 7182 | 7529 | 4.30 | cps |
| Gadolinium | 160-1 | 11638 | 11532 | 11175 | 11448 | 2.12 | cps |
| Gadolinium | 160-2 | 8870 | 8509 | 8459 | 8613 | 2.60 | cps |
| Holmium | 165-1 | 9577804 | 9345102 | 9432144 | 9451683 | 1.24 | cps |
| Holmium | 165-2 | 6758215 | 6602775 | 6593034 | 6651341 | 1.39 | cps |
| Indium | 115-1 | 8496288 | 8426240 | 8300340 | 8407623 | 1.18 | cps |
| Indium | 115-2 | 2713358 | 2609740 | 2685948 | 2669682 | 2.01 | cps |
| Iron | 56-2 | 22889828 | 22365742 | 22667685 | 22641085 | 1.16 | cps |
| Iron | 57-2 | 589569 | 591055 | 589795 | 590139 | 0.14 | cps |
| Iron | 54-2 | 1296174 | 1284885 | 1292014 | 1291024 | 0.44 | cps |
| Krypton | 83-1 | 183 | 213 | 213 | 203 | 8.52 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-04DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:24:19 | DataFile Name : | 061SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 227513 | 229805 | 227025 | 228114 | 0.65 | cps |
| Lead | 207-1 | 191446 | 191673 | 191419 | 191512 | 0.07 | cps |
| Lead | 208-1 | 877724 | 887253 | 882321 | 882433 | 0.54 | cps |
| Lithium | 6-1 | 1567115 | 1582726 | 1580958 | 1576933 | 0.54 | cps |
| Magnesium | 24-2 | 144000 | 142739 | 143657 | 143465 | 0.45 | cps |
| Manganese | 55-2 | 121284 | 120572 | 120189 | 120681 | 0.46 | cps |
| Molybdenum | 94-1 | 5588 | 5905 | 5868 | 5787 | 2.99 | cps |
| Molybdenum | 95-1 | 2367 | 2280 | 2514 | 2387 | 4.94 | cps |
| Molybdenum | 96-1 | 3877 | 3537 | 3667 | 3694 | 4.65 | cps |
| Molybdenum | 97-1 | 1517 | 1480 | 1490 | 1496 | 1.27 | cps |
| Molybdenum | 98-1 | 3864 | 3794 | 3794 | 3817 | 1.06 | cps |
| Neodymium | 150-1 | 17090 | 17501 | 17738 | 17443 | 1.88 | cps |
| Neodymium | 150-2 | 9687 | 9720 | 10024 | 9810 | 1.89 | cps |
| Nickel | 60-2 | 11621 | 11281 | 11912 | 11605 | 2.72 | cps |
| Phosphorus | 31-2 | 2320 | 2204 | 2190 | 2238 | 3.20 | cps |
| Potassium | 39-2 | 117116 | 118198 | 118715 | 118009 | 0.69 | cps |
| Rhodium | 103-1 | 8058348 | 7926041 | 7948903 | 7977764 | 0.89 | cps |
| Rhodium | 103-2 | 4503819 | 4479695 | 4487783 | 4490432 | 0.27 | cps |
| Scandium | 45-1 | 5436675 | 5363256 | 5207602 | 5335844 | 2.19 | cps |
| Scandium | 45-2 | 373878 | 370205 | 379010 | 374365 | 1.18 | cps |
| Selenium | 82-1 | 425 | 348 | 436 | 403 | 11.86 | cps |
| Selenium | 77-2 | 7 | 43 | 23 | 24 | 75.09 | cps |
| Selenium | 78-2 | 203 | 233 | 180 | 206 | 13.01 | cps |
| Silicon | 28-1 | 4458741 | 4535573 | 4563290 | 4519201 | 1.20 | cps |
| Silver | 107-1 | 7749 | 7789 | 8082 | 7873 | 2.31 | cps |
| Silver | 109-1 | 6988 | 7415 | 7402 | 7269 | 3.34 | cps |
| Sodium | 23-2 | 81196 | 81072 | 82097 | 81455 | 0.69 | cps |
| Strontium | 86-1 | 36164 | 36345 | 36686 | 36398 | 0.73 | cps |
| Strontium | 88-1 | 314609 | 313925 | 318680 | 315738 | 0.81 | cps |
| Sulfur | 34-1 | 270466 | 267162 | 269132 | 268920 | 0.62 | cps |
| Terbium | 159-1 | 10069241 | 9991260 | 10004836 | 10021779 | 0.42 | cps |
| Terbium | 159-2 | 6629332 | 6463832 | 6676294 | 6589819 | 1.69 | cps |
| Thallium | 203-1 | 970 | 1063 | 987 | 1007 | 4.94 | cps |
| Thallium | 205-1 | 2254 | 2434 | 2274 | 2320 | 4.25 | cps |
| Tin | 118-1 | 4127 | 4344 | 4577 | 4350 | 5.18 | cps |
| Titanium | 47-1 | 73226 | 73719 | 73558 | 73501 | 0.34 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-04DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:24:19 | DataFile Name : | 061SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 6985 | 7022 | 7375 | 7128 | 3.02 | cps |
| Vanadium | 51-2 | 34132 | 33992 | 33881 | 34002 | 0.37 | cps |
| Yttrium | 89-1 | 11451959 | 11626521 | 11626456 | 11568312 | 0.87 | cps |
| Yttrium | 89-2 | 2609314 | 2659101 | 2562202 | 2610206 | 1.86 | cps |
| Zinc | 66-2 | 51462 | 51846 | 52502 | 51937 | 1.01 | cps |
| Zirconium | 90-1 | 12215 | 12349 | 12028 | 12197 | 1.32 | cps |
| Zirconium | 91-1 | 2557 | 2650 | 2640 | 2616 | 1.96 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV04 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV04 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:27:33 | DataFile Name : | 062CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5731707 | 5757650 | 5720894 | 5736750 | 0.33 | cps |
| Antimony | 121-1 | 3442150 | 3463445 | 3463736 | 3456443 | 0.36 | cps |
| Arsenic | 75-2 | 162607 | 162217 | 160810 | 161878 | 0.58 | cps |
| Barium | 135-1 | 4096264 | 4027171 | 4032606 | 4052014 | 0.95 | cps |
| Barium | 137-1 | 6996451 | 7105325 | 6950426 | 7017401 | 1.13 | cps |
| Beryllium | 9-1 | 609951 | 634286 | 630864 | 625034 | 2.11 | cps |
| Bismuth | 209-1 | 5369309 | 5382462 | 5399319 | 5383697 | 0.28 | cps |
| Bismuth | 209-2 | 4334473 | 4423195 | 4452269 | 4403313 | 1.39 | cps |
| Bromine | 81-1 | 8533 | 8059 | 8452 | 8348 | 3.04 | cps |
| Bromine | 81-2 | 140 | 93 | 87 | 107 | 27.24 | cps |
| Cadmium | 108-1 | 58454 | 58420 | 58280 | 58385 | 0.16 | cps |
| Cadmium | 106-1 | 86204 | 85124 | 85935 | 85754 | 0.66 | cps |
| Cadmium | 111-1 | 796938 | 789162 | 794878 | 793659 | 0.51 | cps |
| Calcium | 43-1 | 4898379 | 4911293 | 4816548 | 4875406 | 1.05 | cps |
| Calcium | 44-1 | 75672266 | 78064344 | 75982437 | 76573016 | 1.70 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1157455 | 1161416 | 1141921 | 1153597 | 0.89 | cps |
| Cobalt | 59-2 | 1800919 | 1732674 | 1738752 | 1757448 | 2.15 | cps |
| Copper | 63-2 | 12041814 | 11913416 | 11974504 | 11976578 | 0.54 | cps |
| Dysprosium | 156-1 | 190 | 237 | 167 | 198 | 18.02 | cps |
| Dysprosium | 156-2 | 343 | 267 | 313 | 308 | 12.55 | cps |
| Erbium | 164-1 | 227 | 283 | 200 | 237 | 17.98 | cps |
| Erbium | 164-2 | 113 | 180 | 163 | 152 | 22.79 | cps |
| Gadolinium | 160-1 | 183 | 197 | 160 | 180 | 10.31 | cps |
| Gadolinium | 160-2 | 457 | 423 | 367 | 416 | 10.95 | cps |
| Holmium | 165-1 | 9792244 | 9623974 | 9666199 | 9694139 | 0.90 | cps |
| Holmium | 165-2 | 6537484 | 6620789 | 6569148 | 6575807 | 0.64 | cps |
| Indium | 115-1 | 7872715 | 7967547 | 7839715 | 7893326 | 0.84 | cps |
| Indium | 115-2 | 2522124 | 2492512 | 2468693 | 2494443 | 1.07 | cps |
| Iron | 56-2 | 245686416 | 247183903 | 246018636 | 246296319 | 0.32 | cps |
| Iron | 57-2 | 6087169 | 6067572 | 6043344 | 6066028 | 0.36 | cps |
| Iron | 54-2 | 13471933 | 13197871 | 13056785 | 13242196 | 1.59 | cps |
| Krypton | 83-1 | 240 | 173 | 263 | 226 | 20.71 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV04 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV04 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:27:33 | DataFile Name : | 062CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10171648 | 10383943 | 10467791 | 10341127 | 1.48 | cps |
| Lead | 207-1 | 8978100 | 9274030 | 8987985 | 9080038 | 1.85 | cps |
| Lead | 208-1 | 40510629 | 41926796 | 41199449 | 41212291 | 1.72 | cps |
| Lithium | 6-1 | 1580958 | 1664270 | 1570458 | 1605229 | 3.20 | cps |
| Magnesium | 24-2 | 51632293 | 50795088 | 51099543 | 51175641 | 0.83 | cps |
| Manganese | 55-2 | 8024731 | 8076936 | 8073979 | 8058549 | 0.36 | cps |
| Molybdenum | 94-1 | 12404020 | 12472401 | 12421519 | 12432647 | 0.29 | cps |
| Molybdenum | 95-1 | 17954818 | 18102984 | 17657373 | 17905058 | 1.27 | cps |
| Molybdenum | 96-1 | 19420582 | 19486690 | 19475020 | 19460764 | 0.18 | cps |
| Molybdenum | 97-1 | 11200632 | 11210529 | 11129962 | 11180374 | 0.39 | cps |
| Molybdenum | 98-1 | 28509785 | 29058173 | 29054968 | 28874309 | 1.09 | cps |
| Neodymium | 150-1 | 283 | 293 | 287 | 288 | 1.77 | cps |
| Neodymium | 150-2 | 80 | 83 | 77 | 80 | 4.16 | cps |
| Nickel | 60-2 | 441335 | 437208 | 434780 | 437774 | 0.76 | cps |
| Phosphorus | 31-2 | 66745 | 67300 | 66175 | 66740 | 0.84 | cps |
| Potassium | 39-2 | 30208003 | 29986379 | 30144765 | 30113049 | 0.38 | cps |
| Rhodium | 103-1 | 7399586 | 7266893 | 7280771 | 7315750 | 1.00 | cps |
| Rhodium | 103-2 | 4099652 | 4052281 | 3999418 | 4050450 | 1.24 | cps |
| Scandium | 45-1 | 5192804 | 5150425 | 5100914 | 5148048 | 0.89 | cps |
| Scandium | 45-2 | 351492 | 359669 | 354555 | 355239 | 1.16 | cps |
| Selenium | 82-1 | 53189 | 53193 | 53291 | 53224 | 0.11 | cps |
| Selenium | 77-2 | 4144 | 4341 | 4317 | 4267 | 2.52 | cps |
| Selenium | 78-2 | 14971 | 14984 | 14644 | 14866 | 1.30 | cps |
| Silicon | 28-1 | 31858892 | 32425490 | 32340591 | 32208324 | 0.95 | cps |
| Silver | 107-1 | 3910153 | 3926773 | 3932743 | 3923223 | 0.30 | cps |
| Silver | 109-1 | 3763600 | 3740315 | 3703244 | 3735720 | 0.81 | cps |
| Sodium | 23-2 | 81058882 | 80481174 | 80811214 | 80783757 | 0.36 | cps |
| Strontium | 86-1 | 26613320 | 26502755 | 26417689 | 26511255 | 0.37 | cps |
| Strontium | 88-1 | 227880030 | 227562683 | 225026630 | 226823114 | 0.69 | cps |
| Sulfur | 34-1 | 474817 | 479451 | 473881 | 476050 | 0.63 | cps |
| Terbium | 159-1 | 9886691 | 9979281 | 9695485 | 9853819 | 1.47 | cps |
| Terbium | 159-2 | 6594745 | 6489801 | 6507657 | 6530734 | 0.86 | cps |
| Thallium | 203-1 | 2611163 | 2676847 | 2730874 | 2672961 | 2.24 | cps |
| Thallium | 205-1 | 6144739 | 6168859 | 6319629 | 6211076 | 1.53 | cps |
| Tin | 118-1 | 2574521 | 2636671 | 2611125 | 2607439 | 1.20 | cps |
| Titanium | 47-1 | 4945610 | 4918450 | 4907809 | 4923956 | 0.40 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV04 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV04 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:27:33 | DataFile Name : | 062CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8018277 | 8185813 | 7928887 | 8044325 | 1.62 | cps |
| Vanadium | 51-2 | 1038670 | 1038458 | 1024377 | 1033835 | 0.79 | cps |
| Yttrium | 89-1 | 11307540 | 11057288 | 10726797 | 11030542 | 2.64 | cps |
| Yttrium | 89-2 | 2449636 | 2443535 | 2427140 | 2440104 | 0.48 | cps |
| Zinc | 66-2 | 2057304 | 2037334 | 2031100 | 2041913 | 0.67 | cps |
| Zirconium | 90-1 | 5938074 | 5974426 | 5780755 | 5897752 | 1.75 | cps |
| Zirconium | 91-1 | 1321762 | 1323110 | 1300412 | 1315095 | 0.97 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB04 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB04 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:33:46 | DataFile Name : | 063CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 283 | 277 | 293 | 284 | 2.95 | cps |
| Antimony | 121-1 | 910 | 1033 | 1197 | 1047 | 13.74 | cps |
| Arsenic | 75-2 | 13 | 3 | 17 | 11 | 62.48 | cps |
| Barium | 135-1 | 93 | 100 | 100 | 98 | 3.94 | cps |
| Barium | 137-1 | 167 | 180 | 200 | 182 | 9.21 | cps |
| Beryllium | 9-1 | 93 | 87 | 57 | 79 | 24.75 | cps |
| Bismuth | 209-1 | 5585421 | 5640572 | 5641405 | 5622466 | 0.57 | cps |
| Bismuth | 209-2 | 4786947 | 4675811 | 4799996 | 4754252 | 1.44 | cps |
| Bromine | 81-1 | 7775 | 7529 | 7765 | 7690 | 1.82 | cps |
| Bromine | 81-2 | 93 | 90 | 57 | 80 | 25.34 | cps |
| Cadmium | 108-1 | 7 | 7 | 17 | 10 | 57.72 | cps |
| Cadmium | 106-1 | 2314 | 2104 | 2120 | 2179 | 5.36 | cps |
| Cadmium | 111-1 | 1661 | 1494 | 1502 | 1553 | 6.07 | cps |
| Calcium | 43-1 | 363 | 317 | 360 | 347 | 7.51 | cps |
| Calcium | 44-1 | 12079 | 11311 | 11195 | 11528 | 4.17 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 630 | 603 | 600 | 611 | 2.69 | cps |
| Cobalt | 59-2 | 63 | 73 | 103 | 80 | 26.02 | cps |
| Copper | 63-2 | 1053 | 1097 | 1137 | 1096 | 3.80 | cps |
| Dysprosium | 156-1 | 10 | 30 | 27 | 22 | 48.22 | cps |
| Dysprosium | 156-2 | 0 | 3 | 13 | 6 | 124.93 | cps |
| Erbium | 164-1 | 70 | 97 | 57 | 74 | 27.36 | cps |
| Erbium | 164-2 | 30 | 40 | 43 | 38 | 18.36 | cps |
| Gadolinium | 160-1 | 53 | 30 | 40 | 41 | 28.47 | cps |
| Gadolinium | 160-2 | 247 | 333 | 280 | 287 | 15.25 | cps |
| Holmium | 165-1 | 9501914 | 9344663 | 9349162 | 9398580 | 0.95 | cps |
| Holmium | 165-2 | 6589031 | 6464797 | 6466437 | 6506755 | 1.10 | cps |
| Indium | 115-1 | 8281308 | 8301480 | 8235410 | 8272733 | 0.41 | cps |
| Indium | 115-2 | 2681847 | 2687411 | 2625140 | 2664799 | 1.29 | cps |
| Iron | 56-2 | 14370 | 15191 | 15168 | 14910 | 3.13 | cps |
| Iron | 57-2 | 1413 | 1590 | 1690 | 1565 | 8.96 | cps |
| Iron | 54-2 | 1620 | 1567 | 1427 | 1538 | 6.49 | cps |
| Krypton | 83-1 | 190 | 150 | 153 | 164 | 13.50 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB04 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB04 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:33:46 | DataFile Name : | 063CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 463 | 523 | 487 | 491 | 6.16 | cps |
| Lead | 207-1 | 453 | 433 | 420 | 436 | 3.85 | cps |
| Lead | 208-1 | 2197 | 1987 | 1987 | 2057 | 5.90 | cps |
| Lithium | 6-1 | 1577969 | 1623589 | 1545698 | 1582419 | 2.47 | cps |
| Magnesium | 24-2 | 1583 | 1350 | 1653 | 1529 | 10.39 | cps |
| Manganese | 55-2 | 393 | 357 | 393 | 381 | 5.56 | cps |
| Molybdenum | 94-1 | 630 | 500 | 513 | 548 | 13.06 | cps |
| Molybdenum | 95-1 | 497 | 453 | 520 | 490 | 6.91 | cps |
| Molybdenum | 96-1 | 647 | 557 | 523 | 576 | 11.09 | cps |
| Molybdenum | 97-1 | 290 | 307 | 273 | 290 | 5.75 | cps |
| Molybdenum | 98-1 | 840 | 820 | 810 | 823 | 1.86 | cps |
| Neodymium | 150-1 | 3 | 13 | 10 | 9 | 57.30 | cps |
| Neodymium | 150-2 | 0 | 3 | 7 | 3 | 100.05 | cps |
| Nickel | 60-2 | 200 | 173 | 113 | 162 | 27.36 | cps |
| Phosphorus | 31-2 | 110 | 127 | 107 | 114 | 9.36 | cps |
| Potassium | 39-2 | 48035 | 47076 | 46815 | 47309 | 1.36 | cps |
| Rhodium | 103-1 | 7856107 | 7857563 | 7841194 | 7851621 | 0.12 | cps |
| Rhodium | 103-2 | 4504205 | 4511872 | 4438359 | 4484812 | 0.90 | cps |
| Scandium | 45-1 | 5186469 | 5137658 | 5271044 | 5198390 | 1.30 | cps |
| Scandium | 45-2 | 369576 | 368408 | 363780 | 367255 | 0.83 | cps |
| Selenium | 82-1 | 298 | 414 | 359 | 357 | 16.33 | cps |
| Selenium | 77-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 230 | 203 | 230 | 221 | 6.96 | cps |
| Silicon | 28-1 | 290951 | 294133 | 293015 | 292700 | 0.55 | cps |
| Silver | 107-1 | 230 | 243 | 217 | 230 | 5.80 | cps |
| Silver | 109-1 | 240 | 200 | 243 | 228 | 10.59 | cps |
| Sodium | 23-2 | 19562 | 19255 | 19162 | 19327 | 1.08 | cps |
| Strontium | 86-1 | 747 | 797 | 783 | 776 | 3.34 | cps |
| Strontium | 88-1 | 4087 | 3334 | 3244 | 3555 | 13.03 | cps |
| Sulfur | 34-1 | 193353 | 191183 | 191628 | 192055 | 0.60 | cps |
| Terbium | 159-1 | 10037133 | 9785126 | 9750783 | 9857681 | 1.59 | cps |
| Terbium | 159-2 | 6612489 | 6486571 | 6514304 | 6537788 | 1.01 | cps |
| Thallium | 203-1 | 103 | 113 | 80 | 99 | 17.30 | cps |
| Thallium | 205-1 | 197 | 203 | 240 | 213 | 10.94 | cps |
| Tin | 118-1 | 1033 | 1090 | 1240 | 1121 | 9.53 | cps |
| Titanium | 47-1 | 200 | 180 | 240 | 207 | 14.78 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB04 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB04 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:33:46 | DataFile Name : | 063CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 130 | 123 | 153 | 136 | 11.62 | cps |
| Vanadium | 51-2 | 23 | 20 | 20 | 21 | 9.11 | cps |
| Yttrium | 89-1 | 10989847 | 10930703 | 10868397 | 10929649 | 0.56 | cps |
| Yttrium | 89-2 | 2569978 | 2557914 | 2546291 | 2558061 | 0.46 | cps |
| Zinc | 66-2 | 753 | 693 | 720 | 722 | 4.16 | cps |
| Zirconium | 90-1 | 763 | 713 | 673 | 717 | 6.29 | cps |
| Zirconium | 91-1 | 160 | 157 | 190 | 169 | 10.87 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-04 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:37:12 | DataFile Name : | 064SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2627430 | 2622255 | 2634170 | 2627952 | 0.23 | cps |
| Antimony | 121-1 | 7879 | 7609 | 7729 | 7739 | 1.75 | cps |
| Arsenic | 75-2 | 61001 | 61323 | 61604 | 61309 | 0.49 | cps |
| Barium | 135-1 | 1888780 | 1861114 | 1870129 | 1873341 | 0.75 | cps |
| Barium | 137-1 | 3237936 | 3257079 | 3152407 | 3215807 | 1.73 | cps |
| Beryllium | 9-1 | 9250 | 9163 | 9086 | 9166 | 0.89 | cps |
| Bismuth | 209-1 | 6080267 | 6049799 | 6003492 | 6044519 | 0.64 | cps |
| Bismuth | 209-2 | 4965868 | 5002268 | 5033132 | 5000423 | 0.67 | cps |
| Bromine | 81-1 | 14224 | 16182 | 16830 | 15745 | 8.62 | cps |
| Bromine | 81-2 | 1693 | 1777 | 1843 | 1771 | 4.24 | cps |
| Cadmium | 108-1 | 713 | 623 | 730 | 689 | 8.33 | cps |
| Cadmium | 106-1 | 3751 | 3691 | 3784 | 3742 | 1.26 | cps |
| Cadmium | 111-1 | 10532 | 10906 | 10493 | 10644 | 2.14 | cps |
| Calcium | 43-1 | 125172 | 126553 | 127404 | 126376 | 0.89 | cps |
| Calcium | 44-1 | 1971926 | 1902723 | 1934102 | 1936251 | 1.79 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 151106 | 149244 | 151934 | 150761 | 0.91 | cps |
| Cobalt | 59-2 | 159346 | 159532 | 158750 | 159209 | 0.26 | cps |
| Copper | 63-2 | 233343 | 229417 | 233493 | 232084 | 1.00 | cps |
| Dysprosium | 156-1 | 62251 | 61266 | 61979 | 61832 | 0.82 | cps |
| Dysprosium | 156-2 | 47477 | 48617 | 47356 | 47817 | 1.46 | cps |
| Erbium | 164-1 | 61371 | 60902 | 61719 | 61331 | 0.67 | cps |
| Erbium | 164-2 | 40552 | 40733 | 40288 | 40524 | 0.55 | cps |
| Gadolinium | 160-1 | 62375 | 61792 | 63771 | 62646 | 1.62 | cps |
| Gadolinium | 160-2 | 43524 | 44136 | 44618 | 44093 | 1.24 | cps |
| Holmium | 165-1 | 10350465 | 10181377 | 10278159 | 10270000 | 0.83 | cps |
| Holmium | 165-2 | 6881972 | 6853339 | 7195234 | 6976848 | 2.72 | cps |
| Indium | 115-1 | 8821114 | 8968085 | 8783319 | 8857506 | 1.10 | cps |
| Indium | 115-2 | 2796731 | 2707779 | 2687839 | 2730783 | 2.12 | cps |
| Iron | 56-2 | 119650345 | 122030052 | 120330708 | 120670368 | 1.02 | cps |
| Iron | 57-2 | 3030688 | 2948651 | 3042189 | 3007176 | 1.70 | cps |
| Iron | 54-2 | 6595201 | 6508471 | 6577858 | 6560510 | 0.70 | cps |
| Krypton | 83-1 | 340 | 270 | 323 | 311 | 11.75 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-04 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:37:12 | DataFile Name : | 064SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1230974 | 1222877 | 1231795 | 1228549 | 0.40 | cps |
| Lead | 207-1 | 1043535 | 1034093 | 1040941 | 1039523 | 0.47 | cps |
| Lead | 208-1 | 5118296 | 5081142 | 5091958 | 5097132 | 0.37 | cps |
| Lithium | 6-1 | 1717979 | 1659309 | 1640742 | 1672677 | 2.41 | cps |
| Magnesium | 24-2 | 763763 | 766034 | 774772 | 768189 | 0.76 | cps |
| Manganese | 55-2 | 637199 | 642025 | 638682 | 639302 | 0.39 | cps |
| Molybdenum | 94-1 | 31614 | 31367 | 31714 | 31565 | 0.57 | cps |
| Molybdenum | 95-1 | 13249 | 12626 | 12782 | 12886 | 2.52 | cps |
| Molybdenum | 96-1 | 19630 | 19410 | 20061 | 19700 | 1.68 | cps |
| Molybdenum | 97-1 | 7899 | 8242 | 8076 | 8072 | 2.13 | cps |
| Molybdenum | 98-1 | 20651 | 20278 | 20478 | 20469 | 0.91 | cps |
| Neodymium | 150-1 | 92910 | 93900 | 93052 | 93287 | 0.57 | cps |
| Neodymium | 150-2 | 51708 | 52440 | 51504 | 51884 | 0.95 | cps |
| Nickel | 60-2 | 61613 | 59936 | 61211 | 60920 | 1.44 | cps |
| Phosphorus | 31-2 | 11948 | 11945 | 12155 | 12016 | 1.00 | cps |
| Potassium | 39-2 | 432352 | 430973 | 431515 | 431613 | 0.16 | cps |
| Rhodium | 103-1 | 8359385 | 8189479 | 8426986 | 8325284 | 1.47 | cps |
| Rhodium | 103-2 | 4621879 | 4659566 | 4661531 | 4647659 | 0.48 | cps |
| Scandium | 45-1 | 5689165 | 5568617 | 5632829 | 5630204 | 1.07 | cps |
| Scandium | 45-2 | 401150 | 397422 | 400347 | 399640 | 0.49 | cps |
| Selenium | 82-1 | 564 | 618 | 583 | 588 | 4.65 | cps |
| Selenium | 77-2 | 183 | 137 | 170 | 163 | 14.72 | cps |
| Selenium | 78-2 | 347 | 337 | 390 | 358 | 7.92 | cps |
| Silicon | 28-1 | 22931359 | 23177120 | 22930880 | 23013120 | 0.62 | cps |
| Silver | 107-1 | 41670 | 41001 | 41543 | 41405 | 0.86 | cps |
| Silver | 109-1 | 38471 | 38551 | 39387 | 38803 | 1.31 | cps |
| Sodium | 23-2 | 394633 | 387608 | 391817 | 391352 | 0.90 | cps |
| Strontium | 86-1 | 198257 | 197521 | 198661 | 198147 | 0.29 | cps |
| Strontium | 88-1 | 1753404 | 1736419 | 1749025 | 1746283 | 0.50 | cps |
| Sulfur | 34-1 | 858082 | 848346 | 854758 | 853728 | 0.58 | cps |
| Terbium | 159-1 | 11035318 | 10881910 | 10556993 | 10824740 | 2.26 | cps |
| Terbium | 159-2 | 7016251 | 6856591 | 6888154 | 6920332 | 1.22 | cps |
| Thallium | 203-1 | 5204 | 5288 | 5611 | 5368 | 4.00 | cps |
| Thallium | 205-1 | 12609 | 12746 | 12719 | 12692 | 0.57 | cps |
| Tin | 118-1 | 22064 | 21703 | 22134 | 21967 | 1.05 | cps |
| Titanium | 47-1 | 405137 | 396769 | 402943 | 401616 | 1.08 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-04 | Instrumnet Name : | P7 |
| Client Sample ID : | 925-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:37:12 | DataFile Name : | 064SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 39261 | 40144 | 39254 | 39553 | 1.29 | cps |
| Vanadium | 51-2 | 182673 | 181984 | 181367 | 182008 | 0.36 | cps |
| Yttrium | 89-1 | 13467653 | 13145264 | 13079388 | 13230768 | 1.57 | cps |
| Yttrium | 89-2 | 2942348 | 2886367 | 2968985 | 2932567 | 1.44 | cps |
| Zinc | 66-2 | 275015 | 276140 | 275277 | 275477 | 0.21 | cps |
| Zirconium | 90-1 | 63570 | 63965 | 64765 | 64100 | 0.95 | cps |
| Zirconium | 91-1 | 14451 | 14487 | 14330 | 14423 | 0.57 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-05 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:40:21 | DataFile Name : | 065SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3334054 | 3382071 | 3300363 | 3338829 | 1.23 | cps |
| Antimony | 121-1 | 21396 | 20985 | 21446 | 21276 | 1.19 | cps |
| Arsenic | 75-2 | 88810 | 88206 | 87315 | 88110 | 0.85 | cps |
| Barium | 135-1 | 485122 | 491352 | 490047 | 488840 | 0.67 | cps |
| Barium | 137-1 | 844490 | 849161 | 832446 | 842033 | 1.02 | cps |
| Beryllium | 9-1 | 5664 | 5548 | 5915 | 5709 | 3.28 | cps |
| Bismuth | 209-1 | 5997977 | 5873271 | 6058977 | 5976742 | 1.58 | cps |
| Bismuth | 209-2 | 4893588 | 4828842 | 4997148 | 4906526 | 1.73 | cps |
| Bromine | 81-1 | 23008 | 24844 | 26654 | 24835 | 7.34 | cps |
| Bromine | 81-2 | 3574 | 3547 | 3590 | 3570 | 0.61 | cps |
| Cadmium | 108-1 | 1417 | 1300 | 1320 | 1346 | 4.64 | cps |
| Cadmium | 106-1 | 5911 | 5541 | 5541 | 5664 | 3.77 | cps |
| Cadmium | 111-1 | 21024 | 20466 | 20716 | 20735 | 1.35 | cps |
| Calcium | 43-1 | 306700 | 307913 | 307423 | 307345 | 0.20 | cps |
| Calcium | 44-1 | 4566825 | 4722694 | 4620628 | 4636716 | 1.71 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 180736 | 179819 | 178878 | 179811 | 0.52 | cps |
| Cobalt | 59-2 | 811405 | 818908 | 808507 | 812940 | 0.66 | cps |
| Copper | 63-2 | 577462 | 574607 | 569436 | 573835 | 0.71 | cps |
| Dysprosium | 156-1 | 245766 | 247452 | 248323 | 247180 | 0.53 | cps |
| Dysprosium | 156-2 | 183301 | 182905 | 183857 | 183354 | 0.26 | cps |
| Erbium | 164-1 | 247738 | 251009 | 248322 | 249023 | 0.70 | cps |
| Erbium | 164-2 | 166633 | 167100 | 164821 | 166184 | 0.72 | cps |
| Gadolinium | 160-1 | 264127 | 267510 | 262582 | 264740 | 0.95 | cps |
| Gadolinium | 160-2 | 184368 | 184655 | 183459 | 184160 | 0.34 | cps |
| Holmium | 165-1 | 10559815 | 10419245 | 10323358 | 10434139 | 1.14 | cps |
| Holmium | 165-2 | 7067245 | 6904962 | 7057122 | 7009776 | 1.30 | cps |
| Indium | 115-1 | 8880314 | 8585576 | 8925397 | 8797095 | 2.10 | cps |
| Indium | 115-2 | 2810609 | 2751034 | 2794741 | 2785461 | 1.11 | cps |
| Iron | 56-2 | 247372023 | 248004036 | 247592143 | 247656067 | 0.13 | cps |
| Iron | 57-2 | 6102319 | 6160281 | 6031890 | 6098163 | 1.05 | cps |
| Iron | 54-2 | 13543358 | 13379438 | 13490934 | 13471243 | 0.62 | cps |
| Krypton | 83-1 | 623 | 530 | 617 | 590 | 8.83 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-05 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:40:21 | DataFile Name : | 065SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2629048 | 2636902 | 2669097 | 2645016 | 0.80 | cps |
| Lead | 207-1 | 2271790 | 2299256 | 2241592 | 2270880 | 1.27 | cps |
| Lead | 208-1 | 10390133 | 10328445 | 10398188 | 10372255 | 0.37 | cps |
| Lithium | 6-1 | 1659266 | 1583036 | 1635042 | 1625782 | 2.40 | cps |
| Magnesium | 24-2 | 1240307 | 1244661 | 1244484 | 1243151 | 0.20 | cps |
| Manganese | 55-2 | 1047024 | 1050344 | 1052722 | 1050030 | 0.27 | cps |
| Molybdenum | 94-1 | 84703 | 85122 | 84241 | 84689 | 0.52 | cps |
| Molybdenum | 95-1 | 67002 | 66145 | 66815 | 66654 | 0.68 | cps |
| Molybdenum | 96-1 | 82055 | 84124 | 79833 | 82004 | 2.62 | cps |
| Molybdenum | 97-1 | 42134 | 41947 | 41292 | 41791 | 1.06 | cps |
| Molybdenum | 98-1 | 104514 | 105323 | 105571 | 105136 | 0.53 | cps |
| Neodymium | 150-1 | 333383 | 338261 | 335016 | 335553 | 0.74 | cps |
| Neodymium | 150-2 | 186399 | 185762 | 186413 | 186191 | 0.20 | cps |
| Nickel | 60-2 | 78531 | 79959 | 79248 | 79246 | 0.90 | cps |
| Phosphorus | 31-2 | 11978 | 11981 | 12118 | 12026 | 0.66 | cps |
| Potassium | 39-2 | 442134 | 442253 | 444333 | 442907 | 0.28 | cps |
| Rhodium | 103-1 | 8280907 | 8220183 | 8266590 | 8255893 | 0.38 | cps |
| Rhodium | 103-2 | 4696112 | 4640073 | 4660513 | 4665566 | 0.61 | cps |
| Scandium | 45-1 | 5746581 | 5809882 | 5654271 | 5736911 | 1.36 | cps |
| Scandium | 45-2 | 401765 | 405515 | 402117 | 403132 | 0.51 | cps |
| Selenium | 82-1 | 1036 | 1119 | 1122 | 1092 | 4.47 | cps |
| Selenium | 77-2 | 647 | 640 | 667 | 651 | 2.13 | cps |
| Selenium | 78-2 | 757 | 770 | 660 | 729 | 8.24 | cps |
| Silicon | 28-1 | 28395559 | 27857773 | 28373363 | 28208898 | 1.08 | cps |
| Silver | 107-1 | 1015311 | 1012260 | 1016640 | 1014737 | 0.22 | cps |
| Silver | 109-1 | 960719 | 970337 | 960773 | 963943 | 0.57 | cps |
| Sodium | 23-2 | 756351 | 747585 | 748659 | 750865 | 0.64 | cps |
| Strontium | 86-1 | 273616 | 278041 | 273793 | 275150 | 0.91 | cps |
| Strontium | 88-1 | 2441769 | 2405770 | 2410047 | 2419195 | 0.81 | cps |
| Sulfur | 34-1 | 1899681 | 1846776 | 1867433 | 1871296 | 1.42 | cps |
| Terbium | 159-1 | 10921004 | 10863790 | 10813618 | 10866137 | 0.49 | cps |
| Terbium | 159-2 | 7059251 | 6923512 | 6911194 | 6964652 | 1.18 | cps |
| Thallium | 203-1 | 4364 | 4437 | 4377 | 4393 | 0.89 | cps |
| Thallium | 205-1 | 10191 | 10454 | 10484 | 10376 | 1.56 | cps |
| Tin | 118-1 | 45893 | 45880 | 46053 | 45942 | 0.21 | cps |
| Titanium | 47-1 | 468456 | 474496 | 471440 | 471464 | 0.64 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-05 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:40:21 | DataFile Name : | 065SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 99286 | 103216 | 99387 | 100630 | 2.23 | cps |
| Vanadium | 51-2 | 403346 | 401569 | 398635 | 401183 | 0.59 | cps |
| Yttrium | 89-1 | 17196050 | 17283331 | 17377851 | 17285744 | 0.53 | cps |
| Yttrium | 89-2 | 3914208 | 3902145 | 3838404 | 3884919 | 1.05 | cps |
| Zinc | 66-2 | 679493 | 668871 | 669884 | 672749 | 0.87 | cps |
| Zirconium | 90-1 | 125958 | 131599 | 128879 | 128812 | 2.19 | cps |
| Zirconium | 91-1 | 27893 | 29253 | 28291 | 28479 | 2.45 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-05DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:48:23 | DataFile Name : | 067SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 656979 | 668748 | 669798 | 665175 | 1.07 | cps |
| Antimony | 121-1 | 4044 | 4111 | 4067 | 4074 | 0.83 | cps |
| Arsenic | 75-2 | 16846 | 16419 | 16726 | 16664 | 1.32 | cps |
| Barium | 135-1 | 91814 | 92199 | 94028 | 92680 | 1.28 | cps |
| Barium | 137-1 | 156421 | 161962 | 158866 | 159083 | 1.75 | cps |
| Beryllium | 9-1 | 1157 | 1117 | 1177 | 1150 | 2.66 | cps |
| Bismuth | 209-1 | 5726609 | 5697660 | 5567023 | 5663764 | 1.50 | cps |
| Bismuth | 209-2 | 4706800 | 4735292 | 4855023 | 4765705 | 1.65 | cps |
| Bromine | 81-1 | 11274 | 11788 | 11481 | 11515 | 2.24 | cps |
| Bromine | 81-2 | 717 | 810 | 733 | 753 | 6.61 | cps |
| Cadmium | 108-1 | 227 | 277 | 257 | 253 | 9.93 | cps |
| Cadmium | 106-1 | 2700 | 2914 | 2737 | 2784 | 4.10 | cps |
| Cadmium | 111-1 | 5162 | 5346 | 5127 | 5212 | 2.26 | cps |
| Calcium | 43-1 | 58352 | 60660 | 58974 | 59329 | 2.01 | cps |
| Calcium | 44-1 | 942002 | 946192 | 946103 | 944766 | 0.25 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 35017 | 35061 | 35492 | 35190 | 0.75 | cps |
| Cobalt | 59-2 | 158447 | 160434 | 160808 | 159896 | 0.79 | cps |
| Copper | 63-2 | 113359 | 112513 | 111791 | 112554 | 0.70 | cps |
| Dysprosium | 156-1 | 47155 | 46550 | 46149 | 46618 | 1.09 | cps |
| Dysprosium | 156-2 | 34770 | 35458 | 35659 | 35295 | 1.32 | cps |
| Erbium | 164-1 | 46414 | 45537 | 47183 | 46378 | 1.78 | cps |
| Erbium | 164-2 | 31462 | 30994 | 31061 | 31173 | 0.81 | cps |
| Gadolinium | 160-1 | 49306 | 49056 | 49216 | 49193 | 0.26 | cps |
| Gadolinium | 160-2 | 34329 | 35478 | 35378 | 35062 | 1.82 | cps |
| Holmium | 165-1 | 9696528 | 9824727 | 9763859 | 9761705 | 0.66 | cps |
| Holmium | 165-2 | 6556204 | 6622944 | 6645304 | 6608151 | 0.70 | cps |
| Indium | 115-1 | 8654629 | 8626868 | 8728443 | 8669980 | 0.61 | cps |
| Indium | 115-2 | 2696212 | 2645941 | 2666715 | 2669623 | 0.95 | cps |
| Iron | 56-2 | 47991081 | 47956254 | 48397723 | 48115019 | 0.51 | cps |
| Iron | 57-2 | 1242261 | 1248185 | 1238997 | 1243148 | 0.37 | cps |
| Iron | 54-2 | 2651154 | 2577265 | 2615328 | 2614582 | 1.41 | cps |
| Krypton | 83-1 | 257 | 283 | 280 | 273 | 5.32 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-05DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:48:23 | DataFile Name : | 067SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 449671 | 445785 | 452785 | 449414 | 0.78 | cps |
| Lead | 207-1 | 375492 | 383997 | 378854 | 379447 | 1.13 | cps |
| Lead | 208-1 | 1728886 | 1757062 | 1737113 | 1741021 | 0.83 | cps |
| Lithium | 6-1 | 1491967 | 1484146 | 1467872 | 1481328 | 0.83 | cps |
| Magnesium | 24-2 | 248641 | 248385 | 251401 | 249476 | 0.67 | cps |
| Manganese | 55-2 | 203814 | 206035 | 206282 | 205377 | 0.66 | cps |
| Molybdenum | 94-1 | 16353 | 16690 | 15905 | 16316 | 2.41 | cps |
| Molybdenum | 95-1 | 13049 | 12565 | 12816 | 12810 | 1.89 | cps |
| Molybdenum | 96-1 | 15935 | 16022 | 15592 | 15850 | 1.44 | cps |
| Molybdenum | 97-1 | 7719 | 7932 | 7802 | 7818 | 1.38 | cps |
| Molybdenum | 98-1 | 20354 | 20161 | 20181 | 20232 | 0.53 | cps |
| Neodymium | 150-1 | 62307 | 63954 | 62136 | 62799 | 1.60 | cps |
| Neodymium | 150-2 | 35652 | 35505 | 35441 | 35533 | 0.30 | cps |
| Nickel | 60-2 | 15365 | 15595 | 15311 | 15424 | 0.98 | cps |
| Phosphorus | 31-2 | 2387 | 2420 | 2397 | 2401 | 0.71 | cps |
| Potassium | 39-2 | 124208 | 125805 | 125576 | 125196 | 0.69 | cps |
| Rhodium | 103-1 | 8047716 | 8346841 | 8135915 | 8176824 | 1.88 | cps |
| Rhodium | 103-2 | 4517644 | 4579754 | 4473466 | 4523621 | 1.18 | cps |
| Scandium | 45-1 | 5540379 | 5303766 | 5355618 | 5399921 | 2.30 | cps |
| Scandium | 45-2 | 386185 | 386143 | 389759 | 387362 | 0.54 | cps |
| Selenium | 82-1 | 420 | 425 | 450 | 432 | 3.67 | cps |
| Selenium | 77-2 | 140 | 127 | 133 | 133 | 5.00 | cps |
| Selenium | 78-2 | 313 | 327 | 327 | 322 | 2.39 | cps |
| Silicon | 28-1 | 5573149 | 5410846 | 5544286 | 5509427 | 1.57 | cps |
| Silver | 107-1 | 191530 | 195584 | 195390 | 194168 | 1.18 | cps |
| Silver | 109-1 | 181867 | 187514 | 184246 | 184542 | 1.54 | cps |
| Sodium | 23-2 | 152190 | 154733 | 156200 | 154375 | 1.31 | cps |
| Strontium | 86-1 | 50938 | 52791 | 52065 | 51931 | 1.80 | cps |
| Strontium | 88-1 | 435175 | 447250 | 449478 | 443968 | 1.73 | cps |
| Sulfur | 34-1 | 495985 | 485757 | 495741 | 492494 | 1.18 | cps |
| Terbium | 159-1 | 10277215 | 10401913 | 10035255 | 10238128 | 1.82 | cps |
| Terbium | 159-2 | 6528031 | 6569978 | 6676500 | 6591503 | 1.16 | cps |
| Thallium | 203-1 | 920 | 930 | 860 | 903 | 4.19 | cps |
| Thallium | 205-1 | 2160 | 1984 | 1983 | 2042 | 5.00 | cps |
| Tin | 118-1 | 8943 | 9463 | 9543 | 9316 | 3.50 | cps |
| Titanium | 47-1 | 88038 | 91193 | 88343 | 89191 | 1.95 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-05DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:48:23 | DataFile Name : | 067SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 18126 | 19004 | 18680 | 18603 | 2.39 | cps |
| Vanadium | 51-2 | 77132 | 77655 | 76864 | 77217 | 0.52 | cps |
| Yttrium | 89-1 | 12246127 | 12260392 | 12310031 | 12272183 | 0.27 | cps |
| Yttrium | 89-2 | 2875770 | 2858719 | 2816790 | 2850426 | 1.06 | cps |
| Zinc | 66-2 | 127822 | 128141 | 129163 | 128375 | 0.55 | cps |
| Zirconium | 90-1 | 25041 | 23956 | 25522 | 24840 | 3.23 | cps |
| Zirconium | 91-1 | 5624 | 5865 | 5508 | 5666 | 3.21 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-06 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:51:39 | DataFile Name : | 068SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1714574 | 1700003 | 1724406 | 1712995 | 0.72 | cps |
| Antimony | 121-1 | 3861 | 3771 | 4011 | 3881 | 3.13 | cps |
| Arsenic | 75-2 | 22801 | 22624 | 22868 | 22764 | 0.55 | cps |
| Barium | 135-1 | 153585 | 154155 | 151528 | 153089 | 0.90 | cps |
| Barium | 137-1 | 266933 | 263784 | 260135 | 263617 | 1.29 | cps |
| Beryllium | 9-1 | 3951 | 3670 | 3707 | 3776 | 4.03 | cps |
| Bismuth | 209-1 | 6042868 | 5899099 | 6031026 | 5990998 | 1.33 | cps |
| Bismuth | 209-2 | 4981082 | 4908323 | 4920477 | 4936627 | 0.79 | cps |
| Bromine | 81-1 | 10107 | 10347 | 10948 | 10467 | 4.14 | cps |
| Bromine | 81-2 | 790 | 737 | 867 | 798 | 8.19 | cps |
| Cadmium | 108-1 | 397 | 260 | 320 | 326 | 21.04 | cps |
| Cadmium | 106-1 | 3874 | 3424 | 3447 | 3582 | 7.08 | cps |
| Cadmium | 111-1 | 5301 | 5042 | 5096 | 5146 | 2.66 | cps |
| Calcium | 43-1 | 65189 | 66023 | 65048 | 65420 | 0.80 | cps |
| Calcium | 44-1 | 1063546 | 1064570 | 1053473 | 1060530 | 0.58 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 108000 | 107094 | 107000 | 107365 | 0.51 | cps |
| Cobalt | 59-2 | 304108 | 300254 | 300679 | 301680 | 0.70 | cps |
| Copper | 63-2 | 87735 | 88852 | 88620 | 88402 | 0.67 | cps |
| Dysprosium | 156-1 | 168542 | 169119 | 166603 | 168088 | 0.78 | cps |
| Dysprosium | 156-2 | 122762 | 123252 | 122963 | 122992 | 0.20 | cps |
| Erbium | 164-1 | 172137 | 171543 | 168271 | 170650 | 1.22 | cps |
| Erbium | 164-2 | 114220 | 113853 | 115311 | 114461 | 0.66 | cps |
| Gadolinium | 160-1 | 178303 | 178429 | 177601 | 178111 | 0.25 | cps |
| Gadolinium | 160-2 | 125247 | 124709 | 125533 | 125163 | 0.33 | cps |
| Holmium | 165-1 | 10509375 | 10228615 | 10231569 | 10323186 | 1.56 | cps |
| Holmium | 165-2 | 7046085 | 6903284 | 6872936 | 6940768 | 1.33 | cps |
| Indium | 115-1 | 8822291 | 8962710 | 8779946 | 8854983 | 1.08 | cps |
| Indium | 115-2 | 2808639 | 2724192 | 2740085 | 2757639 | 1.63 | cps |
| Iron | 56-2 | 55235311 | 54207056 | 53622323 | 54354896 | 1.50 | cps |
| Iron | 57-2 | 1387942 | 1351468 | 1368672 | 1369361 | 1.33 | cps |
| Iron | 54-2 | 3016327 | 3031023 | 2982098 | 3009816 | 0.83 | cps |
| Krypton | 83-1 | 450 | 423 | 447 | 440 | 3.30 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-06 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:51:39 | DataFile Name : | 068SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 377676 | 376177 | 376431 | 376761 | 0.21 | cps |
| Lead | 207-1 | 324376 | 321973 | 324351 | 323567 | 0.43 | cps |
| Lead | 208-1 | 1496006 | 1483726 | 1486140 | 1488624 | 0.44 | cps |
| Lithium | 6-1 | 1604025 | 1574722 | 1578440 | 1585729 | 1.01 | cps |
| Magnesium | 24-2 | 344108 | 338337 | 342974 | 341806 | 0.89 | cps |
| Manganese | 55-2 | 187753 | 185820 | 185897 | 186490 | 0.59 | cps |
| Molybdenum | 94-1 | 39991 | 39824 | 40001 | 39939 | 0.25 | cps |
| Molybdenum | 95-1 | 27897 | 27954 | 27526 | 27792 | 0.84 | cps |
| Molybdenum | 96-1 | 34133 | 34982 | 34678 | 34598 | 1.24 | cps |
| Molybdenum | 97-1 | 17073 | 17541 | 17317 | 17310 | 1.35 | cps |
| Molybdenum | 98-1 | 45089 | 44437 | 44621 | 44716 | 0.75 | cps |
| Neodymium | 150-1 | 227234 | 227840 | 223691 | 226255 | 0.99 | cps |
| Neodymium | 150-2 | 125167 | 123997 | 124966 | 124710 | 0.50 | cps |
| Nickel | 60-2 | 21185 | 21162 | 21355 | 21234 | 0.50 | cps |
| Phosphorus | 31-2 | 7872 | 8019 | 8146 | 8012 | 1.71 | cps |
| Potassium | 39-2 | 336560 | 335182 | 331490 | 334411 | 0.78 | cps |
| Rhodium | 103-1 | 8434987 | 8369123 | 8255624 | 8353245 | 1.09 | cps |
| Rhodium | 103-2 | 4618651 | 4686708 | 4596702 | 4634020 | 1.01 | cps |
| Scandium | 45-1 | 5627126 | 5622066 | 5624365 | 5624519 | 0.05 | cps |
| Scandium | 45-2 | 399415 | 391821 | 390525 | 393920 | 1.22 | cps |
| Selenium | 82-1 | 569 | 647 | 694 | 637 | 9.96 | cps |
| Selenium | 77-2 | 503 | 420 | 437 | 453 | 9.73 | cps |
| Selenium | 78-2 | 450 | 593 | 483 | 509 | 14.74 | cps |
| Silicon | 28-1 | 18651148 | 18554211 | 18466446 | 18557268 | 0.50 | cps |
| Silver | 107-1 | 2844 | 2510 | 3088 | 2814 | 10.31 | cps |
| Silver | 109-1 | 2134 | 2270 | 2344 | 2249 | 4.74 | cps |
| Sodium | 23-2 | 244846 | 245702 | 245472 | 245340 | 0.18 | cps |
| Strontium | 86-1 | 56367 | 55638 | 55979 | 55995 | 0.65 | cps |
| Strontium | 88-1 | 485777 | 479442 | 482720 | 482646 | 0.66 | cps |
| Sulfur | 34-1 | 395255 | 396320 | 385922 | 392499 | 1.46 | cps |
| Terbium | 159-1 | 10820528 | 10769679 | 10496174 | 10695460 | 1.63 | cps |
| Terbium | 159-2 | 6899233 | 6932881 | 6769052 | 6867055 | 1.26 | cps |
| Thallium | 203-1 | 8046 | 7419 | 7489 | 7651 | 4.49 | cps |
| Thallium | 205-1 | 17825 | 17798 | 17631 | 17752 | 0.59 | cps |
| Tin | 118-1 | 94732 | 93947 | 92364 | 93681 | 1.29 | cps |
| Titanium | 47-1 | 323958 | 326960 | 326293 | 325737 | 0.48 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-06 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:51:39 | DataFile Name : | 068SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 65885 | 65269 | 65701 | 65618 | 0.48 | cps |
| Vanadium | 51-2 | 96982 | 96234 | 95953 | 96390 | 0.55 | cps |
| Yttrium | 89-1 | 14502194 | 14100871 | 14226038 | 14276367 | 1.44 | cps |
| Yttrium | 89-2 | 3299883 | 3217200 | 3148617 | 3221900 | 2.35 | cps |
| Zinc | 66-2 | 423375 | 421153 | 422200 | 422243 | 0.26 | cps |
| Zirconium | 90-1 | 65596 | 64969 | 63349 | 64638 | 1.79 | cps |
| Zirconium | 91-1 | 14844 | 14227 | 14210 | 14427 | 2.50 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-06DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:54:50 | DataFile Name : | 069SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 337015 | 337820 | 335932 | 336922 | 0.28 | cps |
| Antimony | 121-1 | 853 | 880 | 780 | 838 | 6.18 | cps |
| Arsenic | 75-2 | 4327 | 4261 | 4347 | 4312 | 1.05 | cps |
| Barium | 135-1 | 28061 | 28549 | 28926 | 28512 | 1.52 | cps |
| Barium | 137-1 | 49178 | 49382 | 49794 | 49451 | 0.63 | cps |
| Beryllium | 9-1 | 750 | 730 | 687 | 722 | 4.48 | cps |
| Bismuth | 209-1 | 5537095 | 5513265 | 5681967 | 5577442 | 1.64 | cps |
| Bismuth | 209-2 | 4786094 | 4922184 | 4784845 | 4831041 | 1.63 | cps |
| Bromine | 81-1 | 8749 | 8669 | 8282 | 8567 | 2.91 | cps |
| Bromine | 81-2 | 223 | 220 | 250 | 231 | 7.12 | cps |
| Cadmium | 108-1 | 83 | 120 | 57 | 87 | 36.69 | cps |
| Cadmium | 106-1 | 2597 | 2574 | 2517 | 2562 | 1.61 | cps |
| Cadmium | 111-1 | 2310 | 2238 | 2242 | 2263 | 1.78 | cps |
| Calcium | 43-1 | 11895 | 12709 | 12305 | 12303 | 3.31 | cps |
| Calcium | 44-1 | 201308 | 199174 | 202599 | 201027 | 0.86 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 21031 | 20517 | 20634 | 20728 | 1.30 | cps |
| Cobalt | 59-2 | 58597 | 58339 | 57537 | 58158 | 0.95 | cps |
| Copper | 63-2 | 18051 | 17147 | 17714 | 17637 | 2.59 | cps |
| Dysprosium | 156-1 | 30994 | 31936 | 32391 | 31774 | 2.24 | cps |
| Dysprosium | 156-2 | 23613 | 23393 | 24111 | 23706 | 1.55 | cps |
| Erbium | 164-1 | 31653 | 31930 | 32244 | 31942 | 0.93 | cps |
| Erbium | 164-2 | 21253 | 22301 | 21861 | 21805 | 2.41 | cps |
| Gadolinium | 160-1 | 32925 | 33306 | 32641 | 32958 | 1.01 | cps |
| Gadolinium | 160-2 | 24335 | 24174 | 24415 | 24308 | 0.50 | cps |
| Holmium | 165-1 | 9601156 | 9552317 | 9681697 | 9611723 | 0.68 | cps |
| Holmium | 165-2 | 6709127 | 6801736 | 6724111 | 6744991 | 0.74 | cps |
| Indium | 115-1 | 8255211 | 8325311 | 8642592 | 8407704 | 2.46 | cps |
| Indium | 115-2 | 2653774 | 2677416 | 2664460 | 2665217 | 0.44 | cps |
| Iron | 56-2 | 10344285 | 10574526 | 10364848 | 10427887 | 1.22 | cps |
| Iron | 57-2 | 273019 | 273266 | 270394 | 272227 | 0.58 | cps |
| Iron | 54-2 | 596236 | 596594 | 597841 | 596890 | 0.14 | cps |
| Krypton | 83-1 | 203 | 220 | 240 | 221 | 8.30 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-06DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:54:50 | DataFile Name : | 069SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 70766 | 71041 | 71564 | 71124 | 0.57 | cps |
| Lead | 207-1 | 61113 | 62101 | 60256 | 61157 | 1.51 | cps |
| Lead | 208-1 | 278656 | 279400 | 274592 | 277549 | 0.93 | cps |
| Lithium | 6-1 | 1498353 | 1511081 | 1508831 | 1506088 | 0.45 | cps |
| Magnesium | 24-2 | 65757 | 65696 | 64063 | 65172 | 1.47 | cps |
| Manganese | 55-2 | 35495 | 34904 | 35301 | 35233 | 0.86 | cps |
| Molybdenum | 94-1 | 7549 | 7382 | 7232 | 7387 | 2.15 | cps |
| Molybdenum | 95-1 | 5291 | 5404 | 5301 | 5332 | 1.18 | cps |
| Molybdenum | 96-1 | 6548 | 6522 | 6558 | 6543 | 0.29 | cps |
| Molybdenum | 97-1 | 3304 | 3197 | 3350 | 3284 | 2.39 | cps |
| Molybdenum | 98-1 | 8382 | 8763 | 8736 | 8627 | 2.46 | cps |
| Neodymium | 150-1 | 41839 | 42083 | 42043 | 41988 | 0.31 | cps |
| Neodymium | 150-2 | 23720 | 23413 | 23814 | 23649 | 0.89 | cps |
| Nickel | 60-2 | 4247 | 4287 | 4221 | 4252 | 0.79 | cps |
| Phosphorus | 31-2 | 1663 | 1840 | 1617 | 1707 | 6.90 | cps |
| Potassium | 39-2 | 101666 | 103106 | 101489 | 102087 | 0.87 | cps |
| Rhodium | 103-1 | 8266958 | 8175847 | 7837106 | 8093304 | 2.80 | cps |
| Rhodium | 103-2 | 4668251 | 4523259 | 4626476 | 4605995 | 1.62 | cps |
| Scandium | 45-1 | 5043414 | 5107444 | 5345808 | 5165556 | 3.08 | cps |
| Scandium | 45-2 | 378340 | 382856 | 377435 | 379543 | 0.77 | cps |
| Selenium | 82-1 | 472 | 432 | 439 | 448 | 4.78 | cps |
| Selenium | 77-2 | 103 | 60 | 83 | 82 | 26.38 | cps |
| Selenium | 78-2 | 343 | 280 | 273 | 299 | 12.93 | cps |
| Silicon | 28-1 | 3704856 | 3615238 | 3738573 | 3686222 | 1.73 | cps |
| Silver | 107-1 | 520 | 600 | 513 | 544 | 8.86 | cps |
| Silver | 109-1 | 503 | 407 | 510 | 473 | 12.22 | cps |
| Sodium | 23-2 | 56778 | 56433 | 56533 | 56581 | 0.31 | cps |
| Strontium | 86-1 | 10380 | 10551 | 10761 | 10564 | 1.80 | cps |
| Strontium | 88-1 | 88041 | 89283 | 88313 | 88546 | 0.74 | cps |
| Sulfur | 34-1 | 193137 | 192841 | 194906 | 193628 | 0.58 | cps |
| Terbium | 159-1 | 10230949 | 10169679 | 10042371 | 10147666 | 0.95 | cps |
| Terbium | 159-2 | 6672200 | 6585770 | 6571743 | 6609904 | 0.82 | cps |
| Thallium | 203-1 | 1460 | 1490 | 1533 | 1495 | 2.47 | cps |
| Thallium | 205-1 | 3481 | 3497 | 3464 | 3480 | 0.48 | cps |
| Tin | 118-1 | 18091 | 18512 | 17494 | 18032 | 2.84 | cps |
| Titanium | 47-1 | 61682 | 61026 | 62040 | 61583 | 0.84 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-06DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 19:54:50 | DataFile Name : | 069SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 12219 | 11972 | 12309 | 12167 | 1.43 | cps |
| Vanadium | 51-2 | 18501 | 19096 | 18925 | 18841 | 1.62 | cps |
| Yttrium | 89-1 | 11541212 | 11430571 | 11497083 | 11489622 | 0.48 | cps |
| Yttrium | 89-2 | 2710582 | 2795076 | 2726037 | 2743898 | 1.64 | cps |
| Zinc | 66-2 | 80040 | 80757 | 79765 | 80187 | 0.64 | cps |
| Zirconium | 90-1 | 11872 | 12215 | 12195 | 12094 | 1.59 | cps |
| Zirconium | 91-1 | 2647 | 2754 | 2680 | 2694 | 2.03 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-07 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:58:07 | DataFile Name : | 070SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1509789 | 1531550 | 1486637 | 1509325 | 1.49 | cps |
| Antimony | 121-1 | 2460 | 2490 | 2304 | 2418 | 4.15 | cps |
| Arsenic | 75-2 | 4111 | 3981 | 4047 | 4046 | 1.61 | cps |
| Barium | 135-1 | 100139 | 97212 | 98945 | 98765 | 1.49 | cps |
| Barium | 137-1 | 173869 | 171214 | 164682 | 169922 | 2.78 | cps |
| Beryllium | 9-1 | 1450 | 1297 | 1307 | 1351 | 6.35 | cps |
| Bismuth | 209-1 | 5686047 | 5764757 | 5900368 | 5783724 | 1.87 | cps |
| Bismuth | 209-2 | 4925264 | 4926513 | 4828405 | 4893394 | 1.15 | cps |
| Bromine | 81-1 | 12622 | 14297 | 14878 | 13932 | 8.41 | cps |
| Bromine | 81-2 | 1740 | 1777 | 1700 | 1739 | 2.21 | cps |
| Cadmium | 108-1 | 120 | 127 | 113 | 120 | 5.55 | cps |
| Cadmium | 106-1 | 3907 | 3764 | 3634 | 3768 | 3.63 | cps |
| Cadmium | 111-1 | 3851 | 3686 | 3491 | 3676 | 4.90 | cps |
| Calcium | 43-1 | 54528 | 54949 | 52374 | 53950 | 2.56 | cps |
| Calcium | 44-1 | 875993 | 882266 | 891505 | 883255 | 0.88 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 85427 | 84234 | 83560 | 84407 | 1.12 | cps |
| Cobalt | 59-2 | 145218 | 145612 | 142163 | 144331 | 1.31 | cps |
| Copper | 63-2 | 121193 | 119977 | 119056 | 120075 | 0.89 | cps |
| Dysprosium | 156-1 | 364170 | 355612 | 358348 | 359377 | 1.22 | cps |
| Dysprosium | 156-2 | 268855 | 269435 | 267750 | 268680 | 0.32 | cps |
| Erbium | 164-1 | 335904 | 336357 | 339269 | 337176 | 0.54 | cps |
| Erbium | 164-2 | 228523 | 224503 | 225674 | 226234 | 0.91 | cps |
| Gadolinium | 160-1 | 393249 | 396070 | 389101 | 392807 | 0.89 | cps |
| Gadolinium | 160-2 | 275394 | 275912 | 274169 | 275158 | 0.33 | cps |
| Holmium | 165-1 | 10507983 | 9994940 | 10095402 | 10199442 | 2.67 | cps |
| Holmium | 165-2 | 7114045 | 6828633 | 7027708 | 6990129 | 2.09 | cps |
| Indium | 115-1 | 8827614 | 8521267 | 8461159 | 8603347 | 2.28 | cps |
| Indium | 115-2 | 2779786 | 2731053 | 2674773 | 2728537 | 1.93 | cps |
| Iron | 56-2 | 39929474 | 39017424 | 39206385 | 39384428 | 1.22 | cps |
| Iron | 57-2 | 1034858 | 1023478 | 1021293 | 1026543 | 0.71 | cps |
| Iron | 54-2 | 2182411 | 2192193 | 2149749 | 2174785 | 1.02 | cps |
| Krypton | 83-1 | 687 | 657 | 680 | 674 | 2.34 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-07 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:58:07 | DataFile Name : | 070SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 204361 | 201269 | 204584 | 203404 | 0.91 | cps |
| Lead | 207-1 | 172350 | 171946 | 170992 | 171763 | 0.41 | cps |
| Lead | 208-1 | 793048 | 792911 | 796966 | 794308 | 0.29 | cps |
| Lithium | 6-1 | 1572772 | 1608054 | 1646024 | 1608950 | 2.28 | cps |
| Magnesium | 24-2 | 701661 | 687085 | 694800 | 694515 | 1.05 | cps |
| Manganese | 55-2 | 803817 | 795147 | 785245 | 794736 | 1.17 | cps |
| Molybdenum | 94-1 | 23669 | 23429 | 23633 | 23577 | 0.55 | cps |
| Molybdenum | 95-1 | 2784 | 2760 | 2840 | 2795 | 1.47 | cps |
| Molybdenum | 96-1 | 7632 | 7419 | 7302 | 7451 | 2.25 | cps |
| Molybdenum | 97-1 | 1863 | 1707 | 1773 | 1781 | 4.41 | cps |
| Molybdenum | 98-1 | 4394 | 4511 | 4444 | 4450 | 1.32 | cps |
| Neodymium | 150-1 | 602054 | 607300 | 598566 | 602640 | 0.73 | cps |
| Neodymium | 150-2 | 334290 | 334937 | 334251 | 334493 | 0.12 | cps |
| Nickel | 60-2 | 23091 | 22871 | 22407 | 22790 | 1.53 | cps |
| Phosphorus | 31-2 | 3367 | 3330 | 3200 | 3299 | 2.66 | cps |
| Potassium | 39-2 | 384907 | 379775 | 382417 | 382366 | 0.67 | cps |
| Rhodium | 103-1 | 8360596 | 8073226 | 8046558 | 8160127 | 2.13 | cps |
| Rhodium | 103-2 | 4668075 | 4500117 | 4554945 | 4574379 | 1.87 | cps |
| Scandium | 45-1 | 5481800 | 5423348 | 5416005 | 5440384 | 0.66 | cps |
| Scandium | 45-2 | 392783 | 386357 | 384161 | 387767 | 1.16 | cps |
| Selenium | 82-1 | 912 | 999 | 995 | 969 | 5.07 | cps |
| Selenium | 77-2 | 1007 | 980 | 990 | 992 | 1.36 | cps |
| Selenium | 78-2 | 870 | 857 | 890 | 872 | 1.92 | cps |
| Silicon | 28-1 | 18130720 | 19032603 | 19834856 | 18999393 | 4.49 | cps |
| Silver | 107-1 | 8176 | 8546 | 8393 | 8371 | 2.22 | cps |
| Silver | 109-1 | 7919 | 7852 | 7916 | 7896 | 0.48 | cps |
| Sodium | 23-2 | 356922 | 351074 | 353929 | 353975 | 0.83 | cps |
| Strontium | 86-1 | 43825 | 44216 | 42695 | 43579 | 1.81 | cps |
| Strontium | 88-1 | 372531 | 371187 | 367772 | 370497 | 0.66 | cps |
| Sulfur | 34-1 | 216005 | 211291 | 212054 | 213117 | 1.19 | cps |
| Terbium | 159-1 | 10785283 | 10463708 | 10414644 | 10554545 | 1.91 | cps |
| Terbium | 159-2 | 6872870 | 6798119 | 6879555 | 6850181 | 0.66 | cps |
| Thallium | 203-1 | 1953 | 1880 | 1837 | 1890 | 3.12 | cps |
| Thallium | 205-1 | 4371 | 4547 | 4487 | 4469 | 2.01 | cps |
| Tin | 118-1 | 19206 | 18899 | 18569 | 18891 | 1.69 | cps |
| Titanium | 47-1 | 276945 | 266258 | 267474 | 270226 | 2.17 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-07 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0-0.5-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 19:58:07 | DataFile Name : | 070SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 30234 | 30782 | 29279 | 30098 | 2.53 | cps |
| Vanadium | 51-2 | 79977 | 78875 | 78955 | 79269 | 0.78 | cps |
| Yttrium | 89-1 | 16375000 | 16209062 | 16490239 | 16358100 | 0.86 | cps |
| Yttrium | 89-2 | 3743705 | 3751188 | 3757057 | 3750650 | 0.18 | cps |
| Zinc | 66-2 | 56536 | 55867 | 56700 | 56368 | 0.78 | cps |
| Zirconium | 90-1 | 60119 | 58864 | 59714 | 59566 | 1.08 | cps |
| Zirconium | 91-1 | 13309 | 13123 | 13156 | 13196 | 0.75 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-07DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:01:20 | DataFile Name : | 071SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 291370 | 293759 | 288236 | 291121 | 0.95 | cps |
| Antimony | 121-1 | 470 | 460 | 547 | 492 | 9.63 | cps |
| Arsenic | 75-2 | 813 | 717 | 823 | 784 | 7.51 | cps |
| Barium | 135-1 | 17765 | 18526 | 18232 | 18174 | 2.11 | cps |
| Barium | 137-1 | 32223 | 31792 | 31695 | 31904 | 0.88 | cps |
| Beryllium | 9-1 | 363 | 263 | 257 | 294 | 20.29 | cps |
| Bismuth | 209-1 | 5548916 | 5819160 | 5551809 | 5639962 | 2.75 | cps |
| Bismuth | 209-2 | 4698704 | 4679100 | 4765802 | 4714535 | 0.96 | cps |
| Bromine | 81-1 | 9773 | 10114 | 9513 | 9800 | 3.07 | cps |
| Bromine | 81-2 | 430 | 403 | 463 | 432 | 6.96 | cps |
| Cadmium | 108-1 | 30 | 37 | 30 | 32 | 11.95 | cps |
| Cadmium | 106-1 | 2497 | 2487 | 2447 | 2477 | 1.07 | cps |
| Cadmium | 111-1 | 1964 | 1972 | 1862 | 1932 | 3.17 | cps |
| Calcium | 43-1 | 10387 | 10063 | 10357 | 10269 | 1.74 | cps |
| Calcium | 44-1 | 166848 | 175714 | 167080 | 169881 | 2.97 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 16723 | 16095 | 16009 | 16276 | 2.39 | cps |
| Cobalt | 59-2 | 27692 | 27388 | 27996 | 27692 | 1.10 | cps |
| Copper | 63-2 | 22781 | 22764 | 23378 | 22974 | 1.52 | cps |
| Dysprosium | 156-1 | 65864 | 66888 | 66999 | 66584 | 0.94 | cps |
| Dysprosium | 156-2 | 51454 | 50092 | 49999 | 50515 | 1.61 | cps |
| Erbium | 164-1 | 62007 | 63055 | 61588 | 62217 | 1.21 | cps |
| Erbium | 164-2 | 41655 | 43153 | 42264 | 42357 | 1.78 | cps |
| Gadolinium | 160-1 | 72637 | 71897 | 72550 | 72361 | 0.56 | cps |
| Gadolinium | 160-2 | 51745 | 51625 | 51471 | 51614 | 0.27 | cps |
| Holmium | 165-1 | 9380902 | 9484643 | 9378577 | 9414707 | 0.64 | cps |
| Holmium | 165-2 | 6549418 | 6636307 | 6641168 | 6608964 | 0.78 | cps |
| Indium | 115-1 | 8046851 | 8527082 | 8571828 | 8381920 | 3.47 | cps |
| Indium | 115-2 | 2624577 | 2664891 | 2586327 | 2625265 | 1.50 | cps |
| Iron | 56-2 | 7548913 | 7585055 | 7358204 | 7497391 | 1.63 | cps |
| Iron | 57-2 | 195029 | 197555 | 194769 | 195784 | 0.79 | cps |
| Iron | 54-2 | 428330 | 432543 | 424491 | 428455 | 0.94 | cps |
| Krypton | 83-1 | 237 | 250 | 317 | 268 | 16.01 | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-07DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:01:20 | DataFile Name : | 071SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 37074 | 38939 | 38982 | 38332 | 2.84 | cps |
| Lead | 207-1 | 31102 | 32940 | 32322 | 32121 | 2.91 | cps |
| Lead | 208-1 | 147442 | 150186 | 149518 | 149049 | 0.96 | cps |
| Lithium | 6-1 | 1551291 | 1576287 | 1514424 | 1547334 | 2.01 | cps |
| Magnesium | 24-2 | 132307 | 131167 | 129274 | 130916 | 1.17 | cps |
| Manganese | 55-2 | 149905 | 149017 | 148824 | 149249 | 0.39 | cps |
| Molybdenum | 94-1 | 4537 | 4324 | 4434 | 4432 | 2.41 | cps |
| Molybdenum | 95-1 | 557 | 700 | 557 | 604 | 13.69 | cps |
| Molybdenum | 96-1 | 1387 | 1610 | 1467 | 1488 | 7.61 | cps |
| Molybdenum | 97-1 | 307 | 377 | 387 | 357 | 12.22 | cps |
| Molybdenum | 98-1 | 897 | 1007 | 857 | 920 | 8.44 | cps |
| Neodymium | 150-1 | 112010 | 112410 | 110718 | 111713 | 0.79 | cps |
| Neodymium | 150-2 | 62722 | 63753 | 63784 | 63420 | 0.95 | cps |
| Nickel | 60-2 | 4737 | 4691 | 4637 | 4689 | 1.07 | cps |
| Phosphorus | 31-2 | 760 | 710 | 630 | 700 | 9.37 | cps |
| Potassium | 39-2 | 109316 | 109275 | 110427 | 109673 | 0.60 | cps |
| Rhodium | 103-1 | 7876196 | 7966202 | 8039154 | 7960517 | 1.03 | cps |
| Rhodium | 103-2 | 4427814 | 4458307 | 4399075 | 4428399 | 0.67 | cps |
| Scandium | 45-1 | 5178678 | 5248117 | 5105749 | 5177514 | 1.38 | cps |
| Scandium | 45-2 | 365453 | 370498 | 368046 | 367999 | 0.69 | cps |
| Selenium | 82-1 | 497 | 480 | 473 | 483 | 2.49 | cps |
| Selenium | 77-2 | 177 | 220 | 203 | 200 | 10.93 | cps |
| Selenium | 78-2 | 337 | 370 | 330 | 346 | 6.20 | cps |
| Silicon | 28-1 | 3764277 | 3953551 | 3632917 | 3783582 | 4.26 | cps |
| Silver | 107-1 | 2023 | 2054 | 1860 | 1979 | 5.26 | cps |
| Silver | 109-1 | 1827 | 1880 | 1883 | 1863 | 1.71 | cps |
| Sodium | 23-2 | 76107 | 76559 | 75464 | 76043 | 0.72 | cps |
| Strontium | 86-1 | 8019 | 8246 | 7825 | 8030 | 2.62 | cps |
| Strontium | 88-1 | 69440 | 69279 | 67266 | 68662 | 1.76 | cps |
| Sulfur | 34-1 | 154984 | 157910 | 155441 | 156111 | 1.01 | cps |
| Terbium | 159-1 | 9980219 | 9827168 | 10143429 | 9983606 | 1.58 | cps |
| Terbium | 159-2 | 6535767 | 6593524 | 6540705 | 6556665 | 0.49 | cps |
| Thallium | 203-1 | 417 | 370 | 357 | 381 | 8.27 | cps |
| Thallium | 205-1 | 880 | 867 | 823 | 857 | 3.46 | cps |
| Tin | 118-1 | 3784 | 3981 | 3871 | 3878 | 2.54 | cps |
| Titanium | 47-1 | 50150 | 51196 | 51364 | 50903 | 1.29 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-07DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0-0.5-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:01:20 | DataFile Name : | 071SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 5628 | 5785 | 5871 | 5761 | 2.14 | cps |
| Vanadium | 51-2 | 14984 | 15044 | 14864 | 14964 | 0.61 | cps |
| Yttrium | 89-1 | 11686382 | 11937139 | 11741841 | 11788454 | 1.12 | cps |
| Yttrium | 89-2 | 2772237 | 2794913 | 2714316 | 2760488 | 1.51 | cps |
| Zinc | 66-2 | 10824 | 10937 | 11064 | 10942 | 1.10 | cps |
| Zirconium | 90-1 | 11244 | 11468 | 11334 | 11349 | 0.99 | cps |
| Zirconium | 91-1 | 2570 | 2520 | 2627 | 2572 | 2.08 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:04:37 | DataFile Name : | 072SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2118116 | 2076745 | 2122488 | 2105783 | 1.20 | cps |
| Antimony | 121-1 | 550 | 590 | 677 | 606 | 10.69 | cps |
| Arsenic | 75-2 | 1593 | 1593 | 1590 | 1592 | 0.12 | cps |
| Barium | 135-1 | 125810 | 122300 | 120838 | 122983 | 2.08 | cps |
| Barium | 137-1 | 217614 | 215707 | 213737 | 215686 | 0.90 | cps |
| Beryllium | 9-1 | 1180 | 1093 | 1093 | 1122 | 4.46 | cps |
| Bismuth | 209-1 | 6007342 | 5867423 | 5855872 | 5910212 | 1.43 | cps |
| Bismuth | 209-2 | 4962538 | 4836958 | 4879477 | 4892991 | 1.31 | cps |
| Bromine | 81-1 | 12045 | 12415 | 12929 | 12463 | 3.56 | cps |
| Bromine | 81-2 | 1160 | 1250 | 1283 | 1231 | 5.18 | cps |
| Cadmium | 108-1 | 133 | 137 | 97 | 122 | 18.16 | cps |
| Cadmium | 106-1 | 3147 | 3534 | 3090 | 3257 | 7.41 | cps |
| Cadmium | 111-1 | 2340 | 2568 | 2316 | 2408 | 5.79 | cps |
| Calcium | 43-1 | 29031 | 29896 | 29462 | 29463 | 1.47 | cps |
| Calcium | 44-1 | 485789 | 476533 | 477556 | 479960 | 1.06 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 134084 | 133415 | 134457 | 133985 | 0.39 | cps |
| Cobalt | 59-2 | 23979 | 23378 | 23669 | 23675 | 1.27 | cps |
| Copper | 63-2 | 89304 | 89636 | 89486 | 89476 | 0.19 | cps |
| Dysprosium | 156-1 | 157058 | 154641 | 152775 | 154825 | 1.39 | cps |
| Dysprosium | 156-2 | 120966 | 119877 | 120176 | 120339 | 0.47 | cps |
| Erbium | 164-1 | 151556 | 145438 | 145452 | 147482 | 2.39 | cps |
| Erbium | 164-2 | 100028 | 98823 | 98703 | 99185 | 0.74 | cps |
| Gadolinium | 160-1 | 156803 | 157886 | 157585 | 157425 | 0.36 | cps |
| Gadolinium | 160-2 | 112070 | 111614 | 109505 | 111063 | 1.23 | cps |
| Holmium | 165-1 | 10318211 | 10179871 | 9914494 | 10137525 | 2.02 | cps |
| Holmium | 165-2 | 7006033 | 6903036 | 6913959 | 6941010 | 0.82 | cps |
| Indium | 115-1 | 8845112 | 8574571 | 8544131 | 8654605 | 1.91 | cps |
| Indium | 115-2 | 2723152 | 2696795 | 2699047 | 2706331 | 0.54 | cps |
| Iron | 56-2 | 31888540 | 31968642 | 31122223 | 31659801 | 1.48 | cps |
| Iron | 57-2 | 826103 | 824077 | 815391 | 821857 | 0.69 | cps |
| Iron | 54-2 | 1761674 | 1755759 | 1766347 | 1761260 | 0.30 | cps |
| Krypton | 83-1 | 440 | 363 | 383 | 396 | 10.05 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:04:37 | DataFile Name : | 072SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 107688 | 106366 | 105801 | 106619 | 0.91 | cps |
| Lead | 207-1 | 91451 | 92795 | 93136 | 92461 | 0.96 | cps |
| Lead | 208-1 | 424003 | 421008 | 418827 | 421279 | 0.62 | cps |
| Lithium | 6-1 | 1729679 | 1647867 | 1670291 | 1682612 | 2.51 | cps |
| Magnesium | 24-2 | 530452 | 527156 | 525716 | 527775 | 0.46 | cps |
| Manganese | 55-2 | 231174 | 230624 | 230315 | 230704 | 0.19 | cps |
| Molybdenum | 94-1 | 38033 | 38206 | 37635 | 37958 | 0.77 | cps |
| Molybdenum | 95-1 | 1353 | 1380 | 1290 | 1341 | 3.45 | cps |
| Molybdenum | 96-1 | 8206 | 8372 | 8209 | 8262 | 1.15 | cps |
| Molybdenum | 97-1 | 910 | 857 | 923 | 897 | 3.93 | cps |
| Molybdenum | 98-1 | 2094 | 2247 | 2150 | 2164 | 3.58 | cps |
| Neodymium | 150-1 | 258773 | 251820 | 250678 | 253757 | 1.73 | cps |
| Neodymium | 150-2 | 143004 | 141735 | 139880 | 141540 | 1.11 | cps |
| Nickel | 60-2 | 16719 | 16846 | 15949 | 16505 | 2.94 | cps |
| Phosphorus | 31-2 | 1797 | 1587 | 1660 | 1681 | 6.34 | cps |
| Potassium | 39-2 | 543718 | 547957 | 540927 | 544201 | 0.65 | cps |
| Rhodium | 103-1 | 8227324 | 8522729 | 8349420 | 8366491 | 1.77 | cps |
| Rhodium | 103-2 | 4537225 | 4556401 | 4552664 | 4548763 | 0.22 | cps |
| Scandium | 45-1 | 5859310 | 5713606 | 5659077 | 5743998 | 1.80 | cps |
| Scandium | 45-2 | 407181 | 405232 | 406910 | 406441 | 0.26 | cps |
| Selenium | 82-1 | 558 | 627 | 586 | 590 | 5.90 | cps |
| Selenium | 77-2 | 440 | 400 | 427 | 422 | 4.82 | cps |
| Selenium | 78-2 | 510 | 470 | 500 | 493 | 4.22 | cps |
| Silicon | 28-1 | 25343052 | 24776190 | 24023823 | 24714355 | 2.68 | cps |
| Silver | 107-1 | 2734 | 2674 | 2894 | 2767 | 4.11 | cps |
| Silver | 109-1 | 2554 | 2664 | 2577 | 2598 | 2.23 | cps |
| Sodium | 23-2 | 305070 | 305871 | 302162 | 304368 | 0.64 | cps |
| Strontium | 86-1 | 32105 | 32008 | 31591 | 31901 | 0.86 | cps |
| Strontium | 88-1 | 276180 | 272789 | 273933 | 274301 | 0.63 | cps |
| Sulfur | 34-1 | 149587 | 148473 | 146804 | 148288 | 0.94 | cps |
| Terbium | 159-1 | 10321811 | 10552618 | 10580877 | 10485102 | 1.36 | cps |
| Terbium | 159-2 | 6779154 | 6819036 | 6789913 | 6796035 | 0.30 | cps |
| Thallium | 203-1 | 1777 | 1953 | 1930 | 1887 | 5.09 | cps |
| Thallium | 205-1 | 4547 | 4367 | 4514 | 4476 | 2.14 | cps |
| Tin | 118-1 | 59231 | 59459 | 58317 | 59002 | 1.02 | cps |
| Titanium | 47-1 | 371395 | 354603 | 348434 | 358144 | 3.32 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:04:37 | DataFile Name : | 072SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 57333 | 57021 | 57731 | 57362 | 0.62 | cps |
| Vanadium | 51-2 | 135935 | 137883 | 137251 | 137023 | 0.73 | cps |
| Yttrium | 89-1 | 14686031 | 14432226 | 14071772 | 14396676 | 2.14 | cps |
| Yttrium | 89-2 | 3270328 | 3156410 | 3234235 | 3220324 | 1.81 | cps |
| Zinc | 66-2 | 28284 | 27165 | 27175 | 27541 | 2.33 | cps |
| Zirconium | 90-1 | 103798 | 99692 | 98404 | 100631 | 2.80 | cps |
| Zirconium | 91-1 | 22437 | 23005 | 22744 | 22729 | 1.25 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:07:50 | DataFile Name : | 073SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 403120 | 407410 | 408109 | 406213 | 0.66 | cps |
| Antimony | 121-1 | 167 | 187 | 190 | 181 | 6.97 | cps |
| Arsenic | 75-2 | 263 | 290 | 253 | 269 | 7.05 | cps |
| Barium | 135-1 | 23319 | 23316 | 23643 | 23426 | 0.80 | cps |
| Barium | 137-1 | 40377 | 40715 | 39990 | 40361 | 0.90 | cps |
| Beryllium | 9-1 | 290 | 277 | 240 | 269 | 9.63 | cps |
| Bismuth | 209-1 | 5685526 | 5589666 | 5766755 | 5680649 | 1.56 | cps |
| Bismuth | 209-2 | 4827697 | 4824097 | 4741015 | 4797603 | 1.02 | cps |
| Bromine | 81-1 | 8799 | 9063 | 9363 | 9075 | 3.11 | cps |
| Bromine | 81-2 | 283 | 317 | 343 | 314 | 9.56 | cps |
| Cadmium | 108-1 | 40 | 20 | 20 | 27 | 43.30 | cps |
| Cadmium | 106-1 | 2547 | 2440 | 2454 | 2480 | 2.34 | cps |
| Cadmium | 111-1 | 1818 | 1757 | 1750 | 1775 | 2.10 | cps |
| Calcium | 43-1 | 5771 | 5921 | 5711 | 5801 | 1.87 | cps |
| Calcium | 44-1 | 97814 | 101040 | 100297 | 99717 | 1.69 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 26026 | 25946 | 25612 | 25861 | 0.85 | cps |
| Cobalt | 59-2 | 4554 | 4344 | 4394 | 4431 | 2.48 | cps |
| Copper | 63-2 | 17754 | 17424 | 17620 | 17599 | 0.94 | cps |
| Dysprosium | 156-1 | 28860 | 28739 | 28636 | 28745 | 0.39 | cps |
| Dysprosium | 156-2 | 22819 | 22712 | 22889 | 22806 | 0.39 | cps |
| Erbium | 164-1 | 27387 | 27544 | 27217 | 27382 | 0.60 | cps |
| Erbium | 164-2 | 19046 | 18673 | 19020 | 18913 | 1.10 | cps |
| Gadolinium | 160-1 | 29361 | 29999 | 29023 | 29461 | 1.68 | cps |
| Gadolinium | 160-2 | 21350 | 21654 | 20919 | 21307 | 1.73 | cps |
| Holmium | 165-1 | 9782979 | 9504964 | 9609525 | 9632489 | 1.46 | cps |
| Holmium | 165-2 | 6658153 | 6635487 | 6569148 | 6620929 | 0.70 | cps |
| Indium | 115-1 | 8639236 | 8228308 | 8459723 | 8442422 | 2.44 | cps |
| Indium | 115-2 | 2645085 | 2607187 | 2633283 | 2628519 | 0.74 | cps |
| Iron | 56-2 | 5984431 | 6106382 | 6113298 | 6068037 | 1.19 | cps |
| Iron | 57-2 | 158557 | 158393 | 158196 | 158382 | 0.11 | cps |
| Iron | 54-2 | 346645 | 349542 | 345645 | 347277 | 0.58 | cps |
| Krypton | 83-1 | 170 | 220 | 210 | 200 | 13.23 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:07:50 | DataFile Name : | 073SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 20295 | 20506 | 20305 | 20369 | 0.58 | cps |
| Lead | 207-1 | 17214 | 17588 | 17235 | 17346 | 1.21 | cps |
| Lead | 208-1 | 79167 | 80667 | 78511 | 79448 | 1.39 | cps |
| Lithium | 6-1 | 1497067 | 1562069 | 1571690 | 1543609 | 2.63 | cps |
| Magnesium | 24-2 | 99824 | 99365 | 100023 | 99737 | 0.34 | cps |
| Manganese | 55-2 | 44533 | 44442 | 45084 | 44686 | 0.78 | cps |
| Molybdenum | 94-1 | 6948 | 7038 | 7219 | 7068 | 1.95 | cps |
| Molybdenum | 95-1 | 327 | 313 | 357 | 332 | 6.68 | cps |
| Molybdenum | 96-1 | 1754 | 1630 | 1740 | 1708 | 3.97 | cps |
| Molybdenum | 97-1 | 217 | 220 | 273 | 237 | 13.44 | cps |
| Molybdenum | 98-1 | 590 | 543 | 557 | 563 | 4.27 | cps |
| Neodymium | 150-1 | 46670 | 47031 | 47593 | 47098 | 0.99 | cps |
| Neodymium | 150-2 | 26856 | 27537 | 26548 | 26980 | 1.88 | cps |
| Nickel | 60-2 | 3420 | 3210 | 3317 | 3316 | 3.17 | cps |
| Phosphorus | 31-2 | 557 | 457 | 477 | 497 | 10.65 | cps |
| Potassium | 39-2 | 139815 | 138795 | 138019 | 138876 | 0.65 | cps |
| Rhodium | 103-1 | 7966605 | 8073718 | 7927234 | 7989186 | 0.95 | cps |
| Rhodium | 103-2 | 4498503 | 4457027 | 4393093 | 4449541 | 1.19 | cps |
| Scandium | 45-1 | 5388159 | 5173913 | 5423334 | 5328468 | 2.53 | cps |
| Scandium | 45-2 | 368073 | 367947 | 366691 | 367571 | 0.21 | cps |
| Selenium | 82-1 | 465 | 439 | 417 | 440 | 5.39 | cps |
| Selenium | 77-2 | 70 | 53 | 80 | 68 | 19.88 | cps |
| Selenium | 78-2 | 287 | 260 | 253 | 267 | 6.61 | cps |
| Silicon | 28-1 | 4877525 | 5033230 | 5059947 | 4990234 | 1.97 | cps |
| Silver | 107-1 | 630 | 617 | 497 | 581 | 12.64 | cps |
| Silver | 109-1 | 593 | 527 | 620 | 580 | 8.29 | cps |
| Sodium | 23-2 | 66955 | 67661 | 67487 | 67368 | 0.55 | cps |
| Strontium | 86-1 | 5985 | 6278 | 6288 | 6184 | 2.79 | cps |
| Strontium | 88-1 | 51871 | 51704 | 52018 | 51864 | 0.30 | cps |
| Sulfur | 34-1 | 142214 | 140570 | 140075 | 140953 | 0.79 | cps |
| Terbium | 159-1 | 10259171 | 10037658 | 10056548 | 10117792 | 1.21 | cps |
| Terbium | 159-2 | 6538020 | 6553924 | 6576813 | 6556252 | 0.30 | cps |
| Thallium | 203-1 | 387 | 303 | 390 | 360 | 13.64 | cps |
| Thallium | 205-1 | 860 | 873 | 940 | 891 | 4.81 | cps |
| Tin | 118-1 | 12119 | 12159 | 12536 | 12271 | 1.88 | cps |
| Titanium | 47-1 | 65019 | 65826 | 64724 | 65190 | 0.87 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:07:50 | DataFile Name : | 073SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 10391 | 10998 | 10678 | 10689 | 2.84 | cps |
| Vanadium | 51-2 | 25578 | 26043 | 25652 | 25758 | 0.97 | cps |
| Yttrium | 89-1 | 11546935 | 11684149 | 11573441 | 11601508 | 0.63 | cps |
| Yttrium | 89-2 | 2631893 | 2627426 | 2702399 | 2653906 | 1.58 | cps |
| Zinc | 66-2 | 5825 | 5981 | 5591 | 5799 | 3.39 | cps |
| Zirconium | 90-1 | 19269 | 18992 | 19173 | 19145 | 0.73 | cps |
| Zirconium | 91-1 | 4387 | 4381 | 4177 | 4315 | 2.77 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08DUPDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:11:06 | DataFile Name : | 074SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 408439 | 410177 | 412548 | 410388 | 0.50 | cps |
| Antimony | 121-1 | 6495 | 6815 | 6728 | 6679 | 2.48 | cps |
| Arsenic | 75-2 | 317 | 317 | 307 | 313 | 1.84 | cps |
| Barium | 135-1 | 23433 | 23560 | 24094 | 23695 | 1.48 | cps |
| Barium | 137-1 | 40615 | 40839 | 40986 | 40813 | 0.46 | cps |
| Beryllium | 9-1 | 187 | 227 | 240 | 218 | 12.74 | cps |
| Bismuth | 209-1 | 5634537 | 5647503 | 5560925 | 5614321 | 0.83 | cps |
| Bismuth | 209-2 | 4684802 | 4804055 | 4873504 | 4787454 | 1.99 | cps |
| Bromine | 81-1 | 8386 | 8999 | 8776 | 8720 | 3.56 | cps |
| Bromine | 81-2 | 347 | 367 | 283 | 332 | 13.10 | cps |
| Cadmium | 108-1 | 20 | 40 | 40 | 33 | 34.64 | cps |
| Cadmium | 106-1 | 2614 | 2384 | 2380 | 2459 | 5.44 | cps |
| Cadmium | 111-1 | 1876 | 1724 | 1731 | 1777 | 4.81 | cps |
| Calcium | 43-1 | 5728 | 5835 | 5714 | 5759 | 1.14 | cps |
| Calcium | 44-1 | 97864 | 101165 | 99471 | 99500 | 1.66 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 26293 | 25886 | 26139 | 26106 | 0.79 | cps |
| Cobalt | 59-2 | 4401 | 4524 | 4514 | 4480 | 1.53 | cps |
| Copper | 63-2 | 17721 | 17771 | 17540 | 17677 | 0.68 | cps |
| Dysprosium | 156-1 | 28900 | 29334 | 29538 | 29257 | 1.11 | cps |
| Dysprosium | 156-2 | 22738 | 23026 | 22882 | 22882 | 0.63 | cps |
| Erbium | 164-1 | 27487 | 28138 | 27150 | 27592 | 1.82 | cps |
| Erbium | 164-2 | 18462 | 18749 | 18713 | 18641 | 0.84 | cps |
| Gadolinium | 160-1 | 29541 | 29982 | 29260 | 29595 | 1.23 | cps |
| Gadolinium | 160-2 | 21266 | 21022 | 21013 | 21100 | 0.68 | cps |
| Holmium | 165-1 | 9825680 | 9595761 | 9588250 | 9669897 | 1.40 | cps |
| Holmium | 165-2 | 6469124 | 6704953 | 6710252 | 6628110 | 2.08 | cps |
| Indium | 115-1 | 8521832 | 8329708 | 8579122 | 8476887 | 1.54 | cps |
| Indium | 115-2 | 2598163 | 2609878 | 2685654 | 2631232 | 1.81 | cps |
| Iron | 56-2 | 6171168 | 6171413 | 6188342 | 6176975 | 0.16 | cps |
| Iron | 57-2 | 162849 | 161942 | 161778 | 162190 | 0.36 | cps |
| Iron | 54-2 | 354433 | 352853 | 352727 | 353338 | 0.27 | cps |
| Krypton | 83-1 | 223 | 223 | 247 | 231 | 5.83 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08DUPDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:11:06 | DataFile Name : | 074SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 19624 | 20599 | 20322 | 20182 | 2.49 | cps |
| Lead | 207-1 | 17438 | 17451 | 17291 | 17393 | 0.51 | cps |
| Lead | 208-1 | 79298 | 81901 | 80059 | 80419 | 1.66 | cps |
| Lithium | 6-1 | 1513460 | 1594072 | 1530698 | 1546077 | 2.75 | cps |
| Magnesium | 24-2 | 100579 | 99352 | 100116 | 100016 | 0.62 | cps |
| Manganese | 55-2 | 44853 | 45154 | 44392 | 44800 | 0.86 | cps |
| Molybdenum | 94-1 | 7002 | 7282 | 6892 | 7058 | 2.85 | cps |
| Molybdenum | 95-1 | 487 | 397 | 477 | 453 | 10.88 | cps |
| Molybdenum | 96-1 | 1707 | 1863 | 1830 | 1800 | 4.59 | cps |
| Molybdenum | 97-1 | 280 | 260 | 240 | 260 | 7.69 | cps |
| Molybdenum | 98-1 | 597 | 633 | 760 | 663 | 12.92 | cps |
| Neodymium | 150-1 | 46891 | 48620 | 46901 | 47471 | 2.10 | cps |
| Neodymium | 150-2 | 26435 | 27029 | 26749 | 26738 | 1.11 | cps |
| Nickel | 60-2 | 3084 | 3374 | 3480 | 3313 | 6.20 | cps |
| Phosphorus | 31-2 | 540 | 467 | 527 | 511 | 7.64 | cps |
| Potassium | 39-2 | 147126 | 143956 | 144724 | 145269 | 1.14 | cps |
| Rhodium | 103-1 | 8003538 | 7788787 | 7857703 | 7883343 | 1.39 | cps |
| Rhodium | 103-2 | 4367986 | 4339966 | 4455991 | 4387981 | 1.38 | cps |
| Scandium | 45-1 | 5279704 | 5172287 | 5329917 | 5260636 | 1.53 | cps |
| Scandium | 45-2 | 370668 | 367284 | 365041 | 367664 | 0.77 | cps |
| Selenium | 82-1 | 373 | 387 | 363 | 374 | 3.13 | cps |
| Selenium | 77-2 | 83 | 87 | 73 | 81 | 8.56 | cps |
| Selenium | 78-2 | 247 | 270 | 223 | 247 | 9.46 | cps |
| Silicon | 28-1 | 5088064 | 4805013 | 4897203 | 4930094 | 2.93 | cps |
| Silver | 107-1 | 577 | 687 | 643 | 636 | 8.72 | cps |
| Silver | 109-1 | 620 | 593 | 557 | 590 | 5.39 | cps |
| Sodium | 23-2 | 66573 | 67139 | 67136 | 66949 | 0.49 | cps |
| Strontium | 86-1 | 6515 | 6168 | 6702 | 6461 | 4.19 | cps |
| Strontium | 88-1 | 51808 | 54035 | 51962 | 52602 | 2.37 | cps |
| Sulfur | 34-1 | 142810 | 141656 | 142221 | 142229 | 0.41 | cps |
| Terbium | 159-1 | 10272389 | 9834679 | 9979168 | 10028745 | 2.22 | cps |
| Terbium | 159-2 | 6468319 | 6636487 | 6603439 | 6569415 | 1.36 | cps |
| Thallium | 203-1 | 470 | 440 | 487 | 466 | 5.08 | cps |
| Thallium | 205-1 | 1070 | 1090 | 1133 | 1098 | 2.95 | cps |
| Tin | 118-1 | 11945 | 12035 | 11985 | 11988 | 0.38 | cps |
| Titanium | 47-1 | 68451 | 64554 | 66998 | 66667 | 2.95 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08DUPDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:11:06 | DataFile Name : | 074SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 10895 | 10738 | 10468 | 10700 | 2.02 | cps |
| Vanadium | 51-2 | 26420 | 25839 | 26009 | 26089 | 1.14 | cps |
| Yttrium | 89-1 | 11544522 | 11533664 | 11571421 | 11549869 | 0.17 | cps |
| Yttrium | 89-2 | 2687385 | 2654781 | 2587078 | 2643081 | 1.94 | cps |
| Zinc | 66-2 | 5408 | 5531 | 5624 | 5521 | 1.97 | cps |
| Zirconium | 90-1 | 18802 | 18759 | 18679 | 18747 | 0.33 | cps |
| Zirconium | 91-1 | 4374 | 4291 | 4277 | 4314 | 1.21 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV05 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV05 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:14:21 | DataFile Name : | 075CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5815621 | 5571900 | 5611978 | 5666500 | 2.31 | cps |
| Antimony | 121-1 | 3374896 | 3384023 | 3456231 | 3405050 | 1.31 | cps |
| Arsenic | 75-2 | 162266 | 159433 | 159746 | 160481 | 0.97 | cps |
| Barium | 135-1 | 3916823 | 3992476 | 3975581 | 3961627 | 1.00 | cps |
| Barium | 137-1 | 6767779 | 6809917 | 6991366 | 6856354 | 1.73 | cps |
| Beryllium | 9-1 | 604373 | 632740 | 639150 | 625421 | 2.96 | cps |
| Bismuth | 209-1 | 5383606 | 5307185 | 5386811 | 5359201 | 0.84 | cps |
| Bismuth | 209-2 | 4464174 | 4419324 | 4429314 | 4437604 | 0.53 | cps |
| Bromine | 81-1 | 7909 | 7839 | 7732 | 7827 | 1.14 | cps |
| Bromine | 81-2 | 117 | 67 | 80 | 88 | 29.50 | cps |
| Cadmium | 108-1 | 57062 | 58193 | 57554 | 57603 | 0.98 | cps |
| Cadmium | 106-1 | 84202 | 84266 | 84843 | 84437 | 0.42 | cps |
| Cadmium | 111-1 | 788159 | 787130 | 782961 | 786083 | 0.35 | cps |
| Calcium | 43-1 | 4851938 | 4782764 | 4852816 | 4829173 | 0.83 | cps |
| Calcium | 44-1 | 76872231 | 77310942 | 75254751 | 76479308 | 1.42 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1158244 | 1153007 | 1144592 | 1151948 | 0.60 | cps |
| Cobalt | 59-2 | 1813278 | 1743809 | 1744949 | 1767345 | 2.25 | cps |
| Copper | 63-2 | 12189464 | 11632071 | 11824937 | 11882157 | 2.38 | cps |
| Dysprosium | 156-1 | 260 | 217 | 220 | 232 | 10.39 | cps |
| Dysprosium | 156-2 | 293 | 267 | 287 | 282 | 4.92 | cps |
| Erbium | 164-1 | 257 | 247 | 237 | 247 | 4.05 | cps |
| Erbium | 164-2 | 160 | 160 | 183 | 168 | 8.03 | cps |
| Gadolinium | 160-1 | 187 | 190 | 250 | 209 | 17.06 | cps |
| Gadolinium | 160-2 | 377 | 450 | 320 | 382 | 17.05 | cps |
| Holmium | 165-1 | 9637414 | 9505612 | 9591205 | 9578077 | 0.70 | cps |
| Holmium | 165-2 | 6689683 | 6484279 | 6511158 | 6561707 | 1.70 | cps |
| Indium | 115-1 | 8154445 | 7872024 | 7852704 | 7959724 | 2.12 | cps |
| Indium | 115-2 | 2516081 | 2501428 | 2415414 | 2477641 | 2.20 | cps |
| Iron | 56-2 | 245265656 | 244214396 | 242539756 | 244006603 | 0.56 | cps |
| Iron | 57-2 | 6053970 | 6040262 | 5977239 | 6023824 | 0.68 | cps |
| Iron | 54-2 | 13169955 | 13322130 | 12849691 | 13113925 | 1.84 | cps |
| Krypton | 83-1 | 207 | 190 | 227 | 208 | 8.84 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV05 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV05 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:14:21 | DataFile Name : | 075CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10196714 | 10456595 | 10447236 | 10366848 | 1.42 | cps |
| Lead | 207-1 | 8960029 | 9187875 | 9323415 | 9157106 | 2.01 | cps |
| Lead | 208-1 | 40610958 | 41269033 | 41685175 | 41188389 | 1.32 | cps |
| Lithium | 6-1 | 1554751 | 1609489 | 1679666 | 1614635 | 3.88 | cps |
| Magnesium | 24-2 | 51042178 | 51064154 | 49852636 | 50652989 | 1.37 | cps |
| Manganese | 55-2 | 8096777 | 8052219 | 7897975 | 8015657 | 1.30 | cps |
| Molybdenum | 94-1 | 12525324 | 12327705 | 12285704 | 12379577 | 1.03 | cps |
| Molybdenum | 95-1 | 18138419 | 17899666 | 17636164 | 17891417 | 1.40 | cps |
| Molybdenum | 96-1 | 19348550 | 19621399 | 19291830 | 19420593 | 0.91 | cps |
| Molybdenum | 97-1 | 11268939 | 11107379 | 11140072 | 11172130 | 0.76 | cps |
| Molybdenum | 98-1 | 28978712 | 28760798 | 28137999 | 28625836 | 1.52 | cps |
| Neodymium | 150-1 | 253 | 307 | 300 | 287 | 10.14 | cps |
| Neodymium | 150-2 | 127 | 100 | 90 | 106 | 17.96 | cps |
| Nickel | 60-2 | 436016 | 430301 | 432124 | 432814 | 0.67 | cps |
| Phosphorus | 31-2 | 67250 | 67324 | 66393 | 66989 | 0.77 | cps |
| Potassium | 39-2 | 30294161 | 29923252 | 29811188 | 30009534 | 0.84 | cps |
| Rhodium | 103-1 | 7340354 | 7222399 | 7202503 | 7255086 | 1.03 | cps |
| Rhodium | 103-2 | 4061948 | 4052526 | 3973381 | 4029285 | 1.21 | cps |
| Scandium | 45-1 | 5223746 | 5184886 | 5123434 | 5177355 | 0.98 | cps |
| Scandium | 45-2 | 354942 | 356328 | 347480 | 352917 | 1.35 | cps |
| Selenium | 82-1 | 53146 | 52597 | 52797 | 52847 | 0.53 | cps |
| Selenium | 77-2 | 4424 | 4327 | 4177 | 4310 | 2.89 | cps |
| Selenium | 78-2 | 14677 | 14564 | 14083 | 14442 | 2.18 | cps |
| Silicon | 28-1 | 31738626 | 32784867 | 33065422 | 32529638 | 2.15 | cps |
| Silver | 107-1 | 3918408 | 3902120 | 3930439 | 3916989 | 0.36 | cps |
| Silver | 109-1 | 3756799 | 3637215 | 3705148 | 3699721 | 1.62 | cps |
| Sodium | 23-2 | 81682944 | 80892762 | 79426289 | 80667332 | 1.42 | cps |
| Strontium | 86-1 | 26158767 | 26144660 | 25929453 | 26077627 | 0.49 | cps |
| Strontium | 88-1 | 228322737 | 226932423 | 229887377 | 228380845 | 0.65 | cps |
| Sulfur | 34-1 | 469040 | 483065 | 481956 | 478020 | 1.63 | cps |
| Terbium | 159-1 | 10112259 | 9996724 | 9976258 | 10028414 | 0.73 | cps |
| Terbium | 159-2 | 6745055 | 6489707 | 6599233 | 6611332 | 1.94 | cps |
| Thallium | 203-1 | 2680353 | 2639299 | 2645437 | 2655030 | 0.83 | cps |
| Thallium | 205-1 | 6258420 | 6195869 | 6283357 | 6245882 | 0.72 | cps |
| Tin | 118-1 | 2569273 | 2558920 | 2618046 | 2582080 | 1.22 | cps |
| Titanium | 47-1 | 4892905 | 4962555 | 4984699 | 4946719 | 0.97 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV05 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV05 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:14:21 | DataFile Name : | 075CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7926584 | 8006086 | 8071073 | 8001247 | 0.90 | cps |
| Vanadium | 51-2 | 1032911 | 1041047 | 1029410 | 1034456 | 0.58 | cps |
| Yttrium | 89-1 | 10923725 | 11273925 | 10942098 | 11046583 | 1.78 | cps |
| Yttrium | 89-2 | 2441502 | 2463200 | 2463151 | 2455951 | 0.51 | cps |
| Zinc | 66-2 | 2062130 | 2031597 | 2010085 | 2034604 | 1.29 | cps |
| Zirconium | 90-1 | 5760345 | 5865015 | 5950464 | 5858608 | 1.63 | cps |
| Zirconium | 91-1 | 1300854 | 1318429 | 1296976 | 1305420 | 0.88 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB05 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB05 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:29:04 | DataFile Name : | 076CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 310 | 317 | 290 | 306 | 4.54 | cps |
| Antimony | 121-1 | 373 | 587 | 597 | 519 | 24.31 | cps |
| Arsenic | 75-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Barium | 135-1 | 70 | 80 | 70 | 73 | 7.87 | cps |
| Barium | 137-1 | 120 | 83 | 113 | 106 | 18.51 | cps |
| Beryllium | 9-1 | 43 | 37 | 33 | 38 | 13.48 | cps |
| Bismuth | 209-1 | 5613662 | 5193884 | 5582569 | 5463372 | 4.28 | cps |
| Bismuth | 209-2 | 4622095 | 4700224 | 4630046 | 4650788 | 0.92 | cps |
| Bromine | 81-1 | 7549 | 7622 | 7919 | 7697 | 2.55 | cps |
| Bromine | 81-2 | 70 | 73 | 43 | 62 | 26.43 | cps |
| Cadmium | 108-1 | 10 | 17 | 7 | 11 | 45.82 | cps |
| Cadmium | 106-1 | 2027 | 1950 | 1820 | 1932 | 5.41 | cps |
| Cadmium | 111-1 | 1438 | 1373 | 1286 | 1366 | 5.60 | cps |
| Calcium | 43-1 | 300 | 297 | 320 | 306 | 4.13 | cps |
| Calcium | 44-1 | 10211 | 10658 | 10671 | 10513 | 2.49 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 617 | 580 | 587 | 594 | 3.29 | cps |
| Cobalt | 59-2 | 63 | 57 | 93 | 71 | 27.46 | cps |
| Copper | 63-2 | 963 | 1003 | 1013 | 993 | 2.66 | cps |
| Dysprosium | 156-1 | 20 | 3 | 10 | 11 | 75.52 | cps |
| Dysprosium | 156-2 | 10 | 10 | 0 | 7 | 86.60 | cps |
| Erbium | 164-1 | 50 | 73 | 77 | 67 | 21.80 | cps |
| Erbium | 164-2 | 43 | 47 | 47 | 46 | 4.23 | cps |
| Gadolinium | 160-1 | 67 | 40 | 57 | 54 | 24.75 | cps |
| Gadolinium | 160-2 | 310 | 320 | 273 | 301 | 8.16 | cps |
| Holmium | 165-1 | 9149954 | 8794543 | 9080622 | 9008373 | 2.09 | cps |
| Holmium | 165-2 | 6372627 | 6342927 | 6474443 | 6396666 | 1.08 | cps |
| Indium | 115-1 | 8295851 | 7747083 | 7965083 | 8002672 | 3.45 | cps |
| Indium | 115-2 | 2613324 | 2594226 | 2645591 | 2617714 | 0.99 | cps |
| Iron | 56-2 | 14063 | 14847 | 16019 | 14976 | 6.57 | cps |
| Iron | 57-2 | 1640 | 1587 | 1667 | 1631 | 2.50 | cps |
| Iron | 54-2 | 1587 | 1530 | 1583 | 1567 | 2.03 | cps |
| Krypton | 83-1 | 177 | 257 | 193 | 209 | 20.21 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB05 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB05 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:29:04 | DataFile Name : | 076CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 257 | 250 | 283 | 263 | 6.70 | cps |
| Lead | 207-1 | 227 | 277 | 223 | 242 | 12.33 | cps |
| Lead | 208-1 | 1217 | 1187 | 1150 | 1184 | 2.82 | cps |
| Lithium | 6-1 | 1499189 | 1444161 | 1555512 | 1499621 | 3.71 | cps |
| Magnesium | 24-2 | 1130 | 1267 | 1517 | 1305 | 15.03 | cps |
| Manganese | 55-2 | 267 | 390 | 383 | 347 | 20.01 | cps |
| Molybdenum | 94-1 | 287 | 307 | 403 | 332 | 18.78 | cps |
| Molybdenum | 95-1 | 163 | 170 | 237 | 190 | 21.34 | cps |
| Molybdenum | 96-1 | 227 | 260 | 290 | 259 | 12.24 | cps |
| Molybdenum | 97-1 | 100 | 80 | 143 | 108 | 30.04 | cps |
| Molybdenum | 98-1 | 237 | 263 | 360 | 287 | 22.64 | cps |
| Neodymium | 150-1 | 13 | 7 | 10 | 10 | 33.30 | cps |
| Neodymium | 150-2 | 3 | 3 | 13 | 7 | 86.65 | cps |
| Nickel | 60-2 | 187 | 183 | 143 | 171 | 14.09 | cps |
| Phosphorus | 31-2 | 153 | 127 | 137 | 139 | 9.70 | cps |
| Potassium | 39-2 | 46842 | 47089 | 47758 | 47230 | 1.00 | cps |
| Rhodium | 103-1 | 7652304 | 7329494 | 7738906 | 7573568 | 2.85 | cps |
| Rhodium | 103-2 | 4402567 | 4366512 | 4415533 | 4394870 | 0.58 | cps |
| Scandium | 45-1 | 5156900 | 4941519 | 5094874 | 5064431 | 2.19 | cps |
| Scandium | 45-2 | 367063 | 365373 | 362998 | 365145 | 0.56 | cps |
| Selenium | 82-1 | 290 | 212 | 302 | 268 | 18.09 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 233 | 227 | 203 | 221 | 7.12 | cps |
| Silicon | 28-1 | 292275 | 295597 | 295048 | 294307 | 0.61 | cps |
| Silver | 107-1 | 90 | 90 | 83 | 88 | 4.39 | cps |
| Silver | 109-1 | 70 | 57 | 73 | 67 | 13.22 | cps |
| Sodium | 23-2 | 14544 | 14627 | 14190 | 14454 | 1.61 | cps |
| Strontium | 86-1 | 400 | 433 | 490 | 441 | 10.32 | cps |
| Strontium | 88-1 | 1017 | 1027 | 1547 | 1197 | 25.33 | cps |
| Sulfur | 34-1 | 198920 | 198921 | 198366 | 198736 | 0.16 | cps |
| Terbium | 159-1 | 9621147 | 9136006 | 9611139 | 9456097 | 2.93 | cps |
| Terbium | 159-2 | 6410205 | 6426297 | 6483360 | 6439954 | 0.60 | cps |
| Thallium | 203-1 | 43 | 47 | 57 | 49 | 14.20 | cps |
| Thallium | 205-1 | 90 | 80 | 83 | 84 | 6.03 | cps |
| Tin | 118-1 | 880 | 963 | 1040 | 961 | 8.33 | cps |
| Titanium | 47-1 | 103 | 110 | 177 | 130 | 31.20 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB05 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB05 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:29:04 | DataFile Name : | 076CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 30 | 20 | 83 | 44 | 76.61 | cps |
| Vanadium | 51-2 | 23 | 27 | 43 | 31 | 34.44 | cps |
| Yttrium | 89-1 | 10937028 | 10332044 | 10985853 | 10751642 | 3.39 | cps |
| Yttrium | 89-2 | 2519262 | 2500368 | 2555958 | 2525196 | 1.12 | cps |
| Zinc | 66-2 | 710 | 630 | 687 | 676 | 6.09 | cps |
| Zirconium | 90-1 | 557 | 700 | 780 | 679 | 16.67 | cps |
| Zirconium | 91-1 | 140 | 150 | 163 | 151 | 7.75 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08DUP | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:32:42 | DataFile Name : | 077SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2151753 | 2135112 | 2104907 | 2130591 | 1.11 | cps |
| Antimony | 121-1 | 34562 | 35754 | 34755 | 35024 | 1.83 | cps |
| Arsenic | 75-2 | 1750 | 1760 | 1610 | 1707 | 4.91 | cps |
| Barium | 135-1 | 124732 | 126006 | 124277 | 125005 | 0.72 | cps |
| Barium | 137-1 | 217287 | 214369 | 212792 | 214816 | 1.06 | cps |
| Beryllium | 9-1 | 1103 | 1180 | 1160 | 1148 | 3.47 | cps |
| Bismuth | 209-1 | 5842157 | 5892210 | 5814498 | 5849622 | 0.67 | cps |
| Bismuth | 209-2 | 4990218 | 4841142 | 4862016 | 4897792 | 1.65 | cps |
| Bromine | 81-1 | 10661 | 12309 | 12178 | 11716 | 7.82 | cps |
| Bromine | 81-2 | 1083 | 1337 | 1313 | 1245 | 11.25 | cps |
| Cadmium | 108-1 | 127 | 103 | 130 | 120 | 12.11 | cps |
| Cadmium | 106-1 | 3294 | 3287 | 3004 | 3195 | 5.18 | cps |
| Cadmium | 111-1 | 2554 | 2595 | 2352 | 2500 | 5.21 | cps |
| Calcium | 43-1 | 30020 | 28914 | 29158 | 29364 | 1.98 | cps |
| Calcium | 44-1 | 483273 | 489513 | 475676 | 482821 | 1.44 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 133482 | 135008 | 134625 | 134371 | 0.59 | cps |
| Cobalt | 59-2 | 23986 | 24276 | 23752 | 24005 | 1.09 | cps |
| Copper | 63-2 | 90049 | 91498 | 90096 | 90547 | 0.91 | cps |
| Dysprosium | 156-1 | 155342 | 153526 | 153957 | 154275 | 0.62 | cps |
| Dysprosium | 156-2 | 121417 | 121276 | 120684 | 121126 | 0.32 | cps |
| Erbium | 164-1 | 144808 | 147883 | 143657 | 145450 | 1.50 | cps |
| Erbium | 164-2 | 100629 | 99998 | 99005 | 99877 | 0.82 | cps |
| Gadolinium | 160-1 | 160313 | 157073 | 156085 | 157824 | 1.40 | cps |
| Gadolinium | 160-2 | 111674 | 111879 | 110660 | 111404 | 0.59 | cps |
| Holmium | 165-1 | 10217749 | 10096165 | 9966479 | 10093464 | 1.24 | cps |
| Holmium | 165-2 | 6991317 | 6664958 | 6923109 | 6859795 | 2.51 | cps |
| Indium | 115-1 | 8669107 | 8590183 | 8646296 | 8635195 | 0.47 | cps |
| Indium | 115-2 | 2752733 | 2750190 | 2710856 | 2737926 | 0.86 | cps |
| Iron | 56-2 | 32712831 | 32586253 | 31919587 | 32406224 | 1.32 | cps |
| Iron | 57-2 | 841849 | 846224 | 834183 | 840752 | 0.72 | cps |
| Iron | 54-2 | 1803790 | 1809384 | 1797404 | 1803526 | 0.33 | cps |
| Krypton | 83-1 | 360 | 413 | 397 | 390 | 7.00 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08DUP | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:32:42 | DataFile Name : | 077SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 108818 | 108287 | 108402 | 108502 | 0.26 | cps |
| Lead | 207-1 | 92284 | 92290 | 91157 | 91910 | 0.71 | cps |
| Lead | 208-1 | 425350 | 427688 | 422946 | 425328 | 0.56 | cps |
| Lithium | 6-1 | 1644556 | 1747646 | 1612178 | 1668127 | 4.24 | cps |
| Magnesium | 24-2 | 542395 | 537933 | 536569 | 538966 | 0.57 | cps |
| Manganese | 55-2 | 235754 | 233767 | 235089 | 234870 | 0.43 | cps |
| Molybdenum | 94-1 | 37438 | 37408 | 37003 | 37283 | 0.65 | cps |
| Molybdenum | 95-1 | 1770 | 1887 | 1903 | 1853 | 3.92 | cps |
| Molybdenum | 96-1 | 8759 | 8526 | 8282 | 8523 | 2.80 | cps |
| Molybdenum | 97-1 | 1180 | 1067 | 1160 | 1136 | 5.33 | cps |
| Molybdenum | 98-1 | 2817 | 2974 | 2894 | 2895 | 2.71 | cps |
| Neodymium | 150-1 | 249181 | 256309 | 247170 | 250886 | 1.91 | cps |
| Neodymium | 150-2 | 142138 | 141312 | 140021 | 141157 | 0.76 | cps |
| Nickel | 60-2 | 17247 | 17153 | 17394 | 17265 | 0.70 | cps |
| Phosphorus | 31-2 | 2394 | 2350 | 2227 | 2324 | 3.72 | cps |
| Potassium | 39-2 | 573563 | 578056 | 575292 | 575637 | 0.39 | cps |
| Rhodium | 103-1 | 8323172 | 7956587 | 8055348 | 8111703 | 2.34 | cps |
| Rhodium | 103-2 | 4626511 | 4565823 | 4539242 | 4577192 | 0.98 | cps |
| Scandium | 45-1 | 5731516 | 5801081 | 5788917 | 5773838 | 0.64 | cps |
| Scandium | 45-2 | 403674 | 397848 | 402839 | 401454 | 0.78 | cps |
| Selenium | 82-1 | 655 | 577 | 622 | 618 | 6.34 | cps |
| Selenium | 77-2 | 407 | 407 | 413 | 409 | 0.94 | cps |
| Selenium | 78-2 | 457 | 510 | 473 | 480 | 5.68 | cps |
| Silicon | 28-1 | 25382234 | 25279218 | 25288164 | 25316539 | 0.23 | cps |
| Silver | 107-1 | 3450 | 3791 | 3324 | 3522 | 6.85 | cps |
| Silver | 109-1 | 3077 | 3290 | 3287 | 3218 | 3.80 | cps |
| Sodium | 23-2 | 312194 | 314086 | 311783 | 312688 | 0.39 | cps |
| Strontium | 86-1 | 32680 | 31731 | 31611 | 32007 | 1.83 | cps |
| Strontium | 88-1 | 279630 | 277965 | 273391 | 276995 | 1.17 | cps |
| Sulfur | 34-1 | 187078 | 178867 | 177835 | 181260 | 2.79 | cps |
| Terbium | 159-1 | 10808661 | 10250590 | 10327819 | 10462357 | 2.89 | cps |
| Terbium | 159-2 | 6991428 | 6872758 | 6844216 | 6902801 | 1.13 | cps |
| Thallium | 203-1 | 2384 | 2307 | 2294 | 2328 | 2.09 | cps |
| Thallium | 205-1 | 5364 | 5868 | 5481 | 5571 | 4.73 | cps |
| Tin | 118-1 | 60557 | 57902 | 58752 | 59070 | 2.29 | cps |
| Titanium | 47-1 | 351586 | 345471 | 364500 | 353852 | 2.75 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08DUP | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:32:42 | DataFile Name : | 077SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 57038 | 57212 | 56663 | 56971 | 0.49 | cps |
| Vanadium | 51-2 | 136843 | 136003 | 135996 | 136281 | 0.36 | cps |
| Yttrium | 89-1 | 14422999 | 13980106 | 14033691 | 14145598 | 1.71 | cps |
| Yttrium | 89-2 | 3269268 | 3262372 | 3218944 | 3250195 | 0.84 | cps |
| Zinc | 66-2 | 28674 | 28678 | 28721 | 28691 | 0.09 | cps |
| Zirconium | 90-1 | 98897 | 97075 | 99078 | 98350 | 1.13 | cps |
| Zirconium | 91-1 | 22774 | 21212 | 22204 | 22063 | 3.58 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:35:57 | DataFile Name : | 078SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 383673 | 384761 | 385418 | 384617 | 0.23 | cps |
| Antimony | 121-1 | 233 | 233 | 243 | 237 | 2.44 | cps |
| Arsenic | 75-2 | 297 | 330 | 240 | 289 | 15.75 | cps |
| Barium | 135-1 | 21543 | 22134 | 22474 | 22051 | 2.14 | cps |
| Barium | 137-1 | 37172 | 37269 | 37860 | 37434 | 1.00 | cps |
| Beryllium | 9-1 | 257 | 227 | 280 | 254 | 10.51 | cps |
| Bismuth | 209-1 | 5709814 | 5684590 | 5581175 | 5658526 | 1.20 | cps |
| Bismuth | 209-2 | 4727342 | 4853587 | 4855377 | 4812102 | 1.53 | cps |
| Bromine | 81-1 | 8853 | 8706 | 8676 | 8745 | 1.08 | cps |
| Bromine | 81-2 | 323 | 317 | 267 | 302 | 10.25 | cps |
| Cadmium | 108-1 | 50 | 17 | 30 | 32 | 52.06 | cps |
| Cadmium | 106-1 | 2534 | 2394 | 2480 | 2469 | 2.86 | cps |
| Cadmium | 111-1 | 1789 | 1704 | 1752 | 1748 | 2.43 | cps |
| Calcium | 43-1 | 5488 | 5211 | 5464 | 5388 | 2.85 | cps |
| Calcium | 44-1 | 96891 | 95375 | 95814 | 96027 | 0.81 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 24073 | 24296 | 24263 | 24211 | 0.50 | cps |
| Cobalt | 59-2 | 4227 | 4107 | 4417 | 4251 | 3.68 | cps |
| Copper | 63-2 | 16856 | 16546 | 16746 | 16716 | 0.94 | cps |
| Dysprosium | 156-1 | 27383 | 27554 | 27423 | 27454 | 0.32 | cps |
| Dysprosium | 156-2 | 21767 | 21837 | 21106 | 21570 | 1.87 | cps |
| Erbium | 164-1 | 25493 | 26368 | 25333 | 25732 | 2.17 | cps |
| Erbium | 164-2 | 17822 | 17424 | 17197 | 17481 | 1.81 | cps |
| Gadolinium | 160-1 | 27494 | 27587 | 27784 | 27622 | 0.54 | cps |
| Gadolinium | 160-2 | 20295 | 20145 | 19994 | 20145 | 0.75 | cps |
| Holmium | 165-1 | 9463350 | 9446879 | 9190787 | 9367005 | 1.63 | cps |
| Holmium | 165-2 | 6573056 | 6495851 | 6575610 | 6548172 | 0.69 | cps |
| Indium | 115-1 | 8197454 | 8063372 | 8267942 | 8176256 | 1.27 | cps |
| Indium | 115-2 | 2600633 | 2651720 | 2622210 | 2624854 | 0.98 | cps |
| Iron | 56-2 | 5739639 | 5766228 | 5792602 | 5766156 | 0.46 | cps |
| Iron | 57-2 | 149230 | 148109 | 150546 | 149295 | 0.82 | cps |
| Iron | 54-2 | 326940 | 327170 | 325312 | 326474 | 0.31 | cps |
| Krypton | 83-1 | 247 | 187 | 240 | 224 | 14.65 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:35:57 | DataFile Name : | 078SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 19244 | 19361 | 19341 | 19315 | 0.32 | cps |
| Lead | 207-1 | 16307 | 16537 | 16483 | 16442 | 0.73 | cps |
| Lead | 208-1 | 74814 | 75752 | 75127 | 75231 | 0.64 | cps |
| Lithium | 6-1 | 1627778 | 1584826 | 1613464 | 1608689 | 1.36 | cps |
| Magnesium | 24-2 | 94606 | 95863 | 96118 | 95529 | 0.85 | cps |
| Manganese | 55-2 | 41781 | 42019 | 42089 | 41963 | 0.38 | cps |
| Molybdenum | 94-1 | 6782 | 6678 | 6598 | 6686 | 1.38 | cps |
| Molybdenum | 95-1 | 357 | 310 | 397 | 354 | 12.24 | cps |
| Molybdenum | 96-1 | 1603 | 1477 | 1637 | 1572 | 5.37 | cps |
| Molybdenum | 97-1 | 197 | 163 | 220 | 193 | 14.73 | cps |
| Molybdenum | 98-1 | 537 | 527 | 537 | 533 | 1.08 | cps |
| Neodymium | 150-1 | 44627 | 44791 | 44363 | 44594 | 0.48 | cps |
| Neodymium | 150-2 | 25430 | 25266 | 25009 | 25235 | 0.84 | cps |
| Nickel | 60-2 | 3194 | 3100 | 3114 | 3136 | 1.61 | cps |
| Phosphorus | 31-2 | 347 | 397 | 430 | 391 | 10.72 | cps |
| Potassium | 39-2 | 133267 | 135231 | 133970 | 134156 | 0.74 | cps |
| Rhodium | 103-1 | 7753662 | 7719502 | 7797963 | 7757042 | 0.51 | cps |
| Rhodium | 103-2 | 4415831 | 4422042 | 4413217 | 4417030 | 0.10 | cps |
| Scandium | 45-1 | 5289094 | 5231398 | 5235826 | 5252106 | 0.61 | cps |
| Scandium | 45-2 | 364540 | 366240 | 363753 | 364844 | 0.35 | cps |
| Selenium | 82-1 | 355 | 436 | 359 | 383 | 11.91 | cps |
| Selenium | 77-2 | 47 | 80 | 60 | 62 | 26.96 | cps |
| Selenium | 78-2 | 337 | 237 | 243 | 272 | 20.54 | cps |
| Silicon | 28-1 | 4747565 | 4682132 | 4585915 | 4671870 | 1.74 | cps |
| Silver | 107-1 | 540 | 497 | 640 | 559 | 13.15 | cps |
| Silver | 109-1 | 477 | 523 | 557 | 519 | 7.74 | cps |
| Sodium | 23-2 | 66098 | 65786 | 64779 | 65554 | 1.05 | cps |
| Strontium | 86-1 | 5771 | 5761 | 6171 | 5901 | 3.97 | cps |
| Strontium | 88-1 | 48008 | 48614 | 47272 | 47965 | 1.40 | cps |
| Sulfur | 34-1 | 166752 | 165243 | 164306 | 165434 | 0.75 | cps |
| Terbium | 159-1 | 9747817 | 9641182 | 9895160 | 9761386 | 1.31 | cps |
| Terbium | 159-2 | 6562411 | 6610180 | 6472864 | 6548485 | 1.06 | cps |
| Thallium | 203-1 | 353 | 327 | 413 | 364 | 12.18 | cps |
| Thallium | 205-1 | 863 | 900 | 820 | 861 | 4.65 | cps |
| Tin | 118-1 | 11418 | 11411 | 11678 | 11502 | 1.32 | cps |
| Titanium | 47-1 | 61243 | 62244 | 62194 | 61894 | 0.91 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:35:57 | DataFile Name : | 078SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 10031 | 9860 | 9980 | 9957 | 0.88 | cps |
| Vanadium | 51-2 | 24143 | 24877 | 24043 | 24354 | 1.87 | cps |
| Yttrium | 89-1 | 11451470 | 11358141 | 11163463 | 11324358 | 1.30 | cps |
| Yttrium | 89-2 | 2648961 | 2617188 | 2627556 | 2631235 | 0.62 | cps |
| Zinc | 66-2 | 5965 | 6098 | 5968 | 6010 | 1.27 | cps |
| Zirconium | 90-1 | 17724 | 17691 | 18642 | 18019 | 3.00 | cps |
| Zirconium | 91-1 | 3957 | 3967 | 3827 | 3917 | 1.99 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08LDLX25 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 25 |
| Date & Time Acquired :: | 2024-08-25 20:39:12 | DataFile Name : | 079SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 76959 | 77696 | 79544 | 78066 | 1.71 | cps |
| Antimony | 121-1 | 820 | 803 | 680 | 768 | 9.96 | cps |
| Arsenic | 75-2 | 83 | 67 | 63 | 71 | 15.07 | cps |
| Barium | 135-1 | 4274 | 4544 | 4231 | 4350 | 3.90 | cps |
| Barium | 137-1 | 7842 | 7949 | 7652 | 7814 | 1.92 | cps |
| Beryllium | 9-1 | 80 | 73 | 70 | 74 | 6.84 | cps |
| Bismuth | 209-1 | 5560113 | 5649625 | 5668440 | 5626059 | 1.03 | cps |
| Bismuth | 209-2 | 4813087 | 4705947 | 4861288 | 4793441 | 1.66 | cps |
| Bromine | 81-1 | 7805 | 7949 | 7582 | 7779 | 2.38 | cps |
| Bromine | 81-2 | 140 | 117 | 130 | 129 | 9.08 | cps |
| Cadmium | 108-1 | 23 | 30 | 10 | 21 | 48.24 | cps |
| Cadmium | 106-1 | 2524 | 2364 | 2367 | 2418 | 3.78 | cps |
| Cadmium | 111-1 | 1764 | 1653 | 1673 | 1697 | 3.46 | cps |
| Calcium | 43-1 | 1357 | 1267 | 1420 | 1348 | 5.72 | cps |
| Calcium | 44-1 | 27295 | 27515 | 27282 | 27364 | 0.48 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 5584 | 5421 | 5434 | 5480 | 1.66 | cps |
| Cobalt | 59-2 | 843 | 860 | 903 | 869 | 3.56 | cps |
| Copper | 63-2 | 4071 | 3814 | 4331 | 4072 | 6.35 | cps |
| Dysprosium | 156-1 | 5368 | 5238 | 5504 | 5370 | 2.48 | cps |
| Dysprosium | 156-2 | 4267 | 4434 | 4564 | 4422 | 3.36 | cps |
| Erbium | 164-1 | 4968 | 5258 | 5491 | 5239 | 5.01 | cps |
| Erbium | 164-2 | 3554 | 3631 | 3654 | 3613 | 1.45 | cps |
| Gadolinium | 160-1 | 5621 | 5524 | 5738 | 5628 | 1.90 | cps |
| Gadolinium | 160-2 | 4444 | 4101 | 4344 | 4296 | 4.11 | cps |
| Holmium | 165-1 | 9353947 | 9303602 | 9471127 | 9376225 | 0.92 | cps |
| Holmium | 165-2 | 6644046 | 6414223 | 6641626 | 6566632 | 2.01 | cps |
| Indium | 115-1 | 8233105 | 8087191 | 8136145 | 8152147 | 0.91 | cps |
| Indium | 115-2 | 2611129 | 2589807 | 2627158 | 2609365 | 0.72 | cps |
| Iron | 56-2 | 1218361 | 1216366 | 1201845 | 1212191 | 0.74 | cps |
| Iron | 57-2 | 32037 | 31720 | 31172 | 31643 | 1.38 | cps |
| Iron | 54-2 | 67728 | 66975 | 67199 | 67301 | 0.57 | cps |
| Krypton | 83-1 | 173 | 193 | 157 | 174 | 10.52 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08LDLX25 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 25 |
| Date & Time Acquired :: | 2024-08-25 20:39:12 | DataFile Name : | 079SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 4154 | 4011 | 4034 | 4066 | 1.89 | cps |
| Lead | 207-1 | 3267 | 3470 | 3554 | 3430 | 4.30 | cps |
| Lead | 208-1 | 15784 | 15987 | 15964 | 15912 | 0.70 | cps |
| Lithium | 6-1 | 1582618 | 1602482 | 1600200 | 1595100 | 0.68 | cps |
| Magnesium | 24-2 | 19769 | 19509 | 19346 | 19541 | 1.09 | cps |
| Manganese | 55-2 | 8889 | 8743 | 8472 | 8701 | 2.43 | cps |
| Molybdenum | 94-1 | 1433 | 1530 | 1547 | 1503 | 4.07 | cps |
| Molybdenum | 95-1 | 183 | 150 | 147 | 160 | 12.67 | cps |
| Molybdenum | 96-1 | 377 | 413 | 413 | 401 | 5.28 | cps |
| Molybdenum | 97-1 | 93 | 73 | 113 | 93 | 21.43 | cps |
| Molybdenum | 98-1 | 223 | 167 | 227 | 206 | 16.40 | cps |
| Neodymium | 150-1 | 8913 | 9300 | 9020 | 9077 | 2.20 | cps |
| Neodymium | 150-2 | 5064 | 5188 | 5324 | 5192 | 2.51 | cps |
| Nickel | 60-2 | 720 | 803 | 797 | 773 | 5.99 | cps |
| Phosphorus | 31-2 | 213 | 240 | 193 | 216 | 10.86 | cps |
| Potassium | 39-2 | 63508 | 63144 | 62421 | 63024 | 0.88 | cps |
| Rhodium | 103-1 | 7828807 | 7565649 | 7796471 | 7730309 | 1.86 | cps |
| Rhodium | 103-2 | 4444745 | 4366740 | 4408918 | 4406801 | 0.89 | cps |
| Scandium | 45-1 | 5083593 | 5244655 | 5193238 | 5173829 | 1.59 | cps |
| Scandium | 45-2 | 362501 | 361166 | 361068 | 361578 | 0.22 | cps |
| Selenium | 82-1 | 351 | 325 | 415 | 364 | 12.69 | cps |
| Selenium | 77-2 | 20 | 10 | 7 | 12 | 56.76 | cps |
| Selenium | 78-2 | 253 | 277 | 227 | 252 | 9.92 | cps |
| Silicon | 28-1 | 1217759 | 1282990 | 1230415 | 1243721 | 2.78 | cps |
| Silver | 107-1 | 250 | 160 | 150 | 187 | 29.51 | cps |
| Silver | 109-1 | 123 | 110 | 127 | 120 | 7.35 | cps |
| Sodium | 23-2 | 23111 | 22784 | 23061 | 22985 | 0.77 | cps |
| Strontium | 86-1 | 1430 | 1420 | 1440 | 1430 | 0.70 | cps |
| Strontium | 88-1 | 10140 | 9970 | 9863 | 9991 | 1.40 | cps |
| Sulfur | 34-1 | 163669 | 163490 | 164727 | 163962 | 0.41 | cps |
| Terbium | 159-1 | 9784770 | 9602839 | 9630798 | 9672802 | 1.01 | cps |
| Terbium | 159-2 | 6672933 | 6515187 | 6482496 | 6556872 | 1.55 | cps |
| Thallium | 203-1 | 90 | 133 | 127 | 117 | 20.00 | cps |
| Thallium | 205-1 | 207 | 290 | 217 | 238 | 19.14 | cps |
| Tin | 118-1 | 3050 | 2920 | 2957 | 2976 | 2.25 | cps |
| Titanium | 47-1 | 12335 | 12208 | 12469 | 12337 | 1.05 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08LDLX25 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 25 |
| Date & Time Acquired :: | 2024-08-25 20:39:12 | DataFile Name : | 079SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1930 | 2000 | 2074 | 2001 | 3.58 | cps |
| Vanadium | 51-2 | 4807 | 4767 | 4871 | 4815 | 1.08 | cps |
| Yttrium | 89-1 | 10741273 | 11116089 | 11119464 | 10992275 | 1.98 | cps |
| Yttrium | 89-2 | 2529842 | 2546030 | 2533836 | 2536569 | 0.33 | cps |
| Zinc | 66-2 | 1717 | 1660 | 1530 | 1636 | 5.85 | cps |
| Zirconium | 90-1 | 3774 | 4057 | 4077 | 3969 | 4.28 | cps |
| Zirconium | 91-1 | 1010 | 860 | 907 | 926 | 8.29 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MS | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:42:31 | DataFile Name : | 080SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2994230 | 2918119 | 2999473 | 2970608 | 1.53 | cps |
| Antimony | 121-1 | 3530643 | 3588224 | 3494157 | 3537675 | 1.34 | cps |
| Arsenic | 75-2 | 174143 | 174928 | 174631 | 174567 | 0.23 | cps |
| Barium | 135-1 | 4271339 | 4209836 | 4179195 | 4220123 | 1.11 | cps |
| Barium | 137-1 | 7318668 | 7409964 | 7205759 | 7311464 | 1.40 | cps |
| Beryllium | 9-1 | 706329 | 722608 | 720223 | 716387 | 1.23 | cps |
| Bismuth | 209-1 | 5767921 | 5801283 | 5734081 | 5767761 | 0.58 | cps |
| Bismuth | 209-2 | 4736062 | 4733689 | 4690088 | 4719947 | 0.55 | cps |
| Bromine | 81-1 | 10087 | 11148 | 11381 | 10872 | 6.34 | cps |
| Bromine | 81-2 | 1060 | 1087 | 1043 | 1063 | 2.06 | cps |
| Cadmium | 108-1 | 64758 | 65664 | 64563 | 64995 | 0.90 | cps |
| Cadmium | 106-1 | 96515 | 95898 | 93599 | 95337 | 1.61 | cps |
| Cadmium | 111-1 | 883340 | 883660 | 877160 | 881387 | 0.42 | cps |
| Calcium | 43-1 | 1167884 | 1172240 | 1152479 | 1164201 | 0.89 | cps |
| Calcium | 44-1 | 16888485 | 16832048 | 16582286 | 16767606 | 0.97 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1302031 | 1288331 | 1294167 | 1294843 | 0.53 | cps |
| Cobalt | 59-2 | 1952498 | 1928084 | 1929953 | 1936845 | 0.70 | cps |
| Copper | 63-2 | 12905207 | 12884647 | 12943505 | 12911120 | 0.23 | cps |
| Dysprosium | 156-1 | 142913 | 142980 | 139812 | 141902 | 1.28 | cps |
| Dysprosium | 156-2 | 109846 | 109086 | 109234 | 109389 | 0.37 | cps |
| Erbium | 164-1 | 136106 | 135371 | 133858 | 135112 | 0.85 | cps |
| Erbium | 164-2 | 91752 | 91199 | 91101 | 91351 | 0.38 | cps |
| Gadolinium | 160-1 | 143584 | 144769 | 142533 | 143629 | 0.78 | cps |
| Gadolinium | 160-2 | 102065 | 99554 | 103307 | 101642 | 1.88 | cps |
| Holmium | 165-1 | 10090313 | 10063663 | 9873967 | 10009314 | 1.18 | cps |
| Holmium | 165-2 | 6784998 | 6638023 | 6786504 | 6736508 | 1.27 | cps |
| Indium | 115-1 | 8217949 | 8401898 | 8256735 | 8292194 | 1.17 | cps |
| Indium | 115-2 | 2517266 | 2561661 | 2549816 | 2542914 | 0.90 | cps |
| Iron | 56-2 | 79316144 | 79702934 | 79186317 | 79401798 | 0.34 | cps |
| Iron | 57-2 | 1997898 | 1968061 | 1986864 | 1984274 | 0.76 | cps |
| Iron | 54-2 | 4420122 | 4401060 | 4332571 | 4384584 | 1.05 | cps |
| Krypton | 83-1 | 417 | 407 | 343 | 389 | 10.23 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MS | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:42:31 | DataFile Name : | 080SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 11399670 | 11777155 | 11197402 | 11458076 | 2.57 | cps |
| Lead | 207-1 | 10214734 | 10055498 | 10134119 | 10134783 | 0.79 | cps |
| Lead | 208-1 | 46260519 | 46009686 | 45196514 | 45822240 | 1.21 | cps |
| Lithium | 6-1 | 1657732 | 1787706 | 1805341 | 1750260 | 4.61 | cps |
| Magnesium | 24-2 | 11123239 | 10871203 | 11028504 | 11007649 | 1.16 | cps |
| Manganese | 55-2 | 8899569 | 8787686 | 8855398 | 8847551 | 0.64 | cps |
| Molybdenum | 94-1 | 15970601 | 16408052 | 15977147 | 16118600 | 1.56 | cps |
| Molybdenum | 95-1 | 23744175 | 23757796 | 24158663 | 23886878 | 0.99 | cps |
| Molybdenum | 96-1 | 26026937 | 25730882 | 26087382 | 25948400 | 0.74 | cps |
| Molybdenum | 97-1 | 15069679 | 14916391 | 15057714 | 15014594 | 0.57 | cps |
| Molybdenum | 98-1 | 38397022 | 39415144 | 38529398 | 38780521 | 1.43 | cps |
| Neodymium | 150-1 | 230886 | 231912 | 228424 | 230407 | 0.78 | cps |
| Neodymium | 150-2 | 129018 | 126364 | 126445 | 127276 | 1.19 | cps |
| Nickel | 60-2 | 485642 | 481270 | 485020 | 483978 | 0.49 | cps |
| Phosphorus | 31-2 | 1547 | 1633 | 1737 | 1639 | 5.80 | cps |
| Potassium | 39-2 | 6630037 | 6648501 | 6615568 | 6631368 | 0.25 | cps |
| Rhodium | 103-1 | 7741012 | 7940183 | 7733292 | 7804829 | 1.50 | cps |
| Rhodium | 103-2 | 4286700 | 4207659 | 4254855 | 4249738 | 0.94 | cps |
| Scandium | 45-1 | 5873253 | 5711013 | 5637482 | 5740583 | 2.10 | cps |
| Scandium | 45-2 | 386612 | 386885 | 380472 | 384656 | 0.94 | cps |
| Selenium | 82-1 | 58198 | 58349 | 57548 | 58032 | 0.73 | cps |
| Selenium | 77-2 | 5214 | 4878 | 4901 | 4998 | 3.76 | cps |
| Selenium | 78-2 | 16302 | 16052 | 16192 | 16182 | 0.78 | cps |
| Silicon | 28-1 | 24131028 | 24097044 | 24552504 | 24260192 | 1.05 | cps |
| Silver | 107-1 | 1330119 | 3081637 | 2304667 | 2238808 | 39.20 | cps |
| Silver | 109-1 | 1927780 | 2124936 | 4580416 | 2877711 | 51.36 | cps |
| Sodium | 23-2 | 16828433 | 16619641 | 16474733 | 16640936 | 1.07 | cps |
| Strontium | 86-1 | 25458579 | 25295776 | 25673819 | 25476058 | 0.74 | cps |
| Strontium | 88-1 | 220524277 | 224937177 | 219905270 | 221788908 | 1.24 | cps |
| Sulfur | 34-1 | 177882 | 180330 | 180904 | 179705 | 0.89 | cps |
| Terbium | 159-1 | 10442209 | 10158620 | 10023012 | 10207947 | 2.10 | cps |
| Terbium | 159-2 | 6757392 | 6699051 | 6691935 | 6716126 | 0.53 | cps |
| Thallium | 203-1 | 2890482 | 2913367 | 2817100 | 2873650 | 1.75 | cps |
| Thallium | 205-1 | 6702457 | 6823074 | 6769890 | 6765140 | 0.89 | cps |
| Tin | 118-1 | 2655844 | 2715408 | 2675437 | 2682230 | 1.13 | cps |
| Titanium | 47-1 | 6053023 | 5949058 | 5831110 | 5944397 | 1.87 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MS | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:42:31 | DataFile Name : | 080SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8794009 | 8776658 | 8701247 | 8757305 | 0.56 | cps |
| Vanadium | 51-2 | 1221972 | 1230981 | 1207794 | 1220249 | 0.96 | cps |
| Yttrium | 89-1 | 14049243 | 13994436 | 14002195 | 14015291 | 0.21 | cps |
| Yttrium | 89-2 | 3088805 | 3001834 | 3032531 | 3041057 | 1.45 | cps |
| Zinc | 66-2 | 2284898 | 2296648 | 2290850 | 2290799 | 0.26 | cps |
| Zirconium | 90-1 | 6233587 | 6362075 | 6201927 | 6265863 | 1.35 | cps |
| Zirconium | 91-1 | 1382738 | 1389439 | 1396062 | 1389413 | 0.48 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MSDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:45:18 | DataFile Name : | 081SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 579113 | 576168 | 581758 | 579013 | 0.48 | cps |
| Antimony | 121-1 | 634068 | 644221 | 646850 | 641713 | 1.05 | cps |
| Arsenic | 75-2 | 33421 | 34320 | 32703 | 33481 | 2.42 | cps |
| Barium | 135-1 | 748845 | 752109 | 743975 | 748310 | 0.55 | cps |
| Barium | 137-1 | 1292516 | 1310652 | 1293443 | 1298870 | 0.79 | cps |
| Beryllium | 9-1 | 130197 | 134968 | 133455 | 132873 | 1.83 | cps |
| Bismuth | 209-1 | 5738056 | 5691999 | 5662237 | 5697431 | 0.67 | cps |
| Bismuth | 209-2 | 4718517 | 4697039 | 4673251 | 4696269 | 0.48 | cps |
| Bromine | 81-1 | 8212 | 8022 | 8276 | 8170 | 1.61 | cps |
| Bromine | 81-2 | 260 | 213 | 257 | 243 | 10.70 | cps |
| Cadmium | 108-1 | 12292 | 12612 | 12822 | 12576 | 2.12 | cps |
| Cadmium | 106-1 | 19463 | 20041 | 19914 | 19806 | 1.53 | cps |
| Cadmium | 111-1 | 171374 | 170948 | 172269 | 171530 | 0.39 | cps |
| Calcium | 43-1 | 221953 | 219820 | 222440 | 221405 | 0.63 | cps |
| Calcium | 44-1 | 3215579 | 3241825 | 3193710 | 3217038 | 0.75 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 251451 | 252987 | 253349 | 252596 | 0.40 | cps |
| Cobalt | 59-2 | 369033 | 373930 | 373540 | 372168 | 0.73 | cps |
| Copper | 63-2 | 2529041 | 2595880 | 2558592 | 2561171 | 1.31 | cps |
| Dysprosium | 156-1 | 26131 | 26675 | 26829 | 26545 | 1.38 | cps |
| Dysprosium | 156-2 | 20495 | 21086 | 20488 | 20690 | 1.66 | cps |
| Erbium | 164-1 | 25193 | 25660 | 25807 | 25553 | 1.26 | cps |
| Erbium | 164-2 | 17528 | 16543 | 16720 | 16930 | 3.10 | cps |
| Gadolinium | 160-1 | 26786 | 27113 | 27140 | 27013 | 0.73 | cps |
| Gadolinium | 160-2 | 20265 | 19807 | 19156 | 19743 | 2.82 | cps |
| Holmium | 165-1 | 9316488 | 9764335 | 9374154 | 9484992 | 2.57 | cps |
| Holmium | 165-2 | 6630454 | 6616596 | 6597190 | 6614747 | 0.25 | cps |
| Indium | 115-1 | 8181186 | 8214596 | 7908236 | 8101339 | 2.07 | cps |
| Indium | 115-2 | 2531650 | 2545713 | 2542952 | 2540105 | 0.29 | cps |
| Iron | 56-2 | 15329844 | 15176121 | 15264537 | 15256834 | 0.51 | cps |
| Iron | 57-2 | 394705 | 398743 | 399890 | 397780 | 0.68 | cps |
| Iron | 54-2 | 876459 | 878502 | 883186 | 879382 | 0.39 | cps |
| Krypton | 83-1 | 223 | 290 | 253 | 256 | 13.07 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MSDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:45:18 | DataFile Name : | 081SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2201436 | 2200866 | 2172722 | 2191675 | 0.75 | cps |
| Lead | 207-1 | 1940606 | 1982948 | 1899291 | 1940948 | 2.16 | cps |
| Lead | 208-1 | 8746709 | 8898649 | 8639080 | 8761479 | 1.49 | cps |
| Lithium | 6-1 | 1661131 | 1713683 | 1653663 | 1676159 | 1.95 | cps |
| Magnesium | 24-2 | 2120729 | 2104736 | 2118946 | 2114803 | 0.41 | cps |
| Manganese | 55-2 | 1685901 | 1707350 | 1695218 | 1696156 | 0.63 | cps |
| Molybdenum | 94-1 | 3085938 | 3034468 | 2978493 | 3032967 | 1.77 | cps |
| Molybdenum | 95-1 | 4550552 | 4479666 | 4445230 | 4491816 | 1.20 | cps |
| Molybdenum | 96-1 | 4872542 | 4892745 | 4984882 | 4916723 | 1.22 | cps |
| Molybdenum | 97-1 | 2739655 | 2831595 | 2758611 | 2776620 | 1.75 | cps |
| Molybdenum | 98-1 | 7144106 | 7212389 | 7019356 | 7125284 | 1.37 | cps |
| Neodymium | 150-1 | 42835 | 43681 | 43938 | 43485 | 1.33 | cps |
| Neodymium | 150-2 | 24455 | 24318 | 24451 | 24408 | 0.32 | cps |
| Nickel | 60-2 | 95146 | 95025 | 94475 | 94882 | 0.38 | cps |
| Phosphorus | 31-2 | 390 | 450 | 430 | 423 | 7.22 | cps |
| Potassium | 39-2 | 1302507 | 1327124 | 1301821 | 1310484 | 1.10 | cps |
| Rhodium | 103-1 | 7610424 | 7681604 | 7504031 | 7598687 | 1.18 | cps |
| Rhodium | 103-2 | 4316631 | 4379004 | 4182096 | 4292577 | 2.34 | cps |
| Scandium | 45-1 | 5230613 | 5241881 | 5221406 | 5231300 | 0.20 | cps |
| Scandium | 45-2 | 357363 | 356813 | 359080 | 357752 | 0.33 | cps |
| Selenium | 82-1 | 11318 | 11266 | 11303 | 11296 | 0.24 | cps |
| Selenium | 77-2 | 840 | 1000 | 923 | 921 | 8.69 | cps |
| Selenium | 78-2 | 3140 | 3327 | 3274 | 3247 | 2.96 | cps |
| Silicon | 28-1 | 4855061 | 4928414 | 5014005 | 4932493 | 1.61 | cps |
| Silver | 107-1 | 727084 | 745832 | 738315 | 737077 | 1.28 | cps |
| Silver | 109-1 | 690711 | 697865 | 699654 | 696077 | 0.68 | cps |
| Sodium | 23-2 | 3138471 | 3148141 | 3175858 | 3154156 | 0.62 | cps |
| Strontium | 86-1 | 4806675 | 4949363 | 4904674 | 4886904 | 1.49 | cps |
| Strontium | 88-1 | 42239434 | 42451234 | 43361733 | 42684134 | 1.40 | cps |
| Sulfur | 34-1 | 177212 | 177410 | 175390 | 176671 | 0.63 | cps |
| Terbium | 159-1 | 9910857 | 9903196 | 9859765 | 9891273 | 0.28 | cps |
| Terbium | 159-2 | 6648072 | 6552516 | 6399333 | 6533307 | 1.92 | cps |
| Thallium | 203-1 | 480969 | 488838 | 484943 | 484917 | 0.81 | cps |
| Thallium | 205-1 | 1138500 | 1160530 | 1141113 | 1146714 | 1.05 | cps |
| Tin | 118-1 | 487710 | 493795 | 492794 | 491433 | 0.66 | cps |
| Titanium | 47-1 | 1122532 | 1146693 | 1142976 | 1137400 | 1.14 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MSDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:45:18 | DataFile Name : | 081SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1459302 | 1466138 | 1451534 | 1458991 | 0.50 | cps |
| Vanadium | 51-2 | 231895 | 231979 | 231281 | 231718 | 0.16 | cps |
| Yttrium | 89-1 | 11326402 | 11210592 | 11282810 | 11273268 | 0.52 | cps |
| Yttrium | 89-2 | 2590225 | 2599941 | 2485175 | 2558447 | 2.49 | cps |
| Zinc | 66-2 | 442619 | 439337 | 439884 | 440613 | 0.40 | cps |
| Zirconium | 90-1 | 1142272 | 1173829 | 1160044 | 1158715 | 1.37 | cps |
| Zirconium | 91-1 | 260605 | 260891 | 261606 | 261034 | 0.20 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MSD | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:48:20 | DataFile Name : | 082SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3024871 | 2981225 | 2955297 | 2987131 | 1.18 | cps |
| Antimony | 121-1 | 3743953 | 3761841 | 3726119 | 3743971 | 0.48 | cps |
| Arsenic | 75-2 | 181127 | 178817 | 178341 | 179428 | 0.83 | cps |
| Barium | 135-1 | 4285508 | 4340359 | 4283370 | 4303079 | 0.75 | cps |
| Barium | 137-1 | 7376209 | 7500486 | 7386656 | 7421117 | 0.93 | cps |
| Beryllium | 9-1 | 734034 | 724668 | 738308 | 732337 | 0.95 | cps |
| Bismuth | 209-1 | 5813645 | 5671624 | 5729877 | 5738382 | 1.24 | cps |
| Bismuth | 209-2 | 4777790 | 4786198 | 4793399 | 4785796 | 0.16 | cps |
| Bromine | 81-1 | 11108 | 11605 | 11541 | 11418 | 2.37 | cps |
| Bromine | 81-2 | 953 | 1010 | 1070 | 1011 | 5.77 | cps |
| Cadmium | 108-1 | 67412 | 67707 | 67546 | 67555 | 0.22 | cps |
| Cadmium | 106-1 | 97702 | 98837 | 98867 | 98469 | 0.67 | cps |
| Cadmium | 111-1 | 912534 | 919208 | 915886 | 915876 | 0.36 | cps |
| Calcium | 43-1 | 1166446 | 1169711 | 1163335 | 1166497 | 0.27 | cps |
| Calcium | 44-1 | 16912056 | 17131399 | 16687161 | 16910206 | 1.31 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1334184 | 1332390 | 1328732 | 1331769 | 0.21 | cps |
| Cobalt | 59-2 | 2025251 | 1957510 | 2009526 | 1997429 | 1.77 | cps |
| Copper | 63-2 | 13264909 | 12997467 | 12736752 | 12999709 | 2.03 | cps |
| Dysprosium | 156-1 | 145445 | 144138 | 143717 | 144433 | 0.62 | cps |
| Dysprosium | 156-2 | 110756 | 111102 | 109123 | 110327 | 0.96 | cps |
| Erbium | 164-1 | 136221 | 135994 | 137176 | 136464 | 0.46 | cps |
| Erbium | 164-2 | 91614 | 92393 | 91296 | 91768 | 0.61 | cps |
| Gadolinium | 160-1 | 145113 | 147080 | 144800 | 145664 | 0.85 | cps |
| Gadolinium | 160-2 | 103540 | 101770 | 101995 | 102435 | 0.94 | cps |
| Holmium | 165-1 | 10130383 | 10068085 | 9822459 | 10006976 | 1.63 | cps |
| Holmium | 165-2 | 6803642 | 6850461 | 6828119 | 6827407 | 0.34 | cps |
| Indium | 115-1 | 8489234 | 8369435 | 8261391 | 8373353 | 1.36 | cps |
| Indium | 115-2 | 2679406 | 2516270 | 2540028 | 2578568 | 3.42 | cps |
| Iron | 56-2 | 81879952 | 79571737 | 80660950 | 80704213 | 1.43 | cps |
| Iron | 57-2 | 2064677 | 1963887 | 1978104 | 2002222 | 2.72 | cps |
| Iron | 54-2 | 4585259 | 4440736 | 4298038 | 4441344 | 3.23 | cps |
| Krypton | 83-1 | 427 | 363 | 367 | 386 | 9.24 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MSD | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:48:20 | DataFile Name : | 082SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 11709768 | 11702916 | 11468291 | 11626991 | 1.18 | cps |
| Lead | 207-1 | 10285064 | 10269806 | 10213957 | 10256276 | 0.36 | cps |
| Lead | 208-1 | 46564515 | 46406856 | 46133407 | 46368259 | 0.47 | cps |
| Lithium | 6-1 | 1756303 | 1732914 | 1782531 | 1757250 | 1.41 | cps |
| Magnesium | 24-2 | 11243167 | 10946652 | 10821116 | 11003645 | 1.97 | cps |
| Manganese | 55-2 | 9203429 | 8931204 | 8860242 | 8998291 | 2.01 | cps |
| Molybdenum | 94-1 | 15885553 | 16199578 | 16186454 | 16090528 | 1.10 | cps |
| Molybdenum | 95-1 | 24457141 | 24304665 | 24674947 | 24478918 | 0.76 | cps |
| Molybdenum | 96-1 | 26353880 | 26955709 | 25971332 | 26426973 | 1.88 | cps |
| Molybdenum | 97-1 | 15150229 | 15256529 | 15092344 | 15166367 | 0.55 | cps |
| Molybdenum | 98-1 | 39467256 | 38784666 | 38144482 | 38798801 | 1.70 | cps |
| Neodymium | 150-1 | 234137 | 232001 | 231175 | 232438 | 0.66 | cps |
| Neodymium | 150-2 | 131296 | 128399 | 128927 | 129540 | 1.19 | cps |
| Nickel | 60-2 | 505606 | 497576 | 495808 | 499663 | 1.05 | cps |
| Phosphorus | 31-2 | 2197 | 2344 | 2274 | 2271 | 3.23 | cps |
| Potassium | 39-2 | 6764481 | 6756868 | 6605553 | 6708967 | 1.34 | cps |
| Rhodium | 103-1 | 7779716 | 7671779 | 7695097 | 7715531 | 0.74 | cps |
| Rhodium | 103-2 | 4416726 | 4258522 | 4318649 | 4331299 | 1.84 | cps |
| Scandium | 45-1 | 5730016 | 5777832 | 5622599 | 5710149 | 1.39 | cps |
| Scandium | 45-2 | 389034 | 382450 | 377513 | 382999 | 1.51 | cps |
| Selenium | 82-1 | 60607 | 60855 | 59794 | 60419 | 0.92 | cps |
| Selenium | 77-2 | 5278 | 5301 | 5198 | 5259 | 1.03 | cps |
| Selenium | 78-2 | 16543 | 16513 | 16633 | 16563 | 0.38 | cps |
| Silicon | 28-1 | 25048336 | 24757683 | 25031775 | 24945931 | 0.65 | cps |
| Silver | 107-1 | 2060460 | 6979901 | 4354203 | 4464855 | 55.13 | cps |
| Silver | 109-1 | 2477758 | 4100952 | 5592935 | 4057215 | 38.40 | cps |
| Sodium | 23-2 | 16859458 | 16679324 | 16375649 | 16638144 | 1.47 | cps |
| Strontium | 86-1 | 25735668 | 26136725 | 25715840 | 25862744 | 0.92 | cps |
| Strontium | 88-1 | 225664997 | 227025977 | 227362443 | 226684472 | 0.40 | cps |
| Sulfur | 34-1 | 179201 | 183986 | 183643 | 182277 | 1.46 | cps |
| Terbium | 159-1 | 10389934 | 10308592 | 10305287 | 10334604 | 0.46 | cps |
| Terbium | 159-2 | 6896172 | 6825102 | 6748942 | 6823405 | 1.08 | cps |
| Thallium | 203-1 | 3031329 | 2880550 | 2928109 | 2946663 | 2.62 | cps |
| Thallium | 205-1 | 7065565 | 6973845 | 7008085 | 7015832 | 0.66 | cps |
| Tin | 118-1 | 2729249 | 2710460 | 2746669 | 2728793 | 0.66 | cps |
| Titanium | 47-1 | 6027761 | 6122163 | 5880088 | 6010004 | 2.03 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MSD | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:48:20 | DataFile Name : | 082SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8808400 | 8815041 | 9025195 | 8882879 | 1.39 | cps |
| Vanadium | 51-2 | 1273134 | 1247636 | 1245531 | 1255434 | 1.22 | cps |
| Yttrium | 89-1 | 13635775 | 14016623 | 13797018 | 13816472 | 1.38 | cps |
| Yttrium | 89-2 | 3080132 | 3074084 | 3126854 | 3093690 | 0.93 | cps |
| Zinc | 66-2 | 2349894 | 2333010 | 2271547 | 2318151 | 1.78 | cps |
| Zirconium | 90-1 | 6309619 | 6348270 | 6370287 | 6342725 | 0.48 | cps |
| Zirconium | 91-1 | 1423946 | 1430988 | 1439839 | 1431591 | 0.56 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MSDDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:51:04 | DataFile Name : | 083SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 591159 | 586512 | 588790 | 588820 | 0.39 | cps |
| Antimony | 121-1 | 669389 | 675235 | 681243 | 675289 | 0.88 | cps |
| Arsenic | 75-2 | 34864 | 35369 | 34938 | 35057 | 0.78 | cps |
| Barium | 135-1 | 749284 | 767529 | 760727 | 759180 | 1.21 | cps |
| Barium | 137-1 | 1302034 | 1317686 | 1312997 | 1310906 | 0.61 | cps |
| Beryllium | 9-1 | 137048 | 136283 | 140936 | 138089 | 1.81 | cps |
| Bismuth | 209-1 | 5690688 | 5688877 | 5801407 | 5726991 | 1.13 | cps |
| Bismuth | 209-2 | 4850694 | 4785470 | 4804117 | 4813427 | 0.70 | cps |
| Bromine | 81-1 | 8442 | 8349 | 8806 | 8533 | 2.83 | cps |
| Bromine | 81-2 | 217 | 273 | 263 | 251 | 12.05 | cps |
| Cadmium | 108-1 | 12946 | 13006 | 12576 | 12842 | 1.82 | cps |
| Cadmium | 106-1 | 21052 | 20959 | 20872 | 20961 | 0.43 | cps |
| Cadmium | 111-1 | 176900 | 178356 | 179325 | 178194 | 0.68 | cps |
| Calcium | 43-1 | 220213 | 222138 | 222594 | 221648 | 0.57 | cps |
| Calcium | 44-1 | 3238800 | 3236990 | 3240920 | 3238903 | 0.06 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 263196 | 262414 | 261227 | 262279 | 0.38 | cps |
| Cobalt | 59-2 | 386612 | 390100 | 384068 | 386927 | 0.78 | cps |
| Copper | 63-2 | 2620395 | 2572985 | 2571817 | 2588399 | 1.07 | cps |
| Dysprosium | 156-1 | 26846 | 27407 | 26746 | 26999 | 1.32 | cps |
| Dysprosium | 156-2 | 21046 | 20849 | 21330 | 21075 | 1.15 | cps |
| Erbium | 164-1 | 25871 | 25497 | 25537 | 25635 | 0.80 | cps |
| Erbium | 164-2 | 17291 | 17675 | 17261 | 17409 | 1.33 | cps |
| Gadolinium | 160-1 | 27240 | 27574 | 27437 | 27417 | 0.61 | cps |
| Gadolinium | 160-2 | 20028 | 20268 | 20205 | 20167 | 0.62 | cps |
| Holmium | 165-1 | 9700532 | 9569435 | 9321654 | 9530540 | 2.02 | cps |
| Holmium | 165-2 | 6623420 | 6630741 | 6847105 | 6700422 | 1.90 | cps |
| Indium | 115-1 | 8157434 | 8185200 | 8160628 | 8167754 | 0.19 | cps |
| Indium | 115-2 | 2572593 | 2597920 | 2654788 | 2608434 | 1.61 | cps |
| Iron | 56-2 | 15621206 | 15415684 | 15376261 | 15471050 | 0.85 | cps |
| Iron | 57-2 | 405294 | 404106 | 402301 | 403901 | 0.37 | cps |
| Iron | 54-2 | 896007 | 896479 | 892179 | 894888 | 0.26 | cps |
| Krypton | 83-1 | 197 | 247 | 227 | 223 | 11.27 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MSDDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:51:04 | DataFile Name : | 083SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2206944 | 2203408 | 2208174 | 2206175 | 0.11 | cps |
| Lead | 207-1 | 1960918 | 1967568 | 1966810 | 1965099 | 0.19 | cps |
| Lead | 208-1 | 8788780 | 8825421 | 8865943 | 8826715 | 0.44 | cps |
| Lithium | 6-1 | 1655581 | 1655302 | 1700590 | 1670491 | 1.56 | cps |
| Magnesium | 24-2 | 2162201 | 2137528 | 2109785 | 2136505 | 1.23 | cps |
| Manganese | 55-2 | 1706458 | 1731677 | 1726317 | 1721484 | 0.77 | cps |
| Molybdenum | 94-1 | 3023172 | 3043904 | 3113656 | 3060244 | 1.55 | cps |
| Molybdenum | 95-1 | 4651629 | 4555109 | 4505595 | 4570778 | 1.62 | cps |
| Molybdenum | 96-1 | 5067008 | 5028768 | 4852602 | 4982793 | 2.30 | cps |
| Molybdenum | 97-1 | 2784181 | 2801610 | 2908026 | 2831272 | 2.37 | cps |
| Molybdenum | 98-1 | 7290435 | 7130811 | 7385456 | 7268901 | 1.77 | cps |
| Neodymium | 150-1 | 43908 | 44129 | 43082 | 43706 | 1.26 | cps |
| Neodymium | 150-2 | 24047 | 24959 | 24268 | 24425 | 1.95 | cps |
| Nickel | 60-2 | 99310 | 99488 | 98142 | 98980 | 0.74 | cps |
| Phosphorus | 31-2 | 523 | 600 | 503 | 542 | 9.41 | cps |
| Potassium | 39-2 | 1312473 | 1340857 | 1340123 | 1331151 | 1.22 | cps |
| Rhodium | 103-1 | 7550596 | 7696114 | 7672253 | 7639654 | 1.02 | cps |
| Rhodium | 103-2 | 4280892 | 4389233 | 4312386 | 4327503 | 1.29 | cps |
| Scandium | 45-1 | 5294769 | 5195326 | 5312427 | 5267507 | 1.20 | cps |
| Scandium | 45-2 | 361393 | 359419 | 361758 | 360857 | 0.35 | cps |
| Selenium | 82-1 | 11570 | 11622 | 11537 | 11576 | 0.37 | cps |
| Selenium | 77-2 | 1017 | 963 | 993 | 991 | 2.70 | cps |
| Selenium | 78-2 | 3360 | 3414 | 3407 | 3394 | 0.86 | cps |
| Silicon | 28-1 | 4970103 | 4872699 | 5253488 | 5032097 | 3.93 | cps |
| Silver | 107-1 | 739052 | 746088 | 752293 | 745811 | 0.89 | cps |
| Silver | 109-1 | 686122 | 712304 | 707619 | 702015 | 1.99 | cps |
| Sodium | 23-2 | 3202329 | 3196407 | 3193477 | 3197404 | 0.14 | cps |
| Strontium | 86-1 | 4864582 | 4774551 | 4855104 | 4831412 | 1.02 | cps |
| Strontium | 88-1 | 42592380 | 42488593 | 41830643 | 42303872 | 0.98 | cps |
| Sulfur | 34-1 | 178432 | 177443 | 177987 | 177954 | 0.28 | cps |
| Terbium | 159-1 | 9915270 | 9977947 | 9806889 | 9900035 | 0.87 | cps |
| Terbium | 159-2 | 6683429 | 6595872 | 6680613 | 6653304 | 0.75 | cps |
| Thallium | 203-1 | 495863 | 501737 | 499853 | 499151 | 0.60 | cps |
| Thallium | 205-1 | 1181954 | 1197995 | 1197269 | 1192406 | 0.76 | cps |
| Tin | 118-1 | 493726 | 496267 | 501721 | 497238 | 0.82 | cps |
| Titanium | 47-1 | 1145600 | 1160427 | 1166036 | 1157354 | 0.91 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08MSDDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:51:04 | DataFile Name : | 083SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1512002 | 1517857 | 1524031 | 1517963 | 0.40 | cps |
| Vanadium | 51-2 | 240662 | 238742 | 240335 | 239913 | 0.43 | cps |
| Yttrium | 89-1 | 11387957 | 11246163 | 11174336 | 11269485 | 0.96 | cps |
| Yttrium | 89-2 | 2540487 | 2600397 | 2650868 | 2597251 | 2.13 | cps |
| Zinc | 66-2 | 447186 | 444293 | 445322 | 445600 | 0.33 | cps |
| Zirconium | 90-1 | 1198217 | 1196578 | 1202544 | 1199113 | 0.26 | cps |
| Zirconium | 91-1 | 267981 | 270269 | 269719 | 269323 | 0.44 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08A | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:54:06 | DataFile Name : | 084SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3133379 | 3118481 | 3095834 | 3115898 | 0.61 | cps |
| Antimony | 121-1 | 3705954 | 3694369 | 3736630 | 3712318 | 0.59 | cps |
| Arsenic | 75-2 | 182790 | 183044 | 179572 | 181802 | 1.06 | cps |
| Barium | 135-1 | 4346273 | 4313071 | 4300985 | 4320110 | 0.54 | cps |
| Barium | 137-1 | 7431558 | 7462125 | 7425220 | 7439634 | 0.27 | cps |
| Beryllium | 9-1 | 726841 | 745214 | 742819 | 738291 | 1.35 | cps |
| Bismuth | 209-1 | 5992337 | 5974438 | 5841782 | 5936186 | 1.39 | cps |
| Bismuth | 209-2 | 4995546 | 4827593 | 4832859 | 4885333 | 1.95 | cps |
| Bromine | 81-1 | 11071 | 11438 | 12279 | 11596 | 5.34 | cps |
| Bromine | 81-2 | 1060 | 1137 | 1067 | 1088 | 3.90 | cps |
| Cadmium | 108-1 | 67416 | 67426 | 67533 | 67458 | 0.10 | cps |
| Cadmium | 106-1 | 97317 | 99172 | 97897 | 98129 | 0.97 | cps |
| Cadmium | 111-1 | 926395 | 917695 | 935502 | 926531 | 0.96 | cps |
| Calcium | 43-1 | 1197323 | 1208303 | 1194273 | 1199966 | 0.61 | cps |
| Calcium | 44-1 | 17554186 | 17516296 | 17465668 | 17512050 | 0.25 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1350018 | 1316462 | 1327468 | 1331316 | 1.28 | cps |
| Cobalt | 59-2 | 2048941 | 2014462 | 2014460 | 2025954 | 0.98 | cps |
| Copper | 63-2 | 13359695 | 13000813 | 12743321 | 13034610 | 2.38 | cps |
| Dysprosium | 156-1 | 143074 | 145967 | 145401 | 144814 | 1.06 | cps |
| Dysprosium | 156-2 | 110914 | 109735 | 110850 | 110499 | 0.60 | cps |
| Erbium | 164-1 | 137462 | 137103 | 138351 | 137638 | 0.47 | cps |
| Erbium | 164-2 | 91850 | 92957 | 91819 | 92208 | 0.70 | cps |
| Gadolinium | 160-1 | 146322 | 148886 | 145581 | 146930 | 1.18 | cps |
| Gadolinium | 160-2 | 104947 | 102791 | 102824 | 103520 | 1.19 | cps |
| Holmium | 165-1 | 10297737 | 10061699 | 10095307 | 10151581 | 1.26 | cps |
| Holmium | 165-2 | 6984435 | 6974160 | 6849126 | 6935907 | 1.09 | cps |
| Indium | 115-1 | 8700451 | 8235230 | 8407175 | 8447619 | 2.78 | cps |
| Indium | 115-2 | 2605976 | 2611698 | 2571380 | 2596351 | 0.84 | cps |
| Iron | 56-2 | 80032264 | 80308445 | 79974870 | 80105193 | 0.22 | cps |
| Iron | 57-2 | 1980233 | 2012027 | 2027446 | 2006568 | 1.20 | cps |
| Iron | 54-2 | 4420076 | 4350553 | 4416592 | 4395740 | 0.89 | cps |
| Krypton | 83-1 | 393 | 403 | 380 | 392 | 2.98 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08A | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:54:06 | DataFile Name : | 084SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 11792007 | 11702059 | 11592058 | 11695375 | 0.86 | cps |
| Lead | 207-1 | 10393048 | 10346181 | 10156345 | 10298525 | 1.22 | cps |
| Lead | 208-1 | 46751104 | 46953757 | 45856836 | 46520566 | 1.25 | cps |
| Lithium | 6-1 | 1799384 | 1820641 | 1819066 | 1813030 | 0.65 | cps |
| Magnesium | 24-2 | 10965001 | 11120363 | 11104513 | 11063292 | 0.77 | cps |
| Manganese | 55-2 | 8799835 | 8812898 | 8809725 | 8807486 | 0.08 | cps |
| Molybdenum | 94-1 | 16418059 | 16338120 | 16235050 | 16330410 | 0.56 | cps |
| Molybdenum | 95-1 | 24322399 | 24478660 | 23882442 | 24227834 | 1.28 | cps |
| Molybdenum | 96-1 | 26519313 | 26841712 | 26296111 | 26552379 | 1.03 | cps |
| Molybdenum | 97-1 | 15122247 | 14959751 | 15275501 | 15119167 | 1.04 | cps |
| Molybdenum | 98-1 | 39204673 | 38548397 | 39101249 | 38951439 | 0.91 | cps |
| Neodymium | 150-1 | 234146 | 233658 | 235780 | 234528 | 0.47 | cps |
| Neodymium | 150-2 | 129505 | 130077 | 128846 | 129476 | 0.48 | cps |
| Nickel | 60-2 | 502766 | 499727 | 500037 | 500843 | 0.33 | cps |
| Phosphorus | 31-2 | 1893 | 2020 | 1757 | 1890 | 6.97 | cps |
| Potassium | 39-2 | 6821006 | 6774887 | 6726527 | 6774140 | 0.70 | cps |
| Rhodium | 103-1 | 8034083 | 7769224 | 7794331 | 7865879 | 1.86 | cps |
| Rhodium | 103-2 | 4375933 | 4384215 | 4305122 | 4355090 | 1.00 | cps |
| Scandium | 45-1 | 5823181 | 5743091 | 5811017 | 5792430 | 0.75 | cps |
| Scandium | 45-2 | 390857 | 386936 | 384389 | 387394 | 0.84 | cps |
| Selenium | 82-1 | 59865 | 60619 | 60564 | 60350 | 0.70 | cps |
| Selenium | 77-2 | 5024 | 5218 | 5304 | 5182 | 2.77 | cps |
| Selenium | 78-2 | 16189 | 17033 | 16202 | 16475 | 2.94 | cps |
| Silicon | 28-1 | 32630401 | 31118660 | 31950365 | 31899809 | 2.37 | cps |
| Silver | 107-1 | 2544904 | 3610710 | 2975870 | 3043828 | 17.61 | cps |
| Silver | 109-1 | 1695095 | 2748543 | 1297872 | 1913837 | 39.17 | cps |
| Sodium | 23-2 | 16784623 | 16680399 | 16399214 | 16621412 | 1.20 | cps |
| Strontium | 86-1 | 25431739 | 25814545 | 26031680 | 25759321 | 1.18 | cps |
| Strontium | 88-1 | 226582297 | 226925617 | 227096450 | 226868121 | 0.12 | cps |
| Sulfur | 34-1 | 185660 | 184877 | 184408 | 184982 | 0.34 | cps |
| Terbium | 159-1 | 10593232 | 10462582 | 10477453 | 10511089 | 0.68 | cps |
| Terbium | 159-2 | 6758668 | 6804409 | 6823825 | 6795634 | 0.49 | cps |
| Thallium | 203-1 | 3026311 | 3045489 | 3075391 | 3049063 | 0.81 | cps |
| Thallium | 205-1 | 7018416 | 7178554 | 7129541 | 7108837 | 1.15 | cps |
| Tin | 118-1 | 2805959 | 2704963 | 2747966 | 2752963 | 1.84 | cps |
| Titanium | 47-1 | 6101492 | 6042680 | 6055757 | 6066643 | 0.51 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08A | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:54:06 | DataFile Name : | 084SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 9216497 | 9073509 | 9220588 | 9170198 | 0.91 | cps |
| Vanadium | 51-2 | 1240367 | 1266451 | 1261811 | 1256210 | 1.11 | cps |
| Yttrium | 89-1 | 13968010 | 13961652 | 13841849 | 13923837 | 0.51 | cps |
| Yttrium | 89-2 | 3095065 | 3147460 | 3032905 | 3091810 | 1.85 | cps |
| Zinc | 66-2 | 2321817 | 2295547 | 2246339 | 2287901 | 1.67 | cps |
| Zirconium | 90-1 | 6435600 | 6494050 | 6459224 | 6462958 | 0.45 | cps |
| Zirconium | 91-1 | 1450639 | 1451314 | 1442718 | 1448223 | 0.33 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08ADLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:56:51 | DataFile Name : | 085SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 593490 | 597055 | 593363 | 594636 | 0.35 | cps |
| Antimony | 121-1 | 641768 | 652357 | 648704 | 647609 | 0.83 | cps |
| Arsenic | 75-2 | 33925 | 34273 | 33595 | 33931 | 1.00 | cps |
| Barium | 135-1 | 728705 | 735978 | 742428 | 735704 | 0.93 | cps |
| Barium | 137-1 | 1273912 | 1274449 | 1285191 | 1277850 | 0.50 | cps |
| Beryllium | 9-1 | 137991 | 136776 | 137664 | 137477 | 0.46 | cps |
| Bismuth | 209-1 | 5776724 | 5695891 | 5710667 | 5727761 | 0.75 | cps |
| Bismuth | 209-2 | 4811755 | 4752274 | 4859852 | 4807960 | 1.12 | cps |
| Bromine | 81-1 | 8833 | 8853 | 8116 | 8600 | 4.88 | cps |
| Bromine | 81-2 | 283 | 317 | 287 | 296 | 6.21 | cps |
| Cadmium | 108-1 | 12772 | 12799 | 12329 | 12633 | 2.09 | cps |
| Cadmium | 106-1 | 20087 | 19994 | 20091 | 20057 | 0.27 | cps |
| Cadmium | 111-1 | 174098 | 175177 | 174718 | 174664 | 0.31 | cps |
| Calcium | 43-1 | 223934 | 220153 | 222161 | 222083 | 0.85 | cps |
| Calcium | 44-1 | 3134991 | 3186929 | 3202098 | 3174673 | 1.11 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 257675 | 256240 | 257194 | 257036 | 0.28 | cps |
| Cobalt | 59-2 | 376399 | 380531 | 378496 | 378475 | 0.55 | cps |
| Copper | 63-2 | 2508120 | 2496859 | 2535593 | 2513524 | 0.79 | cps |
| Dysprosium | 156-1 | 26565 | 26569 | 26221 | 26452 | 0.75 | cps |
| Dysprosium | 156-2 | 20552 | 20118 | 21056 | 20575 | 2.28 | cps |
| Erbium | 164-1 | 24902 | 24278 | 24168 | 24449 | 1.62 | cps |
| Erbium | 164-2 | 17214 | 16954 | 16957 | 17042 | 0.88 | cps |
| Gadolinium | 160-1 | 25841 | 26672 | 26288 | 26267 | 1.58 | cps |
| Gadolinium | 160-2 | 19240 | 19360 | 19103 | 19234 | 0.67 | cps |
| Holmium | 165-1 | 9589661 | 9446174 | 9419905 | 9485247 | 0.96 | cps |
| Holmium | 165-2 | 6491962 | 6601974 | 6727409 | 6607115 | 1.78 | cps |
| Indium | 115-1 | 8160622 | 8074784 | 8191109 | 8142172 | 0.74 | cps |
| Indium | 115-2 | 2583429 | 2528861 | 2539512 | 2550601 | 1.13 | cps |
| Iron | 56-2 | 15280668 | 15074180 | 15030279 | 15128376 | 0.88 | cps |
| Iron | 57-2 | 396517 | 394900 | 396342 | 395920 | 0.22 | cps |
| Iron | 54-2 | 868598 | 871206 | 867215 | 869006 | 0.23 | cps |
| Krypton | 83-1 | 190 | 240 | 210 | 213 | 11.80 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08ADLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:56:51 | DataFile Name : | 085SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2170339 | 2103892 | 2101132 | 2125121 | 1.84 | cps |
| Lead | 207-1 | 1919700 | 1902122 | 1868773 | 1896865 | 1.36 | cps |
| Lead | 208-1 | 8745738 | 8545340 | 8588693 | 8626590 | 1.22 | cps |
| Lithium | 6-1 | 1721568 | 1647620 | 1711369 | 1693519 | 2.37 | cps |
| Magnesium | 24-2 | 2040412 | 2105608 | 2111580 | 2085867 | 1.89 | cps |
| Manganese | 55-2 | 1666764 | 1683413 | 1668011 | 1672729 | 0.55 | cps |
| Molybdenum | 94-1 | 3010178 | 2937716 | 2994295 | 2980730 | 1.28 | cps |
| Molybdenum | 95-1 | 4454032 | 4469520 | 4488188 | 4470580 | 0.38 | cps |
| Molybdenum | 96-1 | 4766078 | 4774595 | 4813558 | 4784744 | 0.53 | cps |
| Molybdenum | 97-1 | 2748780 | 2746614 | 2741756 | 2745717 | 0.13 | cps |
| Molybdenum | 98-1 | 7102956 | 7090285 | 7185191 | 7126144 | 0.72 | cps |
| Neodymium | 150-1 | 42330 | 42216 | 43264 | 42603 | 1.35 | cps |
| Neodymium | 150-2 | 24815 | 24378 | 23910 | 24368 | 1.86 | cps |
| Nickel | 60-2 | 96880 | 96796 | 95103 | 96260 | 1.04 | cps |
| Phosphorus | 31-2 | 480 | 440 | 450 | 457 | 4.56 | cps |
| Potassium | 39-2 | 1300865 | 1296299 | 1286933 | 1294699 | 0.55 | cps |
| Rhodium | 103-1 | 7651322 | 7680394 | 7622285 | 7651333 | 0.38 | cps |
| Rhodium | 103-2 | 4343721 | 4332124 | 4260926 | 4312257 | 1.04 | cps |
| Scandium | 45-1 | 5256581 | 5154994 | 5278121 | 5229899 | 1.26 | cps |
| Scandium | 45-2 | 352481 | 355704 | 355119 | 354435 | 0.48 | cps |
| Selenium | 82-1 | 11609 | 11299 | 11361 | 11423 | 1.43 | cps |
| Selenium | 77-2 | 990 | 863 | 930 | 928 | 6.83 | cps |
| Selenium | 78-2 | 3350 | 3304 | 3377 | 3344 | 1.11 | cps |
| Silicon | 28-1 | 5879332 | 5650675 | 5884145 | 5804717 | 2.30 | cps |
| Silver | 107-1 | 743054 | 742180 | 737049 | 740761 | 0.44 | cps |
| Silver | 109-1 | 692631 | 696560 | 700499 | 696563 | 0.56 | cps |
| Sodium | 23-2 | 3116554 | 3123648 | 3101999 | 3114067 | 0.35 | cps |
| Strontium | 86-1 | 4762775 | 4745798 | 4780858 | 4763144 | 0.37 | cps |
| Strontium | 88-1 | 41425005 | 41796050 | 42355381 | 41858812 | 1.12 | cps |
| Sulfur | 34-1 | 176395 | 173947 | 173957 | 174766 | 0.81 | cps |
| Terbium | 159-1 | 10003297 | 9607703 | 9842772 | 9817924 | 2.03 | cps |
| Terbium | 159-2 | 6540949 | 6507319 | 6550507 | 6532925 | 0.35 | cps |
| Thallium | 203-1 | 488737 | 494521 | 491401 | 491553 | 0.59 | cps |
| Thallium | 205-1 | 1176904 | 1163910 | 1164817 | 1168544 | 0.62 | cps |
| Tin | 118-1 | 480436 | 486375 | 488776 | 485195 | 0.88 | cps |
| Titanium | 47-1 | 1112215 | 1120339 | 1117760 | 1116771 | 0.37 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3580-08ADLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | 922-K1-SD-0.5-1-081224 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 20:56:51 | DataFile Name : | 085SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1483167 | 1492551 | 1490404 | 1488707 | 0.33 | cps |
| Vanadium | 51-2 | 238185 | 233825 | 236766 | 236259 | 0.94 | cps |
| Yttrium | 89-1 | 11549967 | 11494099 | 11393696 | 11479254 | 0.69 | cps |
| Yttrium | 89-2 | 2588562 | 2597316 | 2530396 | 2572091 | 1.41 | cps |
| Zinc | 66-2 | 429149 | 432611 | 427503 | 429754 | 0.61 | cps |
| Zirconium | 90-1 | 1163644 | 1179141 | 1167412 | 1170066 | 0.69 | cps |
| Zirconium | 91-1 | 260739 | 265376 | 266036 | 264050 | 1.09 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-02RE | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MSR | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:59:53 | DataFile Name : | 086SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1088545 | 1088079 | 1098064 | 1091563 | 0.52 | cps |
| Antimony | 121-1 | 3504157 | 3541227 | 3576875 | 3540753 | 1.03 | cps |
| Arsenic | 75-2 | 173225 | 173680 | 172116 | 173007 | 0.46 | cps |
| Barium | 135-1 | 3948533 | 3944498 | 4012025 | 3968352 | 0.95 | cps |
| Barium | 137-1 | 6784490 | 6890508 | 6881111 | 6852036 | 0.86 | cps |
| Beryllium | 9-1 | 699475 | 718064 | 717329 | 711623 | 1.48 | cps |
| Bismuth | 209-1 | 5361025 | 5483317 | 5530477 | 5458273 | 1.60 | cps |
| Bismuth | 209-2 | 4474247 | 4633729 | 4581491 | 4563156 | 1.78 | cps |
| Bromine | 81-1 | 24380 | 29787 | 33007 | 29058 | 15.00 | cps |
| Bromine | 81-2 | 4711 | 4534 | 4961 | 4735 | 4.53 | cps |
| Cadmium | 108-1 | 63622 | 64603 | 64680 | 64302 | 0.92 | cps |
| Cadmium | 106-1 | 92016 | 94626 | 95089 | 93910 | 1.76 | cps |
| Cadmium | 111-1 | 867183 | 875269 | 879335 | 873929 | 0.71 | cps |
| Calcium | 43-1 | 1323690 | 1367035 | 1371800 | 1354175 | 1.96 | cps |
| Calcium | 44-1 | 20466876 | 21048408 | 20957189 | 20824158 | 1.50 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1199419 | 1194870 | 1199000 | 1197763 | 0.21 | cps |
| Cobalt | 59-2 | 1976384 | 1919444 | 1905895 | 1933908 | 1.93 | cps |
| Copper | 63-2 | 12248201 | 12255519 | 12232676 | 12245465 | 0.10 | cps |
| Dysprosium | 156-1 | 340 | 300 | 353 | 331 | 8.38 | cps |
| Dysprosium | 156-2 | 370 | 353 | 397 | 373 | 5.86 | cps |
| Erbium | 164-1 | 310 | 300 | 310 | 307 | 1.88 | cps |
| Erbium | 164-2 | 203 | 213 | 247 | 221 | 10.26 | cps |
| Gadolinium | 160-1 | 283 | 307 | 297 | 296 | 3.96 | cps |
| Gadolinium | 160-2 | 457 | 487 | 433 | 459 | 5.83 | cps |
| Holmium | 165-1 | 9312142 | 9563106 | 9546369 | 9473872 | 1.48 | cps |
| Holmium | 165-2 | 6532337 | 6776954 | 6542784 | 6617358 | 2.09 | cps |
| Indium | 115-1 | 7876743 | 8031236 | 7784880 | 7897620 | 1.58 | cps |
| Indium | 115-2 | 2519624 | 2503784 | 2506410 | 2509939 | 0.34 | cps |
| Iron | 56-2 | 55242913 | 55388953 | 54317598 | 54983154 | 1.06 | cps |
| Iron | 57-2 | 1392590 | 1367549 | 1369945 | 1376695 | 1.00 | cps |
| Iron | 54-2 | 2972955 | 2992215 | 3003670 | 2989613 | 0.52 | cps |
| Krypton | 83-1 | 167 | 223 | 150 | 180 | 21.36 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-02RE | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MSRI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:59:53 | DataFile Name : | 086SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10559953 | 10857329 | 10574283 | 10663855 | 1.57 | cps |
| Lead | 207-1 | 9479335 | 9621613 | 9632778 | 9577909 | 0.89 | cps |
| Lead | 208-1 | 42262447 | 43306420 | 43380921 | 42983263 | 1.45 | cps |
| Lithium | 6-1 | 1679130 | 1663713 | 1684519 | 1675787 | 0.64 | cps |
| Magnesium | 24-2 | 10583538 | 10651362 | 10642825 | 10625908 | 0.35 | cps |
| Manganese | 55-2 | 8743499 | 8807264 | 8940289 | 8830351 | 1.14 | cps |
| Molybdenum | 94-1 | 15111796 | 15101169 | 15394169 | 15202378 | 1.09 | cps |
| Molybdenum | 95-1 | 22660716 | 22949490 | 22847857 | 22819354 | 0.64 | cps |
| Molybdenum | 96-1 | 24537301 | 25071512 | 25126935 | 24911916 | 1.31 | cps |
| Molybdenum | 97-1 | 14135376 | 14192753 | 14625406 | 14317845 | 1.87 | cps |
| Molybdenum | 98-1 | 36118528 | 36854491 | 36793078 | 36588699 | 1.12 | cps |
| Neodymium | 150-1 | 513 | 577 | 540 | 543 | 5.85 | cps |
| Neodymium | 150-2 | 207 | 227 | 210 | 214 | 5.00 | cps |
| Nickel | 60-2 | 467595 | 471837 | 475554 | 471662 | 0.84 | cps |
| Phosphorus | 31-2 | 657 | 767 | 733 | 719 | 7.85 | cps |
| Potassium | 39-2 | 6469166 | 6434249 | 6430538 | 6444651 | 0.33 | cps |
| Rhodium | 103-1 | 7267665 | 7427413 | 7245927 | 7313668 | 1.36 | cps |
| Rhodium | 103-2 | 4116741 | 4117127 | 4102723 | 4112197 | 0.20 | cps |
| Scandium | 45-1 | 5046063 | 5053560 | 5024103 | 5041242 | 0.30 | cps |
| Scandium | 45-2 | 346204 | 349042 | 351403 | 348883 | 0.75 | cps |
| Selenium | 82-1 | 56060 | 56576 | 58008 | 56882 | 1.77 | cps |
| Selenium | 77-2 | 4664 | 4767 | 4511 | 4647 | 2.78 | cps |
| Selenium | 78-2 | 15415 | 15785 | 15745 | 15648 | 1.30 | cps |
| Silicon | 28-1 | 11181842 | 11594987 | 11259647 | 11345492 | 1.94 | cps |
| Silver | 107-1 | 2569179 | 4127069 | 3280369 | 3325539 | 23.45 | cps |
| Silver | 109-1 | 1897025 | 3448091 | 1800519 | 2381878 | 38.82 | cps |
| Sodium | 23-2 | 34508671 | 34565445 | 34278829 | 34450982 | 0.44 | cps |
| Strontium | 86-1 | 24136574 | 25063477 | 24885780 | 24695277 | 1.99 | cps |
| Strontium | 88-1 | 215044363 | 214002990 | 223191970 | 217413108 | 2.31 | cps |
| Sulfur | 34-1 | 262285 | 269535 | 269671 | 267164 | 1.58 | cps |
| Terbium | 159-1 | 9710431 | 10110119 | 9952354 | 9924302 | 2.03 | cps |
| Terbium | 159-2 | 6496372 | 6413322 | 6504916 | 6471537 | 0.78 | cps |
| Thallium | 203-1 | 2816582 | 2824182 | 2918323 | 2853029 | 1.99 | cps |
| Thallium | 205-1 | 6755745 | 6630686 | 6920431 | 6768954 | 2.15 | cps |
| Tin | 118-1 | 2485551 | 2502679 | 2548000 | 2512077 | 1.28 | cps |
| Titanium | 47-1 | 5265098 | 5622797 | 5297599 | 5395165 | 3.67 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-02RE | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MSR | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 20:59:53 | DataFile Name : | 086SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8664179 | 8943350 | 9014628 | 8874052 | 2.09 | cps |
| Vanadium | 51-2 | 1112235 | 1110364 | 1111778 | 1111459 | 0.09 | cps |
| Yttrium | 89-1 | 10816442 | 10917889 | 10829076 | 10854469 | 0.51 | cps |
| Yttrium | 89-2 | 2413006 | 2412582 | 2442512 | 2422700 | 0.71 | cps |
| Zinc | 66-2 | 2132247 | 2160599 | 2144582 | 2145809 | 0.66 | cps |
| Zirconium | 90-1 | 6039642 | 6078245 | 6154534 | 6090807 | 0.96 | cps |
| Zirconium | 91-1 | 1330689 | 1349458 | 1375137 | 1351761 | 1.65 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV06 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV06 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:02:38 | DataFile Name : | 087CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5685256 | 5630280 | 5643980 | 5653172 | 0.51 | cps |
| Antimony | 121-1 | 3359030 | 3389906 | 3333237 | 3360724 | 0.84 | cps |
| Arsenic | 75-2 | 156580 | 157674 | 159820 | 158025 | 1.04 | cps |
| Barium | 135-1 | 3958003 | 4004324 | 3860203 | 3940843 | 1.87 | cps |
| Barium | 137-1 | 6747493 | 6819056 | 6674880 | 6747143 | 1.07 | cps |
| Beryllium | 9-1 | 658045 | 659168 | 672715 | 663309 | 1.23 | cps |
| Bismuth | 209-1 | 5424461 | 5425917 | 5424814 | 5425064 | 0.01 | cps |
| Bismuth | 209-2 | 4460324 | 4112576 | 4903661 | 4492187 | 8.83 | cps |
| Bromine | 81-1 | 10597 | 9953 | 9426 | 9992 | 5.87 | cps |
| Bromine | 81-2 | 297 | 253 | 290 | 280 | 8.33 | cps |
| Cadmium | 108-1 | 56690 | 55546 | 57467 | 56568 | 1.71 | cps |
| Cadmium | 106-1 | 83931 | 84051 | 83824 | 83935 | 0.14 | cps |
| Cadmium | 111-1 | 764670 | 781175 | 773585 | 773143 | 1.07 | cps |
| Calcium | 43-1 | 4851587 | 4855923 | 4858638 | 4855383 | 0.07 | cps |
| Calcium | 44-1 | 77332804 | 76695357 | 78142707 | 77390289 | 0.94 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1114955 | 1120738 | 1131093 | 1122262 | 0.73 | cps |
| Cobalt | 59-2 | 1708128 | 1685199 | 1711859 | 1701729 | 0.85 | cps |
| Copper | 63-2 | 11628882 | 11704920 | 11694814 | 11676206 | 0.35 | cps |
| Dysprosium | 156-1 | 233 | 237 | 203 | 224 | 8.18 | cps |
| Dysprosium | 156-2 | 263 | 350 | 303 | 306 | 14.20 | cps |
| Erbium | 164-1 | 197 | 230 | 217 | 214 | 7.82 | cps |
| Erbium | 164-2 | 173 | 133 | 143 | 150 | 13.88 | cps |
| Gadolinium | 160-1 | 197 | 183 | 173 | 184 | 6.35 | cps |
| Gadolinium | 160-2 | 390 | 347 | 373 | 370 | 5.91 | cps |
| Holmium | 165-1 | 9614577 | 9766470 | 9646926 | 9675991 | 0.83 | cps |
| Holmium | 165-2 | 6698033 | 6180110 | 7319163 | 6732435 | 8.47 | cps |
| Indium | 115-1 | 7954802 | 7909448 | 7701096 | 7855115 | 1.72 | cps |
| Indium | 115-2 | 2441140 | 2277303 | 2715628 | 2478024 | 8.94 | cps |
| Iron | 56-2 | 237369976 | 239468850 | 237589723 | 238142850 | 0.48 | cps |
| Iron | 57-2 | 5928738 | 5929044 | 6023870 | 5960551 | 0.92 | cps |
| Iron | 54-2 | 13127845 | 12931536 | 12852809 | 12970730 | 1.09 | cps |
| Krypton | 83-1 | 230 | 213 | 260 | 234 | 10.09 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV06 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV06 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:02:38 | DataFile Name : | 087CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10204005 | 10544809 | 10391588 | 10380134 | 1.64 | cps |
| Lead | 207-1 | 9122455 | 9340520 | 9057308 | 9173428 | 1.62 | cps |
| Lead | 208-1 | 40678986 | 42090231 | 41585324 | 41451514 | 1.73 | cps |
| Lithium | 6-1 | 1728404 | 1785531 | 1770092 | 1761342 | 1.68 | cps |
| Magnesium | 24-2 | 50416238 | 50435659 | 50112681 | 50321526 | 0.36 | cps |
| Manganese | 55-2 | 7989692 | 7864653 | 7930276 | 7928207 | 0.79 | cps |
| Molybdenum | 94-1 | 12218693 | 11815784 | 12030298 | 12021592 | 1.68 | cps |
| Molybdenum | 95-1 | 17375186 | 17452711 | 17230495 | 17352798 | 0.65 | cps |
| Molybdenum | 96-1 | 18912975 | 19389104 | 19103256 | 19135112 | 1.25 | cps |
| Molybdenum | 97-1 | 11036594 | 10977691 | 10925747 | 10980011 | 0.51 | cps |
| Molybdenum | 98-1 | 28294665 | 27868021 | 27753445 | 27972044 | 1.02 | cps |
| Neodymium | 150-1 | 313 | 297 | 243 | 284 | 12.85 | cps |
| Neodymium | 150-2 | 137 | 93 | 67 | 99 | 35.73 | cps |
| Nickel | 60-2 | 422932 | 421328 | 422371 | 422210 | 0.19 | cps |
| Phosphorus | 31-2 | 64830 | 64914 | 65309 | 65017 | 0.39 | cps |
| Potassium | 39-2 | 29114541 | 29210827 | 29518221 | 29281197 | 0.72 | cps |
| Rhodium | 103-1 | 7257261 | 7057143 | 7141306 | 7151903 | 1.40 | cps |
| Rhodium | 103-2 | 4062404 | 3711539 | 4513785 | 4095909 | 9.82 | cps |
| Scandium | 45-1 | 5302155 | 5240115 | 5134295 | 5225522 | 1.62 | cps |
| Scandium | 45-2 | 345570 | 322405 | 387146 | 351707 | 9.33 | cps |
| Selenium | 82-1 | 52507 | 52476 | 51511 | 52165 | 1.08 | cps |
| Selenium | 77-2 | 4091 | 4074 | 4431 | 4198 | 4.80 | cps |
| Selenium | 78-2 | 13867 | 14050 | 14190 | 14036 | 1.16 | cps |
| Silicon | 28-1 | 33178400 | 33468920 | 33168921 | 33272080 | 0.51 | cps |
| Silver | 107-1 | 3788806 | 3848798 | 3831129 | 3822911 | 0.81 | cps |
| Silver | 109-1 | 3674729 | 3778180 | 3637474 | 3696795 | 1.97 | cps |
| Sodium | 23-2 | 78497579 | 80497535 | 80239709 | 79744941 | 1.36 | cps |
| Strontium | 86-1 | 25528496 | 25357995 | 25624819 | 25503770 | 0.53 | cps |
| Strontium | 88-1 | 221179370 | 224758137 | 223125083 | 223020863 | 0.80 | cps |
| Sulfur | 34-1 | 483870 | 479510 | 480320 | 481233 | 0.48 | cps |
| Terbium | 159-1 | 9973328 | 10079794 | 9828163 | 9960429 | 1.27 | cps |
| Terbium | 159-2 | 6574166 | 6071543 | 7337770 | 6661159 | 9.57 | cps |
| Thallium | 203-1 | 2624673 | 2695162 | 2683455 | 2667764 | 1.42 | cps |
| Thallium | 205-1 | 6153184 | 6238932 | 6210999 | 6201038 | 0.71 | cps |
| Tin | 118-1 | 2580211 | 2619123 | 2542322 | 2580552 | 1.49 | cps |
| Titanium | 47-1 | 5006688 | 4985252 | 4979854 | 4990598 | 0.28 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV06 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV06 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:02:38 | DataFile Name : | 087CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8051871 | 8113465 | 8160072 | 8108469 | 0.67 | cps |
| Vanadium | 51-2 | 1000105 | 1013973 | 1013159 | 1009079 | 0.77 | cps |
| Yttrium | 89-1 | 11044849 | 10992194 | 10871787 | 10969610 | 0.81 | cps |
| Yttrium | 89-2 | 2428525 | 2228940 | 2700475 | 2452647 | 9.65 | cps |
| Zinc | 66-2 | 2018268 | 1998385 | 2009974 | 2008876 | 0.50 | cps |
| Zirconium | 90-1 | 5868342 | 5759589 | 5788131 | 5805354 | 0.97 | cps |
| Zirconium | 91-1 | 1282788 | 1281364 | 1285382 | 1283178 | 0.16 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB06 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB06 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:14:03 | DataFile Name : | 089CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 163 | 197 | 153 | 171 | 13.26 | cps |
| Antimony | 121-1 | 307 | 483 | 520 | 437 | 26.12 | cps |
| Arsenic | 75-2 | 13 | 0 | 7 | 7 | 99.98 | cps |
| Barium | 135-1 | 77 | 100 | 53 | 77 | 30.44 | cps |
| Barium | 137-1 | 150 | 173 | 150 | 158 | 8.54 | cps |
| Beryllium | 9-1 | 80 | 97 | 97 | 91 | 10.56 | cps |
| Bismuth | 209-1 | 5553953 | 5645463 | 5516241 | 5571886 | 1.19 | cps |
| Bismuth | 209-2 | 4787780 | 4637746 | 4629296 | 4684941 | 1.90 | cps |
| Bromine | 81-1 | 7382 | 7238 | 7252 | 7291 | 1.09 | cps |
| Bromine | 81-2 | 137 | 87 | 113 | 112 | 22.29 | cps |
| Cadmium | 108-1 | 13 | 10 | 10 | 11 | 17.30 | cps |
| Cadmium | 106-1 | 2054 | 2157 | 2187 | 2132 | 3.28 | cps |
| Cadmium | 111-1 | 1465 | 1516 | 1550 | 1510 | 2.85 | cps |
| Calcium | 43-1 | 247 | 277 | 373 | 299 | 22.15 | cps |
| Calcium | 44-1 | 10417 | 10214 | 10341 | 10324 | 1.00 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 497 | 500 | 547 | 514 | 5.43 | cps |
| Cobalt | 59-2 | 87 | 87 | 77 | 83 | 6.93 | cps |
| Copper | 63-2 | 947 | 973 | 903 | 941 | 3.75 | cps |
| Dysprosium | 156-1 | 47 | 53 | 40 | 47 | 14.28 | cps |
| Dysprosium | 156-2 | 17 | 3 | 7 | 9 | 78.08 | cps |
| Erbium | 164-1 | 87 | 83 | 57 | 76 | 21.76 | cps |
| Erbium | 164-2 | 40 | 40 | 40 | 40 | 0.00 | cps |
| Gadolinium | 160-1 | 40 | 63 | 43 | 49 | 25.81 | cps |
| Gadolinium | 160-2 | 270 | 260 | 283 | 271 | 4.32 | cps |
| Holmium | 165-1 | 9037654 | 9065982 | 9210612 | 9104749 | 1.02 | cps |
| Holmium | 165-2 | 6499701 | 6356462 | 6393539 | 6416568 | 1.16 | cps |
| Indium | 115-1 | 8145898 | 7972052 | 7982351 | 8033433 | 1.21 | cps |
| Indium | 115-2 | 2497079 | 2561955 | 2569254 | 2542763 | 1.56 | cps |
| Iron | 56-2 | 10154 | 9907 | 10793 | 10285 | 4.45 | cps |
| Iron | 57-2 | 1353 | 1277 | 1430 | 1353 | 5.67 | cps |
| Iron | 54-2 | 1360 | 1297 | 1327 | 1328 | 2.39 | cps |
| Krypton | 83-1 | 207 | 217 | 250 | 224 | 10.11 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB06 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB06 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:14:03 | DataFile Name : | 089CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 407 | 373 | 357 | 379 | 6.72 | cps |
| Lead | 207-1 | 327 | 367 | 360 | 351 | 6.10 | cps |
| Lead | 208-1 | 1747 | 1613 | 1580 | 1647 | 5.36 | cps |
| Lithium | 6-1 | 1651627 | 1604411 | 1616903 | 1624314 | 1.51 | cps |
| Magnesium | 24-2 | 733 | 587 | 653 | 658 | 11.16 | cps |
| Manganese | 55-2 | 397 | 367 | 343 | 369 | 7.25 | cps |
| Molybdenum | 94-1 | 327 | 240 | 343 | 303 | 18.29 | cps |
| Molybdenum | 95-1 | 253 | 223 | 210 | 229 | 9.70 | cps |
| Molybdenum | 96-1 | 250 | 243 | 330 | 274 | 17.57 | cps |
| Molybdenum | 97-1 | 153 | 127 | 130 | 137 | 10.63 | cps |
| Molybdenum | 98-1 | 310 | 303 | 257 | 290 | 10.02 | cps |
| Neodymium | 150-1 | 7 | 20 | 7 | 11 | 69.25 | cps |
| Neodymium | 150-2 | 13 | 0 | 3 | 6 | 124.93 | cps |
| Nickel | 60-2 | 163 | 157 | 143 | 154 | 6.59 | cps |
| Phosphorus | 31-2 | 147 | 110 | 113 | 123 | 16.44 | cps |
| Potassium | 39-2 | 45237 | 46066 | 45889 | 45731 | 0.95 | cps |
| Rhodium | 103-1 | 7625215 | 7632303 | 7629127 | 7628882 | 0.05 | cps |
| Rhodium | 103-2 | 4442341 | 4283541 | 4267891 | 4331258 | 2.23 | cps |
| Scandium | 45-1 | 5099582 | 5186693 | 5002031 | 5096102 | 1.81 | cps |
| Scandium | 45-2 | 352409 | 353579 | 355969 | 353986 | 0.51 | cps |
| Selenium | 82-1 | 269 | 297 | 269 | 278 | 5.88 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 250 | 213 | 190 | 218 | 13.89 | cps |
| Silicon | 28-1 | 291831 | 292130 | 291589 | 291850 | 0.09 | cps |
| Silver | 107-1 | 267 | 143 | 133 | 181 | 41.00 | cps |
| Silver | 109-1 | 200 | 143 | 90 | 144 | 38.08 | cps |
| Sodium | 23-2 | 16149 | 16155 | 15678 | 15994 | 1.71 | cps |
| Strontium | 86-1 | 447 | 387 | 417 | 417 | 7.20 | cps |
| Strontium | 88-1 | 1340 | 1173 | 1037 | 1183 | 12.84 | cps |
| Sulfur | 34-1 | 195649 | 196702 | 196831 | 196394 | 0.33 | cps |
| Terbium | 159-1 | 9731969 | 9654795 | 9421097 | 9602620 | 1.69 | cps |
| Terbium | 159-2 | 6385326 | 6321408 | 6371580 | 6359438 | 0.53 | cps |
| Thallium | 203-1 | 53 | 100 | 63 | 72 | 34.02 | cps |
| Thallium | 205-1 | 177 | 157 | 183 | 172 | 8.06 | cps |
| Tin | 118-1 | 980 | 1017 | 1210 | 1069 | 11.56 | cps |
| Titanium | 47-1 | 127 | 113 | 133 | 124 | 8.19 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB06 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB06 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:14:03 | DataFile Name : | 089CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 53 | 30 | 47 | 43 | 27.73 | cps |
| Vanadium | 51-2 | 17 | 37 | 50 | 34 | 48.70 | cps |
| Yttrium | 89-1 | 10755587 | 10795478 | 10438513 | 10663192 | 1.83 | cps |
| Yttrium | 89-2 | 2397894 | 2480203 | 2397274 | 2425124 | 1.97 | cps |
| Zinc | 66-2 | 563 | 710 | 727 | 667 | 13.48 | cps |
| Zirconium | 90-1 | 533 | 523 | 533 | 530 | 1.09 | cps |
| Zirconium | 91-1 | 127 | 107 | 160 | 131 | 20.55 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-03RE | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MSD | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:17:20 | DataFile Name : | 090SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1117816 | 1110766 | 1111370 | 1113317 | 0.35 | cps |
| Antimony | 121-1 | 3509258 | 3577586 | 3508147 | 3531663 | 1.13 | cps |
| Arsenic | 75-2 | 175177 | 177684 | 174442 | 175768 | 0.97 | cps |
| Barium | 135-1 | 4039921 | 4053168 | 3987041 | 4026710 | 0.87 | cps |
| Barium | 137-1 | 6931153 | 7025526 | 7035181 | 6997287 | 0.82 | cps |
| Beryllium | 9-1 | 688769 | 720576 | 722688 | 710678 | 2.67 | cps |
| Bismuth | 209-1 | 5470684 | 5498697 | 5614641 | 5528007 | 1.38 | cps |
| Bismuth | 209-2 | 4652564 | 4541969 | 4616476 | 4603670 | 1.23 | cps |
| Bromine | 81-1 | 24631 | 29710 | 33668 | 29336 | 15.44 | cps |
| Bromine | 81-2 | 4854 | 4908 | 5158 | 4973 | 3.26 | cps |
| Cadmium | 108-1 | 64305 | 64392 | 64747 | 64481 | 0.36 | cps |
| Cadmium | 106-1 | 92754 | 93734 | 93116 | 93201 | 0.53 | cps |
| Cadmium | 111-1 | 861792 | 890112 | 876325 | 876077 | 1.62 | cps |
| Calcium | 43-1 | 1376906 | 1400084 | 1414923 | 1397304 | 1.37 | cps |
| Calcium | 44-1 | 20628269 | 21265955 | 21590849 | 21161691 | 2.31 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1223610 | 1219112 | 1212962 | 1218561 | 0.44 | cps |
| Cobalt | 59-2 | 1969519 | 1974800 | 1984121 | 1976147 | 0.37 | cps |
| Copper | 63-2 | 12623183 | 12322793 | 12265851 | 12403942 | 1.55 | cps |
| Dysprosium | 156-1 | 340 | 330 | 317 | 329 | 3.56 | cps |
| Dysprosium | 156-2 | 433 | 403 | 363 | 400 | 8.78 | cps |
| Erbium | 164-1 | 287 | 403 | 290 | 327 | 20.33 | cps |
| Erbium | 164-2 | 203 | 257 | 193 | 218 | 15.63 | cps |
| Gadolinium | 160-1 | 317 | 330 | 333 | 327 | 2.70 | cps |
| Gadolinium | 160-2 | 460 | 377 | 467 | 434 | 11.54 | cps |
| Holmium | 165-1 | 9608857 | 9665322 | 9536132 | 9603437 | 0.67 | cps |
| Holmium | 165-2 | 6561523 | 6538552 | 6549971 | 6550015 | 0.18 | cps |
| Indium | 115-1 | 7907232 | 7966480 | 8086267 | 7986660 | 1.14 | cps |
| Indium | 115-2 | 2530993 | 2524364 | 2460538 | 2505298 | 1.55 | cps |
| Iron | 56-2 | 55262788 | 55270623 | 55537121 | 55356844 | 0.28 | cps |
| Iron | 57-2 | 1398445 | 1387966 | 1398399 | 1394937 | 0.43 | cps |
| Iron | 54-2 | 3008660 | 3089745 | 3033366 | 3043923 | 1.37 | cps |
| Krypton | 83-1 | 280 | 210 | 200 | 230 | 18.95 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-03RE | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MSD | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:17:20 | DataFile Name : | 090SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10874604 | 10819437 | 10907484 | 10867175 | 0.41 | cps |
| Lead | 207-1 | 9487793 | 9754509 | 9688774 | 9643692 | 1.44 | cps |
| Lead | 208-1 | 42883496 | 43229695 | 43627216 | 43246802 | 0.86 | cps |
| Lithium | 6-1 | 1657392 | 1651210 | 1699262 | 1669288 | 1.57 | cps |
| Magnesium | 24-2 | 10834285 | 10803783 | 10781934 | 10806667 | 0.24 | cps |
| Manganese | 55-2 | 8788831 | 9052559 | 8918745 | 8920045 | 1.48 | cps |
| Molybdenum | 94-1 | 15269486 | 15939847 | 15699999 | 15636444 | 2.17 | cps |
| Molybdenum | 95-1 | 23076628 | 23732245 | 23602845 | 23470573 | 1.48 | cps |
| Molybdenum | 96-1 | 25399161 | 25260514 | 25039131 | 25232935 | 0.72 | cps |
| Molybdenum | 97-1 | 14109839 | 14540014 | 14247815 | 14299223 | 1.54 | cps |
| Molybdenum | 98-1 | 37245592 | 37674417 | 37562930 | 37494313 | 0.59 | cps |
| Neodymium | 150-1 | 550 | 453 | 527 | 510 | 9.89 | cps |
| Neodymium | 150-2 | 207 | 173 | 243 | 208 | 16.85 | cps |
| Nickel | 60-2 | 475326 | 480150 | 477524 | 477667 | 0.51 | cps |
| Phosphorus | 31-2 | 813 | 703 | 720 | 746 | 7.95 | cps |
| Potassium | 39-2 | 6697036 | 6587319 | 6660297 | 6648217 | 0.84 | cps |
| Rhodium | 103-1 | 7484328 | 7439238 | 7373409 | 7432325 | 0.75 | cps |
| Rhodium | 103-2 | 4228345 | 4232556 | 4172517 | 4211139 | 0.80 | cps |
| Scandium | 45-1 | 5117408 | 5146305 | 5209522 | 5157745 | 0.91 | cps |
| Scandium | 45-2 | 354989 | 355282 | 353595 | 354622 | 0.25 | cps |
| Selenium | 82-1 | 56151 | 56615 | 56854 | 56540 | 0.63 | cps |
| Selenium | 77-2 | 4604 | 4754 | 4444 | 4601 | 3.37 | cps |
| Selenium | 78-2 | 15859 | 15522 | 15618 | 15666 | 1.11 | cps |
| Silicon | 28-1 | 11002459 | 11578175 | 11585268 | 11388634 | 2.94 | cps |
| Silver | 107-1 | 2302351 | 2075797 | 3174333 | 2517494 | 23.04 | cps |
| Silver | 109-1 | 2192985 | 2506482 | 2740510 | 2479992 | 11.08 | cps |
| Sodium | 23-2 | 35862884 | 35547379 | 35325849 | 35578704 | 0.76 | cps |
| Strontium | 86-1 | 25786311 | 25567768 | 25459267 | 25604449 | 0.65 | cps |
| Strontium | 88-1 | 218153017 | 220423230 | 221787017 | 220121088 | 0.83 | cps |
| Sulfur | 34-1 | 279416 | 280074 | 279643 | 279711 | 0.12 | cps |
| Terbium | 159-1 | 9909487 | 9968090 | 9884626 | 9920734 | 0.43 | cps |
| Terbium | 159-2 | 6518999 | 6366773 | 6467982 | 6451251 | 1.20 | cps |
| Thallium | 203-1 | 2862267 | 2893668 | 2892773 | 2882903 | 0.62 | cps |
| Thallium | 205-1 | 6847842 | 6901508 | 6778565 | 6842639 | 0.90 | cps |
| Tin | 118-1 | 2426243 | 2566123 | 2575609 | 2522658 | 3.32 | cps |
| Titanium | 47-1 | 5300844 | 5502185 | 5502695 | 5435241 | 2.14 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-03RE | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124MSD | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:17:20 | DataFile Name : | 090SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8567285 | 8801061 | 8836710 | 8735019 | 1.68 | cps |
| Vanadium | 51-2 | 1139722 | 1138006 | 1115653 | 1131127 | 1.19 | cps |
| Yttrium | 89-1 | 11035084 | 10919846 | 10820045 | 10924992 | 0.99 | cps |
| Yttrium | 89-2 | 2438975 | 2484033 | 2490717 | 2471242 | 1.14 | cps |
| Zinc | 66-2 | 2204056 | 2165502 | 2145837 | 2171798 | 1.36 | cps |
| Zirconium | 90-1 | 6111319 | 6176037 | 6177049 | 6154802 | 0.61 | cps |
| Zirconium | 91-1 | 1356233 | 1376035 | 1379764 | 1370677 | 0.92 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01ARE | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124ARE | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:20:08 | DataFile Name : | 091SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1142751 | 1129856 | 1119784 | 1130797 | 1.02 | cps |
| Antimony | 121-1 | 3642089 | 3675898 | 3688248 | 3668745 | 0.65 | cps |
| Arsenic | 75-2 | 181573 | 179704 | 177923 | 179733 | 1.02 | cps |
| Barium | 135-1 | 3991058 | 4152792 | 4139084 | 4094311 | 2.19 | cps |
| Barium | 137-1 | 6929845 | 7119678 | 7117264 | 7055596 | 1.54 | cps |
| Beryllium | 9-1 | 746812 | 767023 | 758338 | 757391 | 1.34 | cps |
| Bismuth | 209-1 | 5664964 | 2102283 | 4899203 | 4222150 | 44.42 | cps |
| Bismuth | 209-2 | 4623740 | 4719537 | 4588755 | 4644010 | 1.46 | cps |
| Bromine | 81-1 | 26581 | 30391 | 32793 | 29922 | 10.47 | cps |
| Bromine | 81-2 | 4537 | 4294 | 4734 | 4522 | 4.88 | cps |
| Cadmium | 108-1 | 65949 | 67898 | 66465 | 66771 | 1.51 | cps |
| Cadmium | 106-1 | 95126 | 96673 | 95495 | 95764 | 0.84 | cps |
| Cadmium | 111-1 | 876760 | 932906 | 906179 | 905282 | 3.10 | cps |
| Calcium | 43-1 | 1397272 | 1455204 | 1447679 | 1433385 | 2.20 | cps |
| Calcium | 44-1 | 21386526 | 22407246 | 22106085 | 21966619 | 2.39 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1254247 | 1230468 | 1229959 | 1238225 | 1.12 | cps |
| Cobalt | 59-2 | 2034136 | 2013646 | 2008398 | 2018727 | 0.67 | cps |
| Copper | 63-2 | 12812059 | 12693506 | 12708786 | 12738117 | 0.51 | cps |
| Dysprosium | 156-1 | 390 | 433 | 287 | 370 | 20.37 | cps |
| Dysprosium | 156-2 | 397 | 357 | 403 | 386 | 6.55 | cps |
| Erbium | 164-1 | 337 | 287 | 340 | 321 | 9.30 | cps |
| Erbium | 164-2 | 237 | 213 | 253 | 234 | 8.57 | cps |
| Gadolinium | 160-1 | 327 | 300 | 277 | 301 | 8.31 | cps |
| Gadolinium | 160-2 | 437 | 467 | 513 | 472 | 8.18 | cps |
| Holmium | 165-1 | 9758083 | 3616575 | 8472436 | 7282365 | 44.48 | cps |
| Holmium | 165-2 | 6606588 | 6705448 | 6505001 | 6605679 | 1.52 | cps |
| Indium | 115-1 | 8060682 | 3041180 | 7124538 | 6075467 | 43.93 | cps |
| Indium | 115-2 | 2528971 | 2569475 | 2584338 | 2560928 | 1.12 | cps |
| Iron | 56-2 | 56522917 | 55328654 | 55963793 | 55938455 | 1.07 | cps |
| Iron | 57-2 | 1440700 | 1401464 | 1423156 | 1421774 | 1.38 | cps |
| Iron | 54-2 | 3125480 | 3064857 | 3055318 | 3081885 | 1.23 | cps |
| Krypton | 83-1 | 200 | 243 | 257 | 233 | 12.70 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01ARE | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124ARE | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:20:08 | DataFile Name : | 091SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10884151 | 11245050 | 10997494 | 11042232 | 1.67 | cps |
| Lead | 207-1 | 9591663 | 10014970 | 9924050 | 9843561 | 2.26 | cps |
| Lead | 208-1 | 43588259 | 45125785 | 44127092 | 44280379 | 1.76 | cps |
| Lithium | 6-1 | 1731040 | 756183 | 1493385 | 1326869 | 38.31 | cps |
| Magnesium | 24-2 | 11112191 | 10820088 | 10632649 | 10854976 | 2.23 | cps |
| Manganese | 55-2 | 9310684 | 8953708 | 8968937 | 9077776 | 2.22 | cps |
| Molybdenum | 94-1 | 15601614 | 16200101 | 15757035 | 15852916 | 1.96 | cps |
| Molybdenum | 95-1 | 23218500 | 24074303 | 23884524 | 23725776 | 1.89 | cps |
| Molybdenum | 96-1 | 24927793 | 26356440 | 25523466 | 25602566 | 2.80 | cps |
| Molybdenum | 97-1 | 14345877 | 15039957 | 14482572 | 14622802 | 2.51 | cps |
| Molybdenum | 98-1 | 37370456 | 39006197 | 37478030 | 37951561 | 2.41 | cps |
| Neodymium | 150-1 | 543 | 547 | 510 | 533 | 3.80 | cps |
| Neodymium | 150-2 | 207 | 213 | 223 | 214 | 3.91 | cps |
| Nickel | 60-2 | 492583 | 489855 | 489834 | 490757 | 0.32 | cps |
| Phosphorus | 31-2 | 780 | 757 | 750 | 762 | 2.07 | cps |
| Potassium | 39-2 | 6762726 | 6698791 | 6681960 | 6714492 | 0.63 | cps |
| Rhodium | 103-1 | 7578229 | 2927874 | 6500387 | 5668830 | 42.94 | cps |
| Rhodium | 103-2 | 4226380 | 4292314 | 4212537 | 4243744 | 1.00 | cps |
| Scandium | 45-1 | 5369058 | 2103712 | 4469563 | 3980777 | 42.37 | cps |
| Scandium | 45-2 | 360091 | 355436 | 356530 | 357352 | 0.68 | cps |
| Selenium | 82-1 | 57727 | 59435 | 58375 | 58512 | 1.47 | cps |
| Selenium | 77-2 | 4777 | 4757 | 4547 | 4694 | 2.72 | cps |
| Selenium | 78-2 | 15909 | 15859 | 16402 | 16057 | 1.87 | cps |
| Silicon | 28-1 | 11378089 | 11837336 | 11879905 | 11698443 | 2.38 | cps |
| Silver | 107-1 | 2846792 | 2856630 | 3874380 | 3192601 | 18.49 | cps |
| Silver | 109-1 | 2375844 | 2876190 | 2746839 | 2666291 | 9.74 | cps |
| Sodium | 23-2 | 35681321 | 36318962 | 36178011 | 36059431 | 0.93 | cps |
| Strontium | 86-1 | 25020935 | 26411734 | 25895800 | 25776157 | 2.73 | cps |
| Strontium | 88-1 | 220887003 | 226706750 | 227502183 | 225031979 | 1.60 | cps |
| Sulfur | 34-1 | 273375 | 277312 | 278236 | 276308 | 0.93 | cps |
| Terbium | 159-1 | 10058820 | 3810417 | 8883207 | 7584148 | 43.78 | cps |
| Terbium | 159-2 | 6622854 | 6686058 | 6492185 | 6600366 | 1.50 | cps |
| Thallium | 203-1 | 2898707 | 3009798 | 2955991 | 2954832 | 1.88 | cps |
| Thallium | 205-1 | 6901319 | 7154246 | 6938201 | 6997922 | 1.95 | cps |
| Tin | 118-1 | 2500342 | 2725561 | 2566881 | 2597594 | 4.45 | cps |
| Titanium | 47-1 | 5537790 | 5723801 | 5637050 | 5632880 | 1.65 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01ARE | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124ARE | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:20:08 | DataFile Name : | 091SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8882639 | 9458147 | 8982268 | 9107685 | 3.38 | cps |
| Vanadium | 51-2 | 1156465 | 1146731 | 1149963 | 1151053 | 0.43 | cps |
| Yttrium | 89-1 | 11031269 | 4347515 | 9616767 | 8331850 | 42.27 | cps |
| Yttrium | 89-2 | 2476094 | 2507394 | 2458374 | 2480621 | 1.00 | cps |
| Zinc | 66-2 | 2160272 | 2192959 | 2164374 | 2172535 | 0.82 | cps |
| Zirconium | 90-1 | 6231900 | 6463901 | 6309603 | 6335134 | 1.86 | cps |
| Zirconium | 91-1 | 1378664 | 1433481 | 1410546 | 1407564 | 1.96 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162888BL | Instrumnet Name : | P7 |
| Client Sample ID : | PB162888BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:22:54 | DataFile Name : | 092CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 197 | 260 | 200 | 219 | 16.28 | cps |
| Antimony | 121-1 | 2860 | 3140 | 3224 | 3075 | 6.19 | cps |
| Arsenic | 75-2 | 23 | 27 | 10 | 20 | 44.10 | cps |
| Barium | 135-1 | 297 | 213 | 230 | 247 | 17.88 | cps |
| Barium | 137-1 | 517 | 433 | 400 | 450 | 13.35 | cps |
| Beryllium | 9-1 | 230 | 213 | 197 | 213 | 7.81 | cps |
| Bismuth | 209-1 | 5650291 | 5707275 | 5631249 | 5662938 | 0.70 | cps |
| Bismuth | 209-2 | 4635477 | 4658600 | 4693439 | 4662505 | 0.63 | cps |
| Bromine | 81-1 | 10404 | 9860 | 9316 | 9860 | 5.51 | cps |
| Bromine | 81-2 | 293 | 283 | 237 | 271 | 11.16 | cps |
| Cadmium | 108-1 | 27 | 30 | 10 | 22 | 48.22 | cps |
| Cadmium | 106-1 | 2564 | 2217 | 2244 | 2341 | 8.24 | cps |
| Cadmium | 111-1 | 1839 | 1604 | 1597 | 1680 | 8.21 | cps |
| Calcium | 43-1 | 387 | 407 | 387 | 393 | 2.94 | cps |
| Calcium | 44-1 | 11431 | 11368 | 11462 | 11420 | 0.42 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 593 | 530 | 583 | 569 | 5.99 | cps |
| Cobalt | 59-2 | 130 | 180 | 190 | 167 | 19.29 | cps |
| Copper | 63-2 | 1447 | 1423 | 1387 | 1419 | 2.13 | cps |
| Dysprosium | 156-1 | 53 | 63 | 53 | 57 | 10.19 | cps |
| Dysprosium | 156-2 | 3 | 20 | 17 | 13 | 66.16 | cps |
| Erbium | 164-1 | 50 | 87 | 33 | 57 | 48.15 | cps |
| Erbium | 164-2 | 57 | 40 | 43 | 47 | 18.90 | cps |
| Gadolinium | 160-1 | 23 | 37 | 27 | 29 | 24.03 | cps |
| Gadolinium | 160-2 | 270 | 287 | 237 | 264 | 9.63 | cps |
| Holmium | 165-1 | 9559599 | 9329032 | 9277772 | 9388801 | 1.60 | cps |
| Holmium | 165-2 | 6469219 | 6416739 | 6369482 | 6418480 | 0.78 | cps |
| Indium | 115-1 | 8128880 | 8251940 | 8058760 | 8146527 | 1.20 | cps |
| Indium | 115-2 | 2517276 | 2493191 | 2534003 | 2514823 | 0.82 | cps |
| Iron | 56-2 | 11274 | 11551 | 11521 | 11449 | 1.33 | cps |
| Iron | 57-2 | 1363 | 1513 | 1283 | 1387 | 8.42 | cps |
| Iron | 54-2 | 1313 | 1317 | 1427 | 1352 | 4.77 | cps |
| Krypton | 83-1 | 233 | 187 | 197 | 206 | 11.95 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162888BL | Instrumnet Name : | P7 |
| Client Sample ID : | PB162888BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:22:54 | DataFile Name : | 092CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1267 | 1120 | 1494 | 1293 | 14.55 | cps |
| Lead | 207-1 | 1037 | 903 | 1217 | 1052 | 14.95 | cps |
| Lead | 208-1 | 4840 | 4380 | 5601 | 4941 | 12.48 | cps |
| Lithium | 6-1 | 1710897 | 1744271 | 1762014 | 1739061 | 1.49 | cps |
| Magnesium | 24-2 | 893 | 903 | 877 | 891 | 1.51 | cps |
| Manganese | 55-2 | 700 | 707 | 733 | 713 | 2.47 | cps |
| Molybdenum | 94-1 | 1507 | 1400 | 1437 | 1448 | 3.74 | cps |
| Molybdenum | 95-1 | 2027 | 1883 | 1730 | 1880 | 7.89 | cps |
| Molybdenum | 96-1 | 2240 | 2057 | 1987 | 2095 | 6.25 | cps |
| Molybdenum | 97-1 | 1317 | 1140 | 940 | 1132 | 16.65 | cps |
| Molybdenum | 98-1 | 3060 | 2704 | 2784 | 2849 | 6.57 | cps |
| Neodymium | 150-1 | 13 | 17 | 20 | 17 | 20.01 | cps |
| Neodymium | 150-2 | 10 | 3 | 3 | 6 | 69.34 | cps |
| Nickel | 60-2 | 197 | 193 | 200 | 197 | 1.69 | cps |
| Phosphorus | 31-2 | 110 | 100 | 80 | 97 | 15.80 | cps |
| Potassium | 39-2 | 45809 | 45765 | 45351 | 45642 | 0.55 | cps |
| Rhodium | 103-1 | 7554614 | 7760732 | 7781137 | 7698828 | 1.63 | cps |
| Rhodium | 103-2 | 4277190 | 4271769 | 4292981 | 4280647 | 0.26 | cps |
| Scandium | 45-1 | 5226886 | 5069018 | 5147132 | 5147678 | 1.53 | cps |
| Scandium | 45-2 | 349309 | 348091 | 350865 | 349422 | 0.40 | cps |
| Selenium | 82-1 | 259 | 339 | 340 | 313 | 14.86 | cps |
| Selenium | 77-2 | 0 | 10 | 0 | 3 | 173.21 | cps |
| Selenium | 78-2 | 237 | 177 | 207 | 207 | 14.52 | cps |
| Silicon | 28-1 | 330759 | 320424 | 317075 | 322753 | 2.21 | cps |
| Silver | 107-1 | 3334 | 1133 | 643 | 1704 | 84.12 | cps |
| Silver | 109-1 | 3267 | 867 | 490 | 1541 | 97.74 | cps |
| Sodium | 23-2 | 21311 | 21485 | 20454 | 21083 | 2.62 | cps |
| Strontium | 86-1 | 1607 | 1407 | 1383 | 1466 | 8.38 | cps |
| Strontium | 88-1 | 11351 | 9503 | 8456 | 9770 | 15.00 | cps |
| Sulfur | 34-1 | 191686 | 192351 | 190698 | 191579 | 0.43 | cps |
| Terbium | 159-1 | 9790065 | 9788318 | 9673290 | 9750558 | 0.69 | cps |
| Terbium | 159-2 | 6333895 | 6492448 | 6361760 | 6396034 | 1.32 | cps |
| Thallium | 203-1 | 277 | 227 | 417 | 307 | 32.12 | cps |
| Thallium | 205-1 | 600 | 667 | 950 | 739 | 25.17 | cps |
| Tin | 118-1 | 1493 | 1633 | 1693 | 1607 | 6.39 | cps |
| Titanium | 47-1 | 480 | 473 | 520 | 491 | 5.14 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162888BL | Instrumnet Name : | P7 |
| Client Sample ID : | PB162888BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:22:54 | DataFile Name : | 092CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 453 | 350 | 487 | 430 | 16.57 | cps |
| Vanadium | 51-2 | 47 | 70 | 50 | 56 | 22.71 | cps |
| Yttrium | 89-1 | 10741420 | 10936947 | 10737019 | 10805128 | 1.06 | cps |
| Yttrium | 89-2 | 2424319 | 2456989 | 2449816 | 2443708 | 0.70 | cps |
| Zinc | 66-2 | 827 | 833 | 917 | 859 | 5.84 | cps |
| Zirconium | 90-1 | 1000 | 923 | 913 | 946 | 5.01 | cps |
| Zirconium | 91-1 | 157 | 217 | 247 | 207 | 22.17 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162888BS | Instrumnet Name : | P7 |
| Client Sample ID : | PB162888BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:26:14 | DataFile Name : | 093LCSS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1174756 | 1148308 | 1170231 | 1164432 | 1.21 | cps |
| Antimony | 121-1 | 3354367 | 3449673 | 3356262 | 3386767 | 1.61 | cps |
| Arsenic | 75-2 | 163061 | 162812 | 161135 | 162336 | 0.65 | cps |
| Barium | 135-1 | 3995295 | 4142585 | 4058788 | 4065556 | 1.82 | cps |
| Barium | 137-1 | 6977013 | 7057125 | 6950242 | 6994793 | 0.80 | cps |
| Beryllium | 9-1 | 658652 | 681988 | 674491 | 671710 | 1.77 | cps |
| Bismuth | 209-1 | 5510123 | 5550872 | 5461589 | 5507528 | 0.81 | cps |
| Bismuth | 209-2 | 4595914 | 4627132 | 4675083 | 4632709 | 0.86 | cps |
| Bromine | 81-1 | 7625 | 7329 | 7369 | 7441 | 2.16 | cps |
| Bromine | 81-2 | 100 | 117 | 90 | 102 | 13.18 | cps |
| Cadmium | 108-1 | 58728 | 58752 | 58725 | 58735 | 0.02 | cps |
| Cadmium | 106-1 | 86097 | 87307 | 85829 | 86411 | 0.91 | cps |
| Cadmium | 111-1 | 796603 | 809333 | 808490 | 804809 | 0.88 | cps |
| Calcium | 43-1 | 1128316 | 1142637 | 1125985 | 1132312 | 0.80 | cps |
| Calcium | 44-1 | 16593686 | 16495159 | 16492201 | 16527015 | 0.35 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1176672 | 1181360 | 1176784 | 1178272 | 0.23 | cps |
| Cobalt | 59-2 | 1830896 | 1874233 | 1838639 | 1847923 | 1.25 | cps |
| Copper | 63-2 | 12545402 | 12724660 | 12644266 | 12638109 | 0.71 | cps |
| Dysprosium | 156-1 | 123 | 127 | 127 | 126 | 1.53 | cps |
| Dysprosium | 156-2 | 150 | 237 | 207 | 198 | 22.25 | cps |
| Erbium | 164-1 | 123 | 147 | 197 | 156 | 24.08 | cps |
| Erbium | 164-2 | 93 | 107 | 63 | 88 | 25.29 | cps |
| Gadolinium | 160-1 | 70 | 107 | 87 | 88 | 20.92 | cps |
| Gadolinium | 160-2 | 363 | 323 | 327 | 338 | 6.57 | cps |
| Holmium | 165-1 | 9494232 | 9459365 | 9554318 | 9502639 | 0.51 | cps |
| Holmium | 165-2 | 6583140 | 6660193 | 6668371 | 6637234 | 0.71 | cps |
| Indium | 115-1 | 7821081 | 7995192 | 7853279 | 7889851 | 1.17 | cps |
| Indium | 115-2 | 2526293 | 2504985 | 2509498 | 2513592 | 0.45 | cps |
| Iron | 56-2 | 50400051 | 51394924 | 50485126 | 50760034 | 1.09 | cps |
| Iron | 57-2 | 1311442 | 1329969 | 1317911 | 1319774 | 0.71 | cps |
| Iron | 54-2 | 2841940 | 2832235 | 2814953 | 2829709 | 0.48 | cps |
| Krypton | 83-1 | 197 | 170 | 213 | 193 | 11.31 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162888BS | Instrumnet Name : | P7 |
| Client Sample ID : | PB162888BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:26:14 | DataFile Name : | 093LCSS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10837422 | 11003615 | 10777868 | 10872968 | 1.08 | cps |
| Lead | 207-1 | 9384070 | 9847653 | 9581799 | 9604507 | 2.42 | cps |
| Lead | 208-1 | 42803379 | 44019237 | 43177158 | 43333258 | 1.44 | cps |
| Lithium | 6-1 | 1677405 | 1739525 | 1757010 | 1724647 | 2.43 | cps |
| Magnesium | 24-2 | 10657738 | 10368029 | 10561247 | 10529005 | 1.40 | cps |
| Manganese | 55-2 | 8334411 | 8496780 | 8330650 | 8387280 | 1.13 | cps |
| Molybdenum | 94-1 | 12413814 | 12563831 | 12549156 | 12508934 | 0.66 | cps |
| Molybdenum | 95-1 | 17824240 | 18167446 | 18426801 | 18139496 | 1.67 | cps |
| Molybdenum | 96-1 | 19650924 | 19947391 | 19941466 | 19846594 | 0.85 | cps |
| Molybdenum | 97-1 | 11235179 | 11243680 | 11226678 | 11235179 | 0.08 | cps |
| Molybdenum | 98-1 | 28021647 | 28728834 | 28858088 | 28536190 | 1.58 | cps |
| Neodymium | 150-1 | 253 | 207 | 233 | 231 | 10.13 | cps |
| Neodymium | 150-2 | 53 | 77 | 57 | 62 | 20.29 | cps |
| Nickel | 60-2 | 464763 | 462738 | 463508 | 463669 | 0.22 | cps |
| Phosphorus | 31-2 | 68697 | 67022 | 66758 | 67492 | 1.56 | cps |
| Potassium | 39-2 | 6252931 | 6173028 | 6055510 | 6160490 | 1.61 | cps |
| Rhodium | 103-1 | 7334248 | 7332091 | 7410201 | 7358847 | 0.60 | cps |
| Rhodium | 103-2 | 4206870 | 4310736 | 4212484 | 4243364 | 1.38 | cps |
| Scandium | 45-1 | 5176631 | 5105889 | 5104501 | 5129007 | 0.80 | cps |
| Scandium | 45-2 | 351252 | 348651 | 348452 | 349452 | 0.45 | cps |
| Selenium | 82-1 | 53089 | 54196 | 53856 | 53714 | 1.06 | cps |
| Selenium | 77-2 | 4391 | 4254 | 4544 | 4396 | 3.30 | cps |
| Selenium | 78-2 | 15125 | 14861 | 15108 | 15031 | 0.98 | cps |
| Silicon | 28-1 | 32828583 | 32294383 | 33346320 | 32823095 | 1.60 | cps |
| Silver | 107-1 | 3988441 | 4134036 | 4042353 | 4054943 | 1.82 | cps |
| Silver | 109-1 | 3814734 | 3972535 | 3887730 | 3891666 | 2.03 | cps |
| Sodium | 23-2 | 16729959 | 16445832 | 16750521 | 16642104 | 1.02 | cps |
| Strontium | 86-1 | 26703553 | 26796350 | 26828105 | 26776003 | 0.24 | cps |
| Strontium | 88-1 | 229646903 | 229947983 | 230043963 | 229879617 | 0.09 | cps |
| Sulfur | 34-1 | 488290 | 494970 | 494788 | 492683 | 0.77 | cps |
| Terbium | 159-1 | 9907327 | 9668390 | 9815658 | 9797125 | 1.23 | cps |
| Terbium | 159-2 | 6470573 | 6546169 | 6592473 | 6536405 | 0.94 | cps |
| Thallium | 203-1 | 2763459 | 2810043 | 2786513 | 2786672 | 0.84 | cps |
| Thallium | 205-1 | 6517298 | 6614592 | 6516418 | 6549436 | 0.86 | cps |
| Tin | 118-1 | 2674743 | 2655643 | 2701439 | 2677275 | 0.86 | cps |
| Titanium | 47-1 | 5039076 | 5205592 | 5089670 | 5111446 | 1.67 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | PB162888BS | Instrumnet Name : | P7 |
| Client Sample ID : | PB162888BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:26:14 | DataFile Name : | 093LCSS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8021073 | 8238546 | 8275162 | 8178260 | 1.68 | cps |
| Vanadium | 51-2 | 1050391 | 1054478 | 1029546 | 1044805 | 1.28 | cps |
| Yttrium | 89-1 | 10773079 | 10971702 | 10982886 | 10909222 | 1.08 | cps |
| Yttrium | 89-2 | 2406958 | 2487506 | 2454022 | 2449495 | 1.65 | cps |
| Zinc | 66-2 | 2124907 | 2164499 | 2107490 | 2132299 | 1.37 | cps |
| Zirconium | 90-1 | 5812591 | 5927515 | 5950288 | 5896798 | 1.25 | cps |
| Zirconium | 91-1 | 1305738 | 1315288 | 1317628 | 1312885 | 0.48 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-01 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0-0.5-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:29:01 | DataFile Name : | 094SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 9998907 | 9981231 | 9901852 | 9960663 | 0.52 | cps |
| Antimony | 121-1 | 22024 | 22211 | 22541 | 22258 | 1.18 | cps |
| Arsenic | 75-2 | 18819 | 18275 | 18458 | 18517 | 1.49 | cps |
| Barium | 135-1 | 885424 | 897107 | 895596 | 892709 | 0.71 | cps |
| Barium | 137-1 | 1617206 | 1627564 | 1655975 | 1633582 | 1.23 | cps |
| Beryllium | 9-1 | 7572 | 7722 | 8002 | 7765 | 2.81 | cps |
| Bismuth | 209-1 | 5558053 | 5497115 | 5603381 | 5552850 | 0.96 | cps |
| Bismuth | 209-2 | 4657726 | 4758872 | 4645113 | 4687237 | 1.33 | cps |
| Bromine | 81-1 | 35910 | 38871 | 40468 | 38417 | 6.02 | cps |
| Bromine | 81-2 | 5404 | 5691 | 5821 | 5639 | 3.78 | cps |
| Cadmium | 108-1 | 1553 | 1627 | 1787 | 1656 | 7.21 | cps |
| Cadmium | 106-1 | 5504 | 5628 | 5481 | 5538 | 1.42 | cps |
| Cadmium | 111-1 | 18881 | 19247 | 18648 | 18926 | 1.59 | cps |
| Calcium | 43-1 | 1267767 | 1340618 | 1340694 | 1316360 | 3.20 | cps |
| Calcium | 44-1 | 20974519 | 21620552 | 21645556 | 21413542 | 1.78 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 691992 | 684701 | 692347 | 689680 | 0.63 | cps |
| Cobalt | 59-2 | 814983 | 805697 | 805218 | 808633 | 0.68 | cps |
| Copper | 63-2 | 2852884 | 2845635 | 2838300 | 2845606 | 0.26 | cps |
| Dysprosium | 156-1 | 162206 | 164168 | 166049 | 164141 | 1.17 | cps |
| Dysprosium | 156-2 | 134696 | 134366 | 133087 | 134049 | 0.63 | cps |
| Erbium | 164-1 | 143570 | 143903 | 146274 | 144583 | 1.02 | cps |
| Erbium | 164-2 | 102536 | 101539 | 99548 | 101208 | 1.50 | cps |
| Gadolinium | 160-1 | 153956 | 156642 | 158232 | 156277 | 1.38 | cps |
| Gadolinium | 160-2 | 114580 | 115401 | 115350 | 115111 | 0.40 | cps |
| Holmium | 165-1 | 9342567 | 9522826 | 9569226 | 9478206 | 1.26 | cps |
| Holmium | 165-2 | 6734691 | 6756022 | 6676949 | 6722554 | 0.61 | cps |
| Indium | 115-1 | 7909200 | 7905385 | 7959403 | 7924663 | 0.38 | cps |
| Indium | 115-2 | 2529873 | 2523719 | 2536458 | 2530017 | 0.25 | cps |
| Iron | 56-2 | 326101895 | 327268128 | 325283882 | 326217968 | 0.31 | cps |
| Iron | 57-2 | 8072339 | 8201451 | 7992418 | 8088736 | 1.30 | cps |
| Iron | 54-2 | 17862085 | 17497323 | 17953896 | 17771101 | 1.36 | cps |
| Krypton | 83-1 | 420 | 350 | 413 | 394 | 9.79 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-01 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0-0.5-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:29:01 | DataFile Name : | 094SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 4344703 | 4348651 | 4389176 | 4360843 | 0.56 | cps |
| Lead | 207-1 | 3700961 | 3774125 | 3745875 | 3740320 | 0.99 | cps |
| Lead | 208-1 | 17087843 | 17137779 | 17230727 | 17152117 | 0.42 | cps |
| Lithium | 6-1 | 1705733 | 1654692 | 1701447 | 1687291 | 1.68 | cps |
| Magnesium | 24-2 | 4612093 | 4636740 | 4668466 | 4639100 | 0.61 | cps |
| Manganese | 55-2 | 5929208 | 5851792 | 5877329 | 5886109 | 0.67 | cps |
| Molybdenum | 94-1 | 200887 | 204390 | 204381 | 203219 | 0.99 | cps |
| Molybdenum | 95-1 | 38501 | 39834 | 38928 | 39088 | 1.74 | cps |
| Molybdenum | 96-1 | 75011 | 75722 | 77253 | 75995 | 1.51 | cps |
| Molybdenum | 97-1 | 24100 | 24223 | 24274 | 24199 | 0.37 | cps |
| Molybdenum | 98-1 | 61880 | 62302 | 61355 | 61846 | 0.77 | cps |
| Neodymium | 150-1 | 257257 | 260553 | 266539 | 261450 | 1.80 | cps |
| Neodymium | 150-2 | 151933 | 149847 | 149164 | 150315 | 0.96 | cps |
| Nickel | 60-2 | 421267 | 411710 | 414856 | 415944 | 1.17 | cps |
| Phosphorus | 31-2 | 35284 | 35157 | 36086 | 35509 | 1.42 | cps |
| Potassium | 39-2 | 1192360 | 1179714 | 1170789 | 1180954 | 0.92 | cps |
| Rhodium | 103-1 | 7362864 | 7438431 | 7568229 | 7456508 | 1.39 | cps |
| Rhodium | 103-2 | 4359932 | 4263979 | 4277822 | 4300578 | 1.21 | cps |
| Scandium | 45-1 | 5504531 | 5633053 | 5556397 | 5564660 | 1.16 | cps |
| Scandium | 45-2 | 384712 | 379769 | 385279 | 383253 | 0.79 | cps |
| Selenium | 82-1 | 980 | 1177 | 1035 | 1064 | 9.56 | cps |
| Selenium | 77-2 | 380 | 413 | 450 | 414 | 8.45 | cps |
| Selenium | 78-2 | 640 | 650 | 633 | 641 | 1.31 | cps |
| Silicon | 28-1 | 48656788 | 50095844 | 49651754 | 49468129 | 1.49 | cps |
| Silver | 107-1 | 126828 | 129576 | 131055 | 129153 | 1.66 | cps |
| Silver | 109-1 | 121078 | 123793 | 122771 | 122548 | 1.12 | cps |
| Sodium | 23-2 | 1434748 | 1462159 | 1429461 | 1442123 | 1.22 | cps |
| Strontium | 86-1 | 737827 | 759048 | 756768 | 751214 | 1.55 | cps |
| Strontium | 88-1 | 6526012 | 6535406 | 6558471 | 6539963 | 0.26 | cps |
| Sulfur | 34-1 | 510117 | 519630 | 516991 | 515579 | 0.95 | cps |
| Terbium | 159-1 | 9520878 | 9872965 | 10068490 | 9820778 | 2.83 | cps |
| Terbium | 159-2 | 6728006 | 6770498 | 6570579 | 6689694 | 1.57 | cps |
| Thallium | 203-1 | 5705 | 5828 | 5705 | 5746 | 1.24 | cps |
| Thallium | 205-1 | 13807 | 13954 | 13680 | 13814 | 0.99 | cps |
| Tin | 118-1 | 288494 | 300368 | 296857 | 295239 | 2.07 | cps |
| Titanium | 47-1 | 1500955 | 1553616 | 1535482 | 1530018 | 1.75 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-01 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0-0.5-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:29:01 | DataFile Name : | 094SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 175004 | 177192 | 177457 | 176551 | 0.76 | cps |
| Vanadium | 51-2 | 639622 | 631023 | 634335 | 634993 | 0.68 | cps |
| Yttrium | 89-1 | 13053533 | 13319255 | 13544549 | 13305779 | 1.85 | cps |
| Yttrium | 89-2 | 3083752 | 3089099 | 3056266 | 3076372 | 0.57 | cps |
| Zinc | 66-2 | 796208 | 783991 | 783765 | 787988 | 0.90 | cps |
| Zirconium | 90-1 | 478490 | 492122 | 498293 | 489635 | 2.07 | cps |
| Zirconium | 91-1 | 108783 | 111201 | 111191 | 110392 | 1.26 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-01DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0-0.5-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 21:32:04 | DataFile Name : | 095SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2006762 | 2005999 | 1965785 | 1992849 | 1.18 | cps |
| Antimony | 121-1 | 4784 | 4651 | 4821 | 4752 | 1.88 | cps |
| Arsenic | 75-2 | 3907 | 3704 | 3877 | 3829 | 2.87 | cps |
| Barium | 135-1 | 179031 | 178562 | 180473 | 179356 | 0.56 | cps |
| Barium | 137-1 | 307211 | 308964 | 309289 | 308488 | 0.36 | cps |
| Beryllium | 9-1 | 1620 | 1570 | 1650 | 1613 | 2.51 | cps |
| Bismuth | 209-1 | 5654246 | 5639885 | 5678742 | 5657624 | 0.35 | cps |
| Bismuth | 209-2 | 4806843 | 4800496 | 4711233 | 4772858 | 1.12 | cps |
| Bromine | 81-1 | 14180 | 14801 | 14818 | 14600 | 2.49 | cps |
| Bromine | 81-2 | 1207 | 1310 | 1303 | 1273 | 4.54 | cps |
| Cadmium | 108-1 | 410 | 387 | 363 | 387 | 6.03 | cps |
| Cadmium | 106-1 | 2987 | 2914 | 2907 | 2936 | 1.51 | cps |
| Cadmium | 111-1 | 5288 | 5206 | 5131 | 5208 | 1.51 | cps |
| Calcium | 43-1 | 279612 | 276714 | 281003 | 279109 | 0.78 | cps |
| Calcium | 44-1 | 4227139 | 4238635 | 4231381 | 4232385 | 0.14 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 136047 | 134424 | 135927 | 135466 | 0.67 | cps |
| Cobalt | 59-2 | 159659 | 158191 | 160329 | 159393 | 0.69 | cps |
| Copper | 63-2 | 554522 | 552504 | 548524 | 551850 | 0.55 | cps |
| Dysprosium | 156-1 | 33547 | 32892 | 33300 | 33246 | 0.99 | cps |
| Dysprosium | 156-2 | 25884 | 26218 | 26078 | 26060 | 0.64 | cps |
| Erbium | 164-1 | 28399 | 28633 | 28903 | 28645 | 0.88 | cps |
| Erbium | 164-2 | 19170 | 19751 | 19600 | 19507 | 1.55 | cps |
| Gadolinium | 160-1 | 30971 | 31034 | 31639 | 31215 | 1.18 | cps |
| Gadolinium | 160-2 | 23012 | 23486 | 22014 | 22838 | 3.29 | cps |
| Holmium | 165-1 | 9710311 | 9452121 | 9563278 | 9575237 | 1.35 | cps |
| Holmium | 165-2 | 6841272 | 6695307 | 6490608 | 6675729 | 2.64 | cps |
| Indium | 115-1 | 8315291 | 8148150 | 8238197 | 8233879 | 1.02 | cps |
| Indium | 115-2 | 2659604 | 2526582 | 2631710 | 2605965 | 2.69 | cps |
| Iron | 56-2 | 65262481 | 64427999 | 64546311 | 64745597 | 0.70 | cps |
| Iron | 57-2 | 1643698 | 1621370 | 1602871 | 1622646 | 1.26 | cps |
| Iron | 54-2 | 3584670 | 3530085 | 3485298 | 3533351 | 1.41 | cps |
| Krypton | 83-1 | 227 | 233 | 270 | 243 | 9.59 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-01DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0-0.5-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 21:32:04 | DataFile Name : | 095SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 780849 | 788726 | 793303 | 787626 | 0.80 | cps |
| Lead | 207-1 | 662494 | 668328 | 659076 | 663299 | 0.71 | cps |
| Lead | 208-1 | 3265547 | 3278531 | 3066125 | 3203401 | 3.72 | cps |
| Lithium | 6-1 | 1714551 | 1742729 | 1686651 | 1714644 | 1.64 | cps |
| Magnesium | 24-2 | 951037 | 953278 | 941916 | 948744 | 0.63 | cps |
| Manganese | 55-2 | 1174826 | 1172832 | 1176514 | 1174724 | 0.16 | cps |
| Molybdenum | 94-1 | 39995 | 40178 | 40683 | 40285 | 0.89 | cps |
| Molybdenum | 95-1 | 7939 | 8006 | 7819 | 7921 | 1.19 | cps |
| Molybdenum | 96-1 | 15722 | 15468 | 15235 | 15475 | 1.57 | cps |
| Molybdenum | 97-1 | 4988 | 4848 | 5008 | 4948 | 1.76 | cps |
| Molybdenum | 98-1 | 12539 | 12559 | 12632 | 12577 | 0.39 | cps |
| Neodymium | 150-1 | 53200 | 52598 | 52243 | 52680 | 0.92 | cps |
| Neodymium | 150-2 | 29244 | 29554 | 29114 | 29304 | 0.77 | cps |
| Nickel | 60-2 | 83317 | 83930 | 82998 | 83415 | 0.57 | cps |
| Phosphorus | 31-2 | 7465 | 7178 | 6935 | 7193 | 3.69 | cps |
| Potassium | 39-2 | 281331 | 281350 | 280265 | 280982 | 0.22 | cps |
| Rhodium | 103-1 | 7730344 | 7539683 | 7860037 | 7710021 | 2.09 | cps |
| Rhodium | 103-2 | 4372723 | 4347721 | 4426200 | 4382215 | 0.91 | cps |
| Scandium | 45-1 | 5341184 | 5226339 | 5262243 | 5276589 | 1.11 | cps |
| Scandium | 45-2 | 363400 | 365578 | 359704 | 362894 | 0.82 | cps |
| Selenium | 82-1 | 442 | 484 | 391 | 439 | 10.67 | cps |
| Selenium | 77-2 | 100 | 90 | 87 | 92 | 7.52 | cps |
| Selenium | 78-2 | 250 | 310 | 277 | 279 | 10.78 | cps |
| Silicon | 28-1 | 10187421 | 10076245 | 10127254 | 10130307 | 0.55 | cps |
| Silver | 107-1 | 26885 | 26194 | 26775 | 26618 | 1.40 | cps |
| Silver | 109-1 | 24988 | 24865 | 25042 | 24965 | 0.36 | cps |
| Sodium | 23-2 | 312809 | 314656 | 310977 | 312814 | 0.59 | cps |
| Strontium | 86-1 | 148571 | 150274 | 150891 | 149912 | 0.80 | cps |
| Strontium | 88-1 | 1291469 | 1304594 | 1308467 | 1301510 | 0.68 | cps |
| Sulfur | 34-1 | 235549 | 236936 | 234065 | 235517 | 0.61 | cps |
| Terbium | 159-1 | 9985871 | 9783549 | 10086178 | 9951866 | 1.55 | cps |
| Terbium | 159-2 | 6658343 | 6502944 | 6612640 | 6591309 | 1.21 | cps |
| Thallium | 203-1 | 1207 | 1227 | 1120 | 1185 | 4.79 | cps |
| Thallium | 205-1 | 3010 | 2810 | 2720 | 2847 | 5.21 | cps |
| Tin | 118-1 | 56259 | 55975 | 57136 | 56457 | 1.07 | cps |
| Titanium | 47-1 | 302571 | 307108 | 308006 | 305895 | 0.95 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-01DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0-0.5-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 21:32:04 | DataFile Name : | 095SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 35059 | 34993 | 34755 | 34936 | 0.46 | cps |
| Vanadium | 51-2 | 124805 | 123987 | 123605 | 124132 | 0.49 | cps |
| Yttrium | 89-1 | 11513532 | 11289836 | 11453508 | 11418958 | 1.01 | cps |
| Yttrium | 89-2 | 2625942 | 2580248 | 2590045 | 2598745 | 0.93 | cps |
| Zinc | 66-2 | 161109 | 161523 | 160345 | 160992 | 0.37 | cps |
| Zirconium | 90-1 | 95686 | 97920 | 97850 | 97152 | 1.31 | cps |
| Zirconium | 91-1 | 21038 | 21763 | 21532 | 21445 | 1.73 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-02 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:35:17 | DataFile Name : | 096SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 16011731 | 15783793 | 15752567 | 15849364 | 0.89 | cps |
| Antimony | 121-1 | 19159 | 19493 | 19533 | 19395 | 1.06 | cps |
| Arsenic | 75-2 | 22951 | 22594 | 23268 | 22938 | 1.47 | cps |
| Barium | 135-1 | 1212807 | 1227902 | 1235716 | 1225475 | 0.95 | cps |
| Barium | 137-1 | 2199576 | 2239809 | 2290301 | 2243228 | 2.03 | cps |
| Beryllium | 9-1 | 11354 | 10871 | 11554 | 11260 | 3.12 | cps |
| Bismuth | 209-1 | 5522111 | 5480216 | 5533037 | 5511788 | 0.51 | cps |
| Bismuth | 209-2 | 4783867 | 4739600 | 4727238 | 4750235 | 0.63 | cps |
| Bromine | 81-1 | 36438 | 39078 | 40626 | 38714 | 5.47 | cps |
| Bromine | 81-2 | 5711 | 5945 | 5825 | 5827 | 2.00 | cps |
| Cadmium | 108-1 | 2600 | 2550 | 2537 | 2562 | 1.30 | cps |
| Cadmium | 106-1 | 6945 | 7242 | 7088 | 7092 | 2.09 | cps |
| Cadmium | 111-1 | 30608 | 31612 | 30889 | 31036 | 1.67 | cps |
| Calcium | 43-1 | 1337739 | 1382053 | 1354390 | 1358061 | 1.65 | cps |
| Calcium | 44-1 | 21535182 | 21962509 | 21957996 | 21818562 | 1.12 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1081088 | 1089484 | 1083873 | 1084815 | 0.39 | cps |
| Cobalt | 59-2 | 1173488 | 1165012 | 1167394 | 1168631 | 0.37 | cps |
| Copper | 63-2 | 4136545 | 4090232 | 4088820 | 4105199 | 0.66 | cps |
| Dysprosium | 156-1 | 236773 | 240015 | 246159 | 240982 | 1.98 | cps |
| Dysprosium | 156-2 | 197192 | 198855 | 197662 | 197903 | 0.43 | cps |
| Erbium | 164-1 | 210844 | 215342 | 215938 | 214041 | 1.30 | cps |
| Erbium | 164-2 | 150249 | 147617 | 148918 | 148928 | 0.88 | cps |
| Gadolinium | 160-1 | 225886 | 233742 | 231066 | 230231 | 1.73 | cps |
| Gadolinium | 160-2 | 169494 | 166916 | 167644 | 168018 | 0.79 | cps |
| Holmium | 165-1 | 9573534 | 9833992 | 9826252 | 9744592 | 1.52 | cps |
| Holmium | 165-2 | 6961350 | 6825259 | 6921566 | 6902725 | 1.01 | cps |
| Indium | 115-1 | 8110573 | 8189223 | 8088629 | 8129475 | 0.65 | cps |
| Indium | 115-2 | 2627166 | 2663379 | 2641092 | 2643879 | 0.69 | cps |
| Iron | 56-2 | 522485086 | 525588592 | 518358112 | 522143930 | 0.69 | cps |
| Iron | 57-2 | 13038837 | 12950284 | 12974235 | 12987785 | 0.35 | cps |
| Iron | 54-2 | 28801296 | 28591190 | 28254175 | 28548887 | 0.97 | cps |
| Krypton | 83-1 | 463 | 490 | 473 | 476 | 2.83 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-02 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:35:17 | DataFile Name : | 096SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 6600569 | 6680595 | 6768809 | 6683324 | 1.26 | cps |
| Lead | 207-1 | 5598591 | 5787777 | 5825072 | 5737147 | 2.12 | cps |
| Lead | 208-1 | 25626337 | 26168339 | 26461921 | 26085532 | 1.63 | cps |
| Lithium | 6-1 | 1689866 | 1712365 | 1684916 | 1695715 | 0.86 | cps |
| Magnesium | 24-2 | 7751792 | 7597796 | 7596313 | 7648634 | 1.17 | cps |
| Manganese | 55-2 | 6187534 | 6234584 | 6213211 | 6211776 | 0.38 | cps |
| Molybdenum | 94-1 | 247175 | 253578 | 256420 | 252391 | 1.88 | cps |
| Molybdenum | 95-1 | 51715 | 51678 | 52253 | 51882 | 0.62 | cps |
| Molybdenum | 96-1 | 97821 | 101113 | 101087 | 100007 | 1.89 | cps |
| Molybdenum | 97-1 | 31945 | 32309 | 32249 | 32168 | 0.61 | cps |
| Molybdenum | 98-1 | 80018 | 83192 | 83121 | 82110 | 2.21 | cps |
| Neodymium | 150-1 | 374391 | 382339 | 381177 | 379302 | 1.13 | cps |
| Neodymium | 150-2 | 220080 | 220722 | 219487 | 220096 | 0.28 | cps |
| Nickel | 60-2 | 594819 | 586903 | 589261 | 590328 | 0.69 | cps |
| Phosphorus | 31-2 | 50209 | 50864 | 50373 | 50482 | 0.68 | cps |
| Potassium | 39-2 | 1996287 | 1976892 | 2005600 | 1992926 | 0.73 | cps |
| Rhodium | 103-1 | 7466626 | 7563737 | 7564263 | 7531542 | 0.75 | cps |
| Rhodium | 103-2 | 4280120 | 4412567 | 4332580 | 4341756 | 1.54 | cps |
| Scandium | 45-1 | 5784306 | 5730128 | 5711251 | 5741895 | 0.66 | cps |
| Scandium | 45-2 | 406909 | 409612 | 413334 | 409952 | 0.79 | cps |
| Selenium | 82-1 | 1265 | 1263 | 1292 | 1274 | 1.27 | cps |
| Selenium | 77-2 | 650 | 677 | 560 | 629 | 9.72 | cps |
| Selenium | 78-2 | 820 | 763 | 780 | 788 | 3.70 | cps |
| Silicon | 28-1 | 52054461 | 52352149 | 52170743 | 52192451 | 0.29 | cps |
| Silver | 107-1 | 179908 | 183769 | 185132 | 182936 | 1.48 | cps |
| Silver | 109-1 | 170616 | 173853 | 171684 | 172051 | 0.96 | cps |
| Sodium | 23-2 | 1677507 | 1649388 | 1657871 | 1661589 | 0.87 | cps |
| Strontium | 86-1 | 848076 | 868973 | 877923 | 864991 | 1.77 | cps |
| Strontium | 88-1 | 7521071 | 7760115 | 7743860 | 7675015 | 1.74 | cps |
| Sulfur | 34-1 | 454919 | 455597 | 450426 | 453647 | 0.62 | cps |
| Terbium | 159-1 | 10071814 | 10054858 | 10200699 | 10109124 | 0.79 | cps |
| Terbium | 159-2 | 6835767 | 6936073 | 6845456 | 6872432 | 0.81 | cps |
| Thallium | 203-1 | 7986 | 8343 | 8313 | 8214 | 2.41 | cps |
| Thallium | 205-1 | 19921 | 20299 | 19801 | 20007 | 1.30 | cps |
| Tin | 118-1 | 195013 | 193945 | 197723 | 195560 | 1.00 | cps |
| Titanium | 47-1 | 1778086 | 1832912 | 1856235 | 1822411 | 2.20 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-02 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:35:17 | DataFile Name : | 096SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 262027 | 267709 | 273257 | 267664 | 2.10 | cps |
| Vanadium | 51-2 | 1121990 | 1115216 | 1116195 | 1117800 | 0.33 | cps |
| Yttrium | 89-1 | 14198080 | 14468579 | 14720396 | 14462352 | 1.81 | cps |
| Yttrium | 89-2 | 3333042 | 3379372 | 3380334 | 3364249 | 0.80 | cps |
| Zinc | 66-2 | 1128010 | 1134031 | 1129701 | 1130581 | 0.27 | cps |
| Zirconium | 90-1 | 598643 | 611275 | 615512 | 608476 | 1.44 | cps |
| Zirconium | 91-1 | 134530 | 136501 | 139018 | 136683 | 1.65 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-02DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 21:38:18 | DataFile Name : | 097SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3140869 | 3148822 | 3106838 | 3132176 | 0.71 | cps |
| Antimony | 121-1 | 4031 | 4071 | 4267 | 4123 | 3.07 | cps |
| Arsenic | 75-2 | 4437 | 4671 | 4667 | 4592 | 2.91 | cps |
| Barium | 135-1 | 247013 | 245617 | 248939 | 247190 | 0.67 | cps |
| Barium | 137-1 | 427422 | 426000 | 426421 | 426615 | 0.17 | cps |
| Beryllium | 9-1 | 2364 | 2320 | 2497 | 2394 | 3.85 | cps |
| Bismuth | 209-1 | 5665422 | 5613080 | 5754123 | 5677541 | 1.26 | cps |
| Bismuth | 209-2 | 4873879 | 4826324 | 4759142 | 4819782 | 1.20 | cps |
| Bromine | 81-1 | 14287 | 15418 | 14894 | 14866 | 3.81 | cps |
| Bromine | 81-2 | 1317 | 1247 | 1310 | 1291 | 2.99 | cps |
| Cadmium | 108-1 | 533 | 473 | 553 | 520 | 8.01 | cps |
| Cadmium | 106-1 | 3354 | 3274 | 3274 | 3300 | 1.40 | cps |
| Cadmium | 111-1 | 7565 | 7952 | 7806 | 7774 | 2.51 | cps |
| Calcium | 43-1 | 285472 | 284384 | 292205 | 287354 | 1.47 | cps |
| Calcium | 44-1 | 4329922 | 4401892 | 4505850 | 4412555 | 2.00 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 215042 | 215614 | 214745 | 215134 | 0.21 | cps |
| Cobalt | 59-2 | 234135 | 234435 | 233263 | 233944 | 0.26 | cps |
| Copper | 63-2 | 835167 | 827137 | 820691 | 827665 | 0.88 | cps |
| Dysprosium | 156-1 | 48239 | 48667 | 47931 | 48279 | 0.77 | cps |
| Dysprosium | 156-2 | 38630 | 39128 | 38439 | 38732 | 0.92 | cps |
| Erbium | 164-1 | 42090 | 42692 | 42555 | 42445 | 0.74 | cps |
| Erbium | 164-2 | 29020 | 28579 | 29294 | 28964 | 1.25 | cps |
| Gadolinium | 160-1 | 46109 | 45962 | 46219 | 46097 | 0.28 | cps |
| Gadolinium | 160-2 | 33113 | 32675 | 33042 | 32943 | 0.71 | cps |
| Holmium | 165-1 | 9781587 | 9653141 | 9571818 | 9668849 | 1.09 | cps |
| Holmium | 165-2 | 6641606 | 6662118 | 6550714 | 6618146 | 0.90 | cps |
| Indium | 115-1 | 8408294 | 8431309 | 8487955 | 8442519 | 0.49 | cps |
| Indium | 115-2 | 2641105 | 2716935 | 2619946 | 2659329 | 1.92 | cps |
| Iron | 56-2 | 104393342 | 103088555 | 103604322 | 103695406 | 0.63 | cps |
| Iron | 57-2 | 2592013 | 2587352 | 2589131 | 2589499 | 0.09 | cps |
| Iron | 54-2 | 5783617 | 5641832 | 5619180 | 5681543 | 1.57 | cps |
| Krypton | 83-1 | 230 | 233 | 243 | 236 | 2.95 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-02DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 21:38:18 | DataFile Name : | 097SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1195347 | 1204259 | 1214229 | 1204612 | 0.78 | cps |
| Lead | 207-1 | 1012011 | 1017463 | 1018677 | 1016051 | 0.35 | cps |
| Lead | 208-1 | 4957476 | 5012180 | 5019624 | 4996426 | 0.68 | cps |
| Lithium | 6-1 | 1641396 | 1689201 | 1695105 | 1675234 | 1.76 | cps |
| Magnesium | 24-2 | 1506243 | 1514897 | 1508038 | 1509726 | 0.30 | cps |
| Manganese | 55-2 | 1257861 | 1232218 | 1244835 | 1244971 | 1.03 | cps |
| Molybdenum | 94-1 | 51444 | 50627 | 51403 | 51158 | 0.90 | cps |
| Molybdenum | 95-1 | 11603 | 10574 | 10644 | 10940 | 5.25 | cps |
| Molybdenum | 96-1 | 21392 | 20431 | 20007 | 20610 | 3.44 | cps |
| Molybdenum | 97-1 | 7249 | 6421 | 6668 | 6780 | 6.27 | cps |
| Molybdenum | 98-1 | 18119 | 16229 | 16913 | 17087 | 5.60 | cps |
| Neodymium | 150-1 | 75866 | 77287 | 75795 | 76316 | 1.10 | cps |
| Neodymium | 150-2 | 42959 | 43219 | 43550 | 43243 | 0.69 | cps |
| Nickel | 60-2 | 120550 | 121047 | 118819 | 120139 | 0.97 | cps |
| Phosphorus | 31-2 | 10113 | 10237 | 10180 | 10177 | 0.61 | cps |
| Potassium | 39-2 | 451982 | 455008 | 454802 | 453931 | 0.37 | cps |
| Rhodium | 103-1 | 7795664 | 7746608 | 7890636 | 7810969 | 0.94 | cps |
| Rhodium | 103-2 | 4461781 | 4541699 | 4411023 | 4471501 | 1.47 | cps |
| Scandium | 45-1 | 5375055 | 5333644 | 5467492 | 5392064 | 1.27 | cps |
| Scandium | 45-2 | 380540 | 377017 | 377039 | 378199 | 0.54 | cps |
| Selenium | 82-1 | 519 | 540 | 547 | 535 | 2.65 | cps |
| Selenium | 77-2 | 110 | 103 | 107 | 107 | 3.13 | cps |
| Selenium | 78-2 | 320 | 350 | 370 | 347 | 7.26 | cps |
| Silicon | 28-1 | 10734579 | 10459047 | 10675919 | 10623182 | 1.37 | cps |
| Silver | 107-1 | 37221 | 37926 | 37378 | 37508 | 0.99 | cps |
| Silver | 109-1 | 35129 | 34718 | 36015 | 35287 | 1.88 | cps |
| Sodium | 23-2 | 355366 | 351475 | 351764 | 352868 | 0.61 | cps |
| Strontium | 86-1 | 175394 | 175496 | 176458 | 175783 | 0.33 | cps |
| Strontium | 88-1 | 1523993 | 1550630 | 1568364 | 1547663 | 1.44 | cps |
| Sulfur | 34-1 | 210060 | 211358 | 214947 | 212122 | 1.19 | cps |
| Terbium | 159-1 | 10030786 | 10060491 | 10021529 | 10037602 | 0.20 | cps |
| Terbium | 159-2 | 6659920 | 6722504 | 6591816 | 6658080 | 0.98 | cps |
| Thallium | 203-1 | 1747 | 1697 | 1680 | 1708 | 2.03 | cps |
| Thallium | 205-1 | 4167 | 4241 | 4074 | 4161 | 2.01 | cps |
| Tin | 118-1 | 37532 | 37088 | 37332 | 37317 | 0.60 | cps |
| Titanium | 47-1 | 360103 | 362993 | 369100 | 364066 | 1.26 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-02DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-904-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 21:38:18 | DataFile Name : | 097SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 52637 | 53122 | 53189 | 52983 | 0.57 | cps |
| Vanadium | 51-2 | 221987 | 220174 | 220303 | 220821 | 0.46 | cps |
| Yttrium | 89-1 | 11659842 | 11817450 | 11940807 | 11806033 | 1.19 | cps |
| Yttrium | 89-2 | 2713973 | 2795842 | 2735312 | 2748376 | 1.55 | cps |
| Zinc | 66-2 | 237937 | 234641 | 232377 | 234985 | 1.19 | cps |
| Zirconium | 90-1 | 120886 | 124248 | 121068 | 122067 | 1.55 | cps |
| Zirconium | 91-1 | 26354 | 27105 | 27005 | 26821 | 1.52 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-03 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:41:26 | DataFile Name : | 098SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4106998 | 4158311 | 4174584 | 4146631 | 0.85 | cps |
| Antimony | 121-1 | 21179 | 22181 | 21566 | 21642 | 2.33 | cps |
| Arsenic | 75-2 | 6955 | 7108 | 7112 | 7058 | 1.27 | cps |
| Barium | 135-1 | 802872 | 814871 | 825405 | 814382 | 1.38 | cps |
| Barium | 137-1 | 1397641 | 1408020 | 1426698 | 1410786 | 1.04 | cps |
| Beryllium | 9-1 | 3734 | 3660 | 3770 | 3722 | 1.51 | cps |
| Bismuth | 209-1 | 5574952 | 5542444 | 5499113 | 5538836 | 0.69 | cps |
| Bismuth | 209-2 | 4708195 | 4840684 | 4804159 | 4784346 | 1.43 | cps |
| Bromine | 81-1 | 71329 | 86481 | 96818 | 84876 | 15.10 | cps |
| Bromine | 81-2 | 15999 | 16463 | 16212 | 16225 | 1.43 | cps |
| Cadmium | 108-1 | 320 | 317 | 293 | 310 | 4.69 | cps |
| Cadmium | 106-1 | 3080 | 2977 | 3027 | 3028 | 1.71 | cps |
| Cadmium | 111-1 | 5973 | 5869 | 6248 | 6030 | 3.24 | cps |
| Calcium | 43-1 | 332403 | 337410 | 339681 | 336498 | 1.11 | cps |
| Calcium | 44-1 | 5023639 | 5054666 | 5141037 | 5073114 | 1.20 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 173867 | 175345 | 174616 | 174610 | 0.42 | cps |
| Cobalt | 59-2 | 20668 | 20414 | 20297 | 20460 | 0.93 | cps |
| Copper | 63-2 | 416260 | 420438 | 417997 | 418231 | 0.50 | cps |
| Dysprosium | 156-1 | 63238 | 64089 | 64206 | 63844 | 0.83 | cps |
| Dysprosium | 156-2 | 53391 | 53976 | 54773 | 54047 | 1.28 | cps |
| Erbium | 164-1 | 52461 | 53154 | 53649 | 53088 | 1.12 | cps |
| Erbium | 164-2 | 36915 | 36755 | 37403 | 37025 | 0.91 | cps |
| Gadolinium | 160-1 | 60503 | 62295 | 60540 | 61113 | 1.68 | cps |
| Gadolinium | 160-2 | 44444 | 44691 | 45627 | 44921 | 1.39 | cps |
| Holmium | 165-1 | 9493164 | 9451588 | 9541260 | 9495337 | 0.47 | cps |
| Holmium | 165-2 | 6696775 | 6688330 | 6640825 | 6675310 | 0.45 | cps |
| Indium | 115-1 | 8230726 | 8136571 | 8212206 | 8193168 | 0.61 | cps |
| Indium | 115-2 | 2616950 | 2651151 | 2641695 | 2636599 | 0.67 | cps |
| Iron | 56-2 | 38714776 | 39382205 | 39356655 | 39151212 | 0.97 | cps |
| Iron | 57-2 | 1016675 | 1022801 | 1024953 | 1021476 | 0.42 | cps |
| Iron | 54-2 | 2170058 | 2196377 | 2155895 | 2174110 | 0.94 | cps |
| Krypton | 83-1 | 283 | 297 | 237 | 272 | 11.57 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-03 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:41:26 | DataFile Name : | 098SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1378796 | 1393211 | 1395038 | 1389015 | 0.64 | cps |
| Lead | 207-1 | 1152031 | 1170385 | 1176125 | 1166180 | 1.08 | cps |
| Lead | 208-1 | 5727721 | 5807803 | 5783348 | 5772957 | 0.71 | cps |
| Lithium | 6-1 | 1554473 | 1676730 | 1617535 | 1616246 | 3.78 | cps |
| Magnesium | 24-2 | 650064 | 642484 | 647442 | 646663 | 0.60 | cps |
| Manganese | 55-2 | 2979725 | 3006593 | 2999071 | 2995130 | 0.46 | cps |
| Molybdenum | 94-1 | 18328 | 19309 | 20000 | 19213 | 4.37 | cps |
| Molybdenum | 95-1 | 11301 | 11178 | 11578 | 11352 | 1.81 | cps |
| Molybdenum | 96-1 | 14851 | 14894 | 14814 | 14853 | 0.27 | cps |
| Molybdenum | 97-1 | 6825 | 7068 | 7289 | 7061 | 3.28 | cps |
| Molybdenum | 98-1 | 17260 | 18395 | 18155 | 17937 | 3.33 | cps |
| Neodymium | 150-1 | 114420 | 115639 | 117858 | 115972 | 1.50 | cps |
| Neodymium | 150-2 | 67256 | 67266 | 67085 | 67203 | 0.15 | cps |
| Nickel | 60-2 | 39322 | 39833 | 39382 | 39512 | 0.71 | cps |
| Phosphorus | 31-2 | 15878 | 15608 | 15845 | 15777 | 0.93 | cps |
| Potassium | 39-2 | 310340 | 309782 | 311122 | 310415 | 0.22 | cps |
| Rhodium | 103-1 | 7595248 | 7715168 | 7540473 | 7616963 | 1.17 | cps |
| Rhodium | 103-2 | 4456360 | 4399725 | 4420849 | 4425644 | 0.65 | cps |
| Scandium | 45-1 | 5216291 | 5145072 | 5367881 | 5243081 | 2.17 | cps |
| Scandium | 45-2 | 372836 | 371981 | 373817 | 372878 | 0.25 | cps |
| Selenium | 82-1 | 1222 | 1228 | 1367 | 1272 | 6.46 | cps |
| Selenium | 77-2 | 247 | 197 | 277 | 240 | 16.84 | cps |
| Selenium | 78-2 | 453 | 580 | 567 | 533 | 13.05 | cps |
| Silicon | 28-1 | 21930286 | 22256266 | 22971635 | 22386062 | 2.38 | cps |
| Silver | 107-1 | 41274 | 38488 | 38301 | 39354 | 4.23 | cps |
| Silver | 109-1 | 35280 | 36352 | 36703 | 36112 | 2.05 | cps |
| Sodium | 23-2 | 1630500 | 1662343 | 1651341 | 1648061 | 0.98 | cps |
| Strontium | 86-1 | 288762 | 293331 | 293506 | 291866 | 0.92 | cps |
| Strontium | 88-1 | 2564411 | 2570349 | 2613964 | 2582908 | 1.05 | cps |
| Sulfur | 34-1 | 311322 | 315491 | 312382 | 313065 | 0.69 | cps |
| Terbium | 159-1 | 9972709 | 9809199 | 9939267 | 9907058 | 0.87 | cps |
| Terbium | 159-2 | 6693043 | 6752190 | 6593750 | 6679661 | 1.20 | cps |
| Thallium | 203-1 | 1790 | 1790 | 1937 | 1839 | 4.60 | cps |
| Thallium | 205-1 | 4531 | 4337 | 4381 | 4416 | 2.30 | cps |
| Tin | 118-1 | 67112 | 69305 | 69446 | 68621 | 1.91 | cps |
| Titanium | 47-1 | 519868 | 533905 | 537771 | 530515 | 1.78 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-03 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:41:26 | DataFile Name : | 098SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 92519 | 94425 | 96010 | 94318 | 1.85 | cps |
| Vanadium | 51-2 | 115213 | 116472 | 113989 | 115225 | 1.08 | cps |
| Yttrium | 89-1 | 11700679 | 11727202 | 11987643 | 11805175 | 1.34 | cps |
| Yttrium | 89-2 | 2792076 | 2801124 | 2766759 | 2786653 | 0.64 | cps |
| Zinc | 66-2 | 121337 | 121459 | 122686 | 121827 | 0.61 | cps |
| Zirconium | 90-1 | 33989 | 34113 | 35727 | 34610 | 2.80 | cps |
| Zirconium | 91-1 | 7809 | 8209 | 7919 | 7979 | 2.59 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-03DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 21:44:38 | DataFile Name : | 099SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 828173 | 823518 | 817293 | 822994 | 0.66 | cps |
| Antimony | 121-1 | 4404 | 4234 | 4344 | 4327 | 1.99 | cps |
| Arsenic | 75-2 | 1393 | 1517 | 1347 | 1419 | 6.19 | cps |
| Barium | 135-1 | 158317 | 160565 | 160504 | 159795 | 0.80 | cps |
| Barium | 137-1 | 273584 | 276921 | 274851 | 275119 | 0.61 | cps |
| Beryllium | 9-1 | 847 | 783 | 683 | 771 | 10.68 | cps |
| Bismuth | 209-1 | 5717077 | 5761386 | 5737660 | 5738708 | 0.39 | cps |
| Bismuth | 209-2 | 4813358 | 4845075 | 4872339 | 4843591 | 0.61 | cps |
| Bromine | 81-1 | 29025 | 30031 | 29707 | 29587 | 1.73 | cps |
| Bromine | 81-2 | 3804 | 3617 | 3761 | 3727 | 2.62 | cps |
| Cadmium | 108-1 | 57 | 80 | 93 | 77 | 24.20 | cps |
| Cadmium | 106-1 | 2410 | 2540 | 2267 | 2406 | 5.68 | cps |
| Cadmium | 111-1 | 2458 | 2572 | 2298 | 2443 | 5.63 | cps |
| Calcium | 43-1 | 65263 | 66391 | 65099 | 65584 | 1.07 | cps |
| Calcium | 44-1 | 1045533 | 1076597 | 1055385 | 1059172 | 1.50 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 33574 | 34473 | 33307 | 33785 | 1.81 | cps |
| Cobalt | 59-2 | 4194 | 4054 | 4051 | 4099 | 2.00 | cps |
| Copper | 63-2 | 82221 | 81283 | 81631 | 81712 | 0.58 | cps |
| Dysprosium | 156-1 | 12319 | 12225 | 11882 | 12142 | 1.90 | cps |
| Dysprosium | 156-2 | 10344 | 10084 | 10354 | 10260 | 1.49 | cps |
| Erbium | 164-1 | 10324 | 10601 | 10461 | 10462 | 1.32 | cps |
| Erbium | 164-2 | 7432 | 7209 | 7305 | 7315 | 1.53 | cps |
| Gadolinium | 160-1 | 11959 | 11979 | 11155 | 11697 | 4.02 | cps |
| Gadolinium | 160-2 | 8826 | 8556 | 8576 | 8653 | 1.74 | cps |
| Holmium | 165-1 | 9772056 | 9717345 | 9588498 | 9692633 | 0.97 | cps |
| Holmium | 165-2 | 6635201 | 6678665 | 6645323 | 6653063 | 0.34 | cps |
| Indium | 115-1 | 8457331 | 8344116 | 8433863 | 8411770 | 0.71 | cps |
| Indium | 115-2 | 2655770 | 2663275 | 2658616 | 2659220 | 0.14 | cps |
| Iron | 56-2 | 7582878 | 7517708 | 7538486 | 7546357 | 0.44 | cps |
| Iron | 57-2 | 200054 | 197377 | 199250 | 198893 | 0.69 | cps |
| Iron | 54-2 | 436592 | 429486 | 432873 | 432984 | 0.82 | cps |
| Krypton | 83-1 | 187 | 250 | 190 | 209 | 17.06 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-03DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 21:44:38 | DataFile Name : | 099SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 272524 | 270535 | 271381 | 271480 | 0.37 | cps |
| Lead | 207-1 | 226929 | 227426 | 227796 | 227384 | 0.19 | cps |
| Lead | 208-1 | 1052041 | 1056792 | 1048770 | 1052534 | 0.38 | cps |
| Lithium | 6-1 | 1691033 | 1656631 | 1648563 | 1665409 | 1.35 | cps |
| Magnesium | 24-2 | 126804 | 124885 | 124129 | 125273 | 1.10 | cps |
| Manganese | 55-2 | 580258 | 577445 | 574907 | 577536 | 0.46 | cps |
| Molybdenum | 94-1 | 4004 | 3994 | 3911 | 3969 | 1.29 | cps |
| Molybdenum | 95-1 | 2260 | 2277 | 2410 | 2316 | 3.55 | cps |
| Molybdenum | 96-1 | 2974 | 3134 | 2980 | 3029 | 2.99 | cps |
| Molybdenum | 97-1 | 1393 | 1383 | 1343 | 1373 | 1.93 | cps |
| Molybdenum | 98-1 | 3547 | 3791 | 3417 | 3585 | 5.29 | cps |
| Neodymium | 150-1 | 23062 | 23263 | 22334 | 22886 | 2.13 | cps |
| Neodymium | 150-2 | 12999 | 12903 | 12566 | 12823 | 1.78 | cps |
| Nickel | 60-2 | 7669 | 7572 | 8026 | 7755 | 3.08 | cps |
| Phosphorus | 31-2 | 3064 | 3127 | 3004 | 3065 | 2.01 | cps |
| Potassium | 39-2 | 96232 | 96772 | 94417 | 95807 | 1.29 | cps |
| Rhodium | 103-1 | 7974799 | 7941990 | 7761224 | 7892671 | 1.46 | cps |
| Rhodium | 103-2 | 4526066 | 4619160 | 4383162 | 4509463 | 2.64 | cps |
| Scandium | 45-1 | 5262635 | 5150649 | 5292289 | 5235191 | 1.43 | cps |
| Scandium | 45-2 | 373136 | 370175 | 366701 | 370004 | 0.87 | cps |
| Selenium | 82-1 | 474 | 493 | 498 | 488 | 2.60 | cps |
| Selenium | 77-2 | 43 | 67 | 43 | 51 | 26.37 | cps |
| Selenium | 78-2 | 270 | 270 | 273 | 271 | 0.71 | cps |
| Silicon | 28-1 | 4642522 | 4807439 | 4648855 | 4699605 | 1.99 | cps |
| Silver | 107-1 | 7736 | 7529 | 7335 | 7533 | 2.66 | cps |
| Silver | 109-1 | 8312 | 7409 | 8114 | 7945 | 5.98 | cps |
| Sodium | 23-2 | 346898 | 339431 | 341790 | 342706 | 1.11 | cps |
| Strontium | 86-1 | 56337 | 57040 | 57535 | 56971 | 1.06 | cps |
| Strontium | 88-1 | 491918 | 500976 | 490165 | 494353 | 1.17 | cps |
| Sulfur | 34-1 | 173014 | 173189 | 172046 | 172750 | 0.36 | cps |
| Terbium | 159-1 | 10131975 | 9900568 | 10087361 | 10039968 | 1.22 | cps |
| Terbium | 159-2 | 6568833 | 6657085 | 6682565 | 6636161 | 0.90 | cps |
| Thallium | 203-1 | 443 | 383 | 403 | 410 | 7.45 | cps |
| Thallium | 205-1 | 920 | 897 | 983 | 933 | 4.80 | cps |
| Tin | 118-1 | 13156 | 13156 | 13490 | 13267 | 1.45 | cps |
| Titanium | 47-1 | 103357 | 102649 | 105542 | 103849 | 1.45 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-03DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 21:44:38 | DataFile Name : | 099SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 17612 | 18082 | 18236 | 17977 | 1.81 | cps |
| Vanadium | 51-2 | 22407 | 21392 | 22100 | 21966 | 2.37 | cps |
| Yttrium | 89-1 | 11429951 | 11535719 | 11314680 | 11426783 | 0.97 | cps |
| Yttrium | 89-2 | 2584796 | 2565381 | 2566391 | 2572189 | 0.42 | cps |
| Zinc | 66-2 | 24504 | 24610 | 24447 | 24520 | 0.34 | cps |
| Zirconium | 90-1 | 7002 | 7218 | 7135 | 7118 | 1.54 | cps |
| Zirconium | 91-1 | 1623 | 1700 | 1650 | 1658 | 2.35 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV07 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV07 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:47:52 | DataFile Name : | 100CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5665061 | 5816493 | 5770450 | 5750668 | 1.35 | cps |
| Antimony | 121-1 | 3285274 | 3344020 | 3347008 | 3325434 | 1.05 | cps |
| Arsenic | 75-2 | 158089 | 159793 | 157014 | 158298 | 0.89 | cps |
| Barium | 135-1 | 3939210 | 4072791 | 3952291 | 3988097 | 1.85 | cps |
| Barium | 137-1 | 6725788 | 6949099 | 6905303 | 6860064 | 1.72 | cps |
| Beryllium | 9-1 | 624462 | 653338 | 655467 | 644422 | 2.69 | cps |
| Bismuth | 209-1 | 5210700 | 5315281 | 5417385 | 5314455 | 1.94 | cps |
| Bismuth | 209-2 | 4518306 | 4519222 | 4555476 | 4531001 | 0.47 | cps |
| Bromine | 81-1 | 10827 | 10327 | 10214 | 10456 | 3.12 | cps |
| Bromine | 81-2 | 403 | 360 | 353 | 372 | 7.29 | cps |
| Cadmium | 108-1 | 56536 | 56456 | 56252 | 56415 | 0.26 | cps |
| Cadmium | 106-1 | 84005 | 83649 | 83247 | 83633 | 0.45 | cps |
| Cadmium | 111-1 | 765987 | 772752 | 766930 | 768556 | 0.48 | cps |
| Calcium | 43-1 | 4888572 | 4836958 | 4864204 | 4863245 | 0.53 | cps |
| Calcium | 44-1 | 76267034 | 77333584 | 77422309 | 77007642 | 0.83 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1148228 | 1150669 | 1147669 | 1148855 | 0.14 | cps |
| Cobalt | 59-2 | 1717672 | 1750503 | 1761024 | 1743066 | 1.30 | cps |
| Copper | 63-2 | 11904216 | 11775836 | 11556677 | 11745576 | 1.50 | cps |
| Dysprosium | 156-1 | 237 | 250 | 300 | 262 | 12.73 | cps |
| Dysprosium | 156-2 | 323 | 303 | 313 | 313 | 3.19 | cps |
| Erbium | 164-1 | 223 | 220 | 240 | 228 | 4.70 | cps |
| Erbium | 164-2 | 173 | 140 | 150 | 154 | 11.08 | cps |
| Gadolinium | 160-1 | 170 | 220 | 183 | 191 | 13.55 | cps |
| Gadolinium | 160-2 | 443 | 453 | 397 | 431 | 7.02 | cps |
| Holmium | 165-1 | 9545149 | 9609773 | 9731261 | 9628728 | 0.98 | cps |
| Holmium | 165-2 | 6636840 | 6745290 | 6676358 | 6686163 | 0.82 | cps |
| Indium | 115-1 | 7961487 | 8034565 | 7819739 | 7938597 | 1.38 | cps |
| Indium | 115-2 | 2524720 | 2478186 | 2476468 | 2493125 | 1.10 | cps |
| Iron | 56-2 | 242801163 | 243238490 | 239062410 | 241700688 | 0.95 | cps |
| Iron | 57-2 | 6077984 | 6121501 | 6120704 | 6106730 | 0.41 | cps |
| Iron | 54-2 | 13140518 | 13237287 | 13401907 | 13259904 | 1.00 | cps |
| Krypton | 83-1 | 190 | 167 | 233 | 197 | 17.20 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV07 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV07 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:47:52 | DataFile Name : | 100CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10142111 | 10351607 | 10366814 | 10286844 | 1.22 | cps |
| Lead | 207-1 | 8952683 | 9181116 | 9086943 | 9073581 | 1.27 | cps |
| Lead | 208-1 | 40096824 | 41442818 | 41683580 | 41074407 | 2.08 | cps |
| Lithium | 6-1 | 1691344 | 1740307 | 1704512 | 1712054 | 1.48 | cps |
| Magnesium | 24-2 | 51209684 | 50872773 | 50601991 | 50894816 | 0.60 | cps |
| Manganese | 55-2 | 8063687 | 8064600 | 7823407 | 7983898 | 1.74 | cps |
| Molybdenum | 94-1 | 12254492 | 12199398 | 11905077 | 12119656 | 1.55 | cps |
| Molybdenum | 95-1 | 17928562 | 17798376 | 17688858 | 17805265 | 0.67 | cps |
| Molybdenum | 96-1 | 19529886 | 19481716 | 19592202 | 19534602 | 0.28 | cps |
| Molybdenum | 97-1 | 11013650 | 11171254 | 10934462 | 11039789 | 1.09 | cps |
| Molybdenum | 98-1 | 28581355 | 28508849 | 27613688 | 28234630 | 1.91 | cps |
| Neodymium | 150-1 | 300 | 413 | 317 | 343 | 17.82 | cps |
| Neodymium | 150-2 | 140 | 123 | 117 | 127 | 9.49 | cps |
| Nickel | 60-2 | 433536 | 434311 | 432218 | 433355 | 0.24 | cps |
| Phosphorus | 31-2 | 65372 | 66306 | 66581 | 66086 | 0.96 | cps |
| Potassium | 39-2 | 30538245 | 29956230 | 30050406 | 30181627 | 1.04 | cps |
| Rhodium | 103-1 | 7180730 | 7134130 | 7022649 | 7112503 | 1.14 | cps |
| Rhodium | 103-2 | 4122759 | 4068563 | 4050772 | 4080698 | 0.92 | cps |
| Scandium | 45-1 | 5135584 | 5313464 | 5190351 | 5213133 | 1.75 | cps |
| Scandium | 45-2 | 360769 | 357213 | 357967 | 358650 | 0.52 | cps |
| Selenium | 82-1 | 51885 | 52206 | 51455 | 51849 | 0.73 | cps |
| Selenium | 77-2 | 4251 | 4364 | 4341 | 4318 | 1.39 | cps |
| Selenium | 78-2 | 14687 | 14260 | 14554 | 14501 | 1.51 | cps |
| Silicon | 28-1 | 32390278 | 32675625 | 32660293 | 32575398 | 0.49 | cps |
| Silver | 107-1 | 3875754 | 3790741 | 3750261 | 3805585 | 1.68 | cps |
| Silver | 109-1 | 3689292 | 3643646 | 3645716 | 3659551 | 0.70 | cps |
| Sodium | 23-2 | 81122664 | 81786217 | 80777720 | 81228867 | 0.63 | cps |
| Strontium | 86-1 | 26118406 | 26051775 | 26100977 | 26090386 | 0.13 | cps |
| Strontium | 88-1 | 230280463 | 225155777 | 228062157 | 227832799 | 1.13 | cps |
| Sulfur | 34-1 | 470244 | 474961 | 480341 | 475182 | 1.06 | cps |
| Terbium | 159-1 | 9857136 | 9857624 | 10160366 | 9958376 | 1.76 | cps |
| Terbium | 159-2 | 6496335 | 6449768 | 6475267 | 6473790 | 0.36 | cps |
| Thallium | 203-1 | 2594592 | 2640856 | 2674735 | 2636728 | 1.53 | cps |
| Thallium | 205-1 | 6026490 | 6308104 | 6337546 | 6224047 | 2.76 | cps |
| Tin | 118-1 | 2581014 | 2615088 | 2642332 | 2612811 | 1.18 | cps |
| Titanium | 47-1 | 4935635 | 5030348 | 5020317 | 4995434 | 1.04 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV07 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV07 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:47:52 | DataFile Name : | 100CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7842950 | 8160402 | 8061986 | 8021779 | 2.03 | cps |
| Vanadium | 51-2 | 1031200 | 1027414 | 1026724 | 1028446 | 0.23 | cps |
| Yttrium | 89-1 | 11089419 | 10916259 | 11150780 | 11052153 | 1.10 | cps |
| Yttrium | 89-2 | 2528196 | 2514420 | 2472557 | 2505058 | 1.16 | cps |
| Zinc | 66-2 | 2045132 | 2029471 | 1993646 | 2022750 | 1.30 | cps |
| Zirconium | 90-1 | 5799590 | 5753000 | 5708258 | 5753616 | 0.79 | cps |
| Zirconium | 91-1 | 1286462 | 1299262 | 1301890 | 1295871 | 0.64 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB07 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB07 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:55:17 | DataFile Name : | 101CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 280 | 330 | 373 | 328 | 14.25 | cps |
| Antimony | 121-1 | 773 | 1023 | 973 | 923 | 14.33 | cps |
| Arsenic | 75-2 | 3 | 13 | 17 | 11 | 62.48 | cps |
| Barium | 135-1 | 83 | 97 | 70 | 83 | 16.00 | cps |
| Barium | 137-1 | 150 | 173 | 130 | 151 | 14.35 | cps |
| Beryllium | 9-1 | 113 | 143 | 87 | 114 | 24.77 | cps |
| Bismuth | 209-1 | 5714184 | 5678263 | 5790002 | 5727483 | 1.00 | cps |
| Bismuth | 209-2 | 4747238 | 4910841 | 4752254 | 4803444 | 1.94 | cps |
| Bromine | 81-1 | 7612 | 8079 | 7869 | 7853 | 2.98 | cps |
| Bromine | 81-2 | 100 | 143 | 120 | 121 | 17.91 | cps |
| Cadmium | 108-1 | 7 | 17 | 13 | 12 | 41.65 | cps |
| Cadmium | 106-1 | 2150 | 2180 | 2367 | 2232 | 5.26 | cps |
| Cadmium | 111-1 | 1514 | 1551 | 1661 | 1575 | 4.85 | cps |
| Calcium | 43-1 | 407 | 320 | 380 | 369 | 12.03 | cps |
| Calcium | 44-1 | 11158 | 10874 | 10564 | 10866 | 2.73 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 523 | 527 | 567 | 539 | 4.47 | cps |
| Cobalt | 59-2 | 83 | 93 | 90 | 89 | 5.73 | cps |
| Copper | 63-2 | 1087 | 1043 | 1253 | 1128 | 9.83 | cps |
| Dysprosium | 156-1 | 27 | 33 | 33 | 31 | 12.36 | cps |
| Dysprosium | 156-2 | 0 | 13 | 0 | 4 | 173.21 | cps |
| Erbium | 164-1 | 73 | 80 | 77 | 77 | 4.35 | cps |
| Erbium | 164-2 | 33 | 33 | 40 | 36 | 10.83 | cps |
| Gadolinium | 160-1 | 50 | 37 | 27 | 38 | 30.98 | cps |
| Gadolinium | 160-2 | 277 | 310 | 303 | 297 | 5.95 | cps |
| Holmium | 165-1 | 9652664 | 9645820 | 9525114 | 9607866 | 0.75 | cps |
| Holmium | 165-2 | 6652072 | 6683507 | 6453569 | 6596382 | 1.89 | cps |
| Indium | 115-1 | 8292492 | 8536011 | 8247852 | 8358785 | 1.86 | cps |
| Indium | 115-2 | 2655530 | 2652210 | 2612891 | 2640210 | 0.90 | cps |
| Iron | 56-2 | 14837 | 16082 | 17163 | 16028 | 7.26 | cps |
| Iron | 57-2 | 1417 | 1640 | 1620 | 1559 | 7.93 | cps |
| Iron | 54-2 | 1517 | 1597 | 1807 | 1640 | 9.13 | cps |
| Krypton | 83-1 | 167 | 240 | 233 | 213 | 19.01 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB07 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB07 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:55:17 | DataFile Name : | 101CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 510 | 470 | 457 | 479 | 5.80 | cps |
| Lead | 207-1 | 437 | 423 | 410 | 423 | 3.15 | cps |
| Lead | 208-1 | 1963 | 1830 | 1930 | 1908 | 3.64 | cps |
| Lithium | 6-1 | 1596825 | 1638803 | 1636896 | 1624175 | 1.46 | cps |
| Magnesium | 24-2 | 1390 | 1543 | 1750 | 1561 | 11.57 | cps |
| Manganese | 55-2 | 490 | 423 | 513 | 476 | 9.82 | cps |
| Molybdenum | 94-1 | 463 | 387 | 500 | 450 | 12.85 | cps |
| Molybdenum | 95-1 | 343 | 307 | 397 | 349 | 12.97 | cps |
| Molybdenum | 96-1 | 433 | 413 | 450 | 432 | 4.25 | cps |
| Molybdenum | 97-1 | 247 | 213 | 273 | 244 | 12.30 | cps |
| Molybdenum | 98-1 | 540 | 560 | 593 | 564 | 4.77 | cps |
| Neodymium | 150-1 | 10 | 3 | 13 | 9 | 57.30 | cps |
| Neodymium | 150-2 | 3 | 3 | 7 | 4 | 43.40 | cps |
| Nickel | 60-2 | 173 | 133 | 137 | 148 | 15.02 | cps |
| Phosphorus | 31-2 | 93 | 123 | 117 | 111 | 14.17 | cps |
| Potassium | 39-2 | 45618 | 46404 | 45675 | 45899 | 0.95 | cps |
| Rhodium | 103-1 | 7906198 | 7944797 | 7808578 | 7886524 | 0.89 | cps |
| Rhodium | 103-2 | 4506556 | 4478537 | 4402812 | 4462635 | 1.20 | cps |
| Scandium | 45-1 | 5256792 | 5302884 | 5119973 | 5226549 | 1.82 | cps |
| Scandium | 45-2 | 368058 | 371291 | 362921 | 367423 | 1.15 | cps |
| Selenium | 82-1 | 295 | 313 | 285 | 298 | 4.75 | cps |
| Selenium | 77-2 | 3 | 3 | 3 | 3 | 0.00 | cps |
| Selenium | 78-2 | 193 | 193 | 187 | 191 | 2.01 | cps |
| Silicon | 28-1 | 293705 | 292890 | 295441 | 294012 | 0.44 | cps |
| Silver | 107-1 | 227 | 170 | 210 | 202 | 14.40 | cps |
| Silver | 109-1 | 163 | 153 | 113 | 143 | 18.46 | cps |
| Sodium | 23-2 | 17847 | 17807 | 17737 | 17797 | 0.31 | cps |
| Strontium | 86-1 | 673 | 490 | 637 | 600 | 16.17 | cps |
| Strontium | 88-1 | 2274 | 2157 | 2267 | 2232 | 2.94 | cps |
| Sulfur | 34-1 | 189441 | 188626 | 189388 | 189152 | 0.24 | cps |
| Terbium | 159-1 | 10127300 | 9894897 | 9908022 | 9976740 | 1.31 | cps |
| Terbium | 159-2 | 6685964 | 6597806 | 6553229 | 6612333 | 1.02 | cps |
| Thallium | 203-1 | 63 | 53 | 57 | 58 | 8.81 | cps |
| Thallium | 205-1 | 143 | 133 | 200 | 159 | 22.62 | cps |
| Tin | 118-1 | 977 | 1010 | 1173 | 1053 | 9.99 | cps |
| Titanium | 47-1 | 183 | 170 | 193 | 182 | 6.43 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB07 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB07 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 21:55:17 | DataFile Name : | 101CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 93 | 103 | 83 | 93 | 10.72 | cps |
| Vanadium | 51-2 | 40 | 30 | 7 | 26 | 66.92 | cps |
| Yttrium | 89-1 | 11215564 | 11343942 | 10878276 | 11145927 | 2.16 | cps |
| Yttrium | 89-2 | 2579971 | 2555893 | 2497140 | 2544335 | 1.67 | cps |
| Zinc | 66-2 | 793 | 817 | 787 | 799 | 1.97 | cps |
| Zirconium | 90-1 | 643 | 790 | 840 | 758 | 13.49 | cps |
| Zirconium | 91-1 | 140 | 163 | 203 | 169 | 18.97 | cps |

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On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-04 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0.5-1-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:00:21 | DataFile Name : | 102SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6399929 | 6426974 | 6366279 | 6397727 | 0.48 | cps |
| Antimony | 121-1 | 87119 | 87850 | 89775 | 88248 | 1.55 | cps |
| Arsenic | 75-2 | 28107 | 28060 | 28284 | 28150 | 0.42 | cps |
| Barium | 135-1 | 2030386 | 2090786 | 2077678 | 2066283 | 1.54 | cps |
| Barium | 137-1 | 3507991 | 3501340 | 3569991 | 3526441 | 1.07 | cps |
| Beryllium | 9-1 | 5928 | 6171 | 6205 | 6101 | 2.48 | cps |
| Bismuth | 209-1 | 5578428 | 5589874 | 5602403 | 5590235 | 0.21 | cps |
| Bismuth | 209-2 | 4796479 | 4821932 | 4789174 | 4802529 | 0.36 | cps |
| Bromine | 81-1 | 70500 | 77515 | 80732 | 76249 | 6.86 | cps |
| Bromine | 81-2 | 12562 | 12782 | 12312 | 12552 | 1.88 | cps |
| Cadmium | 108-1 | 1090 | 993 | 1090 | 1058 | 5.28 | cps |
| Cadmium | 106-1 | 3931 | 4421 | 4401 | 4251 | 6.53 | cps |
| Cadmium | 111-1 | 13366 | 13944 | 14066 | 13792 | 2.71 | cps |
| Calcium | 43-1 | 590060 | 592224 | 597709 | 593331 | 0.66 | cps |
| Calcium | 44-1 | 9005851 | 9064908 | 9135258 | 9068672 | 0.71 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 313521 | 309799 | 310263 | 311194 | 0.65 | cps |
| Cobalt | 59-2 | 182759 | 183889 | 184191 | 183613 | 0.41 | cps |
| Copper | 63-2 | 1126907 | 1127506 | 1128925 | 1127779 | 0.09 | cps |
| Dysprosium | 156-1 | 153209 | 154826 | 158508 | 155514 | 1.75 | cps |
| Dysprosium | 156-2 | 125677 | 127416 | 126097 | 126396 | 0.72 | cps |
| Erbium | 164-1 | 159426 | 159732 | 163092 | 160750 | 1.27 | cps |
| Erbium | 164-2 | 112045 | 111121 | 112035 | 111734 | 0.47 | cps |
| Gadolinium | 160-1 | 160539 | 165863 | 167681 | 164694 | 2.25 | cps |
| Gadolinium | 160-2 | 120416 | 121652 | 122204 | 121424 | 0.75 | cps |
| Holmium | 165-1 | 9630513 | 9800879 | 9563488 | 9664960 | 1.27 | cps |
| Holmium | 165-2 | 6796856 | 6738637 | 6859458 | 6798317 | 0.89 | cps |
| Indium | 115-1 | 8244200 | 8267599 | 8346179 | 8285992 | 0.64 | cps |
| Indium | 115-2 | 2657115 | 2710097 | 2733078 | 2700097 | 1.44 | cps |
| Iron | 56-2 | 193906904 | 196569870 | 195716637 | 195397804 | 0.70 | cps |
| Iron | 57-2 | 4865325 | 4836466 | 4754475 | 4818755 | 1.19 | cps |
| Iron | 54-2 | 10459242 | 10518101 | 10662989 | 10546777 | 0.99 | cps |
| Krypton | 83-1 | 397 | 410 | 387 | 398 | 2.94 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-04 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0.5-1-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:00:21 | DataFile Name : | 102SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 5564746 | 5710802 | 5728725 | 5668091 | 1.59 | cps |
| Lead | 207-1 | 4787615 | 4899187 | 4944836 | 4877212 | 1.66 | cps |
| Lead | 208-1 | 21944732 | 22281111 | 22513487 | 22246443 | 1.29 | cps |
| Lithium | 6-1 | 1595379 | 1648317 | 1658613 | 1634103 | 2.08 | cps |
| Magnesium | 24-2 | 1785371 | 1757952 | 1761036 | 1768120 | 0.85 | cps |
| Manganese | 55-2 | 33167519 | 33528941 | 33914673 | 33537044 | 1.11 | cps |
| Molybdenum | 94-1 | 82501 | 83657 | 84978 | 83712 | 1.48 | cps |
| Molybdenum | 95-1 | 49738 | 50878 | 50346 | 50321 | 1.13 | cps |
| Molybdenum | 96-1 | 64046 | 64401 | 66232 | 64893 | 1.81 | cps |
| Molybdenum | 97-1 | 30889 | 30829 | 30442 | 30720 | 0.79 | cps |
| Molybdenum | 98-1 | 76559 | 78530 | 79076 | 78055 | 1.70 | cps |
| Neodymium | 150-1 | 231404 | 234693 | 240015 | 235371 | 1.85 | cps |
| Neodymium | 150-2 | 136558 | 136292 | 137416 | 136755 | 0.43 | cps |
| Nickel | 60-2 | 96595 | 96388 | 96770 | 96584 | 0.20 | cps |
| Phosphorus | 31-2 | 46193 | 45514 | 45832 | 45846 | 0.74 | cps |
| Potassium | 39-2 | 757552 | 758551 | 762292 | 759465 | 0.33 | cps |
| Rhodium | 103-1 | 7665516 | 7906637 | 7762188 | 7778113 | 1.56 | cps |
| Rhodium | 103-2 | 4374512 | 4509100 | 4509240 | 4464284 | 1.74 | cps |
| Scandium | 45-1 | 5402523 | 5450493 | 5488695 | 5447237 | 0.79 | cps |
| Scandium | 45-2 | 385206 | 386228 | 390500 | 387311 | 0.73 | cps |
| Selenium | 82-1 | 1938 | 2058 | 2046 | 2014 | 3.28 | cps |
| Selenium | 77-2 | 537 | 520 | 517 | 524 | 2.04 | cps |
| Selenium | 78-2 | 943 | 840 | 917 | 900 | 5.96 | cps |
| Silicon | 28-1 | 33996679 | 33713855 | 34333432 | 34014655 | 0.91 | cps |
| Silver | 107-1 | 212299 | 219831 | 220103 | 217411 | 2.04 | cps |
| Silver | 109-1 | 200497 | 208261 | 210710 | 206489 | 2.58 | cps |
| Sodium | 23-2 | 1978594 | 1983832 | 1987776 | 1983401 | 0.23 | cps |
| Strontium | 86-1 | 506195 | 517909 | 520031 | 514712 | 1.45 | cps |
| Strontium | 88-1 | 4449988 | 4598380 | 4560133 | 4536167 | 1.70 | cps |
| Sulfur | 34-1 | 503045 | 504875 | 500933 | 502951 | 0.39 | cps |
| Terbium | 159-1 | 9871970 | 10009324 | 10343911 | 10075068 | 2.41 | cps |
| Terbium | 159-2 | 6769897 | 6730240 | 6868176 | 6789438 | 1.05 | cps |
| Thallium | 203-1 | 7462 | 7509 | 7365 | 7445 | 0.98 | cps |
| Thallium | 205-1 | 17238 | 17505 | 17421 | 17388 | 0.79 | cps |
| Tin | 118-1 | 113413 | 116719 | 119326 | 116486 | 2.54 | cps |
| Titanium | 47-1 | 975572 | 996742 | 996420 | 989578 | 1.23 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-04 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0.5-1-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:00:21 | DataFile Name : | 102SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 94704 | 95120 | 96889 | 95571 | 1.21 | cps |
| Vanadium | 51-2 | 484397 | 488601 | 489418 | 487472 | 0.55 | cps |
| Yttrium | 89-1 | 14173383 | 14140680 | 14570548 | 14294870 | 1.67 | cps |
| Yttrium | 89-2 | 3275822 | 3339351 | 3321924 | 3312365 | 0.99 | cps |
| Zinc | 66-2 | 396324 | 394447 | 395598 | 395456 | 0.24 | cps |
| Zirconium | 90-1 | 152183 | 153402 | 155474 | 153686 | 1.08 | cps |
| Zirconium | 91-1 | 34167 | 34781 | 34658 | 34535 | 0.94 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-04DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0.5-1-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:03:24 | DataFile Name : | 103SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1255193 | 1244371 | 1222960 | 1240841 | 1.32 | cps |
| Antimony | 121-1 | 17394 | 17654 | 17270 | 17440 | 1.12 | cps |
| Arsenic | 75-2 | 5134 | 5348 | 5291 | 5258 | 2.10 | cps |
| Barium | 135-1 | 383175 | 380545 | 380911 | 381543 | 0.37 | cps |
| Barium | 137-1 | 661890 | 664947 | 656718 | 661185 | 0.63 | cps |
| Beryllium | 9-1 | 1243 | 1153 | 1137 | 1178 | 4.87 | cps |
| Bismuth | 209-1 | 5797703 | 5744382 | 5677305 | 5739797 | 1.05 | cps |
| Bismuth | 209-2 | 4834440 | 4849903 | 4846803 | 4843715 | 0.17 | cps |
| Bromine | 81-1 | 23145 | 23916 | 23733 | 23598 | 1.71 | cps |
| Bromine | 81-2 | 2690 | 2800 | 2414 | 2635 | 7.56 | cps |
| Cadmium | 108-1 | 247 | 197 | 233 | 226 | 11.48 | cps |
| Cadmium | 106-1 | 3110 | 2697 | 2817 | 2875 | 7.40 | cps |
| Cadmium | 111-1 | 4438 | 4024 | 4162 | 4208 | 5.01 | cps |
| Calcium | 43-1 | 116171 | 118217 | 117313 | 117233 | 0.87 | cps |
| Calcium | 44-1 | 1782894 | 1770534 | 1799266 | 1784231 | 0.81 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 60450 | 60568 | 59219 | 60079 | 1.24 | cps |
| Cobalt | 59-2 | 35382 | 35656 | 35642 | 35560 | 0.43 | cps |
| Copper | 63-2 | 223722 | 221211 | 219826 | 221587 | 0.89 | cps |
| Dysprosium | 156-1 | 30483 | 30740 | 30694 | 30639 | 0.45 | cps |
| Dysprosium | 156-2 | 24231 | 24301 | 24648 | 24394 | 0.92 | cps |
| Erbium | 164-1 | 31218 | 31272 | 31542 | 31344 | 0.55 | cps |
| Erbium | 164-2 | 21650 | 22058 | 21527 | 21745 | 1.28 | cps |
| Gadolinium | 160-1 | 31987 | 32778 | 32277 | 32347 | 1.24 | cps |
| Gadolinium | 160-2 | 23413 | 23690 | 23530 | 23544 | 0.59 | cps |
| Holmium | 165-1 | 9771637 | 9884604 | 9627253 | 9761165 | 1.32 | cps |
| Holmium | 165-2 | 6757414 | 6777773 | 6583102 | 6706096 | 1.60 | cps |
| Indium | 115-1 | 8409057 | 8473670 | 8325240 | 8402656 | 0.89 | cps |
| Indium | 115-2 | 2687518 | 2674269 | 2724372 | 2695386 | 0.96 | cps |
| Iron | 56-2 | 37573420 | 38082447 | 37761354 | 37805741 | 0.68 | cps |
| Iron | 57-2 | 966544 | 975014 | 971432 | 970996 | 0.44 | cps |
| Iron | 54-2 | 2074718 | 1989723 | 2073075 | 2045839 | 2.38 | cps |
| Krypton | 83-1 | 250 | 220 | 240 | 237 | 6.45 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-04DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0.5-1-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:03:24 | DataFile Name : | 103SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1008870 | 1010051 | 1013989 | 1010970 | 0.27 | cps |
| Lead | 207-1 | 849455 | 856096 | 853102 | 852884 | 0.39 | cps |
| Lead | 208-1 | 4173114 | 4221786 | 4197689 | 4197530 | 0.58 | cps |
| Lithium | 6-1 | 1631271 | 1618521 | 1596504 | 1615432 | 1.09 | cps |
| Magnesium | 24-2 | 356701 | 354030 | 355318 | 355350 | 0.38 | cps |
| Manganese | 55-2 | 6503992 | 6372778 | 6491116 | 6455962 | 1.12 | cps |
| Molybdenum | 94-1 | 16933 | 16957 | 16820 | 16903 | 0.43 | cps |
| Molybdenum | 95-1 | 9827 | 9860 | 10110 | 9932 | 1.56 | cps |
| Molybdenum | 96-1 | 13029 | 12896 | 12742 | 12889 | 1.11 | cps |
| Molybdenum | 97-1 | 6061 | 6221 | 6065 | 6116 | 1.50 | cps |
| Molybdenum | 98-1 | 15268 | 15578 | 15792 | 15546 | 1.69 | cps |
| Neodymium | 150-1 | 47255 | 47881 | 47102 | 47413 | 0.87 | cps |
| Neodymium | 150-2 | 26966 | 26388 | 26235 | 26529 | 1.45 | cps |
| Nickel | 60-2 | 19319 | 18922 | 18969 | 19070 | 1.14 | cps |
| Phosphorus | 31-2 | 8726 | 8859 | 8773 | 8786 | 0.77 | cps |
| Potassium | 39-2 | 184672 | 182476 | 183765 | 183638 | 0.60 | cps |
| Rhodium | 103-1 | 8034136 | 8088806 | 7835930 | 7986291 | 1.67 | cps |
| Rhodium | 103-2 | 4535119 | 4504363 | 4547173 | 4528885 | 0.49 | cps |
| Scandium | 45-1 | 5398571 | 5354497 | 5329202 | 5360757 | 0.65 | cps |
| Scandium | 45-2 | 378528 | 372677 | 375194 | 375466 | 0.78 | cps |
| Selenium | 82-1 | 582 | 683 | 712 | 659 | 10.33 | cps |
| Selenium | 77-2 | 60 | 87 | 103 | 83 | 26.23 | cps |
| Selenium | 78-2 | 397 | 403 | 373 | 391 | 4.03 | cps |
| Silicon | 28-1 | 7059414 | 6977622 | 7241462 | 7092833 | 1.90 | cps |
| Silver | 107-1 | 43542 | 44882 | 44114 | 44179 | 1.52 | cps |
| Silver | 109-1 | 41663 | 42770 | 41730 | 42054 | 1.48 | cps |
| Sodium | 23-2 | 411991 | 409234 | 414563 | 411929 | 0.65 | cps |
| Strontium | 86-1 | 101121 | 100611 | 101960 | 101231 | 0.67 | cps |
| Strontium | 88-1 | 883166 | 881899 | 878057 | 881041 | 0.30 | cps |
| Sulfur | 34-1 | 220137 | 221023 | 219119 | 220093 | 0.43 | cps |
| Terbium | 159-1 | 10241802 | 9792900 | 10035743 | 10023482 | 2.24 | cps |
| Terbium | 159-2 | 6778779 | 6683955 | 6832650 | 6765128 | 1.11 | cps |
| Thallium | 203-1 | 1393 | 1443 | 1447 | 1428 | 2.09 | cps |
| Thallium | 205-1 | 3664 | 3644 | 3400 | 3569 | 4.11 | cps |
| Tin | 118-1 | 22598 | 22398 | 22214 | 22403 | 0.86 | cps |
| Titanium | 47-1 | 191898 | 196150 | 192925 | 193658 | 1.15 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-04DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0.5-1-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:03:24 | DataFile Name : | 103SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 18610 | 18596 | 18563 | 18590 | 0.13 | cps |
| Vanadium | 51-2 | 94259 | 92800 | 92833 | 93297 | 0.89 | cps |
| Yttrium | 89-1 | 11865215 | 11981383 | 11812233 | 11886277 | 0.73 | cps |
| Yttrium | 89-2 | 2710860 | 2699660 | 2742388 | 2717636 | 0.82 | cps |
| Zinc | 66-2 | 78435 | 77737 | 78063 | 78078 | 0.45 | cps |
| Zirconium | 90-1 | 29941 | 30508 | 29523 | 29991 | 1.65 | cps |
| Zirconium | 91-1 | 6542 | 6675 | 6852 | 6689 | 2.33 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-05 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:06:38 | DataFile Name : | 104SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5761245 | 5677848 | 5824759 | 5754617 | 1.28 | cps |
| Antimony | 121-1 | 84942 | 85972 | 87719 | 86211 | 1.63 | cps |
| Arsenic | 75-2 | 26410 | 26083 | 26343 | 26279 | 0.66 | cps |
| Barium | 135-1 | 1601306 | 1634528 | 1641752 | 1625862 | 1.33 | cps |
| Barium | 137-1 | 2758075 | 2742727 | 2823079 | 2774627 | 1.54 | cps |
| Beryllium | 9-1 | 5038 | 5231 | 5334 | 5201 | 2.90 | cps |
| Bismuth | 209-1 | 5752187 | 6117396 | 5576659 | 5815414 | 4.74 | cps |
| Bismuth | 209-2 | 4864659 | 4709298 | 4814502 | 4796153 | 1.65 | cps |
| Bromine | 81-1 | 79633 | 85395 | 90351 | 85126 | 6.30 | cps |
| Bromine | 81-2 | 13500 | 13443 | 13366 | 13436 | 0.50 | cps |
| Cadmium | 108-1 | 730 | 807 | 853 | 797 | 7.82 | cps |
| Cadmium | 106-1 | 4031 | 3931 | 3891 | 3951 | 1.83 | cps |
| Cadmium | 111-1 | 10956 | 11080 | 11179 | 11072 | 1.01 | cps |
| Calcium | 43-1 | 520765 | 514238 | 524375 | 519793 | 0.99 | cps |
| Calcium | 44-1 | 7814526 | 7920942 | 7785457 | 7840309 | 0.91 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 267106 | 265195 | 264279 | 265527 | 0.54 | cps |
| Cobalt | 59-2 | 109503 | 109019 | 109325 | 109282 | 0.22 | cps |
| Copper | 63-2 | 1096770 | 1084322 | 1090603 | 1090565 | 0.57 | cps |
| Dysprosium | 156-1 | 119907 | 122842 | 124688 | 122479 | 1.97 | cps |
| Dysprosium | 156-2 | 99842 | 99785 | 99453 | 99693 | 0.21 | cps |
| Erbium | 164-1 | 119836 | 122494 | 126591 | 122974 | 2.77 | cps |
| Erbium | 164-2 | 87941 | 85727 | 85624 | 86431 | 1.51 | cps |
| Gadolinium | 160-1 | 126579 | 127579 | 130622 | 128260 | 1.64 | cps |
| Gadolinium | 160-2 | 94908 | 92426 | 93100 | 93478 | 1.37 | cps |
| Holmium | 165-1 | 9913427 | 10491036 | 9715629 | 10040031 | 4.01 | cps |
| Holmium | 165-2 | 6775391 | 6641416 | 6798228 | 6738345 | 1.26 | cps |
| Indium | 115-1 | 8580716 | 9161687 | 8432042 | 8724815 | 4.42 | cps |
| Indium | 115-2 | 2689700 | 2683165 | 2579842 | 2650902 | 2.32 | cps |
| Iron | 56-2 | 159506074 | 158122581 | 158433864 | 158687507 | 0.46 | cps |
| Iron | 57-2 | 3937188 | 3877447 | 3811250 | 3875295 | 1.63 | cps |
| Iron | 54-2 | 8755675 | 8528986 | 8416683 | 8567115 | 2.02 | cps |
| Krypton | 83-1 | 363 | 423 | 447 | 411 | 10.46 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-05 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:06:38 | DataFile Name : | 104SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 5234052 | 5256445 | 5341422 | 5277306 | 1.07 | cps |
| Lead | 207-1 | 4476782 | 4504214 | 4615702 | 4532233 | 1.62 | cps |
| Lead | 208-1 | 20342793 | 20769496 | 21051063 | 20721117 | 1.72 | cps |
| Lithium | 6-1 | 1608814 | 1762282 | 1570608 | 1647235 | 6.16 | cps |
| Magnesium | 24-2 | 1423395 | 1392190 | 1396845 | 1404144 | 1.20 | cps |
| Manganese | 55-2 | 15383379 | 15353849 | 15480946 | 15406058 | 0.43 | cps |
| Molybdenum | 94-1 | 69514 | 70911 | 72606 | 71010 | 2.18 | cps |
| Molybdenum | 95-1 | 45243 | 45564 | 46644 | 45817 | 1.60 | cps |
| Molybdenum | 96-1 | 56863 | 58845 | 59567 | 58425 | 2.40 | cps |
| Molybdenum | 97-1 | 28084 | 27710 | 29203 | 28332 | 2.74 | cps |
| Molybdenum | 98-1 | 71135 | 72217 | 73608 | 72320 | 1.71 | cps |
| Neodymium | 150-1 | 185938 | 189615 | 192385 | 189313 | 1.71 | cps |
| Neodymium | 150-2 | 110190 | 109891 | 109532 | 109871 | 0.30 | cps |
| Nickel | 60-2 | 81761 | 80521 | 81390 | 81224 | 0.78 | cps |
| Phosphorus | 31-2 | 39768 | 38996 | 39163 | 39309 | 1.03 | cps |
| Potassium | 39-2 | 627716 | 623347 | 622764 | 624609 | 0.43 | cps |
| Rhodium | 103-1 | 7876336 | 8539871 | 7923690 | 8113299 | 4.56 | cps |
| Rhodium | 103-2 | 4522715 | 4540050 | 4380636 | 4481133 | 1.95 | cps |
| Scandium | 45-1 | 5434265 | 5829025 | 5387934 | 5550408 | 4.37 | cps |
| Scandium | 45-2 | 381138 | 379426 | 383038 | 381201 | 0.47 | cps |
| Selenium | 82-1 | 1952 | 2051 | 2073 | 2025 | 3.20 | cps |
| Selenium | 77-2 | 423 | 390 | 423 | 412 | 4.67 | cps |
| Selenium | 78-2 | 907 | 757 | 887 | 850 | 9.58 | cps |
| Silicon | 28-1 | 33131431 | 33569789 | 33582138 | 33427786 | 0.77 | cps |
| Silver | 107-1 | 193773 | 195783 | 200598 | 196718 | 1.78 | cps |
| Silver | 109-1 | 183605 | 184884 | 187159 | 185216 | 0.97 | cps |
| Sodium | 23-2 | 2047654 | 2032721 | 2068557 | 2049644 | 0.88 | cps |
| Strontium | 86-1 | 458203 | 459171 | 465411 | 460928 | 0.85 | cps |
| Strontium | 88-1 | 4093771 | 4063207 | 4115780 | 4090919 | 0.65 | cps |
| Sulfur | 34-1 | 481856 | 484772 | 484563 | 483730 | 0.34 | cps |
| Terbium | 159-1 | 10287862 | 11165330 | 10264597 | 10572596 | 4.86 | cps |
| Terbium | 159-2 | 6808334 | 6674003 | 6623437 | 6701924 | 1.43 | cps |
| Thallium | 203-1 | 5695 | 6041 | 5788 | 5841 | 3.07 | cps |
| Thallium | 205-1 | 13877 | 14111 | 14071 | 14020 | 0.89 | cps |
| Tin | 118-1 | 123336 | 128877 | 129267 | 127160 | 2.61 | cps |
| Titanium | 47-1 | 932716 | 959090 | 955383 | 949063 | 1.50 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-05 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:06:38 | DataFile Name : | 104SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 96352 | 96654 | 99061 | 97356 | 1.52 | cps |
| Vanadium | 51-2 | 446750 | 450826 | 445514 | 447697 | 0.62 | cps |
| Yttrium | 89-1 | 13901025 | 14646614 | 13604883 | 14050840 | 3.82 | cps |
| Yttrium | 89-2 | 3177243 | 3169076 | 3156572 | 3167631 | 0.33 | cps |
| Zinc | 66-2 | 280203 | 278603 | 281433 | 280080 | 0.51 | cps |
| Zirconium | 90-1 | 123027 | 122644 | 125989 | 123887 | 1.48 | cps |
| Zirconium | 91-1 | 27459 | 27927 | 27950 | 27779 | 1.00 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-05DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:09:43 | DataFile Name : | 105SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1127768 | 1131819 | 1118901 | 1126163 | 0.59 | cps |
| Antimony | 121-1 | 16907 | 17588 | 16857 | 17117 | 2.39 | cps |
| Arsenic | 75-2 | 4724 | 4868 | 4844 | 4812 | 1.60 | cps |
| Barium | 135-1 | 291421 | 296857 | 294921 | 294400 | 0.94 | cps |
| Barium | 137-1 | 509346 | 513415 | 504990 | 509250 | 0.83 | cps |
| Beryllium | 9-1 | 1010 | 1070 | 1007 | 1029 | 3.46 | cps |
| Bismuth | 209-1 | 5661467 | 4937793 | 5874645 | 5491302 | 8.94 | cps |
| Bismuth | 209-2 | 4737706 | 4861829 | 4888281 | 4829272 | 1.66 | cps |
| Bromine | 81-1 | 24367 | 24954 | 25282 | 24868 | 1.86 | cps |
| Bromine | 81-2 | 2904 | 2834 | 2887 | 2875 | 1.27 | cps |
| Cadmium | 108-1 | 150 | 180 | 153 | 161 | 10.20 | cps |
| Cadmium | 106-1 | 2677 | 2164 | 2540 | 2460 | 10.81 | cps |
| Cadmium | 111-1 | 3446 | 3262 | 3378 | 3362 | 2.76 | cps |
| Calcium | 43-1 | 100242 | 101500 | 101930 | 101224 | 0.87 | cps |
| Calcium | 44-1 | 1537222 | 1522644 | 1558621 | 1539496 | 1.18 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 50956 | 51993 | 50635 | 51194 | 1.39 | cps |
| Cobalt | 59-2 | 21215 | 21435 | 21362 | 21337 | 0.53 | cps |
| Copper | 63-2 | 211496 | 210996 | 212891 | 211794 | 0.46 | cps |
| Dysprosium | 156-1 | 23503 | 23880 | 23974 | 23786 | 1.05 | cps |
| Dysprosium | 156-2 | 19033 | 18863 | 18826 | 18907 | 0.58 | cps |
| Erbium | 164-1 | 23410 | 23921 | 23870 | 23734 | 1.19 | cps |
| Erbium | 164-2 | 16567 | 16456 | 16580 | 16534 | 0.41 | cps |
| Gadolinium | 160-1 | 24181 | 24992 | 24996 | 24723 | 1.90 | cps |
| Gadolinium | 160-2 | 18105 | 17928 | 17614 | 17883 | 1.39 | cps |
| Holmium | 165-1 | 9875987 | 8340043 | 9768472 | 9328168 | 9.19 | cps |
| Holmium | 165-2 | 6603499 | 6711644 | 6786695 | 6700613 | 1.37 | cps |
| Indium | 115-1 | 8503254 | 7211774 | 8561894 | 8092308 | 9.43 | cps |
| Indium | 115-2 | 2671585 | 2693443 | 2644263 | 2669764 | 0.92 | cps |
| Iron | 56-2 | 29945616 | 30261390 | 30306928 | 30171311 | 0.65 | cps |
| Iron | 57-2 | 772038 | 781889 | 781750 | 778559 | 0.73 | cps |
| Iron | 54-2 | 1639436 | 1649694 | 1656450 | 1648527 | 0.52 | cps |
| Krypton | 83-1 | 250 | 240 | 213 | 234 | 8.08 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-05DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:09:43 | DataFile Name : | 105SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 928609 | 923209 | 918895 | 923571 | 0.53 | cps |
| Lead | 207-1 | 783585 | 792355 | 786147 | 787362 | 0.57 | cps |
| Lead | 208-1 | 3829618 | 3889293 | 3804694 | 3841202 | 1.13 | cps |
| Lithium | 6-1 | 1608954 | 1408827 | 1630446 | 1549409 | 7.89 | cps |
| Magnesium | 24-2 | 280289 | 278732 | 276263 | 278428 | 0.73 | cps |
| Manganese | 55-2 | 2929425 | 2961864 | 2926902 | 2939397 | 0.66 | cps |
| Molybdenum | 94-1 | 13306 | 13800 | 13917 | 13674 | 2.37 | cps |
| Molybdenum | 95-1 | 8913 | 9000 | 8833 | 8915 | 0.94 | cps |
| Molybdenum | 96-1 | 11078 | 11428 | 10954 | 11153 | 2.20 | cps |
| Molybdenum | 97-1 | 5211 | 5378 | 5314 | 5301 | 1.59 | cps |
| Molybdenum | 98-1 | 14070 | 14434 | 13960 | 14155 | 1.75 | cps |
| Neodymium | 150-1 | 37106 | 37209 | 37851 | 37388 | 1.08 | cps |
| Neodymium | 150-2 | 21153 | 21223 | 21113 | 21163 | 0.26 | cps |
| Nickel | 60-2 | 15999 | 15955 | 15965 | 15973 | 0.14 | cps |
| Phosphorus | 31-2 | 7422 | 7215 | 7412 | 7350 | 1.59 | cps |
| Potassium | 39-2 | 154633 | 156111 | 153097 | 154614 | 0.97 | cps |
| Rhodium | 103-1 | 8154144 | 7007613 | 8139582 | 7767113 | 8.47 | cps |
| Rhodium | 103-2 | 4536207 | 4501626 | 4406462 | 4481432 | 1.50 | cps |
| Scandium | 45-1 | 5339600 | 4599339 | 5500523 | 5146487 | 9.34 | cps |
| Scandium | 45-2 | 374171 | 371225 | 367779 | 371058 | 0.86 | cps |
| Selenium | 82-1 | 733 | 681 | 729 | 714 | 4.03 | cps |
| Selenium | 77-2 | 120 | 60 | 93 | 91 | 32.99 | cps |
| Selenium | 78-2 | 343 | 373 | 353 | 357 | 4.28 | cps |
| Silicon | 28-1 | 6662387 | 6721328 | 6414038 | 6599251 | 2.47 | cps |
| Silver | 107-1 | 38026 | 38260 | 37983 | 38090 | 0.39 | cps |
| Silver | 109-1 | 35894 | 36362 | 36680 | 36312 | 1.09 | cps |
| Sodium | 23-2 | 420137 | 420557 | 417782 | 419492 | 0.36 | cps |
| Strontium | 86-1 | 89115 | 91258 | 89013 | 89795 | 1.41 | cps |
| Strontium | 88-1 | 773746 | 789883 | 775852 | 779827 | 1.12 | cps |
| Sulfur | 34-1 | 209821 | 208804 | 208653 | 209092 | 0.30 | cps |
| Terbium | 159-1 | 10011051 | 8908015 | 10540450 | 9819839 | 8.48 | cps |
| Terbium | 159-2 | 6744698 | 6680387 | 6563425 | 6662837 | 1.38 | cps |
| Thallium | 203-1 | 1117 | 1173 | 1163 | 1151 | 2.63 | cps |
| Thallium | 205-1 | 2840 | 2820 | 2724 | 2795 | 2.23 | cps |
| Tin | 118-1 | 24558 | 23636 | 24070 | 24088 | 1.91 | cps |
| Titanium | 47-1 | 183202 | 184725 | 184752 | 184226 | 0.48 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-05DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-911-K1-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:09:43 | DataFile Name : | 105SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 18663 | 18463 | 18363 | 18496 | 0.83 | cps |
| Vanadium | 51-2 | 86335 | 84428 | 84931 | 85231 | 1.16 | cps |
| Yttrium | 89-1 | 11612110 | 10203536 | 12151543 | 11322396 | 8.88 | cps |
| Yttrium | 89-2 | 2683733 | 2668817 | 2668034 | 2673528 | 0.33 | cps |
| Zinc | 66-2 | 55881 | 55413 | 55747 | 55680 | 0.43 | cps |
| Zirconium | 90-1 | 24253 | 24581 | 23789 | 24208 | 1.64 | cps |
| Zirconium | 91-1 | 5191 | 5531 | 5491 | 5404 | 3.44 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-06 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:12:58 | DataFile Name : | 106SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 10477635 | 10440022 | 10382908 | 10433521 | 0.46 | cps |
| Antimony | 121-1 | 12395 | 13520 | 13029 | 12982 | 4.34 | cps |
| Arsenic | 75-2 | 20314 | 20768 | 20087 | 20390 | 1.70 | cps |
| Barium | 135-1 | 868869 | 890721 | 895196 | 884929 | 1.59 | cps |
| Barium | 137-1 | 1517930 | 1587525 | 1656271 | 1587242 | 4.36 | cps |
| Beryllium | 9-1 | 6641 | 6735 | 7072 | 6816 | 3.32 | cps |
| Bismuth | 209-1 | 5304209 | 5415199 | 5522422 | 5413943 | 2.02 | cps |
| Bismuth | 209-2 | 4704157 | 4680140 | 4667590 | 4683963 | 0.40 | cps |
| Bromine | 81-1 | 32676 | 33899 | 34798 | 33791 | 3.15 | cps |
| Bromine | 81-2 | 4737 | 4664 | 4891 | 4764 | 2.43 | cps |
| Cadmium | 108-1 | 827 | 953 | 920 | 900 | 7.30 | cps |
| Cadmium | 106-1 | 4244 | 4221 | 4074 | 4180 | 2.21 | cps |
| Cadmium | 111-1 | 11071 | 11163 | 11067 | 11101 | 0.49 | cps |
| Calcium | 43-1 | 995160 | 1019078 | 1019497 | 1011245 | 1.38 | cps |
| Calcium | 44-1 | 15148911 | 15487962 | 15345682 | 15327518 | 1.11 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 515450 | 517091 | 512101 | 514881 | 0.49 | cps |
| Cobalt | 59-2 | 155099 | 155102 | 155678 | 155293 | 0.21 | cps |
| Copper | 63-2 | 2163730 | 2153368 | 2175961 | 2164353 | 0.52 | cps |
| Dysprosium | 156-1 | 144452 | 145115 | 147055 | 145541 | 0.93 | cps |
| Dysprosium | 156-2 | 119030 | 119651 | 120596 | 119759 | 0.66 | cps |
| Erbium | 164-1 | 123161 | 125697 | 126201 | 125020 | 1.30 | cps |
| Erbium | 164-2 | 86579 | 87411 | 87465 | 87152 | 0.57 | cps |
| Gadolinium | 160-1 | 134256 | 136746 | 136878 | 135960 | 1.09 | cps |
| Gadolinium | 160-2 | 99691 | 98295 | 98507 | 98831 | 0.76 | cps |
| Holmium | 165-1 | 9469145 | 9781912 | 9691248 | 9647435 | 1.67 | cps |
| Holmium | 165-2 | 6794434 | 6726913 | 6801125 | 6774158 | 0.61 | cps |
| Indium | 115-1 | 8135380 | 8100439 | 8130625 | 8122148 | 0.23 | cps |
| Indium | 115-2 | 2625194 | 2604588 | 2598931 | 2609571 | 0.53 | cps |
| Iron | 56-2 | 481056993 | 488030273 | 491646979 | 486911415 | 1.11 | cps |
| Iron | 57-2 | 12254963 | 12474209 | 12012870 | 12247347 | 1.88 | cps |
| Iron | 54-2 | 26679965 | 26840010 | 26841485 | 26787153 | 0.35 | cps |
| Krypton | 83-1 | 327 | 433 | 417 | 392 | 14.63 | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-06 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:12:58 | DataFile Name : | 106SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2770654 | 2929703 | 3012361 | 2904239 | 4.23 | cps |
| Lead | 207-1 | 2453210 | 2601180 | 2524024 | 2526138 | 2.93 | cps |
| Lead | 208-1 | 11096347 | 11552471 | 11549848 | 11399556 | 2.30 | cps |
| Lithium | 6-1 | 1550251 | 1583326 | 1640378 | 1591318 | 2.87 | cps |
| Magnesium | 24-2 | 2653351 | 2646285 | 2651503 | 2650379 | 0.14 | cps |
| Manganese | 55-2 | 2362069 | 2404352 | 2358339 | 2374920 | 1.08 | cps |
| Molybdenum | 94-1 | 110359 | 114477 | 114447 | 113094 | 2.09 | cps |
| Molybdenum | 95-1 | 16403 | 16433 | 16529 | 16455 | 0.40 | cps |
| Molybdenum | 96-1 | 41068 | 43120 | 42308 | 42165 | 2.45 | cps |
| Molybdenum | 97-1 | 10140 | 10380 | 10744 | 10422 | 2.92 | cps |
| Molybdenum | 98-1 | 25582 | 26674 | 26234 | 26164 | 2.10 | cps |
| Neodymium | 150-1 | 227143 | 227317 | 232303 | 228921 | 1.28 | cps |
| Neodymium | 150-2 | 131063 | 130706 | 128288 | 130019 | 1.16 | cps |
| Nickel | 60-2 | 100165 | 98933 | 97296 | 98798 | 1.46 | cps |
| Phosphorus | 31-2 | 55216 | 54701 | 54055 | 54657 | 1.06 | cps |
| Potassium | 39-2 | 1038978 | 1030496 | 1036371 | 1035282 | 0.42 | cps |
| Rhodium | 103-1 | 7530717 | 7821736 | 7661586 | 7671346 | 1.90 | cps |
| Rhodium | 103-2 | 4407444 | 4450202 | 4437236 | 4431627 | 0.49 | cps |
| Scandium | 45-1 | 5421358 | 5600919 | 5638211 | 5553496 | 2.09 | cps |
| Scandium | 45-2 | 393450 | 393446 | 390629 | 392508 | 0.41 | cps |
| Selenium | 82-1 | 1083 | 899 | 899 | 961 | 11.07 | cps |
| Selenium | 77-2 | 330 | 360 | 403 | 364 | 10.12 | cps |
| Selenium | 78-2 | 577 | 583 | 620 | 593 | 3.93 | cps |
| Silicon | 28-1 | 34629698 | 34775585 | 34799415 | 34734899 | 0.26 | cps |
| Silver | 107-1 | 131378 | 137067 | 135859 | 134768 | 2.22 | cps |
| Silver | 109-1 | 126086 | 128087 | 129475 | 127883 | 1.33 | cps |
| Sodium | 23-2 | 1006861 | 1008191 | 1003408 | 1006153 | 0.25 | cps |
| Strontium | 86-1 | 414978 | 425745 | 428663 | 423128 | 1.70 | cps |
| Strontium | 88-1 | 3693050 | 3822687 | 3759747 | 3758495 | 1.72 | cps |
| Sulfur | 34-1 | 321024 | 317875 | 318583 | 319161 | 0.52 | cps |
| Terbium | 159-1 | 9977196 | 10117573 | 10129008 | 10074593 | 0.84 | cps |
| Terbium | 159-2 | 6654756 | 6838414 | 6746294 | 6746488 | 1.36 | cps |
| Thallium | 203-1 | 6695 | 7022 | 6888 | 6868 | 2.39 | cps |
| Thallium | 205-1 | 15963 | 16443 | 16687 | 16364 | 2.25 | cps |
| Tin | 118-1 | 89291 | 91777 | 92333 | 91134 | 1.78 | cps |
| Titanium | 47-1 | 683882 | 701127 | 694926 | 693312 | 1.26 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-06 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:12:58 | DataFile Name : | 106SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 179310 | 182911 | 181423 | 181215 | 1.00 | cps |
| Vanadium | 51-2 | 552764 | 554209 | 545927 | 550967 | 0.80 | cps |
| Yttrium | 89-1 | 12651721 | 13061635 | 13025167 | 12912841 | 1.76 | cps |
| Yttrium | 89-2 | 3075470 | 3058206 | 3032090 | 3055256 | 0.71 | cps |
| Zinc | 66-2 | 698642 | 699217 | 692768 | 696876 | 0.51 | cps |
| Zirconium | 90-1 | 274226 | 285384 | 285248 | 281619 | 2.27 | cps |
| Zirconium | 91-1 | 61706 | 64233 | 63815 | 63251 | 2.14 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-06DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:16:02 | DataFile Name : | 107SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2120350 | 2052505 | 2092201 | 2088352 | 1.63 | cps |
| Antimony | 121-1 | 2690 | 2907 | 2650 | 2749 | 5.02 | cps |
| Arsenic | 75-2 | 4104 | 4197 | 3977 | 4093 | 2.70 | cps |
| Barium | 135-1 | 177780 | 180769 | 177985 | 178845 | 0.93 | cps |
| Barium | 137-1 | 309161 | 310086 | 307642 | 308963 | 0.40 | cps |
| Beryllium | 9-1 | 1503 | 1493 | 1423 | 1473 | 2.96 | cps |
| Bismuth | 209-1 | 5645359 | 5682987 | 5714517 | 5680954 | 0.61 | cps |
| Bismuth | 209-2 | 4897313 | 4852651 | 4853254 | 4867739 | 0.53 | cps |
| Bromine | 81-1 | 14481 | 14594 | 14828 | 14634 | 1.21 | cps |
| Bromine | 81-2 | 1113 | 1053 | 1093 | 1087 | 2.81 | cps |
| Cadmium | 108-1 | 170 | 233 | 187 | 197 | 16.69 | cps |
| Cadmium | 106-1 | 3064 | 2580 | 2604 | 2749 | 9.92 | cps |
| Cadmium | 111-1 | 3762 | 3443 | 3239 | 3481 | 7.58 | cps |
| Calcium | 43-1 | 200892 | 204355 | 203700 | 202982 | 0.91 | cps |
| Calcium | 44-1 | 3088658 | 3072800 | 3076150 | 3079203 | 0.27 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 104660 | 102858 | 105170 | 104230 | 1.17 | cps |
| Cobalt | 59-2 | 31536 | 31212 | 30798 | 31182 | 1.19 | cps |
| Copper | 63-2 | 433175 | 436902 | 432955 | 434344 | 0.51 | cps |
| Dysprosium | 156-1 | 29013 | 28890 | 29424 | 29109 | 0.96 | cps |
| Dysprosium | 156-2 | 23276 | 24284 | 24385 | 23982 | 2.56 | cps |
| Erbium | 164-1 | 24735 | 25106 | 25253 | 25031 | 1.07 | cps |
| Erbium | 164-2 | 17421 | 17815 | 17204 | 17480 | 1.77 | cps |
| Gadolinium | 160-1 | 26448 | 27430 | 26816 | 26898 | 1.84 | cps |
| Gadolinium | 160-2 | 20138 | 19781 | 19841 | 19920 | 0.96 | cps |
| Holmium | 165-1 | 9712122 | 9836813 | 9888702 | 9812546 | 0.92 | cps |
| Holmium | 165-2 | 6780823 | 6828881 | 6761570 | 6790425 | 0.51 | cps |
| Indium | 115-1 | 8553058 | 8411714 | 8357181 | 8440651 | 1.20 | cps |
| Indium | 115-2 | 2650672 | 2700204 | 2681121 | 2677332 | 0.93 | cps |
| Iron | 56-2 | 99470012 | 99398582 | 98211735 | 99026776 | 0.71 | cps |
| Iron | 57-2 | 2517168 | 2481639 | 2402071 | 2466959 | 2.39 | cps |
| Iron | 54-2 | 5492517 | 5479753 | 5356741 | 5443003 | 1.38 | cps |
| Krypton | 83-1 | 233 | 233 | 267 | 244 | 7.87 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-06DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:16:02 | DataFile Name : | 107SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 527098 | 525920 | 524732 | 525917 | 0.22 | cps |
| Lead | 207-1 | 454129 | 452558 | 450252 | 452313 | 0.43 | cps |
| Lead | 208-1 | 2070887 | 2080298 | 2056806 | 2069330 | 0.57 | cps |
| Lithium | 6-1 | 1602900 | 1629149 | 1580508 | 1604186 | 1.52 | cps |
| Magnesium | 24-2 | 549651 | 551160 | 543706 | 548173 | 0.72 | cps |
| Manganese | 55-2 | 484912 | 482408 | 479540 | 482287 | 0.56 | cps |
| Molybdenum | 94-1 | 22314 | 22200 | 22704 | 22406 | 1.18 | cps |
| Molybdenum | 95-1 | 3347 | 3057 | 3210 | 3205 | 4.53 | cps |
| Molybdenum | 96-1 | 8583 | 8549 | 8613 | 8581 | 0.37 | cps |
| Molybdenum | 97-1 | 2000 | 2033 | 1963 | 1999 | 1.75 | cps |
| Molybdenum | 98-1 | 5341 | 5371 | 5328 | 5347 | 0.42 | cps |
| Neodymium | 150-1 | 46102 | 46470 | 45761 | 46111 | 0.77 | cps |
| Neodymium | 150-2 | 25380 | 25777 | 25473 | 25543 | 0.81 | cps |
| Nickel | 60-2 | 20194 | 20721 | 20527 | 20481 | 1.30 | cps |
| Phosphorus | 31-2 | 11117 | 10937 | 11208 | 11087 | 1.24 | cps |
| Potassium | 39-2 | 247326 | 245588 | 245134 | 246016 | 0.47 | cps |
| Rhodium | 103-1 | 7984484 | 7938884 | 7907093 | 7943487 | 0.49 | cps |
| Rhodium | 103-2 | 4539734 | 4605159 | 4561805 | 4568899 | 0.73 | cps |
| Scandium | 45-1 | 5344127 | 5280055 | 5232743 | 5285642 | 1.06 | cps |
| Scandium | 45-2 | 382288 | 382341 | 382451 | 382360 | 0.02 | cps |
| Selenium | 82-1 | 490 | 457 | 415 | 454 | 8.31 | cps |
| Selenium | 77-2 | 123 | 60 | 63 | 82 | 43.35 | cps |
| Selenium | 78-2 | 333 | 363 | 257 | 318 | 17.31 | cps |
| Silicon | 28-1 | 7083078 | 7189054 | 7203093 | 7158408 | 0.92 | cps |
| Silver | 107-1 | 27560 | 27523 | 27469 | 27517 | 0.16 | cps |
| Silver | 109-1 | 25626 | 26337 | 26357 | 26107 | 1.60 | cps |
| Sodium | 23-2 | 210311 | 209617 | 210339 | 210089 | 0.19 | cps |
| Strontium | 86-1 | 85597 | 85567 | 83874 | 85012 | 1.16 | cps |
| Strontium | 88-1 | 737971 | 741282 | 742703 | 740652 | 0.33 | cps |
| Sulfur | 34-1 | 181838 | 181190 | 184074 | 182367 | 0.83 | cps |
| Terbium | 159-1 | 9989289 | 10499066 | 10298884 | 10262413 | 2.50 | cps |
| Terbium | 159-2 | 6848704 | 6829026 | 6635078 | 6770936 | 1.74 | cps |
| Thallium | 203-1 | 1360 | 1480 | 1553 | 1465 | 6.67 | cps |
| Thallium | 205-1 | 3537 | 3477 | 3447 | 3487 | 1.31 | cps |
| Tin | 118-1 | 17855 | 17935 | 17811 | 17867 | 0.35 | cps |
| Titanium | 47-1 | 135743 | 140419 | 141074 | 139078 | 2.09 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-06DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:16:02 | DataFile Name : | 107SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 37035 | 36580 | 36774 | 36796 | 0.62 | cps |
| Vanadium | 51-2 | 111173 | 109715 | 111240 | 110709 | 0.78 | cps |
| Yttrium | 89-1 | 11819814 | 11847234 | 11902530 | 11856526 | 0.36 | cps |
| Yttrium | 89-2 | 2728792 | 2741067 | 2741605 | 2737155 | 0.26 | cps |
| Zinc | 66-2 | 146386 | 146464 | 143166 | 145339 | 1.30 | cps |
| Zirconium | 90-1 | 55936 | 56505 | 56177 | 56206 | 0.51 | cps |
| Zirconium | 91-1 | 12435 | 12726 | 12329 | 12497 | 1.64 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-07 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:19:16 | DataFile Name : | 108SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 16090184 | 16449223 | 16391741 | 16310383 | 1.18 | cps |
| Antimony | 121-1 | 12706 | 13236 | 13587 | 13176 | 3.37 | cps |
| Arsenic | 75-2 | 25939 | 25659 | 26217 | 25938 | 1.07 | cps |
| Barium | 135-1 | 1236790 | 1238476 | 1251354 | 1242206 | 0.64 | cps |
| Barium | 137-1 | 2239731 | 2276869 | 2318068 | 2278223 | 1.72 | cps |
| Beryllium | 9-1 | 10177 | 10424 | 10664 | 10421 | 2.34 | cps |
| Bismuth | 209-1 | 5485877 | 5632601 | 5554119 | 5557532 | 1.32 | cps |
| Bismuth | 209-2 | 4642907 | 4731462 | 4747384 | 4707251 | 1.20 | cps |
| Bromine | 81-1 | 44119 | 46296 | 48275 | 46230 | 4.50 | cps |
| Bromine | 81-2 | 6825 | 7312 | 7372 | 7170 | 4.18 | cps |
| Cadmium | 108-1 | 1093 | 1107 | 1130 | 1110 | 1.67 | cps |
| Cadmium | 106-1 | 4627 | 4724 | 4824 | 4725 | 2.08 | cps |
| Cadmium | 111-1 | 13161 | 13343 | 13063 | 13189 | 1.08 | cps |
| Calcium | 43-1 | 1307046 | 1376037 | 1381450 | 1354844 | 3.06 | cps |
| Calcium | 44-1 | 20987527 | 21980959 | 22160954 | 21709813 | 2.91 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 668260 | 674546 | 664974 | 669260 | 0.73 | cps |
| Cobalt | 59-2 | 255626 | 251383 | 255288 | 254099 | 0.93 | cps |
| Copper | 63-2 | 2887453 | 2839380 | 2888690 | 2871841 | 0.98 | cps |
| Dysprosium | 156-1 | 220842 | 226635 | 227133 | 224870 | 1.56 | cps |
| Dysprosium | 156-2 | 183588 | 184301 | 185472 | 184453 | 0.52 | cps |
| Erbium | 164-1 | 191055 | 196287 | 197852 | 195065 | 1.82 | cps |
| Erbium | 164-2 | 133007 | 135373 | 132357 | 133579 | 1.19 | cps |
| Gadolinium | 160-1 | 206468 | 213277 | 212326 | 210690 | 1.75 | cps |
| Gadolinium | 160-2 | 150817 | 151702 | 152849 | 151789 | 0.67 | cps |
| Holmium | 165-1 | 9671270 | 9841121 | 9884833 | 9799075 | 1.15 | cps |
| Holmium | 165-2 | 6955345 | 6804175 | 6961884 | 6907135 | 1.29 | cps |
| Indium | 115-1 | 8305902 | 8441424 | 8243775 | 8330367 | 1.21 | cps |
| Indium | 115-2 | 2712113 | 2621015 | 2705023 | 2679383 | 1.89 | cps |
| Iron | 56-2 | 397823861 | 401916287 | 399817034 | 399852394 | 0.51 | cps |
| Iron | 57-2 | 9997921 | 10006294 | 9853214 | 9952476 | 0.86 | cps |
| Iron | 54-2 | 22163333 | 21584417 | 21343322 | 21697024 | 1.94 | cps |
| Krypton | 83-1 | 497 | 460 | 453 | 470 | 4.96 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-07 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:19:16 | DataFile Name : | 108SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 3390264 | 3514219 | 3598590 | 3501024 | 2.99 | cps |
| Lead | 207-1 | 2993686 | 3007706 | 2992910 | 2998101 | 0.28 | cps |
| Lead | 208-1 | 13539456 | 13904975 | 13844286 | 13762906 | 1.42 | cps |
| Lithium | 6-1 | 1626642 | 1609211 | 1636885 | 1624246 | 0.86 | cps |
| Magnesium | 24-2 | 4347370 | 4351469 | 4384106 | 4360982 | 0.46 | cps |
| Manganese | 55-2 | 2863013 | 2810964 | 2789203 | 2821060 | 1.34 | cps |
| Molybdenum | 94-1 | 135430 | 139982 | 136482 | 137298 | 1.74 | cps |
| Molybdenum | 95-1 | 17621 | 17798 | 17300 | 17573 | 1.43 | cps |
| Molybdenum | 96-1 | 45551 | 46627 | 45795 | 45991 | 1.23 | cps |
| Molybdenum | 97-1 | 11061 | 11478 | 11338 | 11292 | 1.88 | cps |
| Molybdenum | 98-1 | 27569 | 28104 | 28241 | 27971 | 1.27 | cps |
| Neodymium | 150-1 | 351449 | 357554 | 363367 | 357457 | 1.67 | cps |
| Neodymium | 150-2 | 203851 | 204613 | 205494 | 204653 | 0.40 | cps |
| Nickel | 60-2 | 140784 | 141154 | 141292 | 141077 | 0.19 | cps |
| Phosphorus | 31-2 | 43889 | 44762 | 44327 | 44326 | 0.98 | cps |
| Potassium | 39-2 | 1341160 | 1323923 | 1361167 | 1342083 | 1.39 | cps |
| Rhodium | 103-1 | 7634443 | 7638005 | 7732853 | 7668434 | 0.73 | cps |
| Rhodium | 103-2 | 4349405 | 4359494 | 4360950 | 4356616 | 0.14 | cps |
| Scandium | 45-1 | 5646689 | 5905107 | 5710719 | 5754172 | 2.34 | cps |
| Scandium | 45-2 | 406086 | 410012 | 407603 | 407900 | 0.49 | cps |
| Selenium | 82-1 | 1281 | 1264 | 1304 | 1283 | 1.56 | cps |
| Selenium | 77-2 | 620 | 633 | 683 | 646 | 5.17 | cps |
| Selenium | 78-2 | 877 | 767 | 740 | 794 | 9.12 | cps |
| Silicon | 28-1 | 34861142 | 36486819 | 36637364 | 35995108 | 2.74 | cps |
| Silver | 107-1 | 126055 | 129976 | 129660 | 128564 | 1.69 | cps |
| Silver | 109-1 | 119498 | 122919 | 123141 | 121852 | 1.68 | cps |
| Sodium | 23-2 | 1604309 | 1553271 | 1605439 | 1587673 | 1.88 | cps |
| Strontium | 86-1 | 596131 | 612660 | 612939 | 607243 | 1.58 | cps |
| Strontium | 88-1 | 5313867 | 5450214 | 5334366 | 5366149 | 1.37 | cps |
| Sulfur | 34-1 | 368749 | 379748 | 377056 | 375184 | 1.53 | cps |
| Terbium | 159-1 | 10055572 | 10351722 | 10255246 | 10220847 | 1.48 | cps |
| Terbium | 159-2 | 6785632 | 6885526 | 6885601 | 6852253 | 0.84 | cps |
| Thallium | 203-1 | 10524 | 10754 | 10648 | 10642 | 1.08 | cps |
| Thallium | 205-1 | 24886 | 25781 | 25855 | 25507 | 2.11 | cps |
| Tin | 118-1 | 72736 | 75436 | 75490 | 74554 | 2.11 | cps |
| Titanium | 47-1 | 915133 | 940279 | 929839 | 928417 | 1.36 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-07 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:19:16 | DataFile Name : | 108SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 196838 | 205008 | 206461 | 202769 | 2.56 | cps |
| Vanadium | 51-2 | 790251 | 790705 | 776863 | 785940 | 1.00 | cps |
| Yttrium | 89-1 | 14239682 | 14687824 | 14172567 | 14366691 | 1.95 | cps |
| Yttrium | 89-2 | 3309860 | 3304578 | 3252901 | 3289113 | 0.96 | cps |
| Zinc | 66-2 | 565547 | 562162 | 566560 | 564756 | 0.41 | cps |
| Zirconium | 90-1 | 338346 | 349649 | 345036 | 344344 | 1.65 | cps |
| Zirconium | 91-1 | 75560 | 77614 | 77369 | 76848 | 1.46 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-07DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:22:18 | DataFile Name : | 109SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3221883 | 3148250 | 3151709 | 3173947 | 1.31 | cps |
| Antimony | 121-1 | 2574 | 2594 | 2547 | 2571 | 0.91 | cps |
| Arsenic | 75-2 | 5014 | 5051 | 4941 | 5002 | 1.12 | cps |
| Barium | 135-1 | 241010 | 246021 | 244424 | 243819 | 1.05 | cps |
| Barium | 137-1 | 416852 | 424697 | 420907 | 420819 | 0.93 | cps |
| Beryllium | 9-1 | 1967 | 2080 | 1913 | 1987 | 4.28 | cps |
| Bismuth | 209-1 | 5769544 | 5696473 | 5710854 | 5725624 | 0.68 | cps |
| Bismuth | 209-2 | 4879540 | 4555892 | 4947866 | 4794433 | 4.37 | cps |
| Bromine | 81-1 | 16760 | 16459 | 17003 | 16741 | 1.63 | cps |
| Bromine | 81-2 | 1587 | 1503 | 1643 | 1578 | 4.46 | cps |
| Cadmium | 108-1 | 230 | 233 | 190 | 218 | 11.07 | cps |
| Cadmium | 106-1 | 2670 | 2810 | 2897 | 2793 | 4.10 | cps |
| Cadmium | 111-1 | 3752 | 3921 | 4072 | 3915 | 4.09 | cps |
| Calcium | 43-1 | 271291 | 273123 | 276791 | 273735 | 1.02 | cps |
| Calcium | 44-1 | 4147442 | 4162814 | 4131016 | 4147091 | 0.38 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 130446 | 130254 | 129369 | 130023 | 0.44 | cps |
| Cobalt | 59-2 | 50301 | 50207 | 50531 | 50346 | 0.33 | cps |
| Copper | 63-2 | 554165 | 554337 | 553869 | 554124 | 0.04 | cps |
| Dysprosium | 156-1 | 42554 | 43430 | 43828 | 43271 | 1.51 | cps |
| Dysprosium | 156-2 | 34676 | 35064 | 35298 | 35012 | 0.90 | cps |
| Erbium | 164-1 | 37380 | 37848 | 38098 | 37775 | 0.97 | cps |
| Erbium | 164-2 | 25517 | 25346 | 24919 | 25261 | 1.22 | cps |
| Gadolinium | 160-1 | 40930 | 41127 | 41016 | 41024 | 0.24 | cps |
| Gadolinium | 160-2 | 29745 | 29919 | 29127 | 29597 | 1.41 | cps |
| Holmium | 165-1 | 9917926 | 9724074 | 9723827 | 9788609 | 1.14 | cps |
| Holmium | 165-2 | 6715971 | 6415062 | 6877911 | 6669648 | 3.52 | cps |
| Indium | 115-1 | 8366249 | 8378586 | 8394352 | 8379729 | 0.17 | cps |
| Indium | 115-2 | 2692316 | 2553944 | 2874531 | 2706930 | 5.94 | cps |
| Iron | 56-2 | 78765754 | 77666632 | 77644332 | 78025573 | 0.82 | cps |
| Iron | 57-2 | 1977645 | 1897628 | 1926173 | 1933815 | 2.10 | cps |
| Iron | 54-2 | 4254985 | 4213864 | 4212723 | 4227191 | 0.57 | cps |
| Krypton | 83-1 | 267 | 220 | 243 | 243 | 9.59 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-07DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:22:18 | DataFile Name : | 109SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 610081 | 613212 | 620750 | 614681 | 0.89 | cps |
| Lead | 207-1 | 517437 | 522994 | 523929 | 521453 | 0.67 | cps |
| Lead | 208-1 | 2398302 | 2410495 | 2423084 | 2410627 | 0.51 | cps |
| Lithium | 6-1 | 1595518 | 1585715 | 1639328 | 1606854 | 1.78 | cps |
| Magnesium | 24-2 | 876941 | 871256 | 877288 | 875162 | 0.39 | cps |
| Manganese | 55-2 | 560786 | 556370 | 553338 | 556831 | 0.67 | cps |
| Molybdenum | 94-1 | 26207 | 26668 | 26170 | 26348 | 1.05 | cps |
| Molybdenum | 95-1 | 3464 | 3404 | 3367 | 3412 | 1.43 | cps |
| Molybdenum | 96-1 | 8996 | 9023 | 9320 | 9113 | 1.97 | cps |
| Molybdenum | 97-1 | 2214 | 2120 | 2020 | 2118 | 4.57 | cps |
| Molybdenum | 98-1 | 5614 | 5408 | 5684 | 5569 | 2.58 | cps |
| Neodymium | 150-1 | 68198 | 70140 | 69781 | 69373 | 1.49 | cps |
| Neodymium | 150-2 | 39295 | 40014 | 38426 | 39245 | 2.03 | cps |
| Nickel | 60-2 | 28657 | 27999 | 28050 | 28235 | 1.30 | cps |
| Phosphorus | 31-2 | 9009 | 8739 | 8929 | 8893 | 1.56 | cps |
| Potassium | 39-2 | 310876 | 308235 | 308206 | 309105 | 0.50 | cps |
| Rhodium | 103-1 | 7933744 | 7779944 | 7914321 | 7876003 | 1.06 | cps |
| Rhodium | 103-2 | 4476747 | 4345528 | 4649635 | 4490637 | 3.40 | cps |
| Scandium | 45-1 | 5363536 | 5296647 | 5354497 | 5338227 | 0.68 | cps |
| Scandium | 45-2 | 379547 | 360726 | 388043 | 376105 | 3.72 | cps |
| Selenium | 82-1 | 557 | 594 | 496 | 549 | 8.96 | cps |
| Selenium | 77-2 | 90 | 103 | 130 | 108 | 18.90 | cps |
| Selenium | 78-2 | 300 | 340 | 317 | 319 | 6.30 | cps |
| Silicon | 28-1 | 7084238 | 7274126 | 7257794 | 7205386 | 1.46 | cps |
| Silver | 107-1 | 25479 | 25643 | 26003 | 25708 | 1.04 | cps |
| Silver | 109-1 | 24104 | 23676 | 24404 | 24061 | 1.52 | cps |
| Sodium | 23-2 | 331264 | 330029 | 330102 | 330465 | 0.21 | cps |
| Strontium | 86-1 | 115449 | 119333 | 118258 | 117680 | 1.70 | cps |
| Strontium | 88-1 | 1008074 | 1028825 | 1023051 | 1019984 | 1.05 | cps |
| Sulfur | 34-1 | 184081 | 183990 | 184476 | 184182 | 0.14 | cps |
| Terbium | 159-1 | 10255678 | 10137984 | 10120221 | 10171294 | 0.72 | cps |
| Terbium | 159-2 | 6738427 | 6246526 | 7065935 | 6683629 | 6.17 | cps |
| Thallium | 203-1 | 2027 | 2174 | 2330 | 2177 | 6.97 | cps |
| Thallium | 205-1 | 4968 | 5048 | 4988 | 5001 | 0.83 | cps |
| Tin | 118-1 | 14517 | 14317 | 14674 | 14503 | 1.23 | cps |
| Titanium | 47-1 | 176778 | 177282 | 179647 | 177902 | 0.86 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-07DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-KJ-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:22:18 | DataFile Name : | 109SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 39051 | 39629 | 38873 | 39184 | 1.01 | cps |
| Vanadium | 51-2 | 151516 | 150444 | 149091 | 150351 | 0.81 | cps |
| Yttrium | 89-1 | 11805680 | 12139969 | 11930944 | 11958865 | 1.41 | cps |
| Yttrium | 89-2 | 2692911 | 2643646 | 2840623 | 2725727 | 3.76 | cps |
| Zinc | 66-2 | 113907 | 113719 | 113242 | 113623 | 0.30 | cps |
| Zirconium | 90-1 | 65348 | 66694 | 66640 | 66227 | 1.15 | cps |
| Zirconium | 91-1 | 14868 | 15371 | 15178 | 15139 | 1.68 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-08 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-J-SO-0.5-1.0-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:25:33 | DataFile Name : | 110SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 15901766 | 15876477 | 15792821 | 15857021 | 0.36 | cps |
| Antimony | 121-1 | 7776 | 7912 | 8172 | 7953 | 2.53 | cps |
| Arsenic | 75-2 | 25485 | 26120 | 25629 | 25745 | 1.29 | cps |
| Barium | 135-1 | 1136236 | 1151455 | 1165658 | 1151116 | 1.28 | cps |
| Barium | 137-1 | 2081085 | 2113103 | 2149950 | 2114713 | 1.63 | cps |
| Beryllium | 9-1 | 11491 | 12038 | 11911 | 11813 | 2.42 | cps |
| Bismuth | 209-1 | 5470684 | 5323814 | 5514327 | 5436275 | 1.84 | cps |
| Bismuth | 209-2 | 4696040 | 4632044 | 4652418 | 4660168 | 0.70 | cps |
| Bromine | 81-1 | 27275 | 29610 | 30231 | 29039 | 5.37 | cps |
| Bromine | 81-2 | 4211 | 4051 | 4177 | 4146 | 2.04 | cps |
| Cadmium | 108-1 | 883 | 870 | 887 | 880 | 1.00 | cps |
| Cadmium | 106-1 | 4477 | 4257 | 4277 | 4337 | 2.81 | cps |
| Cadmium | 111-1 | 11399 | 11334 | 11576 | 11436 | 1.10 | cps |
| Calcium | 43-1 | 831151 | 846743 | 855248 | 844381 | 1.45 | cps |
| Calcium | 44-1 | 12427522 | 12855766 | 13056387 | 12779892 | 2.51 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 564396 | 562977 | 562476 | 563283 | 0.18 | cps |
| Cobalt | 59-2 | 519139 | 518530 | 520683 | 519451 | 0.21 | cps |
| Copper | 63-2 | 2831435 | 2799758 | 2830529 | 2820574 | 0.64 | cps |
| Dysprosium | 156-1 | 213081 | 217157 | 217906 | 216048 | 1.20 | cps |
| Dysprosium | 156-2 | 177713 | 178393 | 177690 | 177932 | 0.22 | cps |
| Erbium | 164-1 | 188825 | 189403 | 192365 | 190198 | 1.00 | cps |
| Erbium | 164-2 | 131889 | 132659 | 132202 | 132250 | 0.29 | cps |
| Gadolinium | 160-1 | 201984 | 204806 | 204684 | 203825 | 0.78 | cps |
| Gadolinium | 160-2 | 146871 | 148125 | 148531 | 147842 | 0.59 | cps |
| Holmium | 165-1 | 9682345 | 9533635 | 9631314 | 9615765 | 0.79 | cps |
| Holmium | 165-2 | 6875090 | 6728953 | 6859172 | 6821072 | 1.18 | cps |
| Indium | 115-1 | 8084332 | 8109044 | 8138679 | 8110685 | 0.34 | cps |
| Indium | 115-2 | 2636720 | 2677783 | 2620377 | 2644960 | 1.12 | cps |
| Iron | 56-2 | 415560727 | 418698047 | 410047247 | 414768674 | 1.06 | cps |
| Iron | 57-2 | 10351631 | 10214713 | 10427411 | 10331252 | 1.04 | cps |
| Iron | 54-2 | 22675296 | 22701523 | 22876883 | 22751234 | 0.48 | cps |
| Krypton | 83-1 | 543 | 433 | 473 | 483 | 11.52 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-08 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-J-SO-0.5-1.0-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:25:33 | DataFile Name : | 110SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2812996 | 2819493 | 2863130 | 2831873 | 0.96 | cps |
| Lead | 207-1 | 2430194 | 2476649 | 2435381 | 2447408 | 1.04 | cps |
| Lead | 208-1 | 11017745 | 11131442 | 11178660 | 11109282 | 0.74 | cps |
| Lithium | 6-1 | 1622517 | 1607400 | 1598025 | 1609314 | 0.77 | cps |
| Magnesium | 24-2 | 3768200 | 3706597 | 3704176 | 3726324 | 0.97 | cps |
| Manganese | 55-2 | 2229849 | 2241967 | 2240760 | 2237525 | 0.30 | cps |
| Molybdenum | 94-1 | 103993 | 107303 | 106460 | 105919 | 1.62 | cps |
| Molybdenum | 95-1 | 15312 | 16082 | 15685 | 15693 | 2.46 | cps |
| Molybdenum | 96-1 | 38748 | 40245 | 40042 | 39678 | 2.05 | cps |
| Molybdenum | 97-1 | 9707 | 10374 | 9820 | 9967 | 3.58 | cps |
| Molybdenum | 98-1 | 25355 | 25519 | 25616 | 25497 | 0.52 | cps |
| Neodymium | 150-1 | 332135 | 338708 | 341087 | 337310 | 1.37 | cps |
| Neodymium | 150-2 | 193825 | 192045 | 192329 | 192733 | 0.50 | cps |
| Nickel | 60-2 | 265486 | 264483 | 264361 | 264777 | 0.23 | cps |
| Phosphorus | 31-2 | 34519 | 34298 | 34502 | 34440 | 0.36 | cps |
| Potassium | 39-2 | 1208847 | 1179576 | 1264975 | 1217799 | 3.56 | cps |
| Rhodium | 103-1 | 7713764 | 7518927 | 7652848 | 7628513 | 1.31 | cps |
| Rhodium | 103-2 | 4369968 | 4358932 | 4246083 | 4324994 | 1.59 | cps |
| Scandium | 45-1 | 5549670 | 5680042 | 5683195 | 5637636 | 1.35 | cps |
| Scandium | 45-2 | 401057 | 402966 | 400665 | 401563 | 0.31 | cps |
| Selenium | 82-1 | 1063 | 1069 | 1071 | 1068 | 0.40 | cps |
| Selenium | 77-2 | 513 | 517 | 580 | 537 | 7.00 | cps |
| Selenium | 78-2 | 803 | 733 | 787 | 774 | 4.72 | cps |
| Silicon | 28-1 | 36160280 | 37221514 | 37136606 | 36839467 | 1.60 | cps |
| Silver | 107-1 | 141456 | 147086 | 147484 | 145342 | 2.32 | cps |
| Silver | 109-1 | 134844 | 138733 | 140729 | 138102 | 2.17 | cps |
| Sodium | 23-2 | 1258791 | 1215584 | 1231975 | 1235450 | 1.77 | cps |
| Strontium | 86-1 | 448967 | 460680 | 460919 | 456856 | 1.50 | cps |
| Strontium | 88-1 | 3921492 | 4115713 | 4125643 | 4054283 | 2.84 | cps |
| Sulfur | 34-1 | 230097 | 231704 | 228859 | 230220 | 0.62 | cps |
| Terbium | 159-1 | 9923062 | 9921015 | 10152930 | 9999003 | 1.33 | cps |
| Terbium | 159-2 | 6719312 | 6820163 | 6515037 | 6684837 | 2.33 | cps |
| Thallium | 203-1 | 9657 | 9744 | 9757 | 9719 | 0.56 | cps |
| Thallium | 205-1 | 22960 | 22385 | 23153 | 22833 | 1.75 | cps |
| Tin | 118-1 | 159934 | 160564 | 164466 | 161654 | 1.52 | cps |
| Titanium | 47-1 | 717918 | 746010 | 738553 | 734160 | 1.98 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-08 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-J-SO-0.5-1.0-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:25:33 | DataFile Name : | 110SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 141233 | 141071 | 145559 | 142621 | 1.78 | cps |
| Vanadium | 51-2 | 787048 | 787011 | 779876 | 784645 | 0.53 | cps |
| Yttrium | 89-1 | 13973243 | 14130361 | 14334218 | 14145941 | 1.28 | cps |
| Yttrium | 89-2 | 3310740 | 3262324 | 3201387 | 3258150 | 1.68 | cps |
| Zinc | 66-2 | 475650 | 476771 | 478647 | 477023 | 0.32 | cps |
| Zirconium | 90-1 | 255836 | 264523 | 265236 | 261865 | 2.00 | cps |
| Zirconium | 91-1 | 58034 | 59048 | 58683 | 58589 | 0.88 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-08DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-J-SO-0.5-1.0-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:28:35 | DataFile Name : | 111SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3189199 | 3278016 | 3197888 | 3221701 | 1.52 | cps |
| Antimony | 121-1 | 1767 | 1580 | 1773 | 1707 | 6.43 | cps |
| Arsenic | 75-2 | 5178 | 4931 | 5021 | 5043 | 2.48 | cps |
| Barium | 135-1 | 229456 | 231528 | 230272 | 230419 | 0.45 | cps |
| Barium | 137-1 | 396854 | 399482 | 398231 | 398189 | 0.33 | cps |
| Beryllium | 9-1 | 2457 | 2537 | 2407 | 2467 | 2.66 | cps |
| Bismuth | 209-1 | 5802594 | 5651498 | 5619219 | 5691104 | 1.72 | cps |
| Bismuth | 209-2 | 4830153 | 4917022 | 4964411 | 4903862 | 1.39 | cps |
| Bromine | 81-1 | 13333 | 13293 | 12866 | 13164 | 1.97 | cps |
| Bromine | 81-2 | 990 | 860 | 1033 | 961 | 9.39 | cps |
| Cadmium | 108-1 | 180 | 163 | 223 | 189 | 16.40 | cps |
| Cadmium | 106-1 | 2804 | 2737 | 2797 | 2779 | 1.32 | cps |
| Cadmium | 111-1 | 3573 | 3668 | 3598 | 3613 | 1.36 | cps |
| Calcium | 43-1 | 167093 | 170601 | 168662 | 168785 | 1.04 | cps |
| Calcium | 44-1 | 2562819 | 2625280 | 2564818 | 2584306 | 1.37 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 112878 | 113295 | 112305 | 112826 | 0.44 | cps |
| Cobalt | 59-2 | 105394 | 104037 | 104688 | 104707 | 0.65 | cps |
| Copper | 63-2 | 560819 | 553659 | 560630 | 558369 | 0.73 | cps |
| Dysprosium | 156-1 | 42909 | 42775 | 42274 | 42652 | 0.79 | cps |
| Dysprosium | 156-2 | 34743 | 35191 | 36033 | 35322 | 1.85 | cps |
| Erbium | 164-1 | 37918 | 37056 | 37841 | 37605 | 1.27 | cps |
| Erbium | 164-2 | 25740 | 25343 | 25433 | 25506 | 0.82 | cps |
| Gadolinium | 160-1 | 40582 | 40398 | 40298 | 40426 | 0.36 | cps |
| Gadolinium | 160-2 | 29481 | 30112 | 28993 | 29529 | 1.90 | cps |
| Holmium | 165-1 | 9765422 | 9775297 | 9952049 | 9830922 | 1.07 | cps |
| Holmium | 165-2 | 6858581 | 6902865 | 6721919 | 6827788 | 1.38 | cps |
| Indium | 115-1 | 8463297 | 8485089 | 8404405 | 8450931 | 0.49 | cps |
| Indium | 115-2 | 2732097 | 2695141 | 2793974 | 2740404 | 1.82 | cps |
| Iron | 56-2 | 82540284 | 84253717 | 84194854 | 83662952 | 1.16 | cps |
| Iron | 57-2 | 2099654 | 2116767 | 2084979 | 2100467 | 0.76 | cps |
| Iron | 54-2 | 4591162 | 4505847 | 4537718 | 4544909 | 0.95 | cps |
| Krypton | 83-1 | 233 | 227 | 217 | 226 | 3.72 | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-08DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-J-SO-0.5-1.0-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:28:35 | DataFile Name : | 111SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 517711 | 522170 | 516912 | 518931 | 0.55 | cps |
| Lead | 207-1 | 440799 | 438706 | 439465 | 439656 | 0.24 | cps |
| Lead | 208-1 | 2041230 | 2019582 | 2032157 | 2030990 | 0.54 | cps |
| Lithium | 6-1 | 1604346 | 1628892 | 1604400 | 1612546 | 0.88 | cps |
| Magnesium | 24-2 | 781920 | 778854 | 777678 | 779484 | 0.28 | cps |
| Manganese | 55-2 | 456852 | 456528 | 458055 | 457145 | 0.18 | cps |
| Molybdenum | 94-1 | 20999 | 21366 | 20838 | 21067 | 1.28 | cps |
| Molybdenum | 95-1 | 3094 | 3204 | 3254 | 3184 | 2.57 | cps |
| Molybdenum | 96-1 | 7916 | 7859 | 8309 | 8028 | 3.05 | cps |
| Molybdenum | 97-1 | 1863 | 1937 | 2130 | 1977 | 6.97 | cps |
| Molybdenum | 98-1 | 5138 | 5084 | 5011 | 5078 | 1.25 | cps |
| Neodymium | 150-1 | 66191 | 66653 | 66757 | 66534 | 0.45 | cps |
| Neodymium | 150-2 | 38228 | 38309 | 38974 | 38504 | 1.06 | cps |
| Nickel | 60-2 | 53532 | 53950 | 53321 | 53601 | 0.60 | cps |
| Phosphorus | 31-2 | 7018 | 7135 | 6988 | 7047 | 1.10 | cps |
| Potassium | 39-2 | 285852 | 287503 | 285492 | 286282 | 0.37 | cps |
| Rhodium | 103-1 | 7912023 | 8022662 | 7891407 | 7942031 | 0.89 | cps |
| Rhodium | 103-2 | 4530347 | 4597930 | 4596544 | 4574941 | 0.84 | cps |
| Scandium | 45-1 | 5328487 | 5435120 | 5469734 | 5411114 | 1.36 | cps |
| Scandium | 45-2 | 379857 | 379599 | 385878 | 381778 | 0.93 | cps |
| Selenium | 82-1 | 475 | 513 | 534 | 507 | 5.85 | cps |
| Selenium | 77-2 | 77 | 103 | 137 | 106 | 28.48 | cps |
| Selenium | 78-2 | 313 | 350 | 270 | 311 | 12.87 | cps |
| Silicon | 28-1 | 7623397 | 7515715 | 7509902 | 7549671 | 0.85 | cps |
| Silver | 107-1 | 29179 | 30258 | 30342 | 29926 | 2.17 | cps |
| Silver | 109-1 | 27503 | 28632 | 28538 | 28224 | 2.22 | cps |
| Sodium | 23-2 | 267576 | 268863 | 269784 | 268741 | 0.41 | cps |
| Strontium | 86-1 | 90436 | 91512 | 91613 | 91187 | 0.71 | cps |
| Strontium | 88-1 | 793763 | 798128 | 796217 | 796036 | 0.27 | cps |
| Sulfur | 34-1 | 155229 | 153051 | 154104 | 154128 | 0.71 | cps |
| Terbium | 159-1 | 10072790 | 10177979 | 10118005 | 10122925 | 0.52 | cps |
| Terbium | 159-2 | 6750406 | 6929708 | 6745374 | 6808496 | 1.54 | cps |
| Thallium | 203-1 | 1917 | 1960 | 2020 | 1966 | 2.64 | cps |
| Thallium | 205-1 | 4791 | 4758 | 4808 | 4785 | 0.53 | cps |
| Tin | 118-1 | 29721 | 29337 | 30663 | 29907 | 2.28 | cps |
| Titanium | 47-1 | 145667 | 148922 | 150085 | 148225 | 1.55 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-08DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-905-J-SO-0.5-1.0-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:28:35 | DataFile Name : | 111SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 28343 | 28133 | 28467 | 28315 | 0.60 | cps |
| Vanadium | 51-2 | 155371 | 156266 | 155634 | 155757 | 0.30 | cps |
| Yttrium | 89-1 | 11866323 | 12019106 | 11910289 | 11931906 | 0.66 | cps |
| Yttrium | 89-2 | 2765618 | 2796054 | 2756619 | 2772764 | 0.75 | cps |
| Zinc | 66-2 | 98479 | 97284 | 98392 | 98051 | 0.68 | cps |
| Zirconium | 90-1 | 51985 | 53618 | 51844 | 52482 | 1.88 | cps |
| Zirconium | 91-1 | 11408 | 11812 | 11915 | 11711 | 2.29 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV08 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV08 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:31:48 | DataFile Name : | 112CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5814532 | 5773024 | 5837220 | 5808258 | 0.56 | cps |
| Antimony | 121-1 | 3349667 | 3463791 | 3440383 | 3417947 | 1.76 | cps |
| Arsenic | 75-2 | 163634 | 161835 | 162664 | 162711 | 0.55 | cps |
| Barium | 135-1 | 4047033 | 4045780 | 4073123 | 4055312 | 0.38 | cps |
| Barium | 137-1 | 6878532 | 7142248 | 6838365 | 6953048 | 2.37 | cps |
| Beryllium | 9-1 | 612854 | 626377 | 628588 | 622606 | 1.37 | cps |
| Bismuth | 209-1 | 5466813 | 5323626 | 5414262 | 5401567 | 1.34 | cps |
| Bismuth | 209-2 | 4540429 | 4585924 | 4509190 | 4545181 | 0.85 | cps |
| Bromine | 81-1 | 8756 | 8649 | 8426 | 8610 | 1.96 | cps |
| Bromine | 81-2 | 113 | 150 | 107 | 123 | 18.92 | cps |
| Cadmium | 108-1 | 58313 | 57995 | 58507 | 58272 | 0.44 | cps |
| Cadmium | 106-1 | 85121 | 84662 | 85386 | 85056 | 0.43 | cps |
| Cadmium | 111-1 | 782893 | 785975 | 789956 | 786275 | 0.45 | cps |
| Calcium | 43-1 | 4801689 | 5055990 | 4911860 | 4923180 | 2.59 | cps |
| Calcium | 44-1 | 77699244 | 81252092 | 77149444 | 78700260 | 2.83 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1167225 | 1163754 | 1155181 | 1162053 | 0.53 | cps |
| Cobalt | 59-2 | 1823701 | 1742494 | 1760142 | 1775446 | 2.41 | cps |
| Copper | 63-2 | 12347274 | 11946051 | 11888848 | 12060724 | 2.07 | cps |
| Dysprosium | 156-1 | 337 | 357 | 337 | 343 | 3.36 | cps |
| Dysprosium | 156-2 | 340 | 323 | 350 | 338 | 3.99 | cps |
| Erbium | 164-1 | 257 | 193 | 220 | 223 | 14.24 | cps |
| Erbium | 164-2 | 147 | 153 | 177 | 159 | 9.91 | cps |
| Gadolinium | 160-1 | 207 | 223 | 163 | 198 | 15.66 | cps |
| Gadolinium | 160-2 | 353 | 403 | 470 | 409 | 14.31 | cps |
| Holmium | 165-1 | 9836069 | 9797753 | 9728669 | 9787497 | 0.56 | cps |
| Holmium | 165-2 | 6742221 | 6944632 | 6727123 | 6804659 | 1.78 | cps |
| Indium | 115-1 | 8057230 | 8118979 | 8209358 | 8128522 | 0.94 | cps |
| Indium | 115-2 | 2593558 | 2541602 | 2547692 | 2560951 | 1.11 | cps |
| Iron | 56-2 | 245645063 | 250451383 | 245548796 | 247215081 | 1.13 | cps |
| Iron | 57-2 | 6390521 | 6082814 | 6161002 | 6211446 | 2.57 | cps |
| Iron | 54-2 | 13504321 | 13364620 | 13512871 | 13460604 | 0.62 | cps |
| Krypton | 83-1 | 227 | 230 | 247 | 234 | 4.57 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV08 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV08 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:31:48 | DataFile Name : | 112CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10286663 | 10342248 | 10325245 | 10318052 | 0.28 | cps |
| Lead | 207-1 | 9035439 | 9183467 | 9149047 | 9122651 | 0.85 | cps |
| Lead | 208-1 | 40923060 | 41938798 | 41702945 | 41521601 | 1.28 | cps |
| Lithium | 6-1 | 1625549 | 1640442 | 1650567 | 1638853 | 0.77 | cps |
| Magnesium | 24-2 | 51865846 | 51598066 | 51276911 | 51580274 | 0.57 | cps |
| Manganese | 55-2 | 8167662 | 8249071 | 8065900 | 8160877 | 1.12 | cps |
| Molybdenum | 94-1 | 12259748 | 12258051 | 12610943 | 12376247 | 1.64 | cps |
| Molybdenum | 95-1 | 18200947 | 18018707 | 18007251 | 18075635 | 0.60 | cps |
| Molybdenum | 96-1 | 19528770 | 19537320 | 20125625 | 19730572 | 1.73 | cps |
| Molybdenum | 97-1 | 11293129 | 11344614 | 11648745 | 11428830 | 1.68 | cps |
| Molybdenum | 98-1 | 29059156 | 29133620 | 29333701 | 29175492 | 0.49 | cps |
| Neodymium | 150-1 | 320 | 313 | 327 | 320 | 2.08 | cps |
| Neodymium | 150-2 | 97 | 123 | 137 | 119 | 17.13 | cps |
| Nickel | 60-2 | 440881 | 440315 | 436531 | 439242 | 0.54 | cps |
| Phosphorus | 31-2 | 67207 | 67066 | 66065 | 66779 | 0.93 | cps |
| Potassium | 39-2 | 30106961 | 31360927 | 30320162 | 30596017 | 2.19 | cps |
| Rhodium | 103-1 | 7473837 | 7348828 | 7503505 | 7442057 | 1.10 | cps |
| Rhodium | 103-2 | 4151603 | 4097459 | 4150235 | 4133099 | 0.75 | cps |
| Scandium | 45-1 | 5325656 | 5249630 | 5226759 | 5267349 | 0.98 | cps |
| Scandium | 45-2 | 363728 | 362439 | 358430 | 361532 | 0.76 | cps |
| Selenium | 82-1 | 52620 | 52853 | 52020 | 52498 | 0.82 | cps |
| Selenium | 77-2 | 4397 | 4254 | 4234 | 4295 | 2.07 | cps |
| Selenium | 78-2 | 14888 | 14667 | 14657 | 14737 | 0.88 | cps |
| Silicon | 28-1 | 32263839 | 33013433 | 33050055 | 32775776 | 1.35 | cps |
| Silver | 107-1 | 3958998 | 3921890 | 3941605 | 3940831 | 0.47 | cps |
| Silver | 109-1 | 3723609 | 3760643 | 3762084 | 3748779 | 0.58 | cps |
| Sodium | 23-2 | 81642355 | 81756817 | 80454412 | 81284528 | 0.89 | cps |
| Strontium | 86-1 | 26593490 | 26247622 | 27474464 | 26771859 | 2.36 | cps |
| Strontium | 88-1 | 230254697 | 231519057 | 232069557 | 231281103 | 0.40 | cps |
| Sulfur | 34-1 | 470785 | 467062 | 461444 | 466431 | 1.01 | cps |
| Terbium | 159-1 | 10142265 | 10289176 | 10210914 | 10214118 | 0.72 | cps |
| Terbium | 159-2 | 6720664 | 6685983 | 6714186 | 6706944 | 0.27 | cps |
| Thallium | 203-1 | 2670238 | 2607206 | 2621595 | 2633013 | 1.25 | cps |
| Thallium | 205-1 | 6287988 | 6179043 | 6333732 | 6266921 | 1.27 | cps |
| Tin | 118-1 | 2639446 | 2708415 | 2713783 | 2687215 | 1.54 | cps |
| Titanium | 47-1 | 5078930 | 5099715 | 5007552 | 5062066 | 0.95 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV08 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV08 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:31:48 | DataFile Name : | 112CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7934705 | 8095291 | 8053392 | 8027796 | 1.04 | cps |
| Vanadium | 51-2 | 1062075 | 1042580 | 1045378 | 1050011 | 1.00 | cps |
| Yttrium | 89-1 | 11653011 | 11158491 | 11144879 | 11318794 | 2.56 | cps |
| Yttrium | 89-2 | 2535825 | 2546128 | 2539852 | 2540601 | 0.20 | cps |
| Zinc | 66-2 | 2066312 | 2034981 | 2053469 | 2051587 | 0.77 | cps |
| Zirconium | 90-1 | 5960782 | 5949339 | 6024970 | 5978364 | 0.68 | cps |
| Zirconium | 91-1 | 1319523 | 1323689 | 1332648 | 1325286 | 0.51 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB08 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB08 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:50:58 | DataFile Name : | 113CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 260 | 207 | 197 | 221 | 15.40 | cps |
| Antimony | 121-1 | 317 | 440 | 463 | 407 | 19.38 | cps |
| Arsenic | 75-2 | 3 | 0 | 10 | 4 | 114.60 | cps |
| Barium | 135-1 | 70 | 67 | 73 | 70 | 4.76 | cps |
| Barium | 137-1 | 123 | 120 | 93 | 112 | 14.65 | cps |
| Beryllium | 9-1 | 63 | 33 | 77 | 58 | 38.42 | cps |
| Bismuth | 209-1 | 5498946 | 5574869 | 5559759 | 5544525 | 0.72 | cps |
| Bismuth | 209-2 | 4750401 | 4735188 | 4687445 | 4724345 | 0.70 | cps |
| Bromine | 81-1 | 7605 | 7649 | 7649 | 7634 | 0.33 | cps |
| Bromine | 81-2 | 97 | 73 | 53 | 74 | 29.14 | cps |
| Cadmium | 108-1 | 0 | 13 | 7 | 7 | 99.98 | cps |
| Cadmium | 106-1 | 2124 | 2067 | 2047 | 2079 | 1.91 | cps |
| Cadmium | 111-1 | 1503 | 1447 | 1445 | 1465 | 2.25 | cps |
| Calcium | 43-1 | 273 | 320 | 320 | 304 | 8.85 | cps |
| Calcium | 44-1 | 10828 | 10994 | 10468 | 10763 | 2.50 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 597 | 567 | 570 | 578 | 2.85 | cps |
| Cobalt | 59-2 | 83 | 77 | 77 | 79 | 4.87 | cps |
| Copper | 63-2 | 880 | 940 | 923 | 914 | 3.39 | cps |
| Dysprosium | 156-1 | 37 | 30 | 23 | 30 | 22.23 | cps |
| Dysprosium | 156-2 | 20 | 7 | 10 | 12 | 56.76 | cps |
| Erbium | 164-1 | 63 | 73 | 73 | 70 | 8.25 | cps |
| Erbium | 164-2 | 50 | 37 | 27 | 38 | 30.98 | cps |
| Gadolinium | 160-1 | 30 | 50 | 53 | 44 | 28.39 | cps |
| Gadolinium | 160-2 | 303 | 300 | 260 | 288 | 8.38 | cps |
| Holmium | 165-1 | 9376384 | 9174983 | 9033536 | 9194968 | 1.87 | cps |
| Holmium | 165-2 | 6432390 | 6487158 | 6517964 | 6479171 | 0.67 | cps |
| Indium | 115-1 | 8251784 | 8261814 | 8208628 | 8240742 | 0.34 | cps |
| Indium | 115-2 | 2637510 | 2663815 | 2647012 | 2649446 | 0.50 | cps |
| Iron | 56-2 | 12362 | 12455 | 13176 | 12665 | 3.52 | cps |
| Iron | 57-2 | 1367 | 1587 | 1450 | 1468 | 7.57 | cps |
| Iron | 54-2 | 1583 | 1547 | 1530 | 1553 | 1.76 | cps |
| Krypton | 83-1 | 183 | 180 | 220 | 194 | 11.41 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB08 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB08 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:50:58 | DataFile Name : | 113CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 297 | 290 | 283 | 290 | 2.30 | cps |
| Lead | 207-1 | 200 | 227 | 230 | 219 | 7.51 | cps |
| Lead | 208-1 | 1210 | 1233 | 1190 | 1211 | 1.79 | cps |
| Lithium | 6-1 | 1544134 | 1510845 | 1544852 | 1533277 | 1.27 | cps |
| Magnesium | 24-2 | 900 | 830 | 1037 | 922 | 11.40 | cps |
| Manganese | 55-2 | 337 | 383 | 407 | 376 | 9.49 | cps |
| Molybdenum | 94-1 | 310 | 297 | 317 | 308 | 3.31 | cps |
| Molybdenum | 95-1 | 150 | 143 | 190 | 161 | 15.66 | cps |
| Molybdenum | 96-1 | 250 | 237 | 263 | 250 | 5.33 | cps |
| Molybdenum | 97-1 | 110 | 117 | 80 | 102 | 19.11 | cps |
| Molybdenum | 98-1 | 297 | 233 | 290 | 273 | 12.73 | cps |
| Neodymium | 150-1 | 3 | 13 | 7 | 8 | 65.47 | cps |
| Neodymium | 150-2 | 0 | 0 | 7 | 2 | 173.21 | cps |
| Nickel | 60-2 | 153 | 173 | 200 | 176 | 13.33 | cps |
| Phosphorus | 31-2 | 110 | 107 | 97 | 104 | 6.64 | cps |
| Potassium | 39-2 | 46187 | 46003 | 46374 | 46188 | 0.40 | cps |
| Rhodium | 103-1 | 7780646 | 7849194 | 7700606 | 7776815 | 0.96 | cps |
| Rhodium | 103-2 | 4457746 | 4582122 | 4530768 | 4523545 | 1.38 | cps |
| Scandium | 45-1 | 5174151 | 5196307 | 5260407 | 5210288 | 0.86 | cps |
| Scandium | 45-2 | 372897 | 369784 | 370537 | 371073 | 0.44 | cps |
| Selenium | 82-1 | 301 | 326 | 348 | 325 | 7.29 | cps |
| Selenium | 77-2 | 3 | 0 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 173 | 247 | 193 | 204 | 18.54 | cps |
| Silicon | 28-1 | 291091 | 292099 | 293576 | 292255 | 0.43 | cps |
| Silver | 107-1 | 90 | 50 | 73 | 71 | 28.26 | cps |
| Silver | 109-1 | 87 | 47 | 63 | 66 | 30.65 | cps |
| Sodium | 23-2 | 13323 | 13426 | 13499 | 13416 | 0.66 | cps |
| Strontium | 86-1 | 403 | 427 | 470 | 433 | 7.81 | cps |
| Strontium | 88-1 | 1337 | 1150 | 1467 | 1318 | 12.08 | cps |
| Sulfur | 34-1 | 186918 | 186884 | 188959 | 187587 | 0.63 | cps |
| Terbium | 159-1 | 9655039 | 9703221 | 9699353 | 9685871 | 0.28 | cps |
| Terbium | 159-2 | 6601655 | 6527429 | 6559444 | 6562843 | 0.57 | cps |
| Thallium | 203-1 | 27 | 60 | 53 | 47 | 37.79 | cps |
| Thallium | 205-1 | 140 | 90 | 97 | 109 | 24.93 | cps |
| Tin | 118-1 | 873 | 917 | 873 | 888 | 2.82 | cps |
| Titanium | 47-1 | 153 | 180 | 163 | 166 | 8.13 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB08 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB08 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:50:58 | DataFile Name : | 113CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 33 | 40 | 60 | 44 | 31.23 | cps |
| Vanadium | 51-2 | 17 | 23 | 30 | 23 | 28.56 | cps |
| Yttrium | 89-1 | 11267176 | 10844840 | 10957797 | 11023271 | 1.98 | cps |
| Yttrium | 89-2 | 2528880 | 2564745 | 2600136 | 2564587 | 1.39 | cps |
| Zinc | 66-2 | 763 | 677 | 787 | 742 | 7.81 | cps |
| Zirconium | 90-1 | 550 | 570 | 607 | 576 | 4.99 | cps |
| Zirconium | 91-1 | 110 | 127 | 157 | 131 | 18.04 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-09 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:54:14 | DataFile Name : | 114SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 7922053 | 8003067 | 8089024 | 8004715 | 1.04 | cps |
| Antimony | 121-1 | 52653 | 53523 | 52750 | 52975 | 0.90 | cps |
| Arsenic | 75-2 | 32298 | 33090 | 33154 | 32847 | 1.45 | cps |
| Barium | 135-1 | 1966150 | 2060746 | 2000908 | 2009268 | 2.38 | cps |
| Barium | 137-1 | 3446894 | 3509115 | 3468690 | 3474900 | 0.91 | cps |
| Beryllium | 9-1 | 8179 | 8522 | 8339 | 8347 | 2.06 | cps |
| Bismuth | 209-1 | 5484503 | 5555035 | 5725027 | 5588188 | 2.21 | cps |
| Bismuth | 209-2 | 4810631 | 4789403 | 4839851 | 4813295 | 0.53 | cps |
| Bromine | 81-1 | 66462 | 73468 | 74898 | 71609 | 6.30 | cps |
| Bromine | 81-2 | 11154 | 11358 | 11621 | 11378 | 2.06 | cps |
| Cadmium | 108-1 | 1057 | 990 | 1063 | 1037 | 3.91 | cps |
| Cadmium | 106-1 | 4457 | 4544 | 4471 | 4491 | 1.04 | cps |
| Cadmium | 111-1 | 15440 | 15397 | 15411 | 15416 | 0.14 | cps |
| Calcium | 43-1 | 540267 | 550223 | 560208 | 550233 | 1.81 | cps |
| Calcium | 44-1 | 8357318 | 8514322 | 8444215 | 8438618 | 0.93 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 343240 | 341522 | 343613 | 342792 | 0.33 | cps |
| Cobalt | 59-2 | 188914 | 191554 | 190544 | 190337 | 0.70 | cps |
| Copper | 63-2 | 1092019 | 1098626 | 1098487 | 1096377 | 0.34 | cps |
| Dysprosium | 156-1 | 166026 | 170701 | 169744 | 168824 | 1.46 | cps |
| Dysprosium | 156-2 | 137267 | 136981 | 138260 | 137503 | 0.49 | cps |
| Erbium | 164-1 | 163454 | 168855 | 171118 | 167809 | 2.35 | cps |
| Erbium | 164-2 | 118749 | 117640 | 118471 | 118287 | 0.49 | cps |
| Gadolinium | 160-1 | 170788 | 174543 | 175951 | 173761 | 1.54 | cps |
| Gadolinium | 160-2 | 128372 | 128965 | 127672 | 128336 | 0.50 | cps |
| Holmium | 165-1 | 9585544 | 9675635 | 9973857 | 9745012 | 2.09 | cps |
| Holmium | 165-2 | 6936988 | 6891770 | 6929496 | 6919418 | 0.35 | cps |
| Indium | 115-1 | 8176007 | 8368465 | 8415039 | 8319837 | 1.52 | cps |
| Indium | 115-2 | 2643301 | 2702683 | 2611442 | 2652475 | 1.75 | cps |
| Iron | 56-2 | 202648477 | 205054917 | 204844177 | 204182524 | 0.65 | cps |
| Iron | 57-2 | 5029751 | 4991723 | 5079019 | 5033498 | 0.87 | cps |
| Iron | 54-2 | 11129329 | 11222067 | 11295926 | 11215774 | 0.74 | cps |
| Krypton | 83-1 | 393 | 460 | 483 | 446 | 10.48 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-09 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:54:14 | DataFile Name : | 114SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 5542959 | 5610430 | 5657702 | 5603697 | 1.03 | cps |
| Lead | 207-1 | 4689810 | 4864871 | 4702256 | 4752313 | 2.06 | cps |
| Lead | 208-1 | 21539086 | 21883181 | 21960936 | 21794401 | 1.03 | cps |
| Lithium | 6-1 | 1569858 | 1668288 | 1653759 | 1630635 | 3.26 | cps |
| Magnesium | 24-2 | 1856200 | 1872050 | 1876449 | 1868233 | 0.57 | cps |
| Manganese | 55-2 | 23894274 | 24132713 | 23799725 | 23942237 | 0.72 | cps |
| Molybdenum | 94-1 | 63447 | 65167 | 65398 | 64671 | 1.65 | cps |
| Molybdenum | 95-1 | 45882 | 45384 | 45748 | 45671 | 0.56 | cps |
| Molybdenum | 96-1 | 56054 | 57596 | 57325 | 56992 | 1.45 | cps |
| Molybdenum | 97-1 | 26651 | 28404 | 27927 | 27661 | 3.28 | cps |
| Molybdenum | 98-1 | 68902 | 70077 | 70713 | 69897 | 1.31 | cps |
| Neodymium | 150-1 | 254352 | 261004 | 261887 | 259081 | 1.59 | cps |
| Neodymium | 150-2 | 151040 | 150154 | 150316 | 150503 | 0.31 | cps |
| Nickel | 60-2 | 95139 | 96397 | 96907 | 96148 | 0.95 | cps |
| Phosphorus | 31-2 | 43431 | 44725 | 44892 | 44350 | 1.80 | cps |
| Potassium | 39-2 | 886406 | 891462 | 898476 | 892115 | 0.68 | cps |
| Rhodium | 103-1 | 7620513 | 7829737 | 7947937 | 7799396 | 2.13 | cps |
| Rhodium | 103-2 | 4481747 | 4502363 | 4430376 | 4471495 | 0.83 | cps |
| Scandium | 45-1 | 5544527 | 5559816 | 5548465 | 5550936 | 0.14 | cps |
| Scandium | 45-2 | 389177 | 389133 | 387556 | 388622 | 0.24 | cps |
| Selenium | 82-1 | 1898 | 1762 | 1842 | 1834 | 3.72 | cps |
| Selenium | 77-2 | 540 | 507 | 520 | 522 | 3.21 | cps |
| Selenium | 78-2 | 927 | 830 | 923 | 893 | 6.14 | cps |
| Silicon | 28-1 | 30973741 | 31728639 | 31999868 | 31567416 | 1.68 | cps |
| Silver | 107-1 | 329626 | 340116 | 344005 | 337915 | 2.20 | cps |
| Silver | 109-1 | 312736 | 324432 | 321941 | 319703 | 1.93 | cps |
| Sodium | 23-2 | 1714919 | 1694760 | 1689144 | 1699608 | 0.80 | cps |
| Strontium | 86-1 | 470842 | 480187 | 483955 | 478328 | 1.41 | cps |
| Strontium | 88-1 | 4272609 | 4241223 | 4371162 | 4294998 | 1.58 | cps |
| Sulfur | 34-1 | 405892 | 411183 | 410700 | 409259 | 0.71 | cps |
| Terbium | 159-1 | 9807997 | 10208323 | 10288200 | 10101506 | 2.55 | cps |
| Terbium | 159-2 | 6764902 | 6793575 | 6767475 | 6775317 | 0.23 | cps |
| Thallium | 203-1 | 6195 | 6225 | 6428 | 6283 | 2.02 | cps |
| Thallium | 205-1 | 14091 | 14858 | 14521 | 14490 | 2.65 | cps |
| Tin | 118-1 | 51535 | 52345 | 53214 | 52365 | 1.60 | cps |
| Titanium | 47-1 | 853282 | 868221 | 870877 | 864127 | 1.10 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-09 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0-0.5-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 22:54:14 | DataFile Name : | 114SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 124446 | 130616 | 130680 | 128581 | 2.79 | cps |
| Vanadium | 51-2 | 452162 | 456926 | 455554 | 454880 | 0.54 | cps |
| Yttrium | 89-1 | 14312944 | 14535694 | 14566456 | 14471698 | 0.96 | cps |
| Yttrium | 89-2 | 3374188 | 3334444 | 3362760 | 3357131 | 0.61 | cps |
| Zinc | 66-2 | 468739 | 472633 | 469247 | 470207 | 0.45 | cps |
| Zirconium | 90-1 | 104926 | 107161 | 108662 | 106916 | 1.76 | cps |
| Zirconium | 91-1 | 23990 | 24611 | 24087 | 24229 | 1.38 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-09DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:57:19 | DataFile Name : | 115SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1622924 | 1589234 | 1610179 | 1607446 | 1.06 | cps |
| Antimony | 121-1 | 10551 | 10931 | 10557 | 10680 | 2.04 | cps |
| Arsenic | 75-2 | 6158 | 6325 | 6335 | 6272 | 1.58 | cps |
| Barium | 135-1 | 379844 | 381576 | 380904 | 380775 | 0.23 | cps |
| Barium | 137-1 | 651194 | 657264 | 658824 | 655761 | 0.61 | cps |
| Beryllium | 9-1 | 1693 | 1823 | 1683 | 1733 | 4.51 | cps |
| Bismuth | 209-1 | 5768670 | 5756953 | 5752375 | 5759332 | 0.15 | cps |
| Bismuth | 209-2 | 4909176 | 4774689 | 4914754 | 4866206 | 1.63 | cps |
| Bromine | 81-1 | 22083 | 22484 | 23148 | 22572 | 2.38 | cps |
| Bromine | 81-2 | 2624 | 2437 | 2707 | 2589 | 5.34 | cps |
| Cadmium | 108-1 | 267 | 207 | 187 | 220 | 18.92 | cps |
| Cadmium | 106-1 | 2837 | 2824 | 2594 | 2751 | 4.97 | cps |
| Cadmium | 111-1 | 4269 | 4656 | 4422 | 4449 | 4.37 | cps |
| Calcium | 43-1 | 110405 | 112799 | 111983 | 111729 | 1.09 | cps |
| Calcium | 44-1 | 1690213 | 1737250 | 1698588 | 1708684 | 1.47 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 68575 | 70638 | 68016 | 69076 | 2.00 | cps |
| Cobalt | 59-2 | 39211 | 38934 | 38706 | 38950 | 0.65 | cps |
| Copper | 63-2 | 224063 | 223898 | 222496 | 223486 | 0.39 | cps |
| Dysprosium | 156-1 | 33574 | 34536 | 34726 | 34279 | 1.80 | cps |
| Dysprosium | 156-2 | 27878 | 27844 | 27013 | 27578 | 1.78 | cps |
| Erbium | 164-1 | 33420 | 34182 | 33761 | 33787 | 1.13 | cps |
| Erbium | 164-2 | 23376 | 23022 | 22558 | 22986 | 1.78 | cps |
| Gadolinium | 160-1 | 35288 | 35428 | 36157 | 35624 | 1.31 | cps |
| Gadolinium | 160-2 | 25456 | 25423 | 24896 | 25258 | 1.25 | cps |
| Holmium | 165-1 | 9472748 | 9705755 | 9757358 | 9645287 | 1.57 | cps |
| Holmium | 165-2 | 6844246 | 6795521 | 6774761 | 6804843 | 0.52 | cps |
| Indium | 115-1 | 8452813 | 8601516 | 8474288 | 8509539 | 0.94 | cps |
| Indium | 115-2 | 2672478 | 2709723 | 2705674 | 2695958 | 0.76 | cps |
| Iron | 56-2 | 40477344 | 41373214 | 40320335 | 40723631 | 1.39 | cps |
| Iron | 57-2 | 1054951 | 1064508 | 1047508 | 1055655 | 0.81 | cps |
| Iron | 54-2 | 2261762 | 2294166 | 2245560 | 2267163 | 1.09 | cps |
| Krypton | 83-1 | 230 | 277 | 253 | 253 | 9.21 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-09DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:57:19 | DataFile Name : | 115SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1014565 | 1018261 | 1020014 | 1017613 | 0.27 | cps |
| Lead | 207-1 | 846344 | 856959 | 851885 | 851729 | 0.62 | cps |
| Lead | 208-1 | 4182953 | 4209720 | 4169250 | 4187308 | 0.49 | cps |
| Lithium | 6-1 | 1662363 | 1665202 | 1673752 | 1667106 | 0.36 | cps |
| Magnesium | 24-2 | 386601 | 387831 | 384931 | 386454 | 0.38 | cps |
| Manganese | 55-2 | 4778214 | 4812403 | 4826673 | 4805763 | 0.52 | cps |
| Molybdenum | 94-1 | 12836 | 13366 | 12862 | 13021 | 2.30 | cps |
| Molybdenum | 95-1 | 9313 | 9166 | 9130 | 9203 | 1.06 | cps |
| Molybdenum | 96-1 | 11465 | 11638 | 11398 | 11500 | 1.08 | cps |
| Molybdenum | 97-1 | 5711 | 5715 | 5591 | 5672 | 1.24 | cps |
| Molybdenum | 98-1 | 13837 | 14324 | 14594 | 14252 | 2.69 | cps |
| Neodymium | 150-1 | 52775 | 53642 | 54046 | 53488 | 1.21 | cps |
| Neodymium | 150-2 | 30316 | 30226 | 29260 | 29934 | 1.95 | cps |
| Nickel | 60-2 | 19556 | 19873 | 19790 | 19740 | 0.83 | cps |
| Phosphorus | 31-2 | 8689 | 8749 | 8446 | 8628 | 1.86 | cps |
| Potassium | 39-2 | 212286 | 216345 | 212830 | 213820 | 1.03 | cps |
| Rhodium | 103-1 | 7897952 | 8065156 | 8083859 | 8015655 | 1.28 | cps |
| Rhodium | 103-2 | 4450535 | 4553296 | 4461518 | 4488450 | 1.26 | cps |
| Scandium | 45-1 | 5381768 | 5357748 | 5346747 | 5362088 | 0.33 | cps |
| Scandium | 45-2 | 376277 | 373120 | 375599 | 374999 | 0.44 | cps |
| Selenium | 82-1 | 684 | 557 | 654 | 631 | 10.52 | cps |
| Selenium | 77-2 | 93 | 100 | 107 | 100 | 6.67 | cps |
| Selenium | 78-2 | 307 | 380 | 363 | 350 | 10.98 | cps |
| Silicon | 28-1 | 6415185 | 6623257 | 6628857 | 6555766 | 1.86 | cps |
| Silver | 107-1 | 67884 | 69994 | 69740 | 69206 | 1.66 | cps |
| Silver | 109-1 | 64108 | 65808 | 66170 | 65362 | 1.68 | cps |
| Sodium | 23-2 | 362976 | 365192 | 363175 | 363781 | 0.34 | cps |
| Strontium | 86-1 | 96856 | 98218 | 97759 | 97611 | 0.71 | cps |
| Strontium | 88-1 | 845424 | 851311 | 843751 | 846829 | 0.47 | cps |
| Sulfur | 34-1 | 193793 | 193878 | 194444 | 194038 | 0.18 | cps |
| Terbium | 159-1 | 10157643 | 10183462 | 10231982 | 10191029 | 0.37 | cps |
| Terbium | 159-2 | 6690489 | 6631116 | 6788712 | 6703439 | 1.19 | cps |
| Thallium | 203-1 | 1247 | 1233 | 1270 | 1250 | 1.48 | cps |
| Thallium | 205-1 | 2917 | 3090 | 2987 | 2998 | 2.91 | cps |
| Tin | 118-1 | 10841 | 11044 | 11188 | 11024 | 1.58 | cps |
| Titanium | 47-1 | 171142 | 175264 | 172098 | 172835 | 1.25 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-09DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0-0.5-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 22:57:19 | DataFile Name : | 115SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 25257 | 26052 | 25628 | 25646 | 1.55 | cps |
| Vanadium | 51-2 | 90228 | 90184 | 89969 | 90127 | 0.15 | cps |
| Yttrium | 89-1 | 11732093 | 11995501 | 12083499 | 11937031 | 1.53 | cps |
| Yttrium | 89-2 | 2768569 | 2708643 | 2744230 | 2740480 | 1.10 | cps |
| Zinc | 66-2 | 96751 | 98412 | 96782 | 97315 | 0.98 | cps |
| Zirconium | 90-1 | 21533 | 21876 | 21970 | 21793 | 1.06 | cps |
| Zirconium | 91-1 | 4858 | 4804 | 4871 | 4844 | 0.73 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-10 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0.5-1-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:00:30 | DataFile Name : | 116SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 11352482 | 11524654 | 11402569 | 11426569 | 0.78 | cps |
| Antimony | 121-1 | 48167 | 49803 | 49675 | 49215 | 1.85 | cps |
| Arsenic | 75-2 | 38376 | 39703 | 38540 | 38873 | 1.86 | cps |
| Barium | 135-1 | 2444979 | 2438452 | 2492442 | 2458624 | 1.20 | cps |
| Barium | 137-1 | 4149310 | 4157822 | 4212397 | 4173176 | 0.82 | cps |
| Beryllium | 9-1 | 9443 | 10020 | 10150 | 9871 | 3.81 | cps |
| Bismuth | 209-1 | 5715058 | 5698762 | 5734434 | 5716085 | 0.31 | cps |
| Bismuth | 209-2 | 4908906 | 4928594 | 4776312 | 4871271 | 1.70 | cps |
| Bromine | 81-1 | 58234 | 64594 | 65387 | 62738 | 6.25 | cps |
| Bromine | 81-2 | 9700 | 10117 | 9817 | 9878 | 2.18 | cps |
| Cadmium | 108-1 | 1310 | 1400 | 1453 | 1388 | 5.22 | cps |
| Cadmium | 106-1 | 5341 | 5184 | 5278 | 5268 | 1.50 | cps |
| Cadmium | 111-1 | 17920 | 17991 | 18449 | 18120 | 1.59 | cps |
| Calcium | 43-1 | 659982 | 682555 | 684515 | 675684 | 2.02 | cps |
| Calcium | 44-1 | 10022395 | 10286788 | 10299782 | 10202988 | 1.53 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 511473 | 508019 | 510039 | 509844 | 0.34 | cps |
| Cobalt | 59-2 | 287238 | 291849 | 288520 | 289202 | 0.82 | cps |
| Copper | 63-2 | 1145636 | 1140880 | 1148522 | 1145013 | 0.34 | cps |
| Dysprosium | 156-1 | 227328 | 236934 | 235701 | 233321 | 2.24 | cps |
| Dysprosium | 156-2 | 189030 | 188040 | 190403 | 189158 | 0.63 | cps |
| Erbium | 164-1 | 231554 | 241284 | 240212 | 237683 | 2.24 | cps |
| Erbium | 164-2 | 166345 | 165879 | 164949 | 165724 | 0.43 | cps |
| Gadolinium | 160-1 | 237872 | 246881 | 245165 | 243306 | 1.97 | cps |
| Gadolinium | 160-2 | 178708 | 179839 | 177888 | 178812 | 0.55 | cps |
| Holmium | 165-1 | 9812107 | 9829283 | 10059717 | 9900369 | 1.40 | cps |
| Holmium | 165-2 | 7143707 | 7058667 | 6972388 | 7058254 | 1.21 | cps |
| Indium | 115-1 | 8335835 | 8212036 | 8254047 | 8267306 | 0.76 | cps |
| Indium | 115-2 | 2761933 | 2638669 | 2710894 | 2703832 | 2.29 | cps |
| Iron | 56-2 | 291604042 | 291647902 | 294321949 | 292524631 | 0.53 | cps |
| Iron | 57-2 | 7145659 | 7185651 | 7219784 | 7183698 | 0.52 | cps |
| Iron | 54-2 | 15744040 | 15593325 | 15579998 | 15639121 | 0.58 | cps |
| Krypton | 83-1 | 503 | 520 | 580 | 534 | 7.55 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-10 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0.5-1-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:00:30 | DataFile Name : | 116SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 4750117 | 4683815 | 4860912 | 4764948 | 1.88 | cps |
| Lead | 207-1 | 3983900 | 4008981 | 4045689 | 4012857 | 0.77 | cps |
| Lead | 208-1 | 18322026 | 18430140 | 18831445 | 18527871 | 1.45 | cps |
| Lithium | 6-1 | 1664441 | 1603082 | 1676720 | 1648081 | 2.39 | cps |
| Magnesium | 24-2 | 3312381 | 3223684 | 3252456 | 3262841 | 1.39 | cps |
| Manganese | 55-2 | 39418297 | 39402239 | 39834269 | 39551602 | 0.62 | cps |
| Molybdenum | 94-1 | 95200 | 98639 | 100137 | 97992 | 2.58 | cps |
| Molybdenum | 95-1 | 61030 | 61187 | 62694 | 61637 | 1.49 | cps |
| Molybdenum | 96-1 | 77273 | 78670 | 79418 | 78454 | 1.39 | cps |
| Molybdenum | 97-1 | 36449 | 37468 | 37939 | 37285 | 2.04 | cps |
| Molybdenum | 98-1 | 92920 | 94742 | 94926 | 94196 | 1.18 | cps |
| Neodymium | 150-1 | 354492 | 362897 | 365277 | 360888 | 1.57 | cps |
| Neodymium | 150-2 | 206295 | 206658 | 204462 | 205805 | 0.57 | cps |
| Nickel | 60-2 | 122855 | 121454 | 121676 | 121995 | 0.62 | cps |
| Phosphorus | 31-2 | 60492 | 60292 | 60174 | 60319 | 0.27 | cps |
| Potassium | 39-2 | 1347421 | 1364230 | 1315227 | 1342293 | 1.86 | cps |
| Rhodium | 103-1 | 7773102 | 7812683 | 7814648 | 7800144 | 0.30 | cps |
| Rhodium | 103-2 | 4494783 | 4462448 | 4507188 | 4488140 | 0.51 | cps |
| Scandium | 45-1 | 5592553 | 5689151 | 5764210 | 5681972 | 1.51 | cps |
| Scandium | 45-2 | 398428 | 393529 | 397618 | 396525 | 0.66 | cps |
| Selenium | 82-1 | 1749 | 1752 | 1794 | 1765 | 1.44 | cps |
| Selenium | 77-2 | 687 | 660 | 673 | 673 | 1.98 | cps |
| Selenium | 78-2 | 973 | 1030 | 907 | 970 | 6.36 | cps |
| Silicon | 28-1 | 44759641 | 45306898 | 46078199 | 45381579 | 1.46 | cps |
| Silver | 107-1 | 244524 | 253193 | 254202 | 250640 | 2.12 | cps |
| Silver | 109-1 | 233519 | 239262 | 244938 | 239239 | 2.39 | cps |
| Sodium | 23-2 | 1839571 | 1809998 | 1788142 | 1812570 | 1.42 | cps |
| Strontium | 86-1 | 536968 | 548795 | 559763 | 548508 | 2.08 | cps |
| Strontium | 88-1 | 4773309 | 4936799 | 4907291 | 4872466 | 1.79 | cps |
| Sulfur | 34-1 | 433673 | 437021 | 434457 | 435050 | 0.40 | cps |
| Terbium | 159-1 | 10313267 | 10428689 | 10301963 | 10347973 | 0.68 | cps |
| Terbium | 159-2 | 6953874 | 7056603 | 7068094 | 7026191 | 0.90 | cps |
| Thallium | 203-1 | 8499 | 8486 | 8696 | 8561 | 1.37 | cps |
| Thallium | 205-1 | 19825 | 20819 | 20375 | 20340 | 2.45 | cps |
| Tin | 118-1 | 56601 | 57819 | 59301 | 57907 | 2.34 | cps |
| Titanium | 47-1 | 1027949 | 1048946 | 1072938 | 1049944 | 2.14 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-10 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0.5-1-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:00:30 | DataFile Name : | 116SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 127587 | 132608 | 132683 | 130959 | 2.23 | cps |
| Vanadium | 51-2 | 615912 | 613810 | 608395 | 612706 | 0.63 | cps |
| Yttrium | 89-1 | 15740591 | 15701858 | 15935286 | 15792579 | 0.79 | cps |
| Yttrium | 89-2 | 3673101 | 3635167 | 3660353 | 3656207 | 0.53 | cps |
| Zinc | 66-2 | 658978 | 659424 | 655826 | 658076 | 0.30 | cps |
| Zirconium | 90-1 | 169393 | 175075 | 176640 | 173702 | 2.20 | cps |
| Zirconium | 91-1 | 38902 | 39236 | 38982 | 39040 | 0.45 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-10DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0.5-1-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:03:34 | DataFile Name : | 117SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2183919 | 2191381 | 2177695 | 2184332 | 0.31 | cps |
| Antimony | 121-1 | 9033 | 9660 | 9406 | 9366 | 3.37 | cps |
| Arsenic | 75-2 | 7172 | 7289 | 7138 | 7200 | 1.09 | cps |
| Barium | 135-1 | 441371 | 445914 | 446937 | 444741 | 0.67 | cps |
| Barium | 137-1 | 766386 | 771698 | 773095 | 770393 | 0.46 | cps |
| Beryllium | 9-1 | 2110 | 1933 | 1987 | 2010 | 4.51 | cps |
| Bismuth | 209-1 | 5882990 | 5711062 | 5701697 | 5765250 | 1.77 | cps |
| Bismuth | 209-2 | 4783700 | 4915108 | 4944785 | 4881198 | 1.76 | cps |
| Bromine | 81-1 | 19326 | 20224 | 20494 | 20015 | 3.06 | cps |
| Bromine | 81-2 | 1973 | 2204 | 2187 | 2121 | 6.05 | cps |
| Cadmium | 108-1 | 237 | 303 | 290 | 277 | 12.75 | cps |
| Cadmium | 106-1 | 2930 | 2934 | 2640 | 2835 | 5.94 | cps |
| Cadmium | 111-1 | 4856 | 4938 | 4696 | 4830 | 2.56 | cps |
| Calcium | 43-1 | 129436 | 130184 | 130620 | 130080 | 0.46 | cps |
| Calcium | 44-1 | 1975005 | 2025795 | 1984298 | 1995033 | 1.36 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 97909 | 98845 | 97308 | 98021 | 0.79 | cps |
| Cobalt | 59-2 | 56202 | 56034 | 55178 | 55804 | 0.98 | cps |
| Copper | 63-2 | 225956 | 225090 | 222810 | 224619 | 0.72 | cps |
| Dysprosium | 156-1 | 44346 | 44430 | 45182 | 44653 | 1.03 | cps |
| Dysprosium | 156-2 | 35639 | 36200 | 35862 | 35900 | 0.79 | cps |
| Erbium | 164-1 | 44367 | 45745 | 45688 | 45266 | 1.72 | cps |
| Erbium | 164-2 | 32090 | 31723 | 31616 | 31810 | 0.78 | cps |
| Gadolinium | 160-1 | 46400 | 47193 | 46754 | 46782 | 0.85 | cps |
| Gadolinium | 160-2 | 35217 | 34619 | 34553 | 34796 | 1.05 | cps |
| Holmium | 165-1 | 9775830 | 9678838 | 9770550 | 9741739 | 0.56 | cps |
| Holmium | 165-2 | 6816357 | 6950064 | 6832922 | 6866448 | 1.06 | cps |
| Indium | 115-1 | 8386187 | 8330687 | 8351067 | 8355980 | 0.34 | cps |
| Indium | 115-2 | 2730889 | 2700908 | 2695881 | 2709226 | 0.70 | cps |
| Iron | 56-2 | 55024143 | 55385004 | 55491226 | 55300124 | 0.44 | cps |
| Iron | 57-2 | 1378984 | 1392712 | 1363336 | 1378344 | 1.07 | cps |
| Iron | 54-2 | 3038097 | 3062027 | 3023082 | 3041068 | 0.65 | cps |
| Krypton | 83-1 | 317 | 237 | 233 | 262 | 17.99 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-10DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0.5-1-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:03:34 | DataFile Name : | 117SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 818413 | 823588 | 821306 | 821102 | 0.32 | cps |
| Lead | 207-1 | 686443 | 687896 | 693549 | 689296 | 0.54 | cps |
| Lead | 208-1 | 3422634 | 3405426 | 3366538 | 3398199 | 0.85 | cps |
| Lithium | 6-1 | 1632085 | 1625399 | 1655431 | 1637638 | 0.96 | cps |
| Magnesium | 24-2 | 651900 | 645336 | 644871 | 647369 | 0.61 | cps |
| Manganese | 55-2 | 7443276 | 7633767 | 7638271 | 7571771 | 1.47 | cps |
| Molybdenum | 94-1 | 18679 | 18806 | 19196 | 18893 | 1.43 | cps |
| Molybdenum | 95-1 | 11785 | 12115 | 11978 | 11959 | 1.39 | cps |
| Molybdenum | 96-1 | 14978 | 15281 | 15515 | 15258 | 1.77 | cps |
| Molybdenum | 97-1 | 7212 | 7345 | 7409 | 7322 | 1.37 | cps |
| Molybdenum | 98-1 | 17844 | 18358 | 18382 | 18195 | 1.67 | cps |
| Neodymium | 150-1 | 68392 | 69544 | 69731 | 69222 | 1.05 | cps |
| Neodymium | 150-2 | 39676 | 38977 | 38743 | 39132 | 1.24 | cps |
| Nickel | 60-2 | 23201 | 23645 | 23692 | 23513 | 1.15 | cps |
| Phosphorus | 31-2 | 11504 | 11484 | 11551 | 11513 | 0.30 | cps |
| Potassium | 39-2 | 310238 | 308260 | 306538 | 308345 | 0.60 | cps |
| Rhodium | 103-1 | 7840001 | 7902127 | 7948885 | 7897004 | 0.69 | cps |
| Rhodium | 103-2 | 4442534 | 4568683 | 4545295 | 4518838 | 1.49 | cps |
| Scandium | 45-1 | 5210363 | 5217454 | 5475256 | 5301024 | 2.85 | cps |
| Scandium | 45-2 | 371937 | 378030 | 377815 | 375927 | 0.92 | cps |
| Selenium | 82-1 | 566 | 676 | 630 | 624 | 8.82 | cps |
| Selenium | 77-2 | 130 | 163 | 117 | 137 | 17.59 | cps |
| Selenium | 78-2 | 377 | 337 | 353 | 356 | 5.65 | cps |
| Silicon | 28-1 | 8934720 | 9279619 | 9352678 | 9189005 | 2.43 | cps |
| Silver | 107-1 | 47845 | 48869 | 48845 | 48520 | 1.20 | cps |
| Silver | 109-1 | 46748 | 46939 | 46785 | 46824 | 0.22 | cps |
| Sodium | 23-2 | 373468 | 372640 | 371397 | 372502 | 0.28 | cps |
| Strontium | 86-1 | 105672 | 105874 | 107761 | 106436 | 1.08 | cps |
| Strontium | 88-1 | 914186 | 923328 | 927133 | 921549 | 0.72 | cps |
| Sulfur | 34-1 | 190114 | 192899 | 190111 | 191041 | 0.84 | cps |
| Terbium | 159-1 | 9958119 | 10021754 | 10233578 | 10071150 | 1.43 | cps |
| Terbium | 159-2 | 6722241 | 6865998 | 6680387 | 6756209 | 1.44 | cps |
| Thallium | 203-1 | 1540 | 1600 | 1703 | 1615 | 5.12 | cps |
| Thallium | 205-1 | 3834 | 3921 | 3761 | 3838 | 2.09 | cps |
| Tin | 118-1 | 11261 | 11668 | 11488 | 11472 | 1.78 | cps |
| Titanium | 47-1 | 197543 | 198911 | 198252 | 198235 | 0.35 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-10DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-928-K1-SO-0.5-1-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:03:34 | DataFile Name : | 117SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 24787 | 25124 | 24980 | 24963 | 0.68 | cps |
| Vanadium | 51-2 | 115723 | 116443 | 115989 | 116051 | 0.31 | cps |
| Yttrium | 89-1 | 12197776 | 12326056 | 11996397 | 12173410 | 1.37 | cps |
| Yttrium | 89-2 | 2868255 | 2838553 | 2829489 | 2845433 | 0.71 | cps |
| Zinc | 66-2 | 128693 | 133140 | 129671 | 130501 | 1.79 | cps |
| Zirconium | 90-1 | 33031 | 33552 | 33582 | 33388 | 0.93 | cps |
| Zirconium | 91-1 | 7429 | 7572 | 7188 | 7396 | 2.62 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-11 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0-0.5-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:06:44 | DataFile Name : | 118SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 14277969 | 14374766 | 14233206 | 14295314 | 0.51 | cps |
| Antimony | 121-1 | 17678 | 18188 | 18192 | 18019 | 1.64 | cps |
| Arsenic | 75-2 | 27960 | 27696 | 27793 | 27816 | 0.48 | cps |
| Barium | 135-1 | 983198 | 990882 | 1000945 | 991675 | 0.90 | cps |
| Barium | 137-1 | 1821444 | 1853760 | 1823483 | 1832896 | 0.99 | cps |
| Beryllium | 9-1 | 7045 | 7005 | 7008 | 7019 | 0.32 | cps |
| Bismuth | 209-1 | 5281794 | 5415990 | 5395032 | 5364272 | 1.35 | cps |
| Bismuth | 209-2 | 4765906 | 4620160 | 4618641 | 4668236 | 1.81 | cps |
| Bromine | 81-1 | 20581 | 21739 | 21826 | 21382 | 3.25 | cps |
| Bromine | 81-2 | 2550 | 2744 | 2667 | 2654 | 3.67 | cps |
| Cadmium | 108-1 | 2020 | 2077 | 2020 | 2039 | 1.60 | cps |
| Cadmium | 106-1 | 5951 | 6218 | 6268 | 6146 | 2.77 | cps |
| Cadmium | 111-1 | 23056 | 23050 | 23575 | 23227 | 1.30 | cps |
| Calcium | 43-1 | 1481234 | 1533814 | 1520807 | 1511952 | 1.81 | cps |
| Calcium | 44-1 | 23542255 | 24119195 | 24597178 | 24086209 | 2.19 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 588517 | 597122 | 593201 | 592947 | 0.73 | cps |
| Cobalt | 59-2 | 564193 | 563644 | 561259 | 563032 | 0.28 | cps |
| Copper | 63-2 | 4112639 | 4095006 | 4112865 | 4106837 | 0.25 | cps |
| Dysprosium | 156-1 | 158274 | 162246 | 166212 | 162244 | 2.45 | cps |
| Dysprosium | 156-2 | 135422 | 132893 | 133649 | 133988 | 0.97 | cps |
| Erbium | 164-1 | 143323 | 146092 | 148706 | 146041 | 1.84 | cps |
| Erbium | 164-2 | 103097 | 102583 | 103504 | 103062 | 0.45 | cps |
| Gadolinium | 160-1 | 158863 | 157249 | 159915 | 158676 | 0.85 | cps |
| Gadolinium | 160-2 | 117111 | 117028 | 117888 | 117342 | 0.40 | cps |
| Holmium | 165-1 | 9459308 | 9316145 | 9461901 | 9412451 | 0.89 | cps |
| Holmium | 165-2 | 6819235 | 6633962 | 6697156 | 6716784 | 1.40 | cps |
| Indium | 115-1 | 8067243 | 7947447 | 8133832 | 8049508 | 1.17 | cps |
| Indium | 115-2 | 2594185 | 2618540 | 2614465 | 2609063 | 0.50 | cps |
| Iron | 56-2 | 443392593 | 448650207 | 453639367 | 448560722 | 1.14 | cps |
| Iron | 57-2 | 11129448 | 11180049 | 11130291 | 11146596 | 0.26 | cps |
| Iron | 54-2 | 24844030 | 24539375 | 24194740 | 24526049 | 1.32 | cps |
| Krypton | 83-1 | 367 | 423 | 343 | 378 | 10.89 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-11 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0-0.5-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:06:44 | DataFile Name : | 118SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 4197832 | 4333381 | 4320869 | 4284027 | 1.75 | cps |
| Lead | 207-1 | 3674033 | 3621815 | 3724866 | 3673572 | 1.40 | cps |
| Lead | 208-1 | 16494699 | 16808957 | 16829267 | 16710974 | 1.12 | cps |
| Lithium | 6-1 | 1559958 | 1570587 | 1602161 | 1577569 | 1.39 | cps |
| Magnesium | 24-2 | 10223611 | 10336278 | 10168488 | 10242792 | 0.83 | cps |
| Manganese | 55-2 | 5678217 | 5710255 | 5765709 | 5718060 | 0.77 | cps |
| Molybdenum | 94-1 | 231023 | 237795 | 236319 | 235046 | 1.51 | cps |
| Molybdenum | 95-1 | 22234 | 23259 | 23402 | 22965 | 2.78 | cps |
| Molybdenum | 96-1 | 67579 | 69022 | 70248 | 68949 | 1.94 | cps |
| Molybdenum | 97-1 | 14461 | 15035 | 14744 | 14746 | 1.95 | cps |
| Molybdenum | 98-1 | 35216 | 37044 | 36903 | 36388 | 2.80 | cps |
| Neodymium | 150-1 | 258473 | 260517 | 262461 | 260484 | 0.77 | cps |
| Neodymium | 150-2 | 152630 | 151451 | 149912 | 151331 | 0.90 | cps |
| Nickel | 60-2 | 207773 | 207338 | 208682 | 207931 | 0.33 | cps |
| Phosphorus | 31-2 | 42890 | 43044 | 43157 | 43030 | 0.31 | cps |
| Potassium | 39-2 | 1558255 | 1572967 | 1581559 | 1570927 | 0.75 | cps |
| Rhodium | 103-1 | 7480679 | 7535279 | 7532753 | 7516237 | 0.41 | cps |
| Rhodium | 103-2 | 4290665 | 4347212 | 4357055 | 4331644 | 0.83 | cps |
| Scandium | 45-1 | 5388061 | 5507348 | 5704497 | 5533302 | 2.89 | cps |
| Scandium | 45-2 | 393742 | 395290 | 393490 | 394174 | 0.25 | cps |
| Selenium | 82-1 | 1004 | 957 | 1064 | 1008 | 5.33 | cps |
| Selenium | 77-2 | 453 | 427 | 463 | 448 | 4.23 | cps |
| Selenium | 78-2 | 593 | 617 | 573 | 594 | 3.65 | cps |
| Silicon | 28-1 | 46383263 | 47371459 | 47775846 | 47176856 | 1.52 | cps |
| Silver | 107-1 | 354050 | 361631 | 363894 | 359859 | 1.43 | cps |
| Silver | 109-1 | 330874 | 333840 | 341702 | 335472 | 1.67 | cps |
| Sodium | 23-2 | 1431987 | 1454627 | 1432515 | 1439710 | 0.90 | cps |
| Strontium | 86-1 | 862528 | 876954 | 879259 | 872914 | 1.04 | cps |
| Strontium | 88-1 | 7773384 | 7746342 | 7772646 | 7764124 | 0.20 | cps |
| Sulfur | 34-1 | 335814 | 341113 | 341880 | 339602 | 0.97 | cps |
| Terbium | 159-1 | 9901957 | 9977835 | 9998058 | 9959283 | 0.51 | cps |
| Terbium | 159-2 | 6731911 | 6676143 | 6626197 | 6678084 | 0.79 | cps |
| Thallium | 203-1 | 5438 | 5761 | 6068 | 5756 | 5.48 | cps |
| Thallium | 205-1 | 13430 | 13767 | 13367 | 13521 | 1.59 | cps |
| Tin | 118-1 | 61722 | 63228 | 62395 | 62448 | 1.21 | cps |
| Titanium | 47-1 | 2539642 | 2579398 | 2597434 | 2572158 | 1.15 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-11 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0-0.5-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:06:44 | DataFile Name : | 118SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 122238 | 123257 | 126063 | 123853 | 1.60 | cps |
| Vanadium | 51-2 | 867962 | 870144 | 867335 | 868480 | 0.17 | cps |
| Yttrium | 89-1 | 13301845 | 13277832 | 13560150 | 13379942 | 1.17 | cps |
| Yttrium | 89-2 | 3110894 | 3103428 | 3107096 | 3107139 | 0.12 | cps |
| Zinc | 66-2 | 732809 | 728949 | 735019 | 732259 | 0.42 | cps |
| Zirconium | 90-1 | 592448 | 610950 | 613181 | 605526 | 1.88 | cps |
| Zirconium | 91-1 | 134711 | 137184 | 138410 | 136769 | 1.38 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-11DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0-0.5-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:09:47 | DataFile Name : | 119SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2861387 | 2856729 | 2816366 | 2844827 | 0.87 | cps |
| Antimony | 121-1 | 3831 | 3811 | 3877 | 3839 | 0.89 | cps |
| Arsenic | 75-2 | 5464 | 5684 | 5741 | 5630 | 2.60 | cps |
| Barium | 135-1 | 200811 | 203730 | 202098 | 202213 | 0.72 | cps |
| Barium | 137-1 | 349450 | 350667 | 349802 | 349973 | 0.18 | cps |
| Beryllium | 9-1 | 1423 | 1400 | 1473 | 1432 | 2.62 | cps |
| Bismuth | 209-1 | 5672956 | 5509186 | 5641780 | 5607974 | 1.55 | cps |
| Bismuth | 209-2 | 4775917 | 4863473 | 4759392 | 4799594 | 1.17 | cps |
| Bromine | 81-1 | 11224 | 11431 | 10984 | 11213 | 2.00 | cps |
| Bromine | 81-2 | 630 | 663 | 673 | 656 | 3.46 | cps |
| Cadmium | 108-1 | 467 | 383 | 550 | 467 | 17.86 | cps |
| Cadmium | 106-1 | 3150 | 3160 | 3010 | 3107 | 2.70 | cps |
| Cadmium | 111-1 | 6159 | 6331 | 6010 | 6167 | 2.61 | cps |
| Calcium | 43-1 | 317621 | 315360 | 317239 | 316740 | 0.38 | cps |
| Calcium | 44-1 | 4827651 | 4790045 | 4867662 | 4828452 | 0.80 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 120104 | 119751 | 119516 | 119790 | 0.25 | cps |
| Cobalt | 59-2 | 115618 | 114758 | 114255 | 114877 | 0.60 | cps |
| Copper | 63-2 | 832360 | 830507 | 825634 | 829500 | 0.42 | cps |
| Dysprosium | 156-1 | 32595 | 32501 | 33487 | 32861 | 1.66 | cps |
| Dysprosium | 156-2 | 26338 | 26505 | 26044 | 26296 | 0.89 | cps |
| Erbium | 164-1 | 28840 | 29391 | 28960 | 29064 | 1.00 | cps |
| Erbium | 164-2 | 20482 | 20231 | 19624 | 20112 | 2.19 | cps |
| Gadolinium | 160-1 | 31679 | 31201 | 32120 | 31667 | 1.45 | cps |
| Gadolinium | 160-2 | 23640 | 23199 | 23473 | 23437 | 0.95 | cps |
| Holmium | 165-1 | 9762829 | 9549381 | 9564479 | 9625563 | 1.24 | cps |
| Holmium | 165-2 | 6551400 | 6693706 | 6741649 | 6662251 | 1.49 | cps |
| Indium | 115-1 | 8386425 | 8446025 | 8299942 | 8377464 | 0.88 | cps |
| Indium | 115-2 | 2678503 | 2706456 | 2650384 | 2678448 | 1.05 | cps |
| Iron | 56-2 | 90930009 | 92431065 | 90320649 | 91227241 | 1.19 | cps |
| Iron | 57-2 | 2262516 | 2279752 | 2287434 | 2276567 | 0.56 | cps |
| Iron | 54-2 | 4943130 | 4979945 | 4934123 | 4952399 | 0.49 | cps |
| Krypton | 83-1 | 287 | 200 | 260 | 249 | 17.84 | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-11DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0-0.5-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:09:47 | DataFile Name : | 119SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 792136 | 789952 | 786146 | 789411 | 0.38 | cps |
| Lead | 207-1 | 665027 | 664832 | 668226 | 666028 | 0.29 | cps |
| Lead | 208-1 | 3276979 | 3067068 | 3265944 | 3203330 | 3.69 | cps |
| Lithium | 6-1 | 1653995 | 1608107 | 1645006 | 1635703 | 1.49 | cps |
| Magnesium | 24-2 | 2047596 | 2085932 | 2010144 | 2047890 | 1.85 | cps |
| Manganese | 55-2 | 1165689 | 1165613 | 1165098 | 1165467 | 0.03 | cps |
| Molybdenum | 94-1 | 46922 | 46905 | 47630 | 47152 | 0.88 | cps |
| Molybdenum | 95-1 | 4761 | 4871 | 4898 | 4843 | 1.50 | cps |
| Molybdenum | 96-1 | 14224 | 14050 | 14197 | 14157 | 0.66 | cps |
| Molybdenum | 97-1 | 3134 | 3104 | 3220 | 3153 | 1.92 | cps |
| Molybdenum | 98-1 | 7419 | 7639 | 7579 | 7545 | 1.51 | cps |
| Neodymium | 150-1 | 52337 | 53601 | 52514 | 52818 | 1.30 | cps |
| Neodymium | 150-2 | 29945 | 30095 | 30196 | 30079 | 0.42 | cps |
| Nickel | 60-2 | 42667 | 44008 | 42259 | 42978 | 2.13 | cps |
| Phosphorus | 31-2 | 8532 | 8609 | 8612 | 8585 | 0.53 | cps |
| Potassium | 39-2 | 368043 | 373291 | 366430 | 369255 | 0.97 | cps |
| Rhodium | 103-1 | 7756820 | 7800507 | 7833895 | 7797074 | 0.50 | cps |
| Rhodium | 103-2 | 4537558 | 4524013 | 4514328 | 4525300 | 0.26 | cps |
| Scandium | 45-1 | 5286753 | 5412599 | 5295414 | 5331589 | 1.32 | cps |
| Scandium | 45-2 | 373914 | 379280 | 370654 | 374616 | 1.16 | cps |
| Selenium | 82-1 | 352 | 517 | 470 | 446 | 19.12 | cps |
| Selenium | 77-2 | 70 | 90 | 110 | 90 | 22.22 | cps |
| Selenium | 78-2 | 327 | 347 | 300 | 324 | 7.22 | cps |
| Silicon | 28-1 | 9586841 | 9913168 | 9835856 | 9778622 | 1.74 | cps |
| Silver | 107-1 | 72389 | 74212 | 75609 | 74070 | 2.18 | cps |
| Silver | 109-1 | 68933 | 69991 | 70862 | 69929 | 1.38 | cps |
| Sodium | 23-2 | 310655 | 311068 | 309975 | 310566 | 0.18 | cps |
| Strontium | 86-1 | 175834 | 177814 | 177029 | 176892 | 0.56 | cps |
| Strontium | 88-1 | 1583963 | 1557172 | 1558951 | 1566695 | 0.96 | cps |
| Sulfur | 34-1 | 184503 | 187364 | 183555 | 185140 | 1.07 | cps |
| Terbium | 159-1 | 10052379 | 9937051 | 9911345 | 9966925 | 0.75 | cps |
| Terbium | 159-2 | 6742126 | 6782778 | 6713153 | 6746019 | 0.52 | cps |
| Thallium | 203-1 | 1233 | 1127 | 1300 | 1220 | 7.17 | cps |
| Thallium | 205-1 | 3130 | 2917 | 2977 | 3008 | 3.66 | cps |
| Tin | 118-1 | 12842 | 13076 | 13059 | 12993 | 1.00 | cps |
| Titanium | 47-1 | 520309 | 525564 | 525521 | 523798 | 0.58 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-11DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0-0.5-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:09:47 | DataFile Name : | 119SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 24576 | 24573 | 24740 | 24629 | 0.39 | cps |
| Vanadium | 51-2 | 171487 | 172960 | 171273 | 171907 | 0.53 | cps |
| Yttrium | 89-1 | 11747074 | 11718513 | 11584527 | 11683371 | 0.74 | cps |
| Yttrium | 89-2 | 2690335 | 2734987 | 2719174 | 2714832 | 0.83 | cps |
| Zinc | 66-2 | 153005 | 151836 | 152105 | 152316 | 0.40 | cps |
| Zirconium | 90-1 | 121888 | 120536 | 122476 | 121633 | 0.82 | cps |
| Zirconium | 91-1 | 26875 | 27416 | 27619 | 27303 | 1.41 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-12 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0.5-1.0-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:12:56 | DataFile Name : | 120SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 18209023 | 18547389 | 18081190 | 18279201 | 1.32 | cps |
| Antimony | 121-1 | 14454 | 14547 | 14554 | 14518 | 0.39 | cps |
| Arsenic | 75-2 | 43390 | 43978 | 43102 | 43490 | 1.03 | cps |
| Barium | 135-1 | 971075 | 1000878 | 997528 | 989827 | 1.65 | cps |
| Barium | 137-1 | 1795141 | 1875267 | 1837076 | 1835828 | 2.18 | cps |
| Beryllium | 9-1 | 6265 | 6185 | 6591 | 6347 | 3.40 | cps |
| Bismuth | 209-1 | 5385646 | 5402150 | 5449248 | 5412348 | 0.61 | cps |
| Bismuth | 209-2 | 4682617 | 4649276 | 5089658 | 4807183 | 5.10 | cps |
| Bromine | 81-1 | 23823 | 25055 | 25208 | 24695 | 3.08 | cps |
| Bromine | 81-2 | 3320 | 3154 | 3234 | 3236 | 2.58 | cps |
| Cadmium | 108-1 | 4137 | 3671 | 4051 | 3953 | 6.28 | cps |
| Cadmium | 106-1 | 8853 | 8913 | 8613 | 8793 | 1.81 | cps |
| Cadmium | 111-1 | 49829 | 50920 | 50457 | 50402 | 1.09 | cps |
| Calcium | 43-1 | 1579601 | 1614869 | 1661966 | 1618812 | 2.55 | cps |
| Calcium | 44-1 | 25706360 | 26289632 | 25605225 | 25867072 | 1.43 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 733357 | 726956 | 725297 | 728537 | 0.58 | cps |
| Cobalt | 59-2 | 734503 | 740592 | 728096 | 734397 | 0.85 | cps |
| Copper | 63-2 | 8004568 | 8078237 | 8020947 | 8034584 | 0.48 | cps |
| Dysprosium | 156-1 | 161895 | 164849 | 165068 | 163937 | 1.08 | cps |
| Dysprosium | 156-2 | 130682 | 132418 | 130924 | 131341 | 0.72 | cps |
| Erbium | 164-1 | 137933 | 144087 | 144091 | 142037 | 2.50 | cps |
| Erbium | 164-2 | 99410 | 98048 | 99827 | 99095 | 0.94 | cps |
| Gadolinium | 160-1 | 156867 | 159369 | 158300 | 158179 | 0.79 | cps |
| Gadolinium | 160-2 | 115592 | 116547 | 115784 | 115974 | 0.44 | cps |
| Holmium | 165-1 | 9502410 | 9711435 | 9584438 | 9599428 | 1.10 | cps |
| Holmium | 165-2 | 6949016 | 6759244 | 7460915 | 7056392 | 5.14 | cps |
| Indium | 115-1 | 7940746 | 8104774 | 8063994 | 8036505 | 1.06 | cps |
| Indium | 115-2 | 2591411 | 2662980 | 2846138 | 2700176 | 4.87 | cps |
| Iron | 56-2 | 572036031 | 572399005 | 570505672 | 571646903 | 0.18 | cps |
| Iron | 57-2 | 14217194 | 14021471 | 13797011 | 14011892 | 1.50 | cps |
| Iron | 54-2 | 31014072 | 31162004 | 30838301 | 31004792 | 0.52 | cps |
| Krypton | 83-1 | 417 | 460 | 477 | 451 | 6.87 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-12 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0.5-1.0-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:12:56 | DataFile Name : | 120SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 5544191 | 5574104 | 5474923 | 5531073 | 0.92 | cps |
| Lead | 207-1 | 4703746 | 4810261 | 4768474 | 4760827 | 1.13 | cps |
| Lead | 208-1 | 21536896 | 22179088 | 21696083 | 21804022 | 1.53 | cps |
| Lithium | 6-1 | 1608396 | 1647095 | 1611739 | 1622410 | 1.32 | cps |
| Magnesium | 24-2 | 16028242 | 16212636 | 15766720 | 16002533 | 1.40 | cps |
| Manganese | 55-2 | 6067773 | 5914489 | 5996393 | 5992885 | 1.28 | cps |
| Molybdenum | 94-1 | 202731 | 206358 | 207453 | 205514 | 1.20 | cps |
| Molybdenum | 95-1 | 27990 | 29122 | 28434 | 28516 | 2.00 | cps |
| Molybdenum | 96-1 | 70094 | 71487 | 70727 | 70769 | 0.99 | cps |
| Molybdenum | 97-1 | 18078 | 18458 | 17988 | 18175 | 1.37 | cps |
| Molybdenum | 98-1 | 45069 | 45615 | 45086 | 45257 | 0.69 | cps |
| Neodymium | 150-1 | 255670 | 259129 | 260285 | 258361 | 0.93 | cps |
| Neodymium | 150-2 | 148463 | 149562 | 149310 | 149111 | 0.39 | cps |
| Nickel | 60-2 | 294508 | 296530 | 295210 | 295416 | 0.35 | cps |
| Phosphorus | 31-2 | 41035 | 40179 | 39765 | 40326 | 1.61 | cps |
| Potassium | 39-2 | 1695844 | 1656163 | 1672030 | 1674679 | 1.19 | cps |
| Rhodium | 103-1 | 7409973 | 7529138 | 7539560 | 7492890 | 0.96 | cps |
| Rhodium | 103-2 | 4299227 | 4282050 | 4579561 | 4386946 | 3.81 | cps |
| Scandium | 45-1 | 5649212 | 5691282 | 5583374 | 5641289 | 0.96 | cps |
| Scandium | 45-2 | 402966 | 397372 | 430189 | 410175 | 4.28 | cps |
| Selenium | 82-1 | 1243 | 1381 | 1338 | 1321 | 5.36 | cps |
| Selenium | 77-2 | 480 | 403 | 453 | 446 | 8.74 | cps |
| Selenium | 78-2 | 657 | 727 | 667 | 683 | 5.54 | cps |
| Silicon | 28-1 | 30094444 | 30988178 | 31519393 | 30867338 | 2.33 | cps |
| Silver | 107-1 | 447787 | 456249 | 455917 | 453318 | 1.06 | cps |
| Silver | 109-1 | 430588 | 430097 | 433789 | 431491 | 0.46 | cps |
| Sodium | 23-2 | 2382305 | 2351133 | 2350926 | 2361455 | 0.76 | cps |
| Strontium | 86-1 | 819349 | 837401 | 841787 | 832846 | 1.43 | cps |
| Strontium | 88-1 | 7309371 | 7500287 | 7497972 | 7435877 | 1.47 | cps |
| Sulfur | 34-1 | 304729 | 311492 | 308428 | 308216 | 1.10 | cps |
| Terbium | 159-1 | 10068715 | 10021041 | 10150226 | 10079994 | 0.65 | cps |
| Terbium | 159-2 | 6826547 | 6554919 | 7292705 | 6891391 | 5.41 | cps |
| Thallium | 203-1 | 5501 | 5668 | 5748 | 5639 | 2.23 | cps |
| Thallium | 205-1 | 13517 | 13273 | 14071 | 13620 | 3.00 | cps |
| Tin | 118-1 | 75222 | 76954 | 78406 | 76860 | 2.07 | cps |
| Titanium | 47-1 | 2700208 | 2729720 | 2676434 | 2702121 | 0.99 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-12 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0.5-1.0-0819 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:12:56 | DataFile Name : | 120SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 138448 | 140842 | 142469 | 140586 | 1.44 | cps |
| Vanadium | 51-2 | 1242804 | 1231322 | 1229863 | 1234663 | 0.57 | cps |
| Yttrium | 89-1 | 13131522 | 13146960 | 13624201 | 13300894 | 2.11 | cps |
| Yttrium | 89-2 | 3085773 | 3108530 | 3301432 | 3165245 | 3.74 | cps |
| Zinc | 66-2 | 1272441 | 1277625 | 1252411 | 1267492 | 1.05 | cps |
| Zirconium | 90-1 | 508796 | 518470 | 522024 | 516430 | 1.33 | cps |
| Zirconium | 91-1 | 112937 | 116028 | 117378 | 115448 | 1.97 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-12DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0.5-1.0-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:15:58 | DataFile Name : | 121SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3599128 | 3644844 | 3610527 | 3618166 | 0.66 | cps |
| Antimony | 121-1 | 2867 | 3240 | 3244 | 3117 | 6.95 | cps |
| Arsenic | 75-2 | 8569 | 8639 | 8179 | 8462 | 2.93 | cps |
| Barium | 135-1 | 201877 | 204039 | 199766 | 201894 | 1.06 | cps |
| Barium | 137-1 | 346765 | 351736 | 345537 | 348013 | 0.94 | cps |
| Beryllium | 9-1 | 1343 | 1327 | 1380 | 1350 | 2.02 | cps |
| Bismuth | 209-1 | 5706442 | 5730751 | 5757036 | 5731410 | 0.44 | cps |
| Bismuth | 209-2 | 4885575 | 4695895 | 4799726 | 4793732 | 1.98 | cps |
| Bromine | 81-1 | 11982 | 12128 | 11598 | 11903 | 2.30 | cps |
| Bromine | 81-2 | 810 | 790 | 787 | 796 | 1.59 | cps |
| Cadmium | 108-1 | 760 | 757 | 867 | 794 | 7.88 | cps |
| Cadmium | 106-1 | 3724 | 3674 | 3560 | 3653 | 2.29 | cps |
| Cadmium | 111-1 | 11741 | 11689 | 11572 | 11667 | 0.74 | cps |
| Calcium | 43-1 | 342002 | 338184 | 345763 | 341983 | 1.11 | cps |
| Calcium | 44-1 | 5153856 | 5179035 | 5271173 | 5201354 | 1.19 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 146467 | 145528 | 145501 | 145832 | 0.38 | cps |
| Cobalt | 59-2 | 149254 | 149682 | 150018 | 149651 | 0.26 | cps |
| Copper | 63-2 | 1656133 | 1678895 | 1631436 | 1655488 | 1.43 | cps |
| Dysprosium | 156-1 | 32621 | 32344 | 32501 | 32489 | 0.43 | cps |
| Dysprosium | 156-2 | 25917 | 26639 | 26672 | 26409 | 1.61 | cps |
| Erbium | 164-1 | 28158 | 28149 | 27968 | 28092 | 0.38 | cps |
| Erbium | 164-2 | 19404 | 19918 | 19417 | 19579 | 1.50 | cps |
| Gadolinium | 160-1 | 30774 | 31459 | 31833 | 31355 | 1.71 | cps |
| Gadolinium | 160-2 | 22705 | 22849 | 23406 | 22987 | 1.61 | cps |
| Holmium | 165-1 | 9742070 | 9798210 | 9805073 | 9781784 | 0.35 | cps |
| Holmium | 165-2 | 6785475 | 6734538 | 6796512 | 6772175 | 0.49 | cps |
| Indium | 115-1 | 8491506 | 8441696 | 8468523 | 8467242 | 0.29 | cps |
| Indium | 115-2 | 2709283 | 2677705 | 2659282 | 2682090 | 0.94 | cps |
| Iron | 56-2 | 113233308 | 113501838 | 112250252 | 112995133 | 0.58 | cps |
| Iron | 57-2 | 2895396 | 2867075 | 2827605 | 2863359 | 1.19 | cps |
| Iron | 54-2 | 6156853 | 6296889 | 6143846 | 6199196 | 1.37 | cps |
| Krypton | 83-1 | 253 | 257 | 230 | 247 | 5.89 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-12DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0.5-1.0-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:15:58 | DataFile Name : | 121SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1006714 | 1025684 | 1018031 | 1016810 | 0.94 | cps |
| Lead | 207-1 | 851468 | 869966 | 852501 | 857978 | 1.21 | cps |
| Lead | 208-1 | 4186288 | 4264736 | 4224279 | 4225101 | 0.93 | cps |
| Lithium | 6-1 | 1641363 | 1678648 | 1615993 | 1645335 | 1.92 | cps |
| Magnesium | 24-2 | 3137044 | 3180247 | 3132099 | 3149797 | 0.84 | cps |
| Manganese | 55-2 | 1208742 | 1217446 | 1192498 | 1206229 | 1.05 | cps |
| Molybdenum | 94-1 | 39446 | 40823 | 40556 | 40275 | 1.81 | cps |
| Molybdenum | 95-1 | 5885 | 5578 | 5578 | 5680 | 3.12 | cps |
| Molybdenum | 96-1 | 13943 | 13730 | 14274 | 13982 | 1.96 | cps |
| Molybdenum | 97-1 | 3774 | 3757 | 3647 | 3726 | 1.85 | cps |
| Molybdenum | 98-1 | 8589 | 9126 | 9633 | 9116 | 5.73 | cps |
| Neodymium | 150-1 | 52404 | 52564 | 51052 | 52007 | 1.60 | cps |
| Neodymium | 150-2 | 28997 | 29144 | 29053 | 29064 | 0.26 | cps |
| Nickel | 60-2 | 60217 | 61298 | 60398 | 60638 | 0.96 | cps |
| Phosphorus | 31-2 | 7962 | 8122 | 8059 | 8048 | 1.00 | cps |
| Potassium | 39-2 | 388795 | 392940 | 389506 | 390414 | 0.57 | cps |
| Rhodium | 103-1 | 7873915 | 7997607 | 7868441 | 7913321 | 0.92 | cps |
| Rhodium | 103-2 | 4590825 | 4454903 | 4472554 | 4506094 | 1.64 | cps |
| Scandium | 45-1 | 5480861 | 5465908 | 5397170 | 5447980 | 0.82 | cps |
| Scandium | 45-2 | 375826 | 377293 | 377032 | 376717 | 0.21 | cps |
| Selenium | 82-1 | 585 | 509 | 550 | 548 | 6.96 | cps |
| Selenium | 77-2 | 70 | 97 | 107 | 91 | 20.80 | cps |
| Selenium | 78-2 | 377 | 313 | 357 | 349 | 9.28 | cps |
| Silicon | 28-1 | 6464433 | 6603806 | 6513402 | 6527214 | 1.08 | cps |
| Silver | 107-1 | 91731 | 93865 | 94595 | 93397 | 1.59 | cps |
| Silver | 109-1 | 87482 | 88944 | 88743 | 88390 | 0.90 | cps |
| Sodium | 23-2 | 499183 | 498610 | 500635 | 499476 | 0.21 | cps |
| Strontium | 86-1 | 166585 | 166750 | 166305 | 166547 | 0.14 | cps |
| Strontium | 88-1 | 1483178 | 1461806 | 1485974 | 1476986 | 0.90 | cps |
| Sulfur | 34-1 | 183503 | 183022 | 183342 | 183289 | 0.13 | cps |
| Terbium | 159-1 | 10310488 | 10103209 | 10181884 | 10198527 | 1.03 | cps |
| Terbium | 159-2 | 6665797 | 6630309 | 6837795 | 6711300 | 1.65 | cps |
| Thallium | 203-1 | 1210 | 1180 | 1017 | 1136 | 9.16 | cps |
| Thallium | 205-1 | 2950 | 2804 | 2934 | 2896 | 2.77 | cps |
| Tin | 118-1 | 14945 | 15395 | 15495 | 15278 | 1.92 | cps |
| Titanium | 47-1 | 540338 | 553655 | 556676 | 550223 | 1.58 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-12DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-903-J-SO-0.5-1.0-0819 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:15:58 | DataFile Name : | 121SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 27198 | 28808 | 28086 | 28031 | 2.88 | cps |
| Vanadium | 51-2 | 246708 | 245128 | 244020 | 245285 | 0.55 | cps |
| Yttrium | 89-1 | 11822992 | 11840436 | 11928646 | 11864025 | 0.48 | cps |
| Yttrium | 89-2 | 2748191 | 2785784 | 2748778 | 2760918 | 0.78 | cps |
| Zinc | 66-2 | 266243 | 261460 | 261521 | 263075 | 1.04 | cps |
| Zirconium | 90-1 | 101408 | 102991 | 102686 | 102362 | 0.82 | cps |
| Zirconium | 91-1 | 22491 | 22724 | 23429 | 22881 | 2.13 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-13 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0-0.5-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:19:06 | DataFile Name : | 122SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2751449 | 2785521 | 2791908 | 2776293 | 0.78 | cps |
| Antimony | 121-1 | 97112 | 99336 | 99253 | 98567 | 1.28 | cps |
| Arsenic | 75-2 | 36050 | 35904 | 36538 | 36164 | 0.92 | cps |
| Barium | 135-1 | 1187277 | 1210057 | 1223002 | 1206778 | 1.50 | cps |
| Barium | 137-1 | 2191722 | 2238103 | 2277929 | 2235918 | 1.93 | cps |
| Beryllium | 9-1 | 3210 | 3500 | 3574 | 3428 | 5.61 | cps |
| Bismuth | 209-1 | 5638179 | 5662675 | 5589042 | 5629965 | 0.67 | cps |
| Bismuth | 209-2 | 4768986 | 4881080 | 4814315 | 4821460 | 1.17 | cps |
| Bromine | 81-1 | 70665 | 79013 | 79600 | 76426 | 6.54 | cps |
| Bromine | 81-2 | 12302 | 12245 | 12405 | 12317 | 0.66 | cps |
| Cadmium | 108-1 | 503 | 637 | 527 | 556 | 12.82 | cps |
| Cadmium | 106-1 | 3474 | 3497 | 3544 | 3505 | 1.02 | cps |
| Cadmium | 111-1 | 8274 | 8307 | 8187 | 8256 | 0.75 | cps |
| Calcium | 43-1 | 854723 | 848297 | 876779 | 859933 | 1.74 | cps |
| Calcium | 44-1 | 13135233 | 12968436 | 12963898 | 13022522 | 0.75 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 209317 | 212784 | 210426 | 210842 | 0.84 | cps |
| Cobalt | 59-2 | 58249 | 58028 | 58072 | 58117 | 0.20 | cps |
| Copper | 63-2 | 868676 | 862577 | 865762 | 865672 | 0.35 | cps |
| Dysprosium | 156-1 | 70908 | 73699 | 72871 | 72493 | 1.98 | cps |
| Dysprosium | 156-2 | 59619 | 59074 | 59439 | 59377 | 0.47 | cps |
| Erbium | 164-1 | 71830 | 73861 | 72336 | 72675 | 1.45 | cps |
| Erbium | 164-2 | 51996 | 51605 | 51304 | 51635 | 0.67 | cps |
| Gadolinium | 160-1 | 74413 | 75911 | 78384 | 76236 | 2.63 | cps |
| Gadolinium | 160-2 | 57079 | 56303 | 55255 | 56212 | 1.63 | cps |
| Holmium | 165-1 | 9609887 | 9794779 | 9566118 | 9656928 | 1.26 | cps |
| Holmium | 165-2 | 6782482 | 6783702 | 6817577 | 6794587 | 0.29 | cps |
| Indium | 115-1 | 8291180 | 8374017 | 8229111 | 8298102 | 0.88 | cps |
| Indium | 115-2 | 2727679 | 2722108 | 2690712 | 2713500 | 0.73 | cps |
| Iron | 56-2 | 162411124 | 158496071 | 159285951 | 160064382 | 1.29 | cps |
| Iron | 57-2 | 3948244 | 3969497 | 3959576 | 3959106 | 0.27 | cps |
| Iron | 54-2 | 8550801 | 8675244 | 8551531 | 8592525 | 0.83 | cps |
| Krypton | 83-1 | 267 | 303 | 337 | 302 | 11.59 | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-13 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0-0.5-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:19:06 | DataFile Name : | 122SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 5552359 | 5603036 | 5784623 | 5646673 | 2.16 | cps |
| Lead | 207-1 | 4855322 | 4919860 | 4898872 | 4891351 | 0.67 | cps |
| Lead | 208-1 | 22061361 | 22515917 | 22515276 | 22364185 | 1.17 | cps |
| Lithium | 6-1 | 1628689 | 1666841 | 1588811 | 1628114 | 2.40 | cps |
| Magnesium | 24-2 | 1359266 | 1394266 | 1378162 | 1377231 | 1.27 | cps |
| Manganese | 55-2 | 15935846 | 15601234 | 15785735 | 15774272 | 1.06 | cps |
| Molybdenum | 94-1 | 42719 | 44815 | 43615 | 43716 | 2.41 | cps |
| Molybdenum | 95-1 | 26835 | 27860 | 26581 | 27092 | 2.50 | cps |
| Molybdenum | 96-1 | 35092 | 35463 | 35567 | 35374 | 0.71 | cps |
| Molybdenum | 97-1 | 16059 | 16453 | 16419 | 16310 | 1.34 | cps |
| Molybdenum | 98-1 | 41271 | 42274 | 42271 | 41939 | 1.38 | cps |
| Neodymium | 150-1 | 111887 | 113637 | 113903 | 113142 | 0.97 | cps |
| Neodymium | 150-2 | 66165 | 64186 | 65096 | 65149 | 1.52 | cps |
| Nickel | 60-2 | 55368 | 54408 | 53846 | 54541 | 1.41 | cps |
| Phosphorus | 31-2 | 40032 | 39404 | 40393 | 39943 | 1.25 | cps |
| Potassium | 39-2 | 564905 | 565028 | 565777 | 565236 | 0.08 | cps |
| Rhodium | 103-1 | 7853317 | 7859897 | 7713396 | 7808870 | 1.06 | cps |
| Rhodium | 103-2 | 4577105 | 4543067 | 4557594 | 4559255 | 0.37 | cps |
| Scandium | 45-1 | 5404891 | 5380549 | 5300221 | 5361887 | 1.02 | cps |
| Scandium | 45-2 | 380801 | 378337 | 377126 | 378754 | 0.49 | cps |
| Selenium | 82-1 | 2266 | 2360 | 2285 | 2303 | 2.16 | cps |
| Selenium | 77-2 | 370 | 317 | 370 | 352 | 8.74 | cps |
| Selenium | 78-2 | 920 | 827 | 957 | 901 | 7.44 | cps |
| Silicon | 28-1 | 25604464 | 25725531 | 25355823 | 25561939 | 0.74 | cps |
| Silver | 107-1 | 53843 | 55301 | 55854 | 54999 | 1.89 | cps |
| Silver | 109-1 | 50190 | 52782 | 53605 | 52192 | 3.42 | cps |
| Sodium | 23-2 | 4110960 | 4100387 | 4115857 | 4109068 | 0.19 | cps |
| Strontium | 86-1 | 626239 | 648458 | 640043 | 638247 | 1.76 | cps |
| Strontium | 88-1 | 5555226 | 5845903 | 5622561 | 5674563 | 2.68 | cps |
| Sulfur | 34-1 | 508632 | 518218 | 508096 | 511649 | 1.11 | cps |
| Terbium | 159-1 | 10008929 | 10202051 | 10172815 | 10127932 | 1.03 | cps |
| Terbium | 159-2 | 6946269 | 6847934 | 6658174 | 6817459 | 2.15 | cps |
| Thallium | 203-1 | 3564 | 3517 | 3504 | 3528 | 0.89 | cps |
| Thallium | 205-1 | 8766 | 8579 | 8820 | 8722 | 1.45 | cps |
| Tin | 118-1 | 80333 | 81127 | 81895 | 81118 | 0.96 | cps |
| Titanium | 47-1 | 937362 | 953499 | 946601 | 945821 | 0.86 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-13 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0-0.5-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:19:06 | DataFile Name : | 122SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 70341 | 70954 | 72164 | 71153 | 1.30 | cps |
| Vanadium | 51-2 | 491968 | 488956 | 486861 | 489262 | 0.52 | cps |
| Yttrium | 89-1 | 12361301 | 13245033 | 12562142 | 12722825 | 3.64 | cps |
| Yttrium | 89-2 | 2981913 | 2911635 | 2986608 | 2960052 | 1.42 | cps |
| Zinc | 66-2 | 131667 | 131261 | 131349 | 131426 | 0.16 | cps |
| Zirconium | 90-1 | 75241 | 78656 | 77704 | 77200 | 2.28 | cps |
| Zirconium | 91-1 | 17063 | 17264 | 17364 | 17230 | 0.89 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-13DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0-0.5-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:22:14 | DataFile Name : | 123SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 553137 | 554601 | 557963 | 555234 | 0.45 | cps |
| Antimony | 121-1 | 19790 | 19850 | 19897 | 19846 | 0.27 | cps |
| Arsenic | 75-2 | 6958 | 6755 | 6922 | 6878 | 1.58 | cps |
| Barium | 135-1 | 243250 | 242191 | 240590 | 242010 | 0.55 | cps |
| Barium | 137-1 | 416145 | 415659 | 422584 | 418129 | 0.92 | cps |
| Beryllium | 9-1 | 620 | 710 | 600 | 643 | 9.11 | cps |
| Bismuth | 209-1 | 5700115 | 5776246 | 5797869 | 5758077 | 0.89 | cps |
| Bismuth | 209-2 | 4911923 | 4878041 | 5023267 | 4937744 | 1.54 | cps |
| Bromine | 81-1 | 23342 | 23739 | 23646 | 23576 | 0.88 | cps |
| Bromine | 81-2 | 2687 | 2634 | 2654 | 2658 | 1.01 | cps |
| Cadmium | 108-1 | 83 | 107 | 113 | 101 | 15.58 | cps |
| Cadmium | 106-1 | 2690 | 2677 | 2537 | 2635 | 3.22 | cps |
| Cadmium | 111-1 | 3122 | 2896 | 2917 | 2978 | 4.19 | cps |
| Calcium | 43-1 | 169906 | 170238 | 172180 | 170775 | 0.72 | cps |
| Calcium | 44-1 | 2623943 | 2624874 | 2638329 | 2629049 | 0.31 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 41794 | 41784 | 41744 | 41774 | 0.06 | cps |
| Cobalt | 59-2 | 11951 | 11481 | 11578 | 11670 | 2.13 | cps |
| Copper | 63-2 | 175097 | 173730 | 173164 | 173997 | 0.57 | cps |
| Dysprosium | 156-1 | 13980 | 14034 | 14304 | 14106 | 1.23 | cps |
| Dysprosium | 156-2 | 11471 | 11425 | 11855 | 11584 | 2.04 | cps |
| Erbium | 164-1 | 14584 | 14474 | 14434 | 14498 | 0.54 | cps |
| Erbium | 164-2 | 9830 | 9867 | 9977 | 9891 | 0.77 | cps |
| Gadolinium | 160-1 | 14875 | 15035 | 15215 | 15041 | 1.13 | cps |
| Gadolinium | 160-2 | 10584 | 11421 | 11108 | 11038 | 3.83 | cps |
| Holmium | 165-1 | 9690333 | 9658688 | 9742375 | 9697132 | 0.44 | cps |
| Holmium | 165-2 | 6804137 | 6870496 | 6683716 | 6786117 | 1.40 | cps |
| Indium | 115-1 | 8365617 | 8463565 | 8510782 | 8446655 | 0.88 | cps |
| Indium | 115-2 | 2713477 | 2681286 | 2738379 | 2711047 | 1.06 | cps |
| Iron | 56-2 | 32269129 | 31351483 | 31386795 | 31669135 | 1.64 | cps |
| Iron | 57-2 | 824487 | 815455 | 808994 | 816312 | 0.95 | cps |
| Iron | 54-2 | 1720697 | 1727751 | 1723813 | 1724087 | 0.21 | cps |
| Krypton | 83-1 | 177 | 243 | 240 | 220 | 17.08 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-13DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0-0.5-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:22:14 | DataFile Name : | 123SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1024868 | 1014063 | 1023668 | 1020867 | 0.58 | cps |
| Lead | 207-1 | 861455 | 855884 | 871319 | 862886 | 0.91 | cps |
| Lead | 208-1 | 4261502 | 4216152 | 4269157 | 4248937 | 0.67 | cps |
| Lithium | 6-1 | 1644653 | 1614589 | 1628732 | 1629324 | 0.92 | cps |
| Magnesium | 24-2 | 281152 | 277827 | 281328 | 280102 | 0.70 | cps |
| Manganese | 55-2 | 3140423 | 3093202 | 3119869 | 3117831 | 0.76 | cps |
| Molybdenum | 94-1 | 8519 | 8786 | 9016 | 8774 | 2.83 | cps |
| Molybdenum | 95-1 | 5594 | 5521 | 5368 | 5494 | 2.11 | cps |
| Molybdenum | 96-1 | 7208 | 6912 | 7269 | 7130 | 2.68 | cps |
| Molybdenum | 97-1 | 3154 | 3390 | 3254 | 3266 | 3.64 | cps |
| Molybdenum | 98-1 | 8516 | 8066 | 8349 | 8310 | 2.74 | cps |
| Neodymium | 150-1 | 22922 | 22912 | 22214 | 22683 | 1.79 | cps |
| Neodymium | 150-2 | 12602 | 12489 | 12469 | 12520 | 0.57 | cps |
| Nickel | 60-2 | 11104 | 11011 | 11181 | 11099 | 0.77 | cps |
| Phosphorus | 31-2 | 7479 | 7672 | 8212 | 7788 | 4.88 | cps |
| Potassium | 39-2 | 148465 | 146804 | 146429 | 147233 | 0.74 | cps |
| Rhodium | 103-1 | 8072472 | 7898759 | 7804911 | 7925380 | 1.71 | cps |
| Rhodium | 103-2 | 4510381 | 4597632 | 4616353 | 4574788 | 1.24 | cps |
| Scandium | 45-1 | 5397520 | 5358870 | 5350517 | 5368969 | 0.47 | cps |
| Scandium | 45-2 | 378490 | 375422 | 377684 | 377199 | 0.42 | cps |
| Selenium | 82-1 | 769 | 691 | 701 | 720 | 5.89 | cps |
| Selenium | 77-2 | 63 | 43 | 43 | 50 | 23.10 | cps |
| Selenium | 78-2 | 230 | 403 | 377 | 337 | 27.72 | cps |
| Silicon | 28-1 | 5179588 | 5462960 | 5229890 | 5290813 | 2.86 | cps |
| Silver | 107-1 | 11308 | 11425 | 11174 | 11302 | 1.11 | cps |
| Silver | 109-1 | 10474 | 10544 | 10761 | 10593 | 1.41 | cps |
| Sodium | 23-2 | 863302 | 858814 | 861487 | 861201 | 0.26 | cps |
| Strontium | 86-1 | 125927 | 127997 | 127352 | 127092 | 0.83 | cps |
| Strontium | 88-1 | 1101501 | 1111540 | 1113915 | 1108985 | 0.59 | cps |
| Sulfur | 34-1 | 217434 | 220674 | 220789 | 219632 | 0.87 | cps |
| Terbium | 159-1 | 10031988 | 10109668 | 10122305 | 10087987 | 0.48 | cps |
| Terbium | 159-2 | 6701624 | 6859257 | 6825947 | 6795609 | 1.22 | cps |
| Thallium | 203-1 | 737 | 700 | 713 | 717 | 2.59 | cps |
| Thallium | 205-1 | 1860 | 1837 | 1897 | 1865 | 1.62 | cps |
| Tin | 118-1 | 17003 | 16483 | 16660 | 16715 | 1.58 | cps |
| Titanium | 47-1 | 189346 | 187324 | 187890 | 188187 | 0.55 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-13DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0-0.5-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:22:14 | DataFile Name : | 123SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 13914 | 14318 | 14158 | 14130 | 1.44 | cps |
| Vanadium | 51-2 | 96154 | 95078 | 95412 | 95548 | 0.58 | cps |
| Yttrium | 89-1 | 11571371 | 11699407 | 11707493 | 11659424 | 0.65 | cps |
| Yttrium | 89-2 | 2663877 | 2674979 | 2754158 | 2697671 | 1.83 | cps |
| Zinc | 66-2 | 27108 | 27055 | 27071 | 27078 | 0.10 | cps |
| Zirconium | 90-1 | 15668 | 15168 | 15712 | 15516 | 1.95 | cps |
| Zirconium | 91-1 | 3430 | 3510 | 3414 | 3452 | 1.50 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV09 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV09 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:34:04 | DataFile Name : | 124CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5904533 | 5908020 | 5814750 | 5875767 | 0.90 | cps |
| Antimony | 121-1 | 3359759 | 3278078 | 3412513 | 3350117 | 2.02 | cps |
| Arsenic | 75-2 | 159772 | 159035 | 157765 | 158858 | 0.64 | cps |
| Barium | 135-1 | 3952678 | 3863041 | 3874059 | 3896593 | 1.25 | cps |
| Barium | 137-1 | 6672153 | 6592023 | 6669352 | 6644509 | 0.68 | cps |
| Beryllium | 9-1 | 612719 | 635481 | 638768 | 628990 | 2.26 | cps |
| Bismuth | 209-1 | 5101500 | 5105787 | 5174508 | 5127265 | 0.80 | cps |
| Bismuth | 209-2 | 4321154 | 4419720 | 4309416 | 4350096 | 1.39 | cps |
| Bromine | 81-1 | 7795 | 7622 | 8212 | 7877 | 3.85 | cps |
| Bromine | 81-2 | 90 | 90 | 103 | 94 | 8.15 | cps |
| Cadmium | 108-1 | 56982 | 57128 | 56827 | 56979 | 0.26 | cps |
| Cadmium | 106-1 | 82426 | 82090 | 83103 | 82540 | 0.62 | cps |
| Cadmium | 111-1 | 760650 | 773734 | 776306 | 770230 | 1.09 | cps |
| Calcium | 43-1 | 4740471 | 4864447 | 4876185 | 4827034 | 1.56 | cps |
| Calcium | 44-1 | 74581907 | 75640446 | 75794292 | 75338882 | 0.88 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1144256 | 1134242 | 1126411 | 1134970 | 0.79 | cps |
| Cobalt | 59-2 | 1734600 | 1717676 | 1728078 | 1726785 | 0.49 | cps |
| Copper | 63-2 | 12302111 | 12065719 | 12096490 | 12154773 | 1.06 | cps |
| Dysprosium | 156-1 | 317 | 267 | 337 | 307 | 11.76 | cps |
| Dysprosium | 156-2 | 293 | 253 | 280 | 276 | 7.39 | cps |
| Erbium | 164-1 | 213 | 247 | 240 | 233 | 7.56 | cps |
| Erbium | 164-2 | 150 | 160 | 147 | 152 | 4.56 | cps |
| Gadolinium | 160-1 | 190 | 170 | 177 | 179 | 5.69 | cps |
| Gadolinium | 160-2 | 390 | 340 | 377 | 369 | 7.02 | cps |
| Holmium | 165-1 | 9284805 | 9198050 | 9355701 | 9279519 | 0.85 | cps |
| Holmium | 165-2 | 6558187 | 6550866 | 6307394 | 6472149 | 2.21 | cps |
| Indium | 115-1 | 7804845 | 7797604 | 7631287 | 7744579 | 1.27 | cps |
| Indium | 115-2 | 2518384 | 2426750 | 2460750 | 2468628 | 1.88 | cps |
| Iron | 56-2 | 245093263 | 245687390 | 235489556 | 242090070 | 2.36 | cps |
| Iron | 57-2 | 5986623 | 5953441 | 5988678 | 5976247 | 0.33 | cps |
| Iron | 54-2 | 12940451 | 12852931 | 12780030 | 12857804 | 0.62 | cps |
| Krypton | 83-1 | 220 | 260 | 227 | 236 | 9.10 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV09 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV09 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:34:04 | DataFile Name : | 124CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 9770245 | 9925930 | 9886868 | 9861015 | 0.82 | cps |
| Lead | 207-1 | 8636709 | 8645943 | 8744692 | 8675781 | 0.69 | cps |
| Lead | 208-1 | 39206026 | 39510025 | 40140149 | 39618733 | 1.20 | cps |
| Lithium | 6-1 | 1571904 | 1572204 | 1583679 | 1575929 | 0.43 | cps |
| Magnesium | 24-2 | 49630563 | 49814714 | 49827864 | 49757714 | 0.22 | cps |
| Manganese | 55-2 | 8151519 | 7917754 | 7921175 | 7996816 | 1.68 | cps |
| Molybdenum | 94-1 | 12163649 | 12044663 | 12055519 | 12087944 | 0.54 | cps |
| Molybdenum | 95-1 | 17656618 | 17838679 | 17690596 | 17728631 | 0.55 | cps |
| Molybdenum | 96-1 | 19064950 | 19399328 | 19021212 | 19161830 | 1.08 | cps |
| Molybdenum | 97-1 | 11100962 | 10886933 | 10848512 | 10945469 | 1.24 | cps |
| Molybdenum | 98-1 | 28217291 | 27815349 | 28221581 | 28084740 | 0.83 | cps |
| Neodymium | 150-1 | 257 | 240 | 253 | 250 | 3.53 | cps |
| Neodymium | 150-2 | 77 | 83 | 123 | 94 | 26.73 | cps |
| Nickel | 60-2 | 429395 | 427550 | 427426 | 428124 | 0.26 | cps |
| Phosphorus | 31-2 | 67468 | 66069 | 64934 | 66157 | 1.92 | cps |
| Potassium | 39-2 | 29797809 | 29309991 | 29199478 | 29435759 | 1.08 | cps |
| Rhodium | 103-1 | 7042159 | 7058880 | 6956575 | 7019205 | 0.78 | cps |
| Rhodium | 103-2 | 4086072 | 3941888 | 4018103 | 4015354 | 1.80 | cps |
| Scandium | 45-1 | 5086101 | 5211919 | 5244067 | 5180695 | 1.61 | cps |
| Scandium | 45-2 | 354277 | 348861 | 350012 | 351050 | 0.81 | cps |
| Selenium | 82-1 | 51404 | 52784 | 51880 | 52023 | 1.35 | cps |
| Selenium | 77-2 | 4307 | 4274 | 4337 | 4306 | 0.74 | cps |
| Selenium | 78-2 | 14447 | 14180 | 14978 | 14535 | 2.79 | cps |
| Silicon | 28-1 | 32430104 | 32663306 | 33279778 | 32791063 | 1.34 | cps |
| Silver | 107-1 | 3862396 | 3854326 | 3897606 | 3871443 | 0.59 | cps |
| Silver | 109-1 | 3642778 | 3691509 | 3706182 | 3680156 | 0.90 | cps |
| Sodium | 23-2 | 78708662 | 79408020 | 78408656 | 78841779 | 0.65 | cps |
| Strontium | 86-1 | 25812748 | 25607440 | 25931298 | 25783829 | 0.64 | cps |
| Strontium | 88-1 | 221848070 | 225568330 | 224565743 | 223994048 | 0.86 | cps |
| Sulfur | 34-1 | 464794 | 467081 | 466689 | 466188 | 0.26 | cps |
| Terbium | 159-1 | 9523882 | 9633127 | 9754858 | 9637289 | 1.20 | cps |
| Terbium | 159-2 | 6425283 | 6370398 | 6500222 | 6431967 | 1.01 | cps |
| Thallium | 203-1 | 2562378 | 2569960 | 2596402 | 2576247 | 0.69 | cps |
| Thallium | 205-1 | 6086212 | 6103269 | 6129086 | 6106189 | 0.35 | cps |
| Tin | 118-1 | 2509070 | 2541774 | 2587540 | 2546128 | 1.55 | cps |
| Titanium | 47-1 | 4866750 | 4920915 | 4859539 | 4882401 | 0.69 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV09 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV09 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:34:04 | DataFile Name : | 124CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7707302 | 7898829 | 7864208 | 7823446 | 1.30 | cps |
| Vanadium | 51-2 | 1028693 | 1017682 | 1016794 | 1021056 | 0.65 | cps |
| Yttrium | 89-1 | 10443566 | 10659487 | 10819800 | 10640951 | 1.77 | cps |
| Yttrium | 89-2 | 2462548 | 2433970 | 2456923 | 2451147 | 0.62 | cps |
| Zinc | 66-2 | 2079394 | 2019440 | 2075525 | 2058120 | 1.63 | cps |
| Zirconium | 90-1 | 5792213 | 5908198 | 5703067 | 5801160 | 1.77 | cps |
| Zirconium | 91-1 | 1267768 | 1289483 | 1277300 | 1278184 | 0.85 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB09 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB09 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:43:40 | DataFile Name : | 125CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 343 | 253 | 260 | 286 | 17.56 | cps |
| Antimony | 121-1 | 513 | 597 | 703 | 604 | 15.76 | cps |
| Arsenic | 75-2 | 3 | 7 | 0 | 3 | 100.05 | cps |
| Barium | 135-1 | 80 | 93 | 117 | 97 | 19.20 | cps |
| Barium | 137-1 | 163 | 100 | 180 | 148 | 28.56 | cps |
| Beryllium | 9-1 | 53 | 53 | 67 | 58 | 13.33 | cps |
| Bismuth | 209-1 | 5572725 | 5598740 | 5443316 | 5538260 | 1.50 | cps |
| Bismuth | 209-2 | 4733169 | 4727550 | 4807301 | 4756007 | 0.94 | cps |
| Bromine | 81-1 | 7679 | 7412 | 7455 | 7515 | 1.91 | cps |
| Bromine | 81-2 | 67 | 60 | 93 | 73 | 24.05 | cps |
| Cadmium | 108-1 | 3 | 13 | 30 | 16 | 86.63 | cps |
| Cadmium | 106-1 | 2050 | 1913 | 2070 | 2011 | 4.24 | cps |
| Cadmium | 111-1 | 1469 | 1360 | 1445 | 1425 | 4.03 | cps |
| Calcium | 43-1 | 330 | 367 | 337 | 344 | 5.67 | cps |
| Calcium | 44-1 | 11225 | 11271 | 11358 | 11285 | 0.60 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 513 | 567 | 510 | 530 | 6.00 | cps |
| Cobalt | 59-2 | 97 | 117 | 83 | 99 | 16.97 | cps |
| Copper | 63-2 | 907 | 923 | 970 | 933 | 3.52 | cps |
| Dysprosium | 156-1 | 33 | 43 | 43 | 40 | 14.43 | cps |
| Dysprosium | 156-2 | 13 | 10 | 17 | 13 | 25.01 | cps |
| Erbium | 164-1 | 87 | 80 | 77 | 81 | 6.28 | cps |
| Erbium | 164-2 | 33 | 43 | 33 | 37 | 15.75 | cps |
| Gadolinium | 160-1 | 17 | 40 | 47 | 34 | 45.73 | cps |
| Gadolinium | 160-2 | 297 | 233 | 273 | 268 | 11.96 | cps |
| Holmium | 165-1 | 9449929 | 9278915 | 9227674 | 9318839 | 1.25 | cps |
| Holmium | 165-2 | 6582625 | 6579880 | 6591871 | 6584792 | 0.10 | cps |
| Indium | 115-1 | 8232972 | 8308983 | 8130341 | 8224099 | 1.09 | cps |
| Indium | 115-2 | 2622499 | 2569567 | 2611554 | 2601207 | 1.07 | cps |
| Iron | 56-2 | 13963 | 13610 | 14047 | 13873 | 1.67 | cps |
| Iron | 57-2 | 1473 | 1507 | 1457 | 1479 | 1.72 | cps |
| Iron | 54-2 | 1557 | 1387 | 1517 | 1487 | 5.98 | cps |
| Krypton | 83-1 | 220 | 180 | 237 | 212 | 13.72 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB09 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB09 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:43:40 | DataFile Name : | 125CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 433 | 420 | 390 | 414 | 5.36 | cps |
| Lead | 207-1 | 333 | 410 | 320 | 354 | 13.70 | cps |
| Lead | 208-1 | 1770 | 1730 | 1543 | 1681 | 7.20 | cps |
| Lithium | 6-1 | 1572762 | 1590429 | 1625003 | 1596065 | 1.66 | cps |
| Magnesium | 24-2 | 1130 | 1103 | 1227 | 1153 | 5.63 | cps |
| Manganese | 55-2 | 520 | 457 | 450 | 476 | 8.12 | cps |
| Molybdenum | 94-1 | 390 | 433 | 443 | 422 | 6.71 | cps |
| Molybdenum | 95-1 | 363 | 367 | 347 | 359 | 2.99 | cps |
| Molybdenum | 96-1 | 443 | 393 | 323 | 387 | 15.59 | cps |
| Molybdenum | 97-1 | 233 | 210 | 187 | 210 | 11.11 | cps |
| Molybdenum | 98-1 | 463 | 533 | 570 | 522 | 10.38 | cps |
| Neodymium | 150-1 | 7 | 10 | 7 | 8 | 24.71 | cps |
| Neodymium | 150-2 | 0 | 7 | 3 | 3 | 100.05 | cps |
| Nickel | 60-2 | 167 | 140 | 137 | 148 | 11.13 | cps |
| Phosphorus | 31-2 | 103 | 90 | 100 | 98 | 7.10 | cps |
| Potassium | 39-2 | 45371 | 45481 | 45304 | 45385 | 0.20 | cps |
| Rhodium | 103-1 | 7753837 | 7635216 | 7815526 | 7734859 | 1.18 | cps |
| Rhodium | 103-2 | 4516311 | 4407813 | 4509960 | 4478028 | 1.36 | cps |
| Scandium | 45-1 | 5250359 | 5242707 | 5259006 | 5250691 | 0.16 | cps |
| Scandium | 45-2 | 362484 | 364397 | 362597 | 363159 | 0.30 | cps |
| Selenium | 82-1 | 312 | 368 | 330 | 337 | 8.50 | cps |
| Selenium | 77-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 247 | 273 | 200 | 240 | 15.47 | cps |
| Silicon | 28-1 | 291161 | 292534 | 296170 | 293288 | 0.88 | cps |
| Silver | 107-1 | 143 | 127 | 187 | 152 | 20.35 | cps |
| Silver | 109-1 | 107 | 100 | 113 | 107 | 6.25 | cps |
| Sodium | 23-2 | 14230 | 14650 | 14414 | 14431 | 1.46 | cps |
| Strontium | 86-1 | 610 | 577 | 550 | 579 | 5.19 | cps |
| Strontium | 88-1 | 2767 | 2607 | 2720 | 2698 | 3.05 | cps |
| Sulfur | 34-1 | 184691 | 183693 | 184385 | 184256 | 0.28 | cps |
| Terbium | 159-1 | 9522868 | 9556685 | 9707371 | 9595641 | 1.02 | cps |
| Terbium | 159-2 | 6522003 | 6459626 | 6491284 | 6490971 | 0.48 | cps |
| Thallium | 203-1 | 87 | 60 | 70 | 72 | 18.66 | cps |
| Thallium | 205-1 | 163 | 163 | 150 | 159 | 4.85 | cps |
| Tin | 118-1 | 1053 | 900 | 923 | 959 | 8.62 | cps |
| Titanium | 47-1 | 190 | 180 | 150 | 173 | 12.01 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB09 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB09 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:43:40 | DataFile Name : | 125CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 110 | 100 | 120 | 110 | 9.09 | cps |
| Vanadium | 51-2 | 23 | 40 | 17 | 27 | 45.07 | cps |
| Yttrium | 89-1 | 10997166 | 10989341 | 11057744 | 11014751 | 0.34 | cps |
| Yttrium | 89-2 | 2584258 | 2552094 | 2556463 | 2564272 | 0.68 | cps |
| Zinc | 66-2 | 760 | 687 | 687 | 711 | 5.95 | cps |
| Zirconium | 90-1 | 623 | 647 | 593 | 621 | 4.30 | cps |
| Zirconium | 91-1 | 147 | 140 | 123 | 137 | 8.79 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:46:57 | DataFile Name : | 126SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4134125 | 4083071 | 4061460 | 4092885 | 0.91 | cps |
| Antimony | 121-1 | 11965 | 12235 | 12819 | 12340 | 3.54 | cps |
| Arsenic | 75-2 | 9543 | 9446 | 9553 | 9514 | 0.62 | cps |
| Barium | 135-1 | 848299 | 865757 | 871796 | 861951 | 1.42 | cps |
| Barium | 137-1 | 1465722 | 1610316 | 1496580 | 1524206 | 5.00 | cps |
| Beryllium | 9-1 | 3584 | 3927 | 3847 | 3786 | 4.75 | cps |
| Bismuth | 209-1 | 5527979 | 5525274 | 5619365 | 5557539 | 0.96 | cps |
| Bismuth | 209-2 | 4739329 | 4705323 | 4767155 | 4737269 | 0.65 | cps |
| Bromine | 81-1 | 41281 | 44627 | 46356 | 44088 | 5.85 | cps |
| Bromine | 81-2 | 6511 | 6401 | 6562 | 6491 | 1.26 | cps |
| Cadmium | 108-1 | 277 | 300 | 250 | 276 | 9.08 | cps |
| Cadmium | 106-1 | 2967 | 2920 | 2744 | 2877 | 4.10 | cps |
| Cadmium | 111-1 | 4727 | 4878 | 4773 | 4792 | 1.62 | cps |
| Calcium | 43-1 | 448191 | 463326 | 463284 | 458267 | 1.90 | cps |
| Calcium | 44-1 | 6819649 | 7082204 | 7013178 | 6971677 | 1.95 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 197844 | 200383 | 196868 | 198365 | 0.91 | cps |
| Cobalt | 59-2 | 18148 | 18111 | 18388 | 18216 | 0.83 | cps |
| Copper | 63-2 | 375750 | 372409 | 370712 | 372957 | 0.69 | cps |
| Dysprosium | 156-1 | 74862 | 75636 | 76349 | 75616 | 0.98 | cps |
| Dysprosium | 156-2 | 65103 | 65274 | 64983 | 65120 | 0.22 | cps |
| Erbium | 164-1 | 55329 | 56952 | 56862 | 56381 | 1.62 | cps |
| Erbium | 164-2 | 40131 | 39232 | 39245 | 39536 | 1.30 | cps |
| Gadolinium | 160-1 | 69220 | 70674 | 70007 | 69967 | 1.04 | cps |
| Gadolinium | 160-2 | 51444 | 51230 | 51163 | 51279 | 0.29 | cps |
| Holmium | 165-1 | 9351869 | 9655638 | 9690390 | 9565966 | 1.95 | cps |
| Holmium | 165-2 | 6697022 | 6688997 | 6863652 | 6749891 | 1.46 | cps |
| Indium | 115-1 | 8190070 | 8160543 | 8285140 | 8211918 | 0.79 | cps |
| Indium | 115-2 | 2641372 | 2642090 | 2654104 | 2645855 | 0.27 | cps |
| Iron | 56-2 | 44254739 | 44909406 | 43802443 | 44322196 | 1.26 | cps |
| Iron | 57-2 | 1162363 | 1152243 | 1147726 | 1154111 | 0.65 | cps |
| Iron | 54-2 | 2492863 | 2483948 | 2453066 | 2476626 | 0.84 | cps |
| Krypton | 83-1 | 300 | 243 | 223 | 256 | 15.56 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:46:57 | DataFile Name : | 126SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1507353 | 1545958 | 1546758 | 1533356 | 1.47 | cps |
| Lead | 207-1 | 1267847 | 1306117 | 1306274 | 1293412 | 1.71 | cps |
| Lead | 208-1 | 6317430 | 6379705 | 6473764 | 6390300 | 1.23 | cps |
| Lithium | 6-1 | 1635803 | 1693187 | 1706783 | 1678591 | 2.24 | cps |
| Magnesium | 24-2 | 840268 | 827018 | 825226 | 830837 | 0.99 | cps |
| Manganese | 55-2 | 9405465 | 9380223 | 9275227 | 9353638 | 0.74 | cps |
| Molybdenum | 94-1 | 21743 | 22070 | 22007 | 21940 | 0.79 | cps |
| Molybdenum | 95-1 | 9413 | 9480 | 9426 | 9440 | 0.37 | cps |
| Molybdenum | 96-1 | 12922 | 13583 | 13386 | 13297 | 2.55 | cps |
| Molybdenum | 97-1 | 5798 | 5528 | 5644 | 5657 | 2.39 | cps |
| Molybdenum | 98-1 | 14180 | 14684 | 14177 | 14347 | 2.03 | cps |
| Neodymium | 150-1 | 142241 | 147823 | 147823 | 145962 | 2.21 | cps |
| Neodymium | 150-2 | 84797 | 84642 | 84055 | 84498 | 0.46 | cps |
| Nickel | 60-2 | 31236 | 31219 | 31463 | 31306 | 0.44 | cps |
| Phosphorus | 31-2 | 13640 | 12829 | 12719 | 13062 | 3.85 | cps |
| Potassium | 39-2 | 489072 | 486525 | 483378 | 486325 | 0.59 | cps |
| Rhodium | 103-1 | 7616004 | 7578510 | 7657094 | 7617203 | 0.52 | cps |
| Rhodium | 103-2 | 4406304 | 4399374 | 4400321 | 4402000 | 0.09 | cps |
| Scandium | 45-1 | 5326287 | 5355170 | 5395684 | 5359047 | 0.65 | cps |
| Scandium | 45-2 | 364273 | 368697 | 367243 | 366737 | 0.61 | cps |
| Selenium | 82-1 | 1020 | 1195 | 1215 | 1143 | 9.39 | cps |
| Selenium | 77-2 | 250 | 283 | 250 | 261 | 7.37 | cps |
| Selenium | 78-2 | 523 | 500 | 563 | 529 | 6.06 | cps |
| Silicon | 28-1 | 23399792 | 24035649 | 24208261 | 23881234 | 1.78 | cps |
| Silver | 107-1 | 7038 | 6982 | 7239 | 7086 | 1.90 | cps |
| Silver | 109-1 | 6645 | 6685 | 6772 | 6700 | 0.97 | cps |
| Sodium | 23-2 | 2375101 | 2329192 | 2338606 | 2347633 | 1.03 | cps |
| Strontium | 86-1 | 350370 | 359850 | 360495 | 356905 | 1.59 | cps |
| Strontium | 88-1 | 3199529 | 3169318 | 3213469 | 3194105 | 0.71 | cps |
| Sulfur | 34-1 | 287320 | 281803 | 279908 | 283011 | 1.36 | cps |
| Terbium | 159-1 | 9850377 | 9916791 | 9740456 | 9835874 | 0.91 | cps |
| Terbium | 159-2 | 6729038 | 6777858 | 6650776 | 6719224 | 0.95 | cps |
| Thallium | 203-1 | 2150 | 2230 | 2250 | 2210 | 2.39 | cps |
| Thallium | 205-1 | 5535 | 5538 | 5478 | 5517 | 0.61 | cps |
| Tin | 118-1 | 29544 | 30519 | 29961 | 30008 | 1.63 | cps |
| Titanium | 47-1 | 281867 | 287850 | 286661 | 285460 | 1.11 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:46:57 | DataFile Name : | 126SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 87075 | 89438 | 87887 | 88134 | 1.36 | cps |
| Vanadium | 51-2 | 145605 | 146341 | 145813 | 145920 | 0.26 | cps |
| Yttrium | 89-1 | 11928891 | 12014867 | 12006146 | 11983301 | 0.39 | cps |
| Yttrium | 89-2 | 2779638 | 2749805 | 2824908 | 2784784 | 1.36 | cps |
| Zinc | 66-2 | 71738 | 71021 | 70609 | 71123 | 0.80 | cps |
| Zirconium | 90-1 | 44758 | 44875 | 45998 | 45210 | 1.51 | cps |
| Zirconium | 91-1 | 10097 | 9837 | 10207 | 10047 | 1.89 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:50:08 | DataFile Name : | 127SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 828466 | 833600 | 824134 | 828733 | 0.57 | cps |
| Antimony | 121-1 | 2617 | 2647 | 2570 | 2611 | 1.48 | cps |
| Arsenic | 75-2 | 1823 | 1847 | 1957 | 1876 | 3.80 | cps |
| Barium | 135-1 | 171520 | 173252 | 174316 | 173029 | 0.82 | cps |
| Barium | 137-1 | 296903 | 299019 | 299572 | 298498 | 0.47 | cps |
| Beryllium | 9-1 | 847 | 710 | 733 | 763 | 9.58 | cps |
| Bismuth | 209-1 | 5756474 | 5773811 | 5739575 | 5756620 | 0.30 | cps |
| Bismuth | 209-2 | 4886762 | 4939000 | 4931903 | 4919221 | 0.58 | cps |
| Bromine | 81-1 | 15972 | 16206 | 16309 | 16162 | 1.07 | cps |
| Bromine | 81-2 | 1450 | 1547 | 1507 | 1501 | 3.24 | cps |
| Cadmium | 108-1 | 57 | 80 | 77 | 71 | 17.74 | cps |
| Cadmium | 106-1 | 2464 | 2380 | 2327 | 2390 | 2.88 | cps |
| Cadmium | 111-1 | 2285 | 2257 | 2118 | 2220 | 4.01 | cps |
| Calcium | 43-1 | 90294 | 90418 | 91782 | 90831 | 0.91 | cps |
| Calcium | 44-1 | 1371398 | 1386669 | 1388098 | 1382055 | 0.67 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 39495 | 40297 | 39535 | 39776 | 1.14 | cps |
| Cobalt | 59-2 | 3834 | 3784 | 3704 | 3774 | 1.74 | cps |
| Copper | 63-2 | 75198 | 75292 | 76856 | 75782 | 1.23 | cps |
| Dysprosium | 156-1 | 15205 | 14961 | 15082 | 15083 | 0.81 | cps |
| Dysprosium | 156-2 | 12616 | 12532 | 12906 | 12685 | 1.55 | cps |
| Erbium | 164-1 | 11225 | 11178 | 11218 | 11207 | 0.23 | cps |
| Erbium | 164-2 | 7669 | 7789 | 7612 | 7690 | 1.17 | cps |
| Gadolinium | 160-1 | 14010 | 13794 | 13797 | 13867 | 0.90 | cps |
| Gadolinium | 160-2 | 10537 | 10547 | 10307 | 10464 | 1.30 | cps |
| Holmium | 165-1 | 9474940 | 9590347 | 9514953 | 9526747 | 0.62 | cps |
| Holmium | 165-2 | 6797256 | 6755717 | 6763895 | 6772289 | 0.32 | cps |
| Indium | 115-1 | 8469499 | 8572449 | 8162082 | 8401344 | 2.54 | cps |
| Indium | 115-2 | 2696420 | 2621824 | 2737353 | 2685199 | 2.18 | cps |
| Iron | 56-2 | 9064096 | 8815470 | 8973487 | 8951018 | 1.41 | cps |
| Iron | 57-2 | 233582 | 226832 | 229927 | 230114 | 1.47 | cps |
| Iron | 54-2 | 509570 | 500203 | 509137 | 506303 | 1.04 | cps |
| Krypton | 83-1 | 227 | 243 | 200 | 223 | 9.79 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:50:08 | DataFile Name : | 127SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 302800 | 310341 | 309633 | 307591 | 1.35 | cps |
| Lead | 207-1 | 258632 | 261100 | 262116 | 260616 | 0.69 | cps |
| Lead | 208-1 | 1187422 | 1215600 | 1207777 | 1203600 | 1.21 | cps |
| Lithium | 6-1 | 1695019 | 1710822 | 1714604 | 1706815 | 0.61 | cps |
| Magnesium | 24-2 | 165942 | 165878 | 166551 | 166124 | 0.22 | cps |
| Manganese | 55-2 | 1856916 | 1817944 | 1839248 | 1838036 | 1.06 | cps |
| Molybdenum | 94-1 | 4494 | 4457 | 4257 | 4403 | 2.89 | cps |
| Molybdenum | 95-1 | 2027 | 1853 | 2003 | 1961 | 4.80 | cps |
| Molybdenum | 96-1 | 2774 | 2724 | 2484 | 2660 | 5.83 | cps |
| Molybdenum | 97-1 | 1203 | 1267 | 1100 | 1190 | 7.07 | cps |
| Molybdenum | 98-1 | 2987 | 2937 | 3167 | 3030 | 3.99 | cps |
| Neodymium | 150-1 | 29043 | 29588 | 29127 | 29253 | 1.00 | cps |
| Neodymium | 150-2 | 17244 | 15929 | 16843 | 16672 | 4.04 | cps |
| Nickel | 60-2 | 6308 | 6732 | 6385 | 6475 | 3.49 | cps |
| Phosphorus | 31-2 | 2654 | 2570 | 2577 | 2600 | 1.78 | cps |
| Potassium | 39-2 | 132575 | 131532 | 131452 | 131853 | 0.48 | cps |
| Rhodium | 103-1 | 7907075 | 8068858 | 7852879 | 7942937 | 1.41 | cps |
| Rhodium | 103-2 | 4526873 | 4540506 | 4506696 | 4524692 | 0.38 | cps |
| Scandium | 45-1 | 5367502 | 5380591 | 5392391 | 5380161 | 0.23 | cps |
| Scandium | 45-2 | 370133 | 364508 | 366744 | 367128 | 0.77 | cps |
| Selenium | 82-1 | 438 | 467 | 502 | 469 | 6.94 | cps |
| Selenium | 77-2 | 50 | 43 | 57 | 50 | 13.34 | cps |
| Selenium | 78-2 | 260 | 270 | 293 | 274 | 6.23 | cps |
| Silicon | 28-1 | 4984435 | 5015045 | 5120381 | 5039954 | 1.41 | cps |
| Silver | 107-1 | 1360 | 1550 | 1507 | 1472 | 6.76 | cps |
| Silver | 109-1 | 1513 | 1353 | 1330 | 1399 | 7.13 | cps |
| Sodium | 23-2 | 501437 | 500118 | 500178 | 500578 | 0.15 | cps |
| Strontium | 86-1 | 72340 | 72484 | 71302 | 72042 | 0.90 | cps |
| Strontium | 88-1 | 620384 | 627283 | 622010 | 623226 | 0.58 | cps |
| Sulfur | 34-1 | 174901 | 176074 | 175613 | 175530 | 0.34 | cps |
| Terbium | 159-1 | 10117085 | 9901469 | 9920058 | 9979537 | 1.20 | cps |
| Terbium | 159-2 | 6693963 | 6751195 | 6713810 | 6719656 | 0.43 | cps |
| Thallium | 203-1 | 463 | 473 | 560 | 499 | 10.66 | cps |
| Thallium | 205-1 | 1077 | 1067 | 1133 | 1092 | 3.29 | cps |
| Tin | 118-1 | 6642 | 7062 | 7233 | 6979 | 4.36 | cps |
| Titanium | 47-1 | 56539 | 58424 | 57730 | 57564 | 1.66 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14DLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:50:08 | DataFile Name : | 127SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 17689 | 17565 | 16954 | 17403 | 2.26 | cps |
| Vanadium | 51-2 | 28681 | 28874 | 29088 | 28881 | 0.71 | cps |
| Yttrium | 89-1 | 11240099 | 11333623 | 11256401 | 11276707 | 0.44 | cps |
| Yttrium | 89-2 | 2615248 | 2645293 | 2607570 | 2622704 | 0.76 | cps |
| Zinc | 66-2 | 14881 | 14964 | 15468 | 15104 | 2.10 | cps |
| Zirconium | 90-1 | 8979 | 9073 | 9537 | 9196 | 3.24 | cps |
| Zirconium | 91-1 | 2030 | 2124 | 2097 | 2084 | 2.31 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14DUP | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:53:21 | DataFile Name : | 128SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4045431 | 4106522 | 4012639 | 4054864 | 1.18 | cps |
| Antimony | 121-1 | 11391 | 11765 | 12405 | 11854 | 4.33 | cps |
| Arsenic | 75-2 | 9993 | 9873 | 10057 | 9975 | 0.93 | cps |
| Barium | 135-1 | 859690 | 876314 | 884911 | 873638 | 1.47 | cps |
| Barium | 137-1 | 1544570 | 1507549 | 1611684 | 1554601 | 3.40 | cps |
| Beryllium | 9-1 | 3620 | 3674 | 3770 | 3688 | 2.06 | cps |
| Bismuth | 209-1 | 5624901 | 5652706 | 5633413 | 5637006 | 0.25 | cps |
| Bismuth | 209-2 | 4840060 | 4861059 | 4821932 | 4841017 | 0.40 | cps |
| Bromine | 81-1 | 41572 | 46473 | 47817 | 45287 | 7.26 | cps |
| Bromine | 81-2 | 6895 | 6742 | 6685 | 6774 | 1.60 | cps |
| Cadmium | 108-1 | 257 | 210 | 233 | 233 | 10.00 | cps |
| Cadmium | 106-1 | 2930 | 2924 | 2920 | 2925 | 0.17 | cps |
| Cadmium | 111-1 | 4975 | 4983 | 4831 | 4930 | 1.74 | cps |
| Calcium | 43-1 | 441028 | 453239 | 459298 | 451189 | 2.06 | cps |
| Calcium | 44-1 | 6687676 | 6890931 | 6928848 | 6835818 | 1.90 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 197976 | 194883 | 197138 | 196666 | 0.81 | cps |
| Cobalt | 59-2 | 18358 | 18201 | 18685 | 18415 | 1.34 | cps |
| Copper | 63-2 | 352013 | 354463 | 352795 | 353090 | 0.35 | cps |
| Dysprosium | 156-1 | 74958 | 77060 | 78535 | 76851 | 2.34 | cps |
| Dysprosium | 156-2 | 64099 | 65529 | 64956 | 64861 | 1.11 | cps |
| Erbium | 164-1 | 55503 | 56413 | 57538 | 56485 | 1.80 | cps |
| Erbium | 164-2 | 39994 | 39115 | 39178 | 39429 | 1.24 | cps |
| Gadolinium | 160-1 | 68651 | 70486 | 70406 | 69848 | 1.49 | cps |
| Gadolinium | 160-2 | 52756 | 51357 | 50143 | 51419 | 2.54 | cps |
| Holmium | 165-1 | 9855514 | 9516211 | 9771084 | 9714270 | 1.82 | cps |
| Holmium | 165-2 | 6926808 | 6827680 | 6797580 | 6850689 | 0.99 | cps |
| Indium | 115-1 | 8298641 | 8275640 | 8464002 | 8346095 | 1.23 | cps |
| Indium | 115-2 | 2699918 | 2675728 | 2710109 | 2695252 | 0.66 | cps |
| Iron | 56-2 | 44183324 | 44527024 | 44691744 | 44467364 | 0.58 | cps |
| Iron | 57-2 | 1156227 | 1151606 | 1152644 | 1153493 | 0.21 | cps |
| Iron | 54-2 | 2504455 | 2472219 | 2461083 | 2479252 | 0.91 | cps |
| Krypton | 83-1 | 267 | 250 | 330 | 282 | 14.96 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14DUP | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:53:21 | DataFile Name : | 128SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1531293 | 1549500 | 1551806 | 1544200 | 0.73 | cps |
| Lead | 207-1 | 1283434 | 1314722 | 1307273 | 1301810 | 1.26 | cps |
| Lead | 208-1 | 6360635 | 6417503 | 6456039 | 6411392 | 0.75 | cps |
| Lithium | 6-1 | 1665159 | 1694012 | 1716544 | 1691905 | 1.52 | cps |
| Magnesium | 24-2 | 826976 | 819094 | 811205 | 819092 | 0.96 | cps |
| Manganese | 55-2 | 9296368 | 9131770 | 9295919 | 9241353 | 1.03 | cps |
| Molybdenum | 94-1 | 21242 | 21616 | 21299 | 21386 | 0.94 | cps |
| Molybdenum | 95-1 | 9530 | 9353 | 9750 | 9544 | 2.08 | cps |
| Molybdenum | 96-1 | 12626 | 13049 | 12879 | 12851 | 1.66 | cps |
| Molybdenum | 97-1 | 5718 | 5628 | 5701 | 5682 | 0.84 | cps |
| Molybdenum | 98-1 | 14667 | 14300 | 14421 | 14463 | 1.29 | cps |
| Neodymium | 150-1 | 143812 | 148903 | 151017 | 147911 | 2.50 | cps |
| Neodymium | 150-2 | 85568 | 84026 | 84284 | 84626 | 0.98 | cps |
| Nickel | 60-2 | 28006 | 28470 | 28056 | 28178 | 0.90 | cps |
| Phosphorus | 31-2 | 13286 | 12952 | 13036 | 13091 | 1.33 | cps |
| Potassium | 39-2 | 482022 | 475847 | 477627 | 478499 | 0.66 | cps |
| Rhodium | 103-1 | 7840159 | 7799367 | 7941516 | 7860347 | 0.93 | cps |
| Rhodium | 103-2 | 4482607 | 4510679 | 4400216 | 4464501 | 1.29 | cps |
| Scandium | 45-1 | 5362303 | 5395404 | 5470323 | 5409343 | 1.02 | cps |
| Scandium | 45-2 | 375959 | 372368 | 375308 | 374545 | 0.51 | cps |
| Selenium | 82-1 | 1063 | 1175 | 1071 | 1103 | 5.65 | cps |
| Selenium | 77-2 | 233 | 253 | 250 | 246 | 4.36 | cps |
| Selenium | 78-2 | 483 | 477 | 633 | 531 | 16.68 | cps |
| Silicon | 28-1 | 22811625 | 24134186 | 24180381 | 23708731 | 3.28 | cps |
| Silver | 107-1 | 7042 | 7345 | 7492 | 7293 | 3.15 | cps |
| Silver | 109-1 | 6778 | 6915 | 7022 | 6905 | 1.77 | cps |
| Sodium | 23-2 | 2319680 | 2335895 | 2308642 | 2321406 | 0.59 | cps |
| Strontium | 86-1 | 348139 | 361847 | 366746 | 358911 | 2.69 | cps |
| Strontium | 88-1 | 3082608 | 3219844 | 3235595 | 3179349 | 2.65 | cps |
| Sulfur | 34-1 | 270045 | 270237 | 269074 | 269786 | 0.23 | cps |
| Terbium | 159-1 | 10141138 | 10281139 | 10231324 | 10217867 | 0.69 | cps |
| Terbium | 159-2 | 6841944 | 6880156 | 6775624 | 6832575 | 0.77 | cps |
| Thallium | 203-1 | 2290 | 2374 | 2187 | 2284 | 4.10 | cps |
| Thallium | 205-1 | 5318 | 5394 | 5278 | 5330 | 1.11 | cps |
| Tin | 118-1 | 11621 | 11628 | 11658 | 11636 | 0.17 | cps |
| Titanium | 47-1 | 277953 | 289428 | 285482 | 284288 | 2.05 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14DUP | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-25 23:53:21 | DataFile Name : | 128SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 85851 | 89075 | 87066 | 87330 | 1.86 | cps |
| Vanadium | 51-2 | 146846 | 145783 | 146773 | 146468 | 0.41 | cps |
| Yttrium | 89-1 | 11845815 | 12080727 | 12324850 | 12083797 | 1.98 | cps |
| Yttrium | 89-2 | 2816366 | 2848579 | 2808345 | 2824430 | 0.75 | cps |
| Zinc | 66-2 | 68737 | 67137 | 67753 | 67876 | 1.19 | cps |
| Zirconium | 90-1 | 43902 | 44725 | 45473 | 44700 | 1.76 | cps |
| Zirconium | 91-1 | 9560 | 9883 | 9907 | 9783 | 1.98 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14DUPDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:56:33 | DataFile Name : | 129SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 798782 | 808502 | 799632 | 802305 | 0.67 | cps |
| Antimony | 121-1 | 2500 | 2540 | 2460 | 2500 | 1.60 | cps |
| Arsenic | 75-2 | 1767 | 1933 | 2027 | 1909 | 6.90 | cps |
| Barium | 135-1 | 167294 | 169719 | 169628 | 168880 | 0.81 | cps |
| Barium | 137-1 | 286717 | 296162 | 290343 | 291074 | 1.64 | cps |
| Beryllium | 9-1 | 720 | 767 | 853 | 780 | 8.68 | cps |
| Bismuth | 209-1 | 5725943 | 5624672 | 5551372 | 5633996 | 1.56 | cps |
| Bismuth | 209-2 | 4820913 | 4836480 | 4771963 | 4809785 | 0.70 | cps |
| Bromine | 81-1 | 16519 | 16342 | 16463 | 16441 | 0.55 | cps |
| Bromine | 81-2 | 1410 | 1390 | 1513 | 1438 | 4.60 | cps |
| Cadmium | 108-1 | 70 | 30 | 30 | 43 | 53.29 | cps |
| Cadmium | 106-1 | 2540 | 2344 | 2374 | 2419 | 4.38 | cps |
| Cadmium | 111-1 | 2406 | 2213 | 2207 | 2275 | 4.97 | cps |
| Calcium | 43-1 | 87688 | 88681 | 87883 | 88084 | 0.60 | cps |
| Calcium | 44-1 | 1361852 | 1361194 | 1366837 | 1363294 | 0.23 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 38459 | 38439 | 38476 | 38458 | 0.05 | cps |
| Cobalt | 59-2 | 3497 | 3837 | 3724 | 3686 | 4.70 | cps |
| Copper | 63-2 | 70575 | 69614 | 69665 | 69951 | 0.77 | cps |
| Dysprosium | 156-1 | 14394 | 14745 | 14544 | 14561 | 1.21 | cps |
| Dysprosium | 156-2 | 12552 | 12289 | 12743 | 12528 | 1.82 | cps |
| Erbium | 164-1 | 11128 | 10991 | 11321 | 11147 | 1.49 | cps |
| Erbium | 164-2 | 7299 | 7619 | 7696 | 7538 | 2.79 | cps |
| Gadolinium | 160-1 | 13677 | 13540 | 13740 | 13652 | 0.75 | cps |
| Gadolinium | 160-2 | 9837 | 10087 | 10030 | 9985 | 1.31 | cps |
| Holmium | 165-1 | 9568292 | 9516917 | 9562000 | 9549070 | 0.29 | cps |
| Holmium | 165-2 | 6736597 | 6737169 | 6809780 | 6761182 | 0.62 | cps |
| Indium | 115-1 | 8353909 | 8251642 | 8232889 | 8279480 | 0.79 | cps |
| Indium | 115-2 | 2702838 | 2669696 | 2657496 | 2676676 | 0.88 | cps |
| Iron | 56-2 | 8664461 | 8766218 | 8692415 | 8707698 | 0.60 | cps |
| Iron | 57-2 | 227649 | 225637 | 226295 | 226527 | 0.45 | cps |
| Iron | 54-2 | 493814 | 493551 | 491131 | 492832 | 0.30 | cps |
| Krypton | 83-1 | 183 | 217 | 257 | 219 | 16.77 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14DUPDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:56:33 | DataFile Name : | 129SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 300072 | 300613 | 299714 | 300133 | 0.15 | cps |
| Lead | 207-1 | 250710 | 256897 | 252353 | 253320 | 1.27 | cps |
| Lead | 208-1 | 1169441 | 1170833 | 1172357 | 1170877 | 0.12 | cps |
| Lithium | 6-1 | 1697323 | 1644117 | 1674320 | 1671920 | 1.60 | cps |
| Magnesium | 24-2 | 160147 | 158177 | 158328 | 158884 | 0.69 | cps |
| Manganese | 55-2 | 1830253 | 1824606 | 1810933 | 1821931 | 0.55 | cps |
| Molybdenum | 94-1 | 4011 | 4507 | 4367 | 4295 | 5.96 | cps |
| Molybdenum | 95-1 | 1870 | 1790 | 1947 | 1869 | 4.19 | cps |
| Molybdenum | 96-1 | 2714 | 2554 | 2560 | 2609 | 3.47 | cps |
| Molybdenum | 97-1 | 1163 | 1020 | 1060 | 1081 | 6.84 | cps |
| Molybdenum | 98-1 | 2887 | 2860 | 2734 | 2827 | 2.90 | cps |
| Neodymium | 150-1 | 28115 | 28783 | 28379 | 28425 | 1.18 | cps |
| Neodymium | 150-2 | 16370 | 16610 | 16153 | 16377 | 1.40 | cps |
| Nickel | 60-2 | 5511 | 5855 | 5641 | 5669 | 3.06 | cps |
| Phosphorus | 31-2 | 2597 | 2457 | 2387 | 2480 | 4.31 | cps |
| Potassium | 39-2 | 128588 | 128033 | 128137 | 128252 | 0.23 | cps |
| Rhodium | 103-1 | 7868353 | 7788857 | 7837807 | 7831673 | 0.51 | cps |
| Rhodium | 103-2 | 4502696 | 4539576 | 4497906 | 4513393 | 0.51 | cps |
| Scandium | 45-1 | 5368413 | 5330393 | 5375013 | 5357940 | 0.45 | cps |
| Scandium | 45-2 | 365808 | 364492 | 363134 | 364478 | 0.37 | cps |
| Selenium | 82-1 | 578 | 518 | 459 | 519 | 11.48 | cps |
| Selenium | 77-2 | 50 | 37 | 30 | 39 | 26.18 | cps |
| Selenium | 78-2 | 300 | 257 | 247 | 268 | 10.59 | cps |
| Silicon | 28-1 | 4820278 | 4852128 | 5115262 | 4929223 | 3.28 | cps |
| Silver | 107-1 | 1547 | 1433 | 1423 | 1468 | 4.67 | cps |
| Silver | 109-1 | 1373 | 1343 | 1427 | 1381 | 3.06 | cps |
| Sodium | 23-2 | 477482 | 472708 | 478100 | 476097 | 0.62 | cps |
| Strontium | 86-1 | 70558 | 71509 | 70401 | 70823 | 0.85 | cps |
| Strontium | 88-1 | 603434 | 604678 | 606277 | 604796 | 0.24 | cps |
| Sulfur | 34-1 | 164654 | 165121 | 164650 | 164808 | 0.16 | cps |
| Terbium | 159-1 | 10261349 | 9996875 | 9858864 | 10039029 | 2.04 | cps |
| Terbium | 159-2 | 6757260 | 6686696 | 6560552 | 6668169 | 1.49 | cps |
| Thallium | 203-1 | 467 | 467 | 513 | 482 | 5.59 | cps |
| Thallium | 205-1 | 1007 | 1113 | 1010 | 1043 | 5.81 | cps |
| Tin | 118-1 | 3014 | 2894 | 2954 | 2954 | 2.03 | cps |
| Titanium | 47-1 | 55695 | 58019 | 56003 | 56572 | 2.23 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14DUPDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:56:33 | DataFile Name : | 129SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 17154 | 16614 | 17054 | 16941 | 1.70 | cps |
| Vanadium | 51-2 | 28190 | 28767 | 27702 | 28220 | 1.89 | cps |
| Yttrium | 89-1 | 11527584 | 11282092 | 11224660 | 11344779 | 1.42 | cps |
| Yttrium | 89-2 | 2629089 | 2620563 | 2672582 | 2640745 | 1.06 | cps |
| Zinc | 66-2 | 13626 | 13693 | 13186 | 13502 | 2.04 | cps |
| Zirconium | 90-1 | 8566 | 8909 | 8779 | 8752 | 1.98 | cps |
| Zirconium | 91-1 | 1967 | 1763 | 1930 | 1887 | 5.74 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:59:46 | DataFile Name : | 130SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 773880 | 764469 | 766772 | 768374 | 0.64 | cps |
| Antimony | 121-1 | 2330 | 2530 | 2324 | 2395 | 4.91 | cps |
| Arsenic | 75-2 | 1713 | 1780 | 1597 | 1697 | 5.47 | cps |
| Barium | 135-1 | 160294 | 161009 | 162547 | 161284 | 0.71 | cps |
| Barium | 137-1 | 277639 | 279989 | 280101 | 279243 | 0.50 | cps |
| Beryllium | 9-1 | 610 | 617 | 680 | 636 | 6.08 | cps |
| Bismuth | 209-1 | 5682175 | 5576326 | 5729148 | 5662550 | 1.38 | cps |
| Bismuth | 209-2 | 4859956 | 4913401 | 4886533 | 4886630 | 0.55 | cps |
| Bromine | 81-1 | 14564 | 15799 | 15445 | 15269 | 4.16 | cps |
| Bromine | 81-2 | 1283 | 1370 | 1323 | 1326 | 3.27 | cps |
| Cadmium | 108-1 | 57 | 43 | 53 | 51 | 13.58 | cps |
| Cadmium | 106-1 | 2417 | 2434 | 2154 | 2335 | 6.73 | cps |
| Cadmium | 111-1 | 2292 | 2310 | 2037 | 2213 | 6.90 | cps |
| Calcium | 43-1 | 83461 | 84112 | 84263 | 83945 | 0.51 | cps |
| Calcium | 44-1 | 1265686 | 1309087 | 1285887 | 1286887 | 1.69 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 37122 | 37159 | 37039 | 37107 | 0.17 | cps |
| Cobalt | 59-2 | 3370 | 3567 | 3360 | 3433 | 3.40 | cps |
| Copper | 63-2 | 68968 | 67655 | 67712 | 68112 | 1.09 | cps |
| Dysprosium | 156-1 | 13994 | 14564 | 14207 | 14255 | 2.02 | cps |
| Dysprosium | 156-2 | 11662 | 11782 | 11975 | 11806 | 1.34 | cps |
| Erbium | 164-1 | 10401 | 10207 | 10444 | 10351 | 1.22 | cps |
| Erbium | 164-2 | 7162 | 6975 | 7545 | 7228 | 4.02 | cps |
| Gadolinium | 160-1 | 12759 | 13166 | 12993 | 12973 | 1.57 | cps |
| Gadolinium | 160-2 | 9864 | 9733 | 9737 | 9778 | 0.76 | cps |
| Holmium | 165-1 | 9822096 | 9548008 | 9423870 | 9597992 | 2.12 | cps |
| Holmium | 165-2 | 6668809 | 6693972 | 6711434 | 6691405 | 0.32 | cps |
| Indium | 115-1 | 8423695 | 8475066 | 8508081 | 8468947 | 0.50 | cps |
| Indium | 115-2 | 2699479 | 2683812 | 2660985 | 2681426 | 0.72 | cps |
| Iron | 56-2 | 8219929 | 8266084 | 8291124 | 8259046 | 0.44 | cps |
| Iron | 57-2 | 217031 | 216473 | 216435 | 216646 | 0.15 | cps |
| Iron | 54-2 | 474253 | 473228 | 473439 | 473640 | 0.11 | cps |
| Krypton | 83-1 | 190 | 147 | 170 | 169 | 12.84 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:59:46 | DataFile Name : | 130SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 285108 | 287784 | 285572 | 286155 | 0.50 | cps |
| Lead | 207-1 | 241694 | 243729 | 243115 | 242846 | 0.43 | cps |
| Lead | 208-1 | 1110267 | 1119809 | 1120848 | 1116974 | 0.52 | cps |
| Lithium | 6-1 | 1636146 | 1625957 | 1663520 | 1641874 | 1.18 | cps |
| Magnesium | 24-2 | 153057 | 153420 | 152323 | 152933 | 0.37 | cps |
| Manganese | 55-2 | 1736248 | 1723024 | 1692811 | 1717361 | 1.30 | cps |
| Molybdenum | 94-1 | 4011 | 4201 | 4121 | 4111 | 2.32 | cps |
| Molybdenum | 95-1 | 1747 | 1897 | 1863 | 1836 | 4.29 | cps |
| Molybdenum | 96-1 | 2554 | 2494 | 2467 | 2505 | 1.77 | cps |
| Molybdenum | 97-1 | 1133 | 1043 | 1123 | 1100 | 4.48 | cps |
| Molybdenum | 98-1 | 2694 | 2830 | 2647 | 2724 | 3.50 | cps |
| Neodymium | 150-1 | 27163 | 26983 | 26819 | 26988 | 0.64 | cps |
| Neodymium | 150-2 | 15515 | 15592 | 15185 | 15431 | 1.40 | cps |
| Nickel | 60-2 | 5531 | 5711 | 5761 | 5668 | 2.14 | cps |
| Phosphorus | 31-2 | 2534 | 2394 | 2520 | 2482 | 3.11 | cps |
| Potassium | 39-2 | 126561 | 125663 | 126325 | 126183 | 0.37 | cps |
| Rhodium | 103-1 | 8042856 | 7994537 | 7886618 | 7974670 | 1.00 | cps |
| Rhodium | 103-2 | 4514925 | 4488239 | 4528821 | 4510662 | 0.46 | cps |
| Scandium | 45-1 | 5217300 | 5204323 | 5278738 | 5233454 | 0.76 | cps |
| Scandium | 45-2 | 367312 | 365292 | 365373 | 365992 | 0.31 | cps |
| Selenium | 82-1 | 495 | 518 | 576 | 529 | 7.85 | cps |
| Selenium | 77-2 | 40 | 47 | 43 | 43 | 7.70 | cps |
| Selenium | 78-2 | 300 | 270 | 290 | 287 | 5.33 | cps |
| Silicon | 28-1 | 4580355 | 4692024 | 4624404 | 4632261 | 1.21 | cps |
| Silver | 107-1 | 1293 | 1393 | 1423 | 1370 | 4.97 | cps |
| Silver | 109-1 | 1300 | 1303 | 1353 | 1319 | 2.27 | cps |
| Sodium | 23-2 | 462953 | 461016 | 463838 | 462602 | 0.31 | cps |
| Strontium | 86-1 | 65776 | 67159 | 67691 | 66876 | 1.48 | cps |
| Strontium | 88-1 | 580351 | 582704 | 587920 | 583658 | 0.66 | cps |
| Sulfur | 34-1 | 164653 | 165388 | 164097 | 164712 | 0.39 | cps |
| Terbium | 159-1 | 9857812 | 9945482 | 10198033 | 10000442 | 1.77 | cps |
| Terbium | 159-2 | 6722767 | 6778722 | 6798419 | 6766636 | 0.58 | cps |
| Thallium | 203-1 | 450 | 427 | 397 | 424 | 6.30 | cps |
| Thallium | 205-1 | 883 | 1163 | 1057 | 1034 | 13.66 | cps |
| Tin | 118-1 | 4614 | 4948 | 4901 | 4821 | 3.75 | cps |
| Titanium | 47-1 | 51327 | 53491 | 52842 | 52553 | 2.11 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-25 23:59:46 | DataFile Name : | 130SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 16120 | 16450 | 15910 | 16160 | 1.69 | cps |
| Vanadium | 51-2 | 27398 | 27358 | 27094 | 27284 | 0.61 | cps |
| Yttrium | 89-1 | 11359103 | 11340617 | 11490595 | 11396772 | 0.72 | cps |
| Yttrium | 89-2 | 2632447 | 2598001 | 2606559 | 2612336 | 0.69 | cps |
| Zinc | 66-2 | 14194 | 13963 | 13730 | 13962 | 1.66 | cps |
| Zirconium | 90-1 | 8362 | 8459 | 8412 | 8411 | 0.57 | cps |
| Zirconium | 91-1 | 1847 | 1837 | 1863 | 1849 | 0.73 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14LDLX25 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 25 |
| Date & Time Acquired :: | 2024-08-26 00:03:01 | DataFile Name : | 131SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 170901 | 168535 | 168427 | 169288 | 0.83 | cps |
| Antimony | 121-1 | 623 | 593 | 507 | 574 | 10.55 | cps |
| Arsenic | 75-2 | 417 | 417 | 343 | 392 | 10.80 | cps |
| Barium | 135-1 | 35307 | 35895 | 35364 | 35522 | 0.91 | cps |
| Barium | 137-1 | 60069 | 62918 | 62125 | 61704 | 2.38 | cps |
| Beryllium | 9-1 | 190 | 193 | 207 | 197 | 4.48 | cps |
| Bismuth | 209-1 | 5835435 | 5760803 | 5611685 | 5735974 | 1.99 | cps |
| Bismuth | 209-2 | 4948261 | 4791422 | 4885221 | 4874968 | 1.62 | cps |
| Bromine | 81-1 | 10190 | 9590 | 9877 | 9886 | 3.04 | cps |
| Bromine | 81-2 | 423 | 387 | 413 | 408 | 4.65 | cps |
| Cadmium | 108-1 | 17 | 10 | 23 | 17 | 39.99 | cps |
| Cadmium | 106-1 | 2537 | 2350 | 2340 | 2409 | 4.60 | cps |
| Cadmium | 111-1 | 1894 | 1841 | 1785 | 1840 | 2.96 | cps |
| Calcium | 43-1 | 18178 | 19423 | 18375 | 18658 | 3.59 | cps |
| Calcium | 44-1 | 312219 | 311183 | 311661 | 311688 | 0.17 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 8356 | 8296 | 8402 | 8351 | 0.64 | cps |
| Cobalt | 59-2 | 830 | 790 | 773 | 798 | 3.65 | cps |
| Copper | 63-2 | 16219 | 16623 | 16055 | 16299 | 1.79 | cps |
| Dysprosium | 156-1 | 3077 | 3067 | 3037 | 3060 | 0.68 | cps |
| Dysprosium | 156-2 | 2537 | 2520 | 2550 | 2536 | 0.59 | cps |
| Erbium | 164-1 | 2257 | 2384 | 2310 | 2317 | 2.75 | cps |
| Erbium | 164-2 | 1623 | 1457 | 1490 | 1523 | 5.79 | cps |
| Gadolinium | 160-1 | 2894 | 2827 | 2814 | 2845 | 1.51 | cps |
| Gadolinium | 160-2 | 2527 | 2464 | 2250 | 2414 | 6.01 | cps |
| Holmium | 165-1 | 9582513 | 9402825 | 9316507 | 9433948 | 1.44 | cps |
| Holmium | 165-2 | 6723024 | 6638804 | 6744013 | 6701947 | 0.83 | cps |
| Indium | 115-1 | 8354785 | 8463441 | 8244256 | 8354161 | 1.31 | cps |
| Indium | 115-2 | 2730212 | 2651687 | 2724759 | 2702219 | 1.62 | cps |
| Iron | 56-2 | 1856754 | 1850352 | 1820483 | 1842530 | 1.05 | cps |
| Iron | 57-2 | 49993 | 48080 | 49261 | 49111 | 1.97 | cps |
| Iron | 54-2 | 104611 | 105342 | 103516 | 104490 | 0.88 | cps |
| Krypton | 83-1 | 230 | 213 | 170 | 204 | 15.15 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14LDLX25 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 25 |
| Date & Time Acquired :: | 2024-08-26 00:03:01 | DataFile Name : | 131SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 62372 | 62509 | 62667 | 62516 | 0.24 | cps |
| Lead | 207-1 | 52832 | 52601 | 52836 | 52756 | 0.25 | cps |
| Lead | 208-1 | 244298 | 244914 | 246894 | 245369 | 0.55 | cps |
| Lithium | 6-1 | 1635546 | 1688816 | 1614846 | 1646402 | 2.32 | cps |
| Magnesium | 24-2 | 33453 | 33921 | 33901 | 33758 | 0.78 | cps |
| Manganese | 55-2 | 381596 | 382814 | 380355 | 381588 | 0.32 | cps |
| Molybdenum | 94-1 | 1147 | 960 | 1037 | 1048 | 8.96 | cps |
| Molybdenum | 95-1 | 453 | 460 | 503 | 472 | 5.75 | cps |
| Molybdenum | 96-1 | 543 | 597 | 673 | 604 | 10.81 | cps |
| Molybdenum | 97-1 | 293 | 290 | 230 | 271 | 13.15 | cps |
| Molybdenum | 98-1 | 760 | 653 | 607 | 673 | 11.67 | cps |
| Neodymium | 150-1 | 6161 | 6021 | 5868 | 6017 | 2.44 | cps |
| Neodymium | 150-2 | 3430 | 3490 | 3254 | 3392 | 3.63 | cps |
| Nickel | 60-2 | 1403 | 1437 | 1447 | 1429 | 1.59 | cps |
| Phosphorus | 31-2 | 633 | 603 | 710 | 649 | 8.48 | cps |
| Potassium | 39-2 | 61862 | 61701 | 61888 | 61817 | 0.16 | cps |
| Rhodium | 103-1 | 7766505 | 7860651 | 7846142 | 7824432 | 0.65 | cps |
| Rhodium | 103-2 | 4612335 | 4556858 | 4517469 | 4562220 | 1.04 | cps |
| Scandium | 45-1 | 5334793 | 5279228 | 5137672 | 5250565 | 1.94 | cps |
| Scandium | 45-2 | 366541 | 362247 | 365582 | 364790 | 0.62 | cps |
| Selenium | 82-1 | 326 | 390 | 450 | 389 | 15.99 | cps |
| Selenium | 77-2 | 17 | 7 | 10 | 11 | 45.82 | cps |
| Selenium | 78-2 | 213 | 217 | 250 | 227 | 8.94 | cps |
| Silicon | 28-1 | 1280881 | 1275149 | 1272554 | 1276195 | 0.33 | cps |
| Silver | 107-1 | 360 | 380 | 343 | 361 | 5.08 | cps |
| Silver | 109-1 | 293 | 353 | 300 | 316 | 10.42 | cps |
| Sodium | 23-2 | 110023 | 110087 | 109764 | 109958 | 0.16 | cps |
| Strontium | 86-1 | 14467 | 14838 | 14801 | 14702 | 1.39 | cps |
| Strontium | 88-1 | 128213 | 128960 | 130251 | 129141 | 0.80 | cps |
| Sulfur | 34-1 | 148958 | 148506 | 147935 | 148467 | 0.35 | cps |
| Terbium | 159-1 | 9742033 | 9888212 | 9859746 | 9829997 | 0.79 | cps |
| Terbium | 159-2 | 6619306 | 6600472 | 6575912 | 6598563 | 0.33 | cps |
| Thallium | 203-1 | 113 | 120 | 83 | 106 | 18.51 | cps |
| Thallium | 205-1 | 247 | 273 | 257 | 259 | 5.20 | cps |
| Tin | 118-1 | 1913 | 1893 | 1800 | 1869 | 3.24 | cps |
| Titanium | 47-1 | 11718 | 11611 | 11595 | 11641 | 0.58 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14LDLX25 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 25 |
| Date & Time Acquired :: | 2024-08-26 00:03:01 | DataFile Name : | 131SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 3480 | 3374 | 3584 | 3479 | 3.02 | cps |
| Vanadium | 51-2 | 5905 | 6065 | 6125 | 6031 | 1.89 | cps |
| Yttrium | 89-1 | 11521455 | 11088034 | 11116187 | 11241892 | 2.16 | cps |
| Yttrium | 89-2 | 2620383 | 2592996 | 2574428 | 2595936 | 0.89 | cps |
| Zinc | 66-2 | 3404 | 3704 | 3467 | 3525 | 4.49 | cps |
| Zirconium | 90-1 | 2120 | 2184 | 2120 | 2141 | 1.71 | cps |
| Zirconium | 91-1 | 407 | 470 | 477 | 451 | 8.56 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MS | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:06:16 | DataFile Name : | 132SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4666248 | 4758728 | 4713026 | 4712668 | 0.98 | cps |
| Antimony | 121-1 | 3545125 | 3629665 | 3679286 | 3618025 | 1.87 | cps |
| Arsenic | 75-2 | 190769 | 191681 | 189838 | 190763 | 0.48 | cps |
| Barium | 135-1 | 4756819 | 4783572 | 4918498 | 4819630 | 1.80 | cps |
| Barium | 137-1 | 8133145 | 8333112 | 8401837 | 8289364 | 1.68 | cps |
| Beryllium | 9-1 | 705327 | 707617 | 734137 | 715694 | 2.24 | cps |
| Bismuth | 209-1 | 5527667 | 5515596 | 5586357 | 5543207 | 0.68 | cps |
| Bismuth | 209-2 | 4638662 | 4863910 | 4814669 | 4772414 | 2.48 | cps |
| Bromine | 81-1 | 39212 | 42030 | 44189 | 41810 | 5.97 | cps |
| Bromine | 81-2 | 6178 | 6421 | 6231 | 6277 | 2.04 | cps |
| Cadmium | 108-1 | 64011 | 65648 | 66059 | 65239 | 1.66 | cps |
| Cadmium | 106-1 | 92814 | 94935 | 96504 | 94751 | 1.95 | cps |
| Cadmium | 111-1 | 871597 | 897695 | 894073 | 887789 | 1.59 | cps |
| Calcium | 43-1 | 1451797 | 1479387 | 1506535 | 1479240 | 1.85 | cps |
| Calcium | 44-1 | 21805195 | 22658143 | 22136789 | 22200042 | 1.94 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1404742 | 1396068 | 1381463 | 1394091 | 0.84 | cps |
| Cobalt | 59-2 | 2012533 | 2017261 | 2048444 | 2026080 | 0.96 | cps |
| Copper | 63-2 | 13137068 | 13281444 | 13475373 | 13297962 | 1.28 | cps |
| Dysprosium | 156-1 | 69581 | 71233 | 69708 | 70174 | 1.31 | cps |
| Dysprosium | 156-2 | 59529 | 58792 | 59569 | 59297 | 0.74 | cps |
| Erbium | 164-1 | 50173 | 52689 | 52468 | 51777 | 2.69 | cps |
| Erbium | 164-2 | 36872 | 36795 | 36621 | 36763 | 0.35 | cps |
| Gadolinium | 160-1 | 63393 | 65331 | 65418 | 64714 | 1.77 | cps |
| Gadolinium | 160-2 | 46337 | 47604 | 47547 | 47163 | 1.52 | cps |
| Holmium | 165-1 | 9629789 | 9870783 | 9743557 | 9748043 | 1.24 | cps |
| Holmium | 165-2 | 6669400 | 6864777 | 6950484 | 6828220 | 2.11 | cps |
| Indium | 115-1 | 8071415 | 8335304 | 8125963 | 8177561 | 1.70 | cps |
| Indium | 115-2 | 2619105 | 2596871 | 2566153 | 2594043 | 1.02 | cps |
| Iron | 56-2 | 90201469 | 92017445 | 93917589 | 92045501 | 2.02 | cps |
| Iron | 57-2 | 2270183 | 2338711 | 2358645 | 2322513 | 2.00 | cps |
| Iron | 54-2 | 5068774 | 5022694 | 5050336 | 5047268 | 0.46 | cps |
| Krypton | 83-1 | 297 | 297 | 250 | 281 | 9.59 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MS | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:06:16 | DataFile Name : | 132SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 12251545 | 12597132 | 12605112 | 12484596 | 1.62 | cps |
| Lead | 207-1 | 10739664 | 11005016 | 11060214 | 10934965 | 1.57 | cps |
| Lead | 208-1 | 49311307 | 49295721 | 49967458 | 49524829 | 0.77 | cps |
| Lithium | 6-1 | 1654509 | 1672723 | 1661677 | 1662970 | 0.55 | cps |
| Magnesium | 24-2 | 10731352 | 10920107 | 11028322 | 10893260 | 1.38 | cps |
| Manganese | 55-2 | 16708102 | 16850289 | 16543891 | 16700761 | 0.92 | cps |
| Molybdenum | 94-1 | 15355416 | 15880722 | 15385990 | 15540709 | 1.90 | cps |
| Molybdenum | 95-1 | 22977567 | 24103429 | 23623743 | 23568246 | 2.40 | cps |
| Molybdenum | 96-1 | 25008770 | 25484651 | 25728337 | 25407253 | 1.44 | cps |
| Molybdenum | 97-1 | 14479586 | 14683061 | 14673427 | 14612025 | 0.79 | cps |
| Molybdenum | 98-1 | 37157600 | 37657675 | 38160056 | 37658444 | 1.33 | cps |
| Neodymium | 150-1 | 131161 | 135804 | 134800 | 133922 | 1.82 | cps |
| Neodymium | 150-2 | 77411 | 77921 | 76640 | 77324 | 0.83 | cps |
| Nickel | 60-2 | 509003 | 512564 | 512440 | 511336 | 0.40 | cps |
| Phosphorus | 31-2 | 11821 | 11728 | 11988 | 11846 | 1.11 | cps |
| Potassium | 39-2 | 6562471 | 6595876 | 6483405 | 6547251 | 0.88 | cps |
| Rhodium | 103-1 | 7490066 | 7588598 | 7541367 | 7540011 | 0.65 | cps |
| Rhodium | 103-2 | 4305736 | 4363020 | 4298630 | 4322462 | 0.82 | cps |
| Scandium | 45-1 | 5277714 | 5412992 | 5333630 | 5341445 | 1.27 | cps |
| Scandium | 45-2 | 364765 | 361859 | 365834 | 364153 | 0.56 | cps |
| Selenium | 82-1 | 59227 | 61265 | 60274 | 60255 | 1.69 | cps |
| Selenium | 77-2 | 5468 | 5068 | 5134 | 5223 | 4.10 | cps |
| Selenium | 78-2 | 16696 | 16613 | 16770 | 16693 | 0.47 | cps |
| Silicon | 28-1 | 23791805 | 23579829 | 23960842 | 23777492 | 0.80 | cps |
| Silver | 107-1 | 2144476 | 2993303 | 3134177 | 2757319 | 19.42 | cps |
| Silver | 109-1 | 2394073 | 2579013 | 2977924 | 2650337 | 11.26 | cps |
| Sodium | 23-2 | 17408444 | 17979958 | 17799518 | 17729307 | 1.65 | cps |
| Strontium | 86-1 | 25312820 | 25716142 | 25515294 | 25514752 | 0.79 | cps |
| Strontium | 88-1 | 221542090 | 224059810 | 225522823 | 223708241 | 0.90 | cps |
| Sulfur | 34-1 | 268202 | 265900 | 265172 | 266425 | 0.59 | cps |
| Terbium | 159-1 | 9964372 | 10116860 | 10017041 | 10032758 | 0.77 | cps |
| Terbium | 159-2 | 6708290 | 6804653 | 6763344 | 6758762 | 0.72 | cps |
| Thallium | 203-1 | 2890524 | 2938271 | 2919322 | 2916039 | 0.82 | cps |
| Thallium | 205-1 | 6776910 | 6893105 | 6970806 | 6880274 | 1.42 | cps |
| Tin | 118-1 | 2512448 | 2641893 | 2623177 | 2592506 | 2.70 | cps |
| Titanium | 47-1 | 5564638 | 5826250 | 5825074 | 5738654 | 2.63 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MS | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:06:16 | DataFile Name : | 132SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8751966 | 8785601 | 8660232 | 8732600 | 0.74 | cps |
| Vanadium | 51-2 | 1277258 | 1269653 | 1288549 | 1278486 | 0.74 | cps |
| Yttrium | 89-1 | 12123683 | 11978416 | 12146099 | 12082732 | 0.75 | cps |
| Yttrium | 89-2 | 2756228 | 2784121 | 2802689 | 2781012 | 0.84 | cps |
| Zinc | 66-2 | 2281737 | 2254429 | 2282446 | 2272871 | 0.70 | cps |
| Zirconium | 90-1 | 6216745 | 6310198 | 6299302 | 6275415 | 0.81 | cps |
| Zirconium | 91-1 | 1373598 | 1402653 | 1395589 | 1390613 | 1.09 | cps |

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MSDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-26 00:09:03 | DataFile Name : | 133SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 949831 | 934290 | 942377 | 942166 | 0.82 | cps |
| Antimony | 121-1 | 679412 | 681385 | 690495 | 683764 | 0.86 | cps |
| Arsenic | 75-2 | 37070 | 36451 | 36963 | 36828 | 0.90 | cps |
| Barium | 135-1 | 897596 | 901702 | 909133 | 902811 | 0.65 | cps |
| Barium | 137-1 | 1642580 | 1669587 | 1664075 | 1658747 | 0.86 | cps |
| Beryllium | 9-1 | 141207 | 141299 | 142410 | 141639 | 0.47 | cps |
| Bismuth | 209-1 | 5832521 | 5810294 | 5877122 | 5839979 | 0.58 | cps |
| Bismuth | 209-2 | 5001873 | 4926825 | 4883369 | 4937356 | 1.21 | cps |
| Bromine | 81-1 | 15789 | 15522 | 16286 | 15865 | 2.44 | cps |
| Bromine | 81-2 | 1390 | 1327 | 1227 | 1315 | 6.27 | cps |
| Cadmium | 108-1 | 13580 | 13133 | 13663 | 13459 | 2.12 | cps |
| Cadmium | 106-1 | 20518 | 21045 | 20962 | 20842 | 1.36 | cps |
| Cadmium | 111-1 | 178974 | 181886 | 182800 | 181220 | 1.10 | cps |
| Calcium | 43-1 | 302507 | 302046 | 305719 | 303424 | 0.66 | cps |
| Calcium | 44-1 | 4412523 | 4461719 | 4498542 | 4457595 | 0.97 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 277154 | 272519 | 274450 | 274708 | 0.85 | cps |
| Cobalt | 59-2 | 397509 | 390214 | 396357 | 394693 | 0.99 | cps |
| Copper | 63-2 | 2706243 | 2657108 | 2662893 | 2675415 | 1.00 | cps |
| Dysprosium | 156-1 | 13713 | 14024 | 14117 | 13951 | 1.51 | cps |
| Dysprosium | 156-2 | 11915 | 11291 | 11685 | 11630 | 2.71 | cps |
| Erbium | 164-1 | 10224 | 10060 | 10304 | 10196 | 1.22 | cps |
| Erbium | 164-2 | 7075 | 7069 | 7192 | 7112 | 0.98 | cps |
| Gadolinium | 160-1 | 12596 | 13039 | 12622 | 12753 | 1.95 | cps |
| Gadolinium | 160-2 | 9567 | 9363 | 9880 | 9603 | 2.71 | cps |
| Holmium | 165-1 | 9871584 | 9796304 | 9868381 | 9845423 | 0.43 | cps |
| Holmium | 165-2 | 6911291 | 6823506 | 6828614 | 6854470 | 0.72 | cps |
| Indium | 115-1 | 8655377 | 8458828 | 8624968 | 8579725 | 1.23 | cps |
| Indium | 115-2 | 2674436 | 2594871 | 2701141 | 2656816 | 2.08 | cps |
| Iron | 56-2 | 18347775 | 18149598 | 18079522 | 18192298 | 0.76 | cps |
| Iron | 57-2 | 478207 | 477674 | 474146 | 476676 | 0.46 | cps |
| Iron | 54-2 | 1050650 | 1030852 | 1039648 | 1040384 | 0.95 | cps |
| Krypton | 83-1 | 197 | 223 | 230 | 217 | 8.14 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MSDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-26 00:09:03 | DataFile Name : | 133SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2460620 | 2519506 | 2535688 | 2505271 | 1.58 | cps |
| Lead | 207-1 | 2168844 | 2185465 | 2256989 | 2203766 | 2.13 | cps |
| Lead | 208-1 | 9877929 | 9983161 | 10190896 | 10017329 | 1.59 | cps |
| Lithium | 6-1 | 1711379 | 1733407 | 1757557 | 1734114 | 1.33 | cps |
| Magnesium | 24-2 | 2156996 | 2109121 | 2159000 | 2141706 | 1.32 | cps |
| Manganese | 55-2 | 3367625 | 3237897 | 3309880 | 3305134 | 1.97 | cps |
| Molybdenum | 94-1 | 3128315 | 3039055 | 3110799 | 3092723 | 1.53 | cps |
| Molybdenum | 95-1 | 4585217 | 4644369 | 4655153 | 4628246 | 0.81 | cps |
| Molybdenum | 96-1 | 4961528 | 5091363 | 5034397 | 5029096 | 1.29 | cps |
| Molybdenum | 97-1 | 2916330 | 2870213 | 2904776 | 2897106 | 0.83 | cps |
| Molybdenum | 98-1 | 7382794 | 7284535 | 7536682 | 7401337 | 1.72 | cps |
| Neodymium | 150-1 | 26759 | 26305 | 26802 | 26622 | 1.04 | cps |
| Neodymium | 150-2 | 14998 | 14811 | 14801 | 14870 | 0.75 | cps |
| Nickel | 60-2 | 103122 | 102155 | 103145 | 102807 | 0.55 | cps |
| Phosphorus | 31-2 | 2517 | 2434 | 2327 | 2426 | 3.93 | cps |
| Potassium | 39-2 | 1301184 | 1283911 | 1302312 | 1295802 | 0.80 | cps |
| Rhodium | 103-1 | 8049277 | 7897811 | 8009415 | 7985501 | 0.98 | cps |
| Rhodium | 103-2 | 4500029 | 4456728 | 4516364 | 4491040 | 0.69 | cps |
| Scandium | 45-1 | 5275332 | 5448643 | 5443332 | 5389102 | 1.83 | cps |
| Scandium | 45-2 | 361067 | 359827 | 361628 | 360841 | 0.26 | cps |
| Selenium | 82-1 | 11868 | 12328 | 11928 | 12041 | 2.08 | cps |
| Selenium | 77-2 | 960 | 1040 | 1000 | 1000 | 4.00 | cps |
| Selenium | 78-2 | 3237 | 3310 | 3524 | 3357 | 4.44 | cps |
| Silicon | 28-1 | 5064747 | 4845529 | 5200773 | 5037016 | 3.56 | cps |
| Silver | 107-1 | 721170 | 722943 | 723260 | 722458 | 0.16 | cps |
| Silver | 109-1 | 677197 | 680319 | 686925 | 681480 | 0.73 | cps |
| Sodium | 23-2 | 3416492 | 3393159 | 3437445 | 3415699 | 0.65 | cps |
| Strontium | 86-1 | 5004200 | 5116710 | 5105186 | 5075366 | 1.22 | cps |
| Strontium | 88-1 | 43241821 | 44615883 | 45125519 | 44327741 | 2.20 | cps |
| Sulfur | 34-1 | 177778 | 178397 | 177049 | 177742 | 0.38 | cps |
| Terbium | 159-1 | 10276502 | 10226424 | 10203515 | 10235480 | 0.36 | cps |
| Terbium | 159-2 | 6798945 | 6739253 | 6779962 | 6772720 | 0.45 | cps |
| Thallium | 203-1 | 507895 | 515093 | 513539 | 512176 | 0.74 | cps |
| Thallium | 205-1 | 1196295 | 1217622 | 1215706 | 1209875 | 0.98 | cps |
| Tin | 118-1 | 483167 | 492179 | 493985 | 489777 | 1.18 | cps |
| Titanium | 47-1 | 1134946 | 1149788 | 1160608 | 1148447 | 1.12 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MSDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-26 00:09:03 | DataFile Name : | 133SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1539219 | 1558627 | 1762641 | 1620162 | 7.64 | cps |
| Vanadium | 51-2 | 250949 | 247588 | 244726 | 247754 | 1.26 | cps |
| Yttrium | 89-1 | 11247842 | 11727104 | 11488394 | 11487780 | 2.09 | cps |
| Yttrium | 89-2 | 2651732 | 2612705 | 2614172 | 2626203 | 0.84 | cps |
| Zinc | 66-2 | 450130 | 445998 | 446439 | 447522 | 0.51 | cps |
| Zirconium | 90-1 | 1204497 | 1215059 | 1235460 | 1218339 | 1.29 | cps |
| Zirconium | 91-1 | 272584 | 274789 | 278377 | 275250 | 1.06 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MSD | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:12:01 | DataFile Name : | 134SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4601822 | 4627982 | 4635390 | 4621731 | 0.38 | cps |
| Antimony | 121-1 | 3442806 | 3642489 | 3640468 | 3575254 | 3.21 | cps |
| Arsenic | 75-2 | 188754 | 188900 | 189254 | 188969 | 0.14 | cps |
| Barium | 135-1 | 4776423 | 4756930 | 4909028 | 4814127 | 1.72 | cps |
| Barium | 137-1 | 8082568 | 8348165 | 8422731 | 8284488 | 2.16 | cps |
| Beryllium | 9-1 | 699459 | 737368 | 747403 | 728077 | 3.47 | cps |
| Bismuth | 209-1 | 5499550 | 5512141 | 5663299 | 5558330 | 1.64 | cps |
| Bismuth | 209-2 | 4840205 | 4797978 | 4768945 | 4802376 | 0.75 | cps |
| Bromine | 81-1 | 40362 | 42611 | 43915 | 42296 | 4.25 | cps |
| Bromine | 81-2 | 6391 | 6185 | 6145 | 6240 | 2.12 | cps |
| Cadmium | 108-1 | 64111 | 65540 | 65537 | 65063 | 1.27 | cps |
| Cadmium | 106-1 | 93827 | 94908 | 95740 | 94825 | 1.01 | cps |
| Cadmium | 111-1 | 875857 | 878468 | 895022 | 883116 | 1.18 | cps |
| Calcium | 43-1 | 1452853 | 1463881 | 1466469 | 1461068 | 0.49 | cps |
| Calcium | 44-1 | 21929210 | 22433951 | 22704611 | 22355924 | 1.76 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1401417 | 1360452 | 1409375 | 1390414 | 1.89 | cps |
| Cobalt | 59-2 | 2047298 | 2054082 | 2054267 | 2051882 | 0.19 | cps |
| Copper | 63-2 | 13140013 | 13201973 | 13266180 | 13202722 | 0.48 | cps |
| Dysprosium | 156-1 | 67967 | 68563 | 69005 | 68512 | 0.76 | cps |
| Dysprosium | 156-2 | 57497 | 58230 | 56998 | 57575 | 1.08 | cps |
| Erbium | 164-1 | 50682 | 51183 | 51555 | 51140 | 0.86 | cps |
| Erbium | 164-2 | 35876 | 35806 | 35779 | 35820 | 0.14 | cps |
| Gadolinium | 160-1 | 63376 | 63724 | 64069 | 63723 | 0.54 | cps |
| Gadolinium | 160-2 | 47885 | 46634 | 46112 | 46877 | 1.94 | cps |
| Holmium | 165-1 | 9790185 | 9610573 | 9774629 | 9725129 | 1.02 | cps |
| Holmium | 165-2 | 6802098 | 6901416 | 6820474 | 6841329 | 0.77 | cps |
| Indium | 115-1 | 8071888 | 8228292 | 8251690 | 8183957 | 1.19 | cps |
| Indium | 115-2 | 2602370 | 2603375 | 2632410 | 2612718 | 0.65 | cps |
| Iron | 56-2 | 92243469 | 93182509 | 93178979 | 92868319 | 0.58 | cps |
| Iron | 57-2 | 2359979 | 2379959 | 2371817 | 2370585 | 0.42 | cps |
| Iron | 54-2 | 5123890 | 5052876 | 5244225 | 5140331 | 1.88 | cps |
| Krypton | 83-1 | 277 | 253 | 313 | 281 | 10.76 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MSD | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:12:01 | DataFile Name : | 134SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 12235439 | 12335602 | 12707760 | 12426267 | 2.00 | cps |
| Lead | 207-1 | 10940834 | 10927885 | 10966187 | 10944969 | 0.18 | cps |
| Lead | 208-1 | 49099585 | 49693983 | 50294680 | 49696082 | 1.20 | cps |
| Lithium | 6-1 | 1698148 | 1731018 | 1773328 | 1734164 | 2.17 | cps |
| Magnesium | 24-2 | 10869524 | 10789234 | 10946627 | 10868462 | 0.72 | cps |
| Manganese | 55-2 | 16381290 | 16112841 | 16426235 | 16306789 | 1.04 | cps |
| Molybdenum | 94-1 | 15473814 | 15610526 | 15713286 | 15599209 | 0.77 | cps |
| Molybdenum | 95-1 | 23235234 | 23356077 | 23780464 | 23457258 | 1.22 | cps |
| Molybdenum | 96-1 | 25664625 | 25598535 | 25588999 | 25617386 | 0.16 | cps |
| Molybdenum | 97-1 | 14757145 | 14665566 | 14825009 | 14749240 | 0.54 | cps |
| Molybdenum | 98-1 | 36662590 | 37636080 | 37925694 | 37408121 | 1.77 | cps |
| Neodymium | 150-1 | 128862 | 132920 | 133630 | 131804 | 1.95 | cps |
| Neodymium | 150-2 | 76771 | 75806 | 75042 | 75873 | 1.14 | cps |
| Nickel | 60-2 | 514431 | 510911 | 517588 | 514310 | 0.65 | cps |
| Phosphorus | 31-2 | 11761 | 11721 | 11635 | 11706 | 0.55 | cps |
| Potassium | 39-2 | 6537245 | 6425773 | 6388602 | 6450540 | 1.20 | cps |
| Rhodium | 103-1 | 7655919 | 7670007 | 7738047 | 7687991 | 0.57 | cps |
| Rhodium | 103-2 | 4330545 | 4331597 | 4303911 | 4322018 | 0.36 | cps |
| Scandium | 45-1 | 5356767 | 5506535 | 5394241 | 5419181 | 1.44 | cps |
| Scandium | 45-2 | 362574 | 362629 | 362907 | 362704 | 0.05 | cps |
| Selenium | 82-1 | 59087 | 59557 | 60248 | 59631 | 0.98 | cps |
| Selenium | 77-2 | 5041 | 5278 | 5088 | 5135 | 2.44 | cps |
| Selenium | 78-2 | 16753 | 16983 | 16936 | 16891 | 0.72 | cps |
| Silicon | 28-1 | 23228487 | 23233717 | 23889330 | 23450512 | 1.62 | cps |
| Silver | 107-1 | 3871971 | 1456418 | 2071220 | 2466536 | 50.90 | cps |
| Silver | 109-1 | 1506536 | 2245999 | 1370549 | 1707694 | 27.59 | cps |
| Sodium | 23-2 | 17944829 | 17936136 | 17786624 | 17889196 | 0.50 | cps |
| Strontium | 86-1 | 25488070 | 25551160 | 26135752 | 25724994 | 1.39 | cps |
| Strontium | 88-1 | 225229263 | 224860777 | 227628250 | 225906097 | 0.67 | cps |
| Sulfur | 34-1 | 263325 | 267037 | 267253 | 265872 | 0.83 | cps |
| Terbium | 159-1 | 10041526 | 10090497 | 10213880 | 10115301 | 0.88 | cps |
| Terbium | 159-2 | 6900341 | 6879029 | 6747909 | 6842426 | 1.21 | cps |
| Thallium | 203-1 | 2859200 | 2921300 | 2984123 | 2921541 | 2.14 | cps |
| Thallium | 205-1 | 6808510 | 6955425 | 7045804 | 6936580 | 1.73 | cps |
| Tin | 118-1 | 2478670 | 2562444 | 2596371 | 2545829 | 2.38 | cps |
| Titanium | 47-1 | 5756586 | 5801640 | 5876589 | 5811605 | 1.04 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MSD | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:12:01 | DataFile Name : | 134SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8683854 | 9135350 | 9050606 | 8956604 | 2.68 | cps |
| Vanadium | 51-2 | 1271179 | 1276616 | 1283535 | 1277110 | 0.48 | cps |
| Yttrium | 89-1 | 12275357 | 12196096 | 12044227 | 12171894 | 0.96 | cps |
| Yttrium | 89-2 | 2737073 | 2736780 | 2695976 | 2723276 | 0.87 | cps |
| Zinc | 66-2 | 2268898 | 2258644 | 2241698 | 2256414 | 0.61 | cps |
| Zirconium | 90-1 | 6156286 | 6393847 | 6382228 | 6310787 | 2.12 | cps |
| Zirconium | 91-1 | 1372978 | 1400136 | 1411651 | 1394922 | 1.42 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MSDDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-26 00:14:48 | DataFile Name : | 135SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 974637 | 959115 | 971456 | 968403 | 0.85 | cps |
| Antimony | 121-1 | 697935 | 699669 | 705442 | 701015 | 0.56 | cps |
| Arsenic | 75-2 | 38470 | 38346 | 38573 | 38463 | 0.30 | cps |
| Barium | 135-1 | 906971 | 916663 | 914429 | 912688 | 0.56 | cps |
| Barium | 137-1 | 1671856 | 1676562 | 1692820 | 1680412 | 0.65 | cps |
| Beryllium | 9-1 | 144645 | 148689 | 146217 | 146517 | 1.39 | cps |
| Bismuth | 209-1 | 5757369 | 5820762 | 5871211 | 5816447 | 0.98 | cps |
| Bismuth | 209-2 | 4933151 | 4907594 | 4867635 | 4902794 | 0.67 | cps |
| Bromine | 81-1 | 16346 | 16045 | 16252 | 16215 | 0.95 | cps |
| Bromine | 81-2 | 1397 | 1403 | 1473 | 1425 | 2.98 | cps |
| Cadmium | 108-1 | 13099 | 13373 | 13583 | 13352 | 1.82 | cps |
| Cadmium | 106-1 | 20962 | 21339 | 21403 | 21234 | 1.12 | cps |
| Cadmium | 111-1 | 182384 | 186748 | 186248 | 185127 | 1.29 | cps |
| Calcium | 43-1 | 308431 | 308923 | 311148 | 309500 | 0.47 | cps |
| Calcium | 44-1 | 4456235 | 4431597 | 4522235 | 4470022 | 1.05 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 287794 | 283750 | 282857 | 284800 | 0.92 | cps |
| Cobalt | 59-2 | 410043 | 410262 | 406925 | 409077 | 0.46 | cps |
| Copper | 63-2 | 2708735 | 2740203 | 2743670 | 2730869 | 0.70 | cps |
| Dysprosium | 156-1 | 13864 | 13987 | 13537 | 13796 | 1.69 | cps |
| Dysprosium | 156-2 | 11335 | 11378 | 11598 | 11437 | 1.24 | cps |
| Erbium | 164-1 | 10461 | 10140 | 10601 | 10401 | 2.27 | cps |
| Erbium | 164-2 | 7435 | 7175 | 7295 | 7302 | 1.78 | cps |
| Gadolinium | 160-1 | 12672 | 12976 | 13009 | 12886 | 1.44 | cps |
| Gadolinium | 160-2 | 9730 | 9433 | 9647 | 9603 | 1.59 | cps |
| Holmium | 165-1 | 9913827 | 9813785 | 9754194 | 9827269 | 0.82 | cps |
| Holmium | 165-2 | 6845142 | 6833361 | 6752191 | 6810231 | 0.74 | cps |
| Indium | 115-1 | 8509068 | 8263027 | 8394833 | 8388976 | 1.47 | cps |
| Indium | 115-2 | 2664145 | 2678757 | 2632052 | 2658318 | 0.90 | cps |
| Iron | 56-2 | 19173326 | 18634888 | 19319644 | 19042620 | 1.89 | cps |
| Iron | 57-2 | 492907 | 490287 | 492659 | 491951 | 0.29 | cps |
| Iron | 54-2 | 1097778 | 1079484 | 1081620 | 1086294 | 0.92 | cps |
| Krypton | 83-1 | 203 | 190 | 193 | 196 | 3.55 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MSDDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-26 00:14:48 | DataFile Name : | 135SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2532332 | 2546361 | 2579290 | 2552661 | 0.94 | cps |
| Lead | 207-1 | 2231162 | 2247774 | 2287448 | 2255462 | 1.28 | cps |
| Lead | 208-1 | 10085823 | 10094657 | 10319478 | 10166652 | 1.30 | cps |
| Lithium | 6-1 | 1750250 | 1778835 | 1794413 | 1774499 | 1.26 | cps |
| Magnesium | 24-2 | 2225639 | 2201032 | 2211846 | 2212839 | 0.56 | cps |
| Manganese | 55-2 | 3341685 | 3304866 | 3347768 | 3331440 | 0.70 | cps |
| Molybdenum | 94-1 | 3073499 | 3179899 | 3187065 | 3146821 | 2.02 | cps |
| Molybdenum | 95-1 | 4635534 | 4687737 | 4683672 | 4668981 | 0.62 | cps |
| Molybdenum | 96-1 | 5063726 | 5152022 | 5151399 | 5122382 | 0.99 | cps |
| Molybdenum | 97-1 | 2880585 | 2976776 | 2901740 | 2919700 | 1.73 | cps |
| Molybdenum | 98-1 | 7490913 | 7555153 | 7445522 | 7497196 | 0.73 | cps |
| Neodymium | 150-1 | 26482 | 26599 | 26472 | 26517 | 0.27 | cps |
| Neodymium | 150-2 | 15205 | 15202 | 14975 | 15127 | 0.87 | cps |
| Nickel | 60-2 | 107331 | 107076 | 107260 | 107222 | 0.12 | cps |
| Phosphorus | 31-2 | 2660 | 2467 | 2614 | 2580 | 3.91 | cps |
| Potassium | 39-2 | 1349418 | 1359937 | 1339731 | 1349695 | 0.75 | cps |
| Rhodium | 103-1 | 7970132 | 8029873 | 7951815 | 7983940 | 0.51 | cps |
| Rhodium | 103-2 | 4469238 | 4509311 | 4510398 | 4496316 | 0.52 | cps |
| Scandium | 45-1 | 5432541 | 5355170 | 5381446 | 5389719 | 0.73 | cps |
| Scandium | 45-2 | 365654 | 364973 | 364855 | 365161 | 0.12 | cps |
| Selenium | 82-1 | 12506 | 12354 | 12335 | 12398 | 0.75 | cps |
| Selenium | 77-2 | 987 | 1027 | 963 | 992 | 3.23 | cps |
| Selenium | 78-2 | 3721 | 3450 | 3717 | 3629 | 4.27 | cps |
| Silicon | 28-1 | 5056414 | 5109769 | 5000033 | 5055405 | 1.09 | cps |
| Silver | 107-1 | 768105 | 777684 | 777823 | 774537 | 0.72 | cps |
| Silver | 109-1 | 724957 | 731855 | 734781 | 730531 | 0.69 | cps |
| Sodium | 23-2 | 3683269 | 3646932 | 3602829 | 3644343 | 1.11 | cps |
| Strontium | 86-1 | 5220598 | 5192718 | 5318027 | 5243781 | 1.25 | cps |
| Strontium | 88-1 | 44071864 | 44874649 | 45972944 | 44973153 | 2.12 | cps |
| Sulfur | 34-1 | 177416 | 178914 | 178786 | 178372 | 0.47 | cps |
| Terbium | 159-1 | 10223588 | 10330335 | 10283318 | 10279080 | 0.52 | cps |
| Terbium | 159-2 | 6876382 | 6866749 | 6862205 | 6868445 | 0.11 | cps |
| Thallium | 203-1 | 525750 | 533333 | 528053 | 529045 | 0.73 | cps |
| Thallium | 205-1 | 1234004 | 1251382 | 1264518 | 1249968 | 1.22 | cps |
| Tin | 118-1 | 494639 | 503863 | 504256 | 500920 | 1.09 | cps |
| Titanium | 47-1 | 1169576 | 1184216 | 1182830 | 1178874 | 0.69 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14MSDDLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-26 00:14:48 | DataFile Name : | 135SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1559976 | 1600022 | 1606465 | 1588821 | 1.59 | cps |
| Vanadium | 51-2 | 257425 | 256736 | 258551 | 257571 | 0.36 | cps |
| Yttrium | 89-1 | 11477831 | 11622283 | 11543528 | 11547880 | 0.63 | cps |
| Yttrium | 89-2 | 2616112 | 2599517 | 2642473 | 2619367 | 0.83 | cps |
| Zinc | 66-2 | 455885 | 458010 | 457210 | 457035 | 0.23 | cps |
| Zirconium | 90-1 | 1229457 | 1261304 | 1262074 | 1250945 | 1.49 | cps |
| Zirconium | 91-1 | 279036 | 280345 | 281954 | 280445 | 0.52 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV10 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV10 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:42:20 | DataFile Name : | 137CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5948982 | 5928487 | 6001766 | 5959745 | 0.63 | cps |
| Antimony | 121-1 | 3305949 | 3340468 | 3315676 | 3320698 | 0.54 | cps |
| Arsenic | 75-2 | 160736 | 159998 | 158574 | 159769 | 0.69 | cps |
| Barium | 135-1 | 3847140 | 3836085 | 3809037 | 3830754 | 0.51 | cps |
| Barium | 137-1 | 6631600 | 6528678 | 6606081 | 6588786 | 0.81 | cps |
| Beryllium | 9-1 | 636014 | 645024 | 659626 | 646888 | 1.84 | cps |
| Bismuth | 209-1 | 5098440 | 5097920 | 5203333 | 5133231 | 1.18 | cps |
| Bismuth | 209-2 | 4466651 | 4345545 | 4472415 | 4428204 | 1.62 | cps |
| Bromine | 81-1 | 7295 | 7352 | 7632 | 7426 | 2.43 | cps |
| Bromine | 81-2 | 60 | 57 | 53 | 57 | 5.89 | cps |
| Cadmium | 108-1 | 55439 | 56034 | 57045 | 56173 | 1.45 | cps |
| Cadmium | 106-1 | 79764 | 81574 | 81058 | 80799 | 1.15 | cps |
| Cadmium | 111-1 | 743217 | 754499 | 763414 | 753710 | 1.34 | cps |
| Calcium | 43-1 | 4643402 | 4807430 | 4805268 | 4752033 | 1.98 | cps |
| Calcium | 44-1 | 73389411 | 77067436 | 75352857 | 75269901 | 2.45 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1132970 | 1139514 | 1138204 | 1136896 | 0.30 | cps |
| Cobalt | 59-2 | 1747722 | 1726167 | 1759554 | 1744481 | 0.97 | cps |
| Copper | 63-2 | 12367590 | 12191381 | 12035314 | 12198095 | 1.36 | cps |
| Dysprosium | 156-1 | 300 | 237 | 263 | 267 | 11.93 | cps |
| Dysprosium | 156-2 | 267 | 240 | 313 | 273 | 13.58 | cps |
| Erbium | 164-1 | 200 | 187 | 227 | 204 | 9.96 | cps |
| Erbium | 164-2 | 130 | 147 | 167 | 148 | 12.42 | cps |
| Gadolinium | 160-1 | 167 | 130 | 217 | 171 | 25.42 | cps |
| Gadolinium | 160-2 | 383 | 393 | 330 | 369 | 9.23 | cps |
| Holmium | 165-1 | 9093794 | 9295443 | 9553823 | 9314353 | 2.48 | cps |
| Holmium | 165-2 | 6567032 | 6498843 | 6708022 | 6591299 | 1.62 | cps |
| Indium | 115-1 | 7697848 | 7682231 | 7842117 | 7740732 | 1.14 | cps |
| Indium | 115-2 | 2517318 | 2474247 | 2507345 | 2499637 | 0.90 | cps |
| Iron | 56-2 | 246068630 | 241897416 | 240792376 | 242919474 | 1.15 | cps |
| Iron | 57-2 | 6039388 | 6013857 | 6064183 | 6039143 | 0.42 | cps |
| Iron | 54-2 | 12866896 | 13372911 | 13090482 | 13110097 | 1.93 | cps |
| Krypton | 83-1 | 190 | 220 | 187 | 199 | 9.23 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV10 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV10 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:42:20 | DataFile Name : | 137CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 9649966 | 9731454 | 9997977 | 9793132 | 1.86 | cps |
| Lead | 207-1 | 8626383 | 8712413 | 8785262 | 8708019 | 0.91 | cps |
| Lead | 208-1 | 38604040 | 39500416 | 39572221 | 39225559 | 1.38 | cps |
| Lithium | 6-1 | 1648242 | 1635856 | 1622132 | 1635410 | 0.80 | cps |
| Magnesium | 24-2 | 50472324 | 50018626 | 49918051 | 50136334 | 0.59 | cps |
| Manganese | 55-2 | 8078808 | 8220423 | 8067510 | 8122247 | 1.05 | cps |
| Molybdenum | 94-1 | 12033596 | 12054849 | 12269085 | 12119177 | 1.07 | cps |
| Molybdenum | 95-1 | 17131729 | 17329508 | 17570506 | 17343914 | 1.27 | cps |
| Molybdenum | 96-1 | 18584341 | 18563366 | 18970614 | 18706107 | 1.23 | cps |
| Molybdenum | 97-1 | 10651174 | 10856456 | 11064248 | 10857293 | 1.90 | cps |
| Molybdenum | 98-1 | 27312255 | 27909400 | 28497706 | 27906454 | 2.12 | cps |
| Neodymium | 150-1 | 237 | 290 | 273 | 267 | 10.23 | cps |
| Neodymium | 150-2 | 103 | 113 | 100 | 106 | 6.57 | cps |
| Nickel | 60-2 | 429326 | 428434 | 424299 | 427353 | 0.63 | cps |
| Phosphorus | 31-2 | 64622 | 64830 | 65208 | 64887 | 0.46 | cps |
| Potassium | 39-2 | 29434056 | 29199300 | 29561695 | 29398351 | 0.63 | cps |
| Rhodium | 103-1 | 7070705 | 7051353 | 7229242 | 7117100 | 1.37 | cps |
| Rhodium | 103-2 | 4015156 | 4055281 | 4072019 | 4047485 | 0.72 | cps |
| Scandium | 45-1 | 5206593 | 5181522 | 5246575 | 5211564 | 0.63 | cps |
| Scandium | 45-2 | 351434 | 352577 | 354092 | 352701 | 0.38 | cps |
| Selenium | 82-1 | 50651 | 51745 | 52013 | 51470 | 1.40 | cps |
| Selenium | 77-2 | 4101 | 4294 | 4354 | 4250 | 3.12 | cps |
| Selenium | 78-2 | 14010 | 14634 | 14330 | 14325 | 2.18 | cps |
| Silicon | 28-1 | 33692884 | 33737145 | 34008274 | 33812768 | 0.50 | cps |
| Silver | 107-1 | 3820460 | 3826393 | 3850106 | 3832320 | 0.41 | cps |
| Silver | 109-1 | 3645032 | 3672253 | 3694595 | 3670627 | 0.68 | cps |
| Sodium | 23-2 | 79849822 | 78840585 | 79331740 | 79340716 | 0.64 | cps |
| Strontium | 86-1 | 25651390 | 25851080 | 25838616 | 25780362 | 0.43 | cps |
| Strontium | 88-1 | 220760483 | 226099930 | 226836343 | 224565586 | 1.48 | cps |
| Sulfur | 34-1 | 477277 | 485116 | 481534 | 481309 | 0.82 | cps |
| Terbium | 159-1 | 9542171 | 9712046 | 9799134 | 9684450 | 1.35 | cps |
| Terbium | 159-2 | 6667468 | 6572175 | 6575179 | 6604941 | 0.82 | cps |
| Thallium | 203-1 | 2464461 | 2464946 | 2502482 | 2477296 | 0.88 | cps |
| Thallium | 205-1 | 5803865 | 5884667 | 6064859 | 5917797 | 2.26 | cps |
| Tin | 118-1 | 2486592 | 2537647 | 2574806 | 2533015 | 1.75 | cps |
| Titanium | 47-1 | 4974257 | 5030702 | 4918945 | 4974635 | 1.12 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV10 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV10 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:42:20 | DataFile Name : | 137CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7454220 | 7800989 | 7647804 | 7634338 | 2.28 | cps |
| Vanadium | 51-2 | 1015216 | 1023692 | 1032334 | 1023747 | 0.84 | cps |
| Yttrium | 89-1 | 10831668 | 10847774 | 10839102 | 10839515 | 0.07 | cps |
| Yttrium | 89-2 | 2535580 | 2458488 | 2516491 | 2503520 | 1.60 | cps |
| Zinc | 66-2 | 2085915 | 2032010 | 1991294 | 2036406 | 2.33 | cps |
| Zirconium | 90-1 | 5641323 | 5730195 | 5850230 | 5740583 | 1.83 | cps |
| Zirconium | 91-1 | 1250432 | 1260725 | 1287259 | 1266138 | 1.50 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB10 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB10 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:52:34 | DataFile Name : | 138CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 330 | 370 | 347 | 349 | 5.76 | cps |
| Antimony | 121-1 | 633 | 830 | 787 | 750 | 13.78 | cps |
| Arsenic | 75-2 | 13 | 3 | 3 | 7 | 86.65 | cps |
| Barium | 135-1 | 150 | 167 | 160 | 159 | 5.28 | cps |
| Barium | 137-1 | 273 | 240 | 207 | 240 | 13.89 | cps |
| Beryllium | 9-1 | 97 | 63 | 60 | 73 | 27.65 | cps |
| Bismuth | 209-1 | 5626649 | 5511475 | 5647461 | 5595195 | 1.31 | cps |
| Bismuth | 209-2 | 4704552 | 4709443 | 4761619 | 4725205 | 0.67 | cps |
| Bromine | 81-1 | 7342 | 7295 | 7605 | 7414 | 2.26 | cps |
| Bromine | 81-2 | 60 | 40 | 40 | 47 | 24.74 | cps |
| Cadmium | 108-1 | 23 | 13 | 3 | 13 | 75.02 | cps |
| Cadmium | 106-1 | 2147 | 1973 | 1873 | 1998 | 6.92 | cps |
| Cadmium | 111-1 | 1520 | 1415 | 1336 | 1424 | 6.48 | cps |
| Calcium | 43-1 | 453 | 467 | 397 | 439 | 8.47 | cps |
| Calcium | 44-1 | 12002 | 11695 | 12426 | 12041 | 3.05 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 457 | 527 | 550 | 511 | 9.50 | cps |
| Cobalt | 59-2 | 147 | 127 | 133 | 136 | 7.51 | cps |
| Copper | 63-2 | 1080 | 1143 | 1157 | 1127 | 3.64 | cps |
| Dysprosium | 156-1 | 53 | 37 | 53 | 48 | 20.13 | cps |
| Dysprosium | 156-2 | 7 | 27 | 10 | 14 | 74.18 | cps |
| Erbium | 164-1 | 57 | 70 | 57 | 61 | 12.59 | cps |
| Erbium | 164-2 | 27 | 47 | 43 | 39 | 27.55 | cps |
| Gadolinium | 160-1 | 37 | 57 | 23 | 39 | 43.15 | cps |
| Gadolinium | 160-2 | 297 | 273 | 233 | 268 | 11.96 | cps |
| Holmium | 165-1 | 9248090 | 9433974 | 9108892 | 9263652 | 1.76 | cps |
| Holmium | 165-2 | 6499167 | 6653406 | 6517220 | 6556598 | 1.29 | cps |
| Indium | 115-1 | 8170627 | 8296558 | 8211393 | 8226193 | 0.78 | cps |
| Indium | 115-2 | 2669338 | 2602065 | 2605150 | 2625517 | 1.45 | cps |
| Iron | 56-2 | 17705 | 17694 | 18245 | 17881 | 1.76 | cps |
| Iron | 57-2 | 1433 | 1657 | 1537 | 1542 | 7.25 | cps |
| Iron | 54-2 | 1703 | 1773 | 1730 | 1736 | 2.04 | cps |
| Krypton | 83-1 | 200 | 133 | 203 | 179 | 22.07 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB10 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB10 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:52:34 | DataFile Name : | 138CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 427 | 417 | 530 | 458 | 13.71 | cps |
| Lead | 207-1 | 447 | 457 | 450 | 451 | 1.13 | cps |
| Lead | 208-1 | 1923 | 1927 | 2130 | 1993 | 5.94 | cps |
| Lithium | 6-1 | 1703644 | 1701994 | 1662609 | 1689416 | 1.38 | cps |
| Magnesium | 24-2 | 1853 | 2037 | 2020 | 1970 | 5.15 | cps |
| Manganese | 55-2 | 643 | 687 | 633 | 654 | 4.33 | cps |
| Molybdenum | 94-1 | 530 | 567 | 637 | 578 | 9.38 | cps |
| Molybdenum | 95-1 | 583 | 567 | 580 | 577 | 1.53 | cps |
| Molybdenum | 96-1 | 730 | 700 | 623 | 684 | 8.04 | cps |
| Molybdenum | 97-1 | 370 | 363 | 413 | 382 | 7.10 | cps |
| Molybdenum | 98-1 | 850 | 873 | 813 | 846 | 3.58 | cps |
| Neodymium | 150-1 | 17 | 7 | 3 | 9 | 78.08 | cps |
| Neodymium | 150-2 | 10 | 3 | 7 | 7 | 50.03 | cps |
| Nickel | 60-2 | 153 | 177 | 160 | 163 | 7.36 | cps |
| Phosphorus | 31-2 | 100 | 100 | 80 | 93 | 12.37 | cps |
| Potassium | 39-2 | 44014 | 44722 | 44458 | 44398 | 0.81 | cps |
| Rhodium | 103-1 | 7680482 | 7748942 | 7688114 | 7705846 | 0.49 | cps |
| Rhodium | 103-2 | 4448289 | 4449026 | 4414129 | 4437148 | 0.45 | cps |
| Scandium | 45-1 | 5252755 | 5301272 | 5238685 | 5264238 | 0.62 | cps |
| Scandium | 45-2 | 356424 | 357997 | 356490 | 356970 | 0.25 | cps |
| Selenium | 82-1 | 273 | 400 | 304 | 326 | 20.35 | cps |
| Selenium | 77-2 | 7 | 0 | 0 | 2 | 173.21 | cps |
| Selenium | 78-2 | 160 | 203 | 227 | 197 | 17.20 | cps |
| Silicon | 28-1 | 290553 | 289840 | 291801 | 290731 | 0.34 | cps |
| Silver | 107-1 | 203 | 200 | 183 | 196 | 5.48 | cps |
| Silver | 109-1 | 117 | 133 | 140 | 130 | 9.24 | cps |
| Sodium | 23-2 | 16579 | 16439 | 16739 | 16586 | 0.91 | cps |
| Strontium | 86-1 | 937 | 893 | 983 | 938 | 4.80 | cps |
| Strontium | 88-1 | 5501 | 5491 | 5688 | 5560 | 1.99 | cps |
| Sulfur | 34-1 | 194013 | 194916 | 192678 | 193869 | 0.58 | cps |
| Terbium | 159-1 | 9669310 | 9706488 | 9655359 | 9677052 | 0.27 | cps |
| Terbium | 159-2 | 6504916 | 6483060 | 6456828 | 6481601 | 0.37 | cps |
| Thallium | 203-1 | 107 | 100 | 90 | 99 | 8.48 | cps |
| Thallium | 205-1 | 280 | 243 | 213 | 246 | 13.60 | cps |
| Tin | 118-1 | 1107 | 993 | 1097 | 1066 | 5.89 | cps |
| Titanium | 47-1 | 207 | 227 | 310 | 248 | 22.12 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB10 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB10 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:52:34 | DataFile Name : | 138CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 183 | 170 | 157 | 170 | 7.84 | cps |
| Vanadium | 51-2 | 60 | 47 | 33 | 47 | 28.58 | cps |
| Yttrium | 89-1 | 10911842 | 10971507 | 10992764 | 10958704 | 0.38 | cps |
| Yttrium | 89-2 | 2520110 | 2586019 | 2534635 | 2546921 | 1.36 | cps |
| Zinc | 66-2 | 753 | 813 | 747 | 771 | 4.76 | cps |
| Zirconium | 90-1 | 713 | 747 | 823 | 761 | 7.41 | cps |
| Zirconium | 91-1 | 137 | 163 | 180 | 160 | 13.66 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14A | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:55:51 | DataFile Name : | 139SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4731778 | 4628390 | 4729790 | 4696653 | 1.26 | cps |
| Antimony | 121-1 | 3527638 | 3584016 | 3561283 | 3557645 | 0.80 | cps |
| Arsenic | 75-2 | 189048 | 185257 | 185130 | 186478 | 1.19 | cps |
| Barium | 135-1 | 4567318 | 4715381 | 4850381 | 4711027 | 3.01 | cps |
| Barium | 137-1 | 8015888 | 8197614 | 8273120 | 8162207 | 1.62 | cps |
| Beryllium | 9-1 | 726687 | 760130 | 763592 | 750136 | 2.72 | cps |
| Bismuth | 209-1 | 5435366 | 5571892 | 5506043 | 5504434 | 1.24 | cps |
| Bismuth | 209-2 | 4713085 | 4731608 | 4755771 | 4733488 | 0.45 | cps |
| Bromine | 81-1 | 36288 | 38951 | 41846 | 39028 | 7.12 | cps |
| Bromine | 81-2 | 5851 | 5481 | 5805 | 5712 | 3.53 | cps |
| Cadmium | 108-1 | 63686 | 64867 | 64911 | 64488 | 1.08 | cps |
| Cadmium | 106-1 | 93076 | 93931 | 94955 | 93987 | 1.00 | cps |
| Cadmium | 111-1 | 867229 | 873406 | 883216 | 874617 | 0.92 | cps |
| Calcium | 43-1 | 1425532 | 1520813 | 1473456 | 1473267 | 3.23 | cps |
| Calcium | 44-1 | 22020121 | 23111310 | 22875299 | 22668910 | 2.53 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1380610 | 1375298 | 1383944 | 1379951 | 0.32 | cps |
| Cobalt | 59-2 | 2036364 | 2009275 | 1974835 | 2006825 | 1.54 | cps |
| Copper | 63-2 | 12909024 | 12998896 | 12859051 | 12922324 | 0.55 | cps |
| Dysprosium | 156-1 | 68888 | 70824 | 71384 | 70365 | 1.86 | cps |
| Dysprosium | 156-2 | 57721 | 58866 | 58545 | 58377 | 1.01 | cps |
| Erbium | 164-1 | 51123 | 51679 | 52642 | 51815 | 1.48 | cps |
| Erbium | 164-2 | 36875 | 36060 | 35906 | 36280 | 1.44 | cps |
| Gadolinium | 160-1 | 63175 | 64140 | 65043 | 64119 | 1.46 | cps |
| Gadolinium | 160-2 | 47179 | 47326 | 46510 | 47005 | 0.93 | cps |
| Holmium | 165-1 | 9541355 | 9860260 | 9600794 | 9667470 | 1.75 | cps |
| Holmium | 165-2 | 6689340 | 6825526 | 6743479 | 6752782 | 1.02 | cps |
| Indium | 115-1 | 8013729 | 8074144 | 8236709 | 8108194 | 1.42 | cps |
| Indium | 115-2 | 2627305 | 2580823 | 2641805 | 2616645 | 1.22 | cps |
| Iron | 56-2 | 89971665 | 87261329 | 89303965 | 88845653 | 1.59 | cps |
| Iron | 57-2 | 2256812 | 2255202 | 2196917 | 2236310 | 1.53 | cps |
| Iron | 54-2 | 4917176 | 4941228 | 4898647 | 4919017 | 0.43 | cps |
| Krypton | 83-1 | 247 | 330 | 230 | 269 | 19.93 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

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|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14A | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:55:51 | DataFile Name : | 139SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 12095253 | 12519592 | 12404724 | 12339856 | 1.78 | cps |
| Lead | 207-1 | 10604817 | 10961654 | 10894199 | 10820223 | 1.75 | cps |
| Lead | 208-1 | 48213288 | 49333598 | 49323044 | 48956644 | 1.32 | cps |
| Lithium | 6-1 | 1724086 | 1774678 | 1762432 | 1753732 | 1.51 | cps |
| Magnesium | 24-2 | 10703635 | 10911804 | 11015699 | 10877046 | 1.46 | cps |
| Manganese | 55-2 | 16535147 | 16358864 | 16479151 | 16457720 | 0.55 | cps |
| Molybdenum | 94-1 | 15283753 | 15434244 | 15412223 | 15376740 | 0.53 | cps |
| Molybdenum | 95-1 | 22667501 | 22528317 | 23217812 | 22804543 | 1.60 | cps |
| Molybdenum | 96-1 | 24636365 | 24799090 | 25378220 | 24937892 | 1.56 | cps |
| Molybdenum | 97-1 | 14037299 | 14551027 | 14559922 | 14382749 | 2.08 | cps |
| Molybdenum | 98-1 | 35918626 | 36987249 | 36849139 | 36585004 | 1.59 | cps |
| Neodymium | 150-1 | 130575 | 134398 | 133940 | 132971 | 1.57 | cps |
| Neodymium | 150-2 | 78034 | 77462 | 76714 | 77403 | 0.86 | cps |
| Nickel | 60-2 | 505674 | 504350 | 503470 | 504498 | 0.22 | cps |
| Phosphorus | 31-2 | 11791 | 11705 | 11438 | 11645 | 1.58 | cps |
| Potassium | 39-2 | 6356385 | 6315881 | 6362135 | 6344800 | 0.40 | cps |
| Rhodium | 103-1 | 7479907 | 7555386 | 7453362 | 7496218 | 0.71 | cps |
| Rhodium | 103-2 | 4343510 | 4325106 | 4404883 | 4357833 | 0.96 | cps |
| Scandium | 45-1 | 5462195 | 5463750 | 5504965 | 5476970 | 0.44 | cps |
| Scandium | 45-2 | 358822 | 356329 | 360587 | 358579 | 0.60 | cps |
| Selenium | 82-1 | 58123 | 58632 | 59894 | 58883 | 1.55 | cps |
| Selenium | 77-2 | 5128 | 4847 | 5124 | 5033 | 3.19 | cps |
| Selenium | 78-2 | 16916 | 16703 | 16943 | 16854 | 0.78 | cps |
| Silicon | 28-1 | 24924693 | 25221530 | 27344894 | 25830372 | 5.11 | cps |
| Silver | 107-1 | 1064074 | 1056028 | 1180158 | 1100087 | 6.31 | cps |
| Silver | 109-1 | 883498 | 901866 | 994463 | 926609 | 6.42 | cps |
| Sodium | 23-2 | 17620825 | 18110641 | 17683217 | 17804894 | 1.50 | cps |
| Strontium | 86-1 | 25530845 | 25556024 | 26626975 | 25904614 | 2.42 | cps |
| Strontium | 88-1 | 218863397 | 220514950 | 222585617 | 220654654 | 0.85 | cps |
| Sulfur | 34-1 | 288921 | 288661 | 287302 | 288295 | 0.30 | cps |
| Terbium | 159-1 | 9923363 | 10090065 | 10073954 | 10029127 | 0.92 | cps |
| Terbium | 159-2 | 6854356 | 6670811 | 6769259 | 6764809 | 1.36 | cps |
| Thallium | 203-1 | 2846108 | 2958095 | 2893356 | 2899186 | 1.94 | cps |
| Thallium | 205-1 | 6803732 | 6956243 | 6919068 | 6893014 | 1.15 | cps |
| Tin | 118-1 | 2534780 | 2518547 | 2577216 | 2543514 | 1.19 | cps |
| Titanium | 47-1 | 5685477 | 5880485 | 6062856 | 5876272 | 3.21 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14A | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 00:55:51 | DataFile Name : | 139SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8696128 | 8993452 | 8974702 | 8888094 | 1.87 | cps |
| Vanadium | 51-2 | 1259220 | 1244369 | 1256743 | 1253444 | 0.63 | cps |
| Yttrium | 89-1 | 11882462 | 12147696 | 12268901 | 12099687 | 1.63 | cps |
| Yttrium | 89-2 | 2721325 | 2703573 | 2749186 | 2724695 | 0.84 | cps |
| Zinc | 66-2 | 2200168 | 2166586 | 2187248 | 2184667 | 0.78 | cps |
| Zirconium | 90-1 | 6131424 | 6381617 | 6297582 | 6270208 | 2.03 | cps |
| Zirconium | 91-1 | 1354194 | 1387471 | 1409696 | 1383787 | 2.02 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14ADLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-26 00:58:40 | DataFile Name : | 140SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 939302 | 939648 | 936146 | 938365 | 0.21 | cps |
| Antimony | 121-1 | 667222 | 677078 | 679105 | 674468 | 0.94 | cps |
| Arsenic | 75-2 | 36385 | 35439 | 36525 | 36116 | 1.64 | cps |
| Barium | 135-1 | 872637 | 882946 | 892217 | 882600 | 1.11 | cps |
| Barium | 137-1 | 1625823 | 1589008 | 1635333 | 1616721 | 1.51 | cps |
| Beryllium | 9-1 | 150430 | 151930 | 151979 | 151446 | 0.58 | cps |
| Bismuth | 209-1 | 5976665 | 5710022 | 5824800 | 5837162 | 2.29 | cps |
| Bismuth | 209-2 | 5002976 | 5016316 | 5001498 | 5006930 | 0.16 | cps |
| Bromine | 81-1 | 14210 | 14984 | 15168 | 14787 | 3.44 | cps |
| Bromine | 81-2 | 1250 | 1300 | 1353 | 1301 | 3.97 | cps |
| Cadmium | 108-1 | 13156 | 13310 | 12769 | 13078 | 2.13 | cps |
| Cadmium | 106-1 | 20635 | 20848 | 21092 | 20858 | 1.10 | cps |
| Cadmium | 111-1 | 177406 | 179850 | 181201 | 179486 | 1.07 | cps |
| Calcium | 43-1 | 302290 | 302436 | 303236 | 302654 | 0.17 | cps |
| Calcium | 44-1 | 4459099 | 4422600 | 4406391 | 4429363 | 0.61 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 275326 | 277196 | 271848 | 274790 | 0.99 | cps |
| Cobalt | 59-2 | 390955 | 390466 | 387057 | 389493 | 0.55 | cps |
| Copper | 63-2 | 2651079 | 2658658 | 2617189 | 2642309 | 0.84 | cps |
| Dysprosium | 156-1 | 14014 | 14167 | 13944 | 14042 | 0.81 | cps |
| Dysprosium | 156-2 | 11465 | 11451 | 11798 | 11572 | 1.70 | cps |
| Erbium | 164-1 | 9847 | 10424 | 10117 | 10129 | 2.85 | cps |
| Erbium | 164-2 | 7335 | 6972 | 7008 | 7105 | 2.82 | cps |
| Gadolinium | 160-1 | 12259 | 12416 | 12913 | 12529 | 2.72 | cps |
| Gadolinium | 160-2 | 9460 | 9160 | 9293 | 9304 | 1.62 | cps |
| Holmium | 165-1 | 9838719 | 9861938 | 9653941 | 9784866 | 1.16 | cps |
| Holmium | 165-2 | 7010456 | 6781738 | 6740524 | 6844240 | 2.12 | cps |
| Indium | 115-1 | 8249125 | 8419468 | 8078095 | 8248896 | 2.07 | cps |
| Indium | 115-2 | 2660301 | 2651219 | 2685477 | 2665665 | 0.67 | cps |
| Iron | 56-2 | 17792806 | 17900620 | 17659048 | 17784158 | 0.68 | cps |
| Iron | 57-2 | 461224 | 463214 | 453378 | 459272 | 1.13 | cps |
| Iron | 54-2 | 1015702 | 1011677 | 1004814 | 1010731 | 0.54 | cps |
| Krypton | 83-1 | 220 | 240 | 207 | 222 | 7.55 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14ADLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-26 00:58:40 | DataFile Name : | 140SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2438129 | 2493173 | 2518473 | 2483258 | 1.65 | cps |
| Lead | 207-1 | 2158447 | 2190456 | 2182526 | 2177143 | 0.77 | cps |
| Lead | 208-1 | 9879634 | 9936043 | 9944033 | 9919903 | 0.35 | cps |
| Lithium | 6-1 | 1798623 | 1830840 | 1816591 | 1815352 | 0.89 | cps |
| Magnesium | 24-2 | 2147848 | 2138400 | 2109459 | 2131902 | 0.94 | cps |
| Manganese | 55-2 | 3234956 | 3277378 | 3229647 | 3247327 | 0.81 | cps |
| Molybdenum | 94-1 | 2987896 | 3019614 | 3104449 | 3037320 | 1.98 | cps |
| Molybdenum | 95-1 | 4461637 | 4481387 | 4474749 | 4472591 | 0.22 | cps |
| Molybdenum | 96-1 | 4862761 | 4960822 | 4784508 | 4869364 | 1.81 | cps |
| Molybdenum | 97-1 | 2798722 | 2833302 | 2786101 | 2806042 | 0.87 | cps |
| Molybdenum | 98-1 | 7036168 | 7289547 | 7256843 | 7194186 | 1.92 | cps |
| Neodymium | 150-1 | 26455 | 26745 | 26552 | 26584 | 0.56 | cps |
| Neodymium | 150-2 | 15182 | 15195 | 14624 | 15000 | 2.17 | cps |
| Nickel | 60-2 | 101853 | 101397 | 102373 | 101874 | 0.48 | cps |
| Phosphorus | 31-2 | 2354 | 2407 | 2414 | 2391 | 1.38 | cps |
| Potassium | 39-2 | 1285988 | 1285573 | 1299905 | 1290489 | 0.63 | cps |
| Rhodium | 103-1 | 7696114 | 7817350 | 7906847 | 7806770 | 1.35 | cps |
| Rhodium | 103-2 | 4391987 | 4425165 | 4458097 | 4425083 | 0.75 | cps |
| Scandium | 45-1 | 5451278 | 5234089 | 5319602 | 5334990 | 2.05 | cps |
| Scandium | 45-2 | 362333 | 358591 | 357367 | 359430 | 0.72 | cps |
| Selenium | 82-1 | 12184 | 11795 | 12090 | 12023 | 1.69 | cps |
| Selenium | 77-2 | 927 | 893 | 950 | 923 | 3.08 | cps |
| Selenium | 78-2 | 3617 | 3334 | 3374 | 3442 | 4.46 | cps |
| Silicon | 28-1 | 5036803 | 5202053 | 5468813 | 5235890 | 4.16 | cps |
| Silver | 107-1 | 735470 | 752639 | 750266 | 746125 | 1.25 | cps |
| Silver | 109-1 | 701110 | 712658 | 714773 | 709514 | 1.04 | cps |
| Sodium | 23-2 | 3436004 | 3470009 | 3480143 | 3462052 | 0.67 | cps |
| Strontium | 86-1 | 5081852 | 5093309 | 5060648 | 5078603 | 0.33 | cps |
| Strontium | 88-1 | 43629106 | 44217358 | 43680203 | 43842222 | 0.74 | cps |
| Sulfur | 34-1 | 194339 | 196384 | 193657 | 194793 | 0.73 | cps |
| Terbium | 159-1 | 10336945 | 10193677 | 10180382 | 10237001 | 0.85 | cps |
| Terbium | 159-2 | 6775380 | 6668989 | 6831317 | 6758562 | 1.22 | cps |
| Thallium | 203-1 | 509694 | 512189 | 513475 | 511786 | 0.38 | cps |
| Thallium | 205-1 | 1206763 | 1212801 | 1222157 | 1213907 | 0.64 | cps |
| Tin | 118-1 | 470160 | 480854 | 480718 | 477244 | 1.29 | cps |
| Titanium | 47-1 | 1145457 | 1172666 | 1153027 | 1157050 | 1.21 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3671-14ADLX5 | Instrumnet Name : | P7 |
| Client Sample ID : | S-912-J-SO-0.5-1-08192 | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2024-08-26 00:58:40 | DataFile Name : | 140SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1522936 | 1575547 | 1570334 | 1556272 | 1.86 | cps |
| Vanadium | 51-2 | 249170 | 246517 | 243068 | 246252 | 1.24 | cps |
| Yttrium | 89-1 | 11353251 | 11526753 | 11385740 | 11421915 | 0.81 | cps |
| Yttrium | 89-2 | 2590681 | 2645440 | 2571575 | 2602565 | 1.47 | cps |
| Zinc | 66-2 | 443732 | 439974 | 436363 | 440023 | 0.84 | cps |
| Zirconium | 90-1 | 1207708 | 1225888 | 1213981 | 1215859 | 0.76 | cps |
| Zirconium | 91-1 | 268745 | 273722 | 272002 | 271490 | 0.93 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01ARE2 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124ARE2 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 01:15:07 | DataFile Name : | 142SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1105531 | 1102816 | 1084328 | 1097559 | 1.05 | cps |
| Antimony | 121-1 | 3448416 | 3553432 | 3502645 | 3501498 | 1.50 | cps |
| Arsenic | 75-2 | 173818 | 173194 | 172109 | 173040 | 0.50 | cps |
| Barium | 135-1 | 3916934 | 3992458 | 4014992 | 3974794 | 1.29 | cps |
| Barium | 137-1 | 6873022 | 6879839 | 6795951 | 6849604 | 0.68 | cps |
| Beryllium | 9-1 | 757201 | 769396 | 791584 | 772727 | 2.26 | cps |
| Bismuth | 209-1 | 5340900 | 5360235 | 5338091 | 5346408 | 0.23 | cps |
| Bismuth | 209-2 | 4613334 | 4585924 | 4669214 | 4622824 | 0.92 | cps |
| Bromine | 81-1 | 22884 | 27289 | 29219 | 26464 | 12.27 | cps |
| Bromine | 81-2 | 3931 | 4024 | 4061 | 4005 | 1.67 | cps |
| Cadmium | 108-1 | 63886 | 64406 | 65283 | 64525 | 1.09 | cps |
| Cadmium | 106-1 | 91801 | 91875 | 93033 | 92236 | 0.75 | cps |
| Cadmium | 111-1 | 853926 | 864429 | 874941 | 864432 | 1.22 | cps |
| Calcium | 43-1 | 1449692 | 1417924 | 1455636 | 1441084 | 1.41 | cps |
| Calcium | 44-1 | 21790442 | 21779732 | 21621673 | 21730616 | 0.43 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1207061 | 1209883 | 1195617 | 1204187 | 0.63 | cps |
| Cobalt | 59-2 | 1978193 | 2004468 | 1963579 | 1982080 | 1.05 | cps |
| Copper | 63-2 | 12442513 | 12382069 | 12263639 | 12362740 | 0.74 | cps |
| Dysprosium | 156-1 | 340 | 360 | 300 | 333 | 9.16 | cps |
| Dysprosium | 156-2 | 303 | 353 | 347 | 334 | 8.12 | cps |
| Erbium | 164-1 | 313 | 310 | 393 | 339 | 13.92 | cps |
| Erbium | 164-2 | 210 | 270 | 243 | 241 | 12.47 | cps |
| Gadolinium | 160-1 | 327 | 280 | 250 | 286 | 13.53 | cps |
| Gadolinium | 160-2 | 467 | 407 | 460 | 444 | 7.40 | cps |
| Holmium | 165-1 | 9348419 | 9224871 | 9295252 | 9289514 | 0.67 | cps |
| Holmium | 165-2 | 6458926 | 6620732 | 6586953 | 6555537 | 1.30 | cps |
| Indium | 115-1 | 7931571 | 7854432 | 7993290 | 7926431 | 0.88 | cps |
| Indium | 115-2 | 2502187 | 2483479 | 2441576 | 2475748 | 1.25 | cps |
| Iron | 56-2 | 55629444 | 54792398 | 54681659 | 55034500 | 0.94 | cps |
| Iron | 57-2 | 1390769 | 1392374 | 1402977 | 1395373 | 0.48 | cps |
| Iron | 54-2 | 3019963 | 3053340 | 3089897 | 3054400 | 1.15 | cps |
| Krypton | 83-1 | 210 | 220 | 207 | 212 | 3.27 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01ARE2 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124ARE2 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 01:15:07 | DataFile Name : | 142SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10384256 | 10658821 | 10639833 | 10560970 | 1.45 | cps |
| Lead | 207-1 | 9162626 | 9423612 | 9662035 | 9416091 | 2.65 | cps |
| Lead | 208-1 | 41642514 | 42475378 | 42910242 | 42342711 | 1.52 | cps |
| Lithium | 6-1 | 1704372 | 1822751 | 1793684 | 1773603 | 3.48 | cps |
| Magnesium | 24-2 | 10693003 | 10746187 | 10553204 | 10664132 | 0.93 | cps |
| Manganese | 55-2 | 9005679 | 8878025 | 8669132 | 8850945 | 1.92 | cps |
| Molybdenum | 94-1 | 15284699 | 15694481 | 15337589 | 15438923 | 1.44 | cps |
| Molybdenum | 95-1 | 23044667 | 23636364 | 23177655 | 23286229 | 1.33 | cps |
| Molybdenum | 96-1 | 25181473 | 24784023 | 25261793 | 25075763 | 1.02 | cps |
| Molybdenum | 97-1 | 14442593 | 14313742 | 14428364 | 14394900 | 0.49 | cps |
| Molybdenum | 98-1 | 36855547 | 37056189 | 36858637 | 36923458 | 0.31 | cps |
| Neodymium | 150-1 | 427 | 453 | 507 | 462 | 8.81 | cps |
| Neodymium | 150-2 | 267 | 197 | 260 | 241 | 16.02 | cps |
| Nickel | 60-2 | 476751 | 475018 | 471246 | 474339 | 0.59 | cps |
| Phosphorus | 31-2 | 703 | 683 | 713 | 700 | 2.18 | cps |
| Potassium | 39-2 | 6545654 | 6503651 | 6467492 | 6505599 | 0.60 | cps |
| Rhodium | 103-1 | 7408166 | 7277104 | 7242909 | 7309393 | 1.19 | cps |
| Rhodium | 103-2 | 4162270 | 4228310 | 4189167 | 4193249 | 0.79 | cps |
| Scandium | 45-1 | 5341030 | 5363088 | 5195676 | 5299931 | 1.72 | cps |
| Scandium | 45-2 | 348947 | 348074 | 348145 | 348388 | 0.14 | cps |
| Selenium | 82-1 | 56228 | 57016 | 57795 | 57013 | 1.37 | cps |
| Selenium | 77-2 | 4767 | 4694 | 4417 | 4626 | 3.99 | cps |
| Selenium | 78-2 | 15815 | 15735 | 15431 | 15661 | 1.29 | cps |
| Silicon | 28-1 | 11780115 | 11424084 | 12164917 | 11789705 | 3.14 | cps |
| Silver | 107-1 | 2318934 | 2371187 | 2879490 | 2523204 | 12.27 | cps |
| Silver | 109-1 | 2732614 | 3125763 | 2851002 | 2903126 | 6.95 | cps |
| Sodium | 23-2 | 35275397 | 35146949 | 35369057 | 35263801 | 0.32 | cps |
| Strontium | 86-1 | 25243690 | 25469246 | 25326827 | 25346588 | 0.45 | cps |
| Strontium | 88-1 | 221635463 | 223787690 | 223560663 | 222994606 | 0.53 | cps |
| Sulfur | 34-1 | 281630 | 281038 | 280007 | 280892 | 0.29 | cps |
| Terbium | 159-1 | 9783230 | 9908435 | 9625841 | 9772502 | 1.45 | cps |
| Terbium | 159-2 | 6625708 | 6529570 | 6487003 | 6547427 | 1.09 | cps |
| Thallium | 203-1 | 2778267 | 2877939 | 2802214 | 2819473 | 1.85 | cps |
| Thallium | 205-1 | 6535361 | 6796712 | 6792417 | 6708163 | 2.23 | cps |
| Tin | 118-1 | 2500619 | 2565055 | 2549041 | 2538238 | 1.32 | cps |
| Titanium | 47-1 | 5583255 | 5590905 | 5531697 | 5568619 | 0.58 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | P3440-01ARE2 | Instrumnet Name : | P7 |
| Client Sample ID : | 923-K1-WS-080124ARE2 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 01:15:07 | DataFile Name : | 142SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8484329 | 8776061 | 8698986 | 8653125 | 1.75 | cps |
| Vanadium | 51-2 | 1117562 | 1118023 | 1109903 | 1115163 | 0.41 | cps |
| Yttrium | 89-1 | 10954504 | 10734362 | 11031840 | 10906902 | 1.42 | cps |
| Yttrium | 89-2 | 2446441 | 2411196 | 2508030 | 2455222 | 2.00 | cps |
| Zinc | 66-2 | 2160341 | 2157222 | 2142884 | 2153482 | 0.43 | cps |
| Zirconium | 90-1 | 6142159 | 6163759 | 6218464 | 6174794 | 0.64 | cps |
| Zirconium | 91-1 | 1353986 | 1367255 | 1369408 | 1363550 | 0.61 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV11 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV11 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 01:17:53 | DataFile Name : | 143CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5778145 | 5762865 | 5734445 | 5758485 | 0.39 | cps |
| Antimony | 121-1 | 3294746 | 3340049 | 3327662 | 3320819 | 0.71 | cps |
| Arsenic | 75-2 | 155424 | 154918 | 155077 | 155140 | 0.17 | cps |
| Barium | 135-1 | 3821142 | 3918758 | 3860332 | 3866744 | 1.27 | cps |
| Barium | 137-1 | 6573026 | 6643373 | 6644405 | 6620268 | 0.62 | cps |
| Beryllium | 9-1 | 677742 | 692775 | 688872 | 686463 | 1.14 | cps |
| Bismuth | 209-1 | 5261794 | 5338236 | 5119023 | 5239685 | 2.12 | cps |
| Bismuth | 209-2 | 4400427 | 4474767 | 4433102 | 4436099 | 0.84 | cps |
| Bromine | 81-1 | 9740 | 9290 | 9110 | 9380 | 3.46 | cps |
| Bromine | 81-2 | 217 | 250 | 283 | 250 | 13.33 | cps |
| Cadmium | 108-1 | 55104 | 55462 | 56453 | 55673 | 1.25 | cps |
| Cadmium | 106-1 | 82006 | 82144 | 82486 | 82212 | 0.30 | cps |
| Cadmium | 111-1 | 749440 | 761157 | 771836 | 760811 | 1.47 | cps |
| Calcium | 43-1 | 4708632 | 4827124 | 4845657 | 4793805 | 1.55 | cps |
| Calcium | 44-1 | 75592441 | 76052849 | 75702059 | 75782449 | 0.32 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1107471 | 1092652 | 1118896 | 1106340 | 1.19 | cps |
| Cobalt | 59-2 | 1686822 | 1684670 | 1674987 | 1682160 | 0.37 | cps |
| Copper | 63-2 | 11871911 | 12042231 | 11981997 | 11965380 | 0.72 | cps |
| Dysprosium | 156-1 | 273 | 237 | 240 | 250 | 8.11 | cps |
| Dysprosium | 156-2 | 280 | 257 | 253 | 263 | 5.52 | cps |
| Erbium | 164-1 | 207 | 243 | 197 | 216 | 11.40 | cps |
| Erbium | 164-2 | 107 | 110 | 133 | 117 | 12.46 | cps |
| Gadolinium | 160-1 | 157 | 190 | 157 | 168 | 11.47 | cps |
| Gadolinium | 160-2 | 440 | 363 | 363 | 389 | 11.38 | cps |
| Holmium | 165-1 | 9388242 | 9567186 | 9232554 | 9395994 | 1.78 | cps |
| Holmium | 165-2 | 6643741 | 6673175 | 6772531 | 6696482 | 1.01 | cps |
| Indium | 115-1 | 7732278 | 7748539 | 7782449 | 7754422 | 0.33 | cps |
| Indium | 115-2 | 2438398 | 2450005 | 2479297 | 2455900 | 0.86 | cps |
| Iron | 56-2 | 237959363 | 233980483 | 234768163 | 235569336 | 0.89 | cps |
| Iron | 57-2 | 5759251 | 5869303 | 5864749 | 5831101 | 1.07 | cps |
| Iron | 54-2 | 12679214 | 12716060 | 12847029 | 12747434 | 0.69 | cps |
| Krypton | 83-1 | 190 | 193 | 227 | 203 | 9.97 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV11 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV11 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 01:17:53 | DataFile Name : | 143CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10021978 | 9930693 | 9999522 | 9984064 | 0.48 | cps |
| Lead | 207-1 | 8852780 | 8848898 | 8850703 | 8850794 | 0.02 | cps |
| Lead | 208-1 | 39987501 | 39429578 | 39750588 | 39722556 | 0.70 | cps |
| Lithium | 6-1 | 1753678 | 1750989 | 1824080 | 1776249 | 2.33 | cps |
| Magnesium | 24-2 | 49345878 | 48522896 | 49164316 | 49011030 | 0.88 | cps |
| Manganese | 55-2 | 7893904 | 7876493 | 7797545 | 7855981 | 0.65 | cps |
| Molybdenum | 94-1 | 11758862 | 11923245 | 12244714 | 11975607 | 2.06 | cps |
| Molybdenum | 95-1 | 17325836 | 17274666 | 17551674 | 17384059 | 0.85 | cps |
| Molybdenum | 96-1 | 18685571 | 18595091 | 19186908 | 18822523 | 1.69 | cps |
| Molybdenum | 97-1 | 10804512 | 10833857 | 10942405 | 10860258 | 0.67 | cps |
| Molybdenum | 98-1 | 27566571 | 27912640 | 28317837 | 27932349 | 1.35 | cps |
| Neodymium | 150-1 | 223 | 267 | 233 | 241 | 9.41 | cps |
| Neodymium | 150-2 | 93 | 110 | 103 | 102 | 8.21 | cps |
| Nickel | 60-2 | 417282 | 420699 | 417046 | 418342 | 0.49 | cps |
| Phosphorus | 31-2 | 62678 | 62477 | 63578 | 62911 | 0.93 | cps |
| Potassium | 39-2 | 28584040 | 28020891 | 28636842 | 28413924 | 1.20 | cps |
| Rhodium | 103-1 | 6903115 | 7028316 | 7216486 | 7049306 | 2.24 | cps |
| Rhodium | 103-2 | 3978417 | 4057474 | 4006787 | 4014226 | 1.00 | cps |
| Scandium | 45-1 | 5120393 | 5172091 | 5249042 | 5180509 | 1.25 | cps |
| Scandium | 45-2 | 343515 | 336609 | 343810 | 341311 | 1.19 | cps |
| Selenium | 82-1 | 50817 | 51206 | 50684 | 50902 | 0.53 | cps |
| Selenium | 77-2 | 4001 | 4277 | 4314 | 4197 | 4.08 | cps |
| Selenium | 78-2 | 14000 | 14377 | 14100 | 14159 | 1.38 | cps |
| Silicon | 28-1 | 34210099 | 34425543 | 34647949 | 34427864 | 0.64 | cps |
| Silver | 107-1 | 3790759 | 3806808 | 3790870 | 3796146 | 0.24 | cps |
| Silver | 109-1 | 3615427 | 3576656 | 3678352 | 3623478 | 1.42 | cps |
| Sodium | 23-2 | 77947744 | 77594001 | 78422911 | 77988218 | 0.53 | cps |
| Strontium | 86-1 | 24968060 | 25459216 | 25751017 | 25392765 | 1.56 | cps |
| Strontium | 88-1 | 215542650 | 221813803 | 222762717 | 220039723 | 1.78 | cps |
| Sulfur | 34-1 | 482203 | 482787 | 486810 | 483933 | 0.52 | cps |
| Terbium | 159-1 | 9622799 | 9732645 | 9629014 | 9661486 | 0.64 | cps |
| Terbium | 159-2 | 6503264 | 6504935 | 6401398 | 6469866 | 0.92 | cps |
| Thallium | 203-1 | 2542288 | 2553335 | 2595045 | 2563556 | 1.09 | cps |
| Thallium | 205-1 | 6021817 | 6047361 | 6130239 | 6066472 | 0.93 | cps |
| Tin | 118-1 | 2479804 | 2531037 | 2566918 | 2525919 | 1.73 | cps |
| Titanium | 47-1 | 4947267 | 5000596 | 4995977 | 4981280 | 0.59 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCV11 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV11 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 01:17:53 | DataFile Name : | 143CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7748708 | 7822761 | 8114514 | 7895328 | 2.45 | cps |
| Vanadium | 51-2 | 996374 | 977172 | 1000025 | 991190 | 1.24 | cps |
| Yttrium | 89-1 | 10758521 | 10723700 | 10918623 | 10800281 | 0.96 | cps |
| Yttrium | 89-2 | 2403420 | 2459157 | 2437377 | 2433318 | 1.15 | cps |
| Zinc | 66-2 | 1973385 | 2027535 | 2014660 | 2005193 | 1.41 | cps |
| Zirconium | 90-1 | 5665156 | 5840458 | 5863231 | 5789615 | 1.87 | cps |
| Zirconium | 91-1 | 1246003 | 1275001 | 1274173 | 1265059 | 1.30 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB11 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB11 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 01:30:17 | DataFile Name : | 144CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 407 | 447 | 440 | 431 | 4.97 | cps |
| Antimony | 121-1 | 673 | 817 | 940 | 810 | 16.48 | cps |
| Arsenic | 75-2 | 13 | 0 | 13 | 9 | 86.60 | cps |
| Barium | 135-1 | 137 | 150 | 163 | 150 | 8.89 | cps |
| Barium | 137-1 | 243 | 300 | 370 | 304 | 20.84 | cps |
| Beryllium | 9-1 | 97 | 130 | 90 | 106 | 20.30 | cps |
| Bismuth | 209-1 | 5467729 | 5508395 | 5150470 | 5375531 | 3.65 | cps |
| Bismuth | 209-2 | 4855148 | 4807176 | 4784866 | 4815730 | 0.75 | cps |
| Bromine | 81-1 | 7715 | 7265 | 7349 | 7443 | 3.22 | cps |
| Bromine | 81-2 | 63 | 77 | 93 | 78 | 19.33 | cps |
| Cadmium | 108-1 | 13 | 17 | 7 | 12 | 41.65 | cps |
| Cadmium | 106-1 | 2137 | 2150 | 1650 | 1979 | 14.40 | cps |
| Cadmium | 111-1 | 1540 | 1513 | 1207 | 1420 | 13.02 | cps |
| Calcium | 43-1 | 467 | 430 | 403 | 433 | 7.34 | cps |
| Calcium | 44-1 | 12482 | 12773 | 11725 | 12327 | 4.39 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 440 | 590 | 497 | 509 | 14.88 | cps |
| Cobalt | 59-2 | 140 | 140 | 187 | 156 | 17.32 | cps |
| Copper | 63-2 | 1263 | 1237 | 1157 | 1219 | 4.55 | cps |
| Dysprosium | 156-1 | 13 | 33 | 30 | 26 | 41.94 | cps |
| Dysprosium | 156-2 | 13 | 10 | 10 | 11 | 17.30 | cps |
| Erbium | 164-1 | 63 | 80 | 67 | 70 | 12.60 | cps |
| Erbium | 164-2 | 50 | 37 | 40 | 42 | 16.43 | cps |
| Gadolinium | 160-1 | 43 | 13 | 40 | 32 | 51.04 | cps |
| Gadolinium | 160-2 | 290 | 317 | 277 | 294 | 6.92 | cps |
| Holmium | 165-1 | 9462168 | 9485558 | 8722238 | 9223321 | 4.71 | cps |
| Holmium | 165-2 | 6618826 | 6568328 | 6706401 | 6631185 | 1.05 | cps |
| Indium | 115-1 | 8142685 | 8313631 | 7581149 | 8012488 | 4.78 | cps |
| Indium | 115-2 | 2637362 | 2663009 | 2582688 | 2627686 | 1.56 | cps |
| Iron | 56-2 | 21781 | 18558 | 19840 | 20060 | 8.09 | cps |
| Iron | 57-2 | 1387 | 1403 | 1463 | 1418 | 2.84 | cps |
| Iron | 54-2 | 1713 | 1733 | 1853 | 1767 | 4.29 | cps |
| Krypton | 83-1 | 163 | 217 | 200 | 193 | 14.11 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB11 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB11 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 01:30:17 | DataFile Name : | 144CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 573 | 567 | 633 | 591 | 6.21 | cps |
| Lead | 207-1 | 527 | 473 | 487 | 496 | 5.60 | cps |
| Lead | 208-1 | 2427 | 2263 | 2260 | 2317 | 4.11 | cps |
| Lithium | 6-1 | 1630414 | 1700462 | 1514220 | 1615032 | 5.82 | cps |
| Magnesium | 24-2 | 2220 | 2160 | 2317 | 2232 | 3.54 | cps |
| Manganese | 55-2 | 557 | 753 | 780 | 697 | 17.51 | cps |
| Molybdenum | 94-1 | 593 | 677 | 703 | 658 | 8.72 | cps |
| Molybdenum | 95-1 | 723 | 707 | 657 | 696 | 4.99 | cps |
| Molybdenum | 96-1 | 793 | 783 | 707 | 761 | 6.23 | cps |
| Molybdenum | 97-1 | 430 | 403 | 457 | 430 | 6.20 | cps |
| Molybdenum | 98-1 | 1077 | 1093 | 1067 | 1079 | 1.25 | cps |
| Neodymium | 150-1 | 7 | 10 | 13 | 10 | 33.30 | cps |
| Neodymium | 150-2 | 3 | 3 | 7 | 4 | 43.40 | cps |
| Nickel | 60-2 | 183 | 170 | 133 | 162 | 15.96 | cps |
| Phosphorus | 31-2 | 73 | 113 | 97 | 94 | 21.27 | cps |
| Potassium | 39-2 | 44154 | 44672 | 44007 | 44278 | 0.79 | cps |
| Rhodium | 103-1 | 7704255 | 7867371 | 7243085 | 7604904 | 4.26 | cps |
| Rhodium | 103-2 | 4529873 | 4460062 | 4491643 | 4493859 | 0.78 | cps |
| Scandium | 45-1 | 5212297 | 5346523 | 4944503 | 5167774 | 3.96 | cps |
| Scandium | 45-2 | 359260 | 357599 | 356692 | 357851 | 0.36 | cps |
| Selenium | 82-1 | 331 | 273 | 262 | 289 | 12.75 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 197 | 270 | 230 | 232 | 15.81 | cps |
| Silicon | 28-1 | 289898 | 291028 | 289677 | 290201 | 0.25 | cps |
| Silver | 107-1 | 350 | 243 | 187 | 260 | 31.90 | cps |
| Silver | 109-1 | 230 | 207 | 190 | 209 | 9.62 | cps |
| Sodium | 23-2 | 17377 | 17316 | 17443 | 17379 | 0.36 | cps |
| Strontium | 86-1 | 1167 | 1033 | 1143 | 1115 | 6.39 | cps |
| Strontium | 88-1 | 6862 | 6768 | 6938 | 6856 | 1.24 | cps |
| Sulfur | 34-1 | 197644 | 197469 | 199808 | 198307 | 0.66 | cps |
| Terbium | 159-1 | 9984388 | 9811489 | 8876470 | 9557449 | 6.24 | cps |
| Terbium | 159-2 | 6623774 | 6635717 | 6646457 | 6635316 | 0.17 | cps |
| Thallium | 203-1 | 143 | 87 | 110 | 113 | 25.13 | cps |
| Thallium | 205-1 | 330 | 323 | 243 | 299 | 16.14 | cps |
| Tin | 118-1 | 1057 | 1007 | 1133 | 1066 | 5.99 | cps |
| Titanium | 47-1 | 293 | 240 | 300 | 278 | 11.84 | cps |

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

| | | | |
|---|---|---|---|
| LB Number : | LB132155 | Operator : | Jaswal |
| Lab Sample ID : | CCB11 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB11 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2024-08-26 01:30:17 | DataFile Name : | 144CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 230 | 217 | 240 | 229 | 5.12 | cps |
| Vanadium | 51-2 | 33 | 50 | 63 | 49 | 30.75 | cps |
| Yttrium | 89-1 | 10975256 | 10871918 | 10050753 | 10632642 | 4.76 | cps |
| Yttrium | 89-2 | 2543422 | 2544563 | 2537325 | 2541770 | 0.15 | cps |
| Zinc | 66-2 | 850 | 730 | 820 | 800 | 7.81 | cps |
| Zirconium | 90-1 | 677 | 737 | 853 | 756 | 11.89 | cps |
| Zirconium | 91-1 | 133 | 117 | 173 | 141 | 20.64 | cps |

Alliance TECHNICAL GROUP

**Water Mercury Preparation Sheet**

PB162680

**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 :** M4909

**Hood ID :** #1

**Block ID:** 1. HG HOT BLOCK#3 2. N/A

**Start Digest Date:** 08/12/2024 **Time :** 16:13 **Temp :** 94 °C

**End Digest Date:** 08/12/2024 **Time :** 18:13 **Temp :** 95 °C

**Digestion tube ID:** M5586

**Block thermometer ID:** HG-DIG#3

**Dig Technician Signature:** pB

**Supervisor Signature:** JL

**Temp :** 1. 94°C 2. N/A

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| ICV | 30mL | MP81786 |
| CCV | 30mL | MP81788 |
| CRA | 30mL | MP81790 |
| Blank Spike | 0.48mL | MP81779 |
| Matrix Spike | 0.48mL | MP81779 |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| HNO3/H2SO4(1:2) | 2.5mL | MP81818 |
| KMnO4 | 4.5mL | MP81819 |
| K2S2O8 | 2.5mL | MP81820 |
| Hydroxylamine HCL | 2.0mL | MP81821 |
| 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 | MP81780 |
| 0.05 ppb | S0.05 | N/A | N/A |
| 0.2 ppb | S0.2 | 30mL | MP81781 |
| 2.5 ppb | S2.5 | 30mL | MP81782 |
| 5.0 ppb | S5.0 | 30mL | MP81783 |
| 7.5 ppb | S7.5 | 30mL | MP81784 |
| 10.0 ppb | S10.0 | 30mL | MP81785 |
| ICV | ICV | 30mL | MP81786 |
| ICB | ICB | 30mL | MP81787 |
| CCV | CCV | 30mL | MP81788 |
| CCB | CCB | 30mL | MP81789 |
| CRI | CRI | 30mL | MP81790 |
| CHK STD | CHK STD | 30mL | MP81791 |

**Extraction Conformance/Non-Conformance Comments:**

N/A

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 8/13/24 @ 7:40 | pB Dig. Lab | PRO - Metals Lab |
| | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

## Water Mercury Preparation Sheet

**PB162680**

| Lab Sample ID | Client Sample ID | Initial Vol (ml) | Final Vol (ml) | pH | Comment | Prep Pos |
|---|---|---|---|---|---|---|
| P3426-01 | 927-K1-WS-073124 | 30 | 30 | <2 | N/A | 3-20 |
| P3426-02 | 927-K1-WS-073124-FD | 30 | 30 | <2 | N/A | 21 |
| P3429-01 | 926-K1-WS-073124 | 30 | 30 | <2 | N/A | 22 |
| P3429-02 | 931-K1-WS-073124 | 30 | 30 | <2 | N/A | 23 |
| P3429-03 | 925-K1-WS-073124 | 30 | 30 | <2 | N/A | 24 |
| P3440-01 | 923-K1-WS-080124 | 30 | 30 | <2 | N/A | 25 |
| P3440-01DUP | 923-K1-WS-080124DUP | 30 | 30 | <2 | N/A | 26 |
| P3440-02 | P3440-01MS | 30 | 30 | <2 | MP81779 | 27 |
| P3440-03 | P3440-01MSD | 30 | 30 | <2 | MP81779 | 28 |
| P3440-04 | 922-K1-WS-080124 | 30 | 30 | <2 | N/A | 29 |
| P3451-01 | 921-J-WS-080124 | 30 | 30 | <2 | N/A | 30 |
| P3457-01 | 924-K1-WS-080224 | 30 | 30 | <2 | N/A | 31 |
| P3457-02 | 932-K1-WS-080224 | 30 | 30 | <2 | N/A | 32 |
| P3467-01 | 919-J-WS-080224 | 30 | 30 | <2 | N/A | 33 |
| P3497-02 | COMP | 30 | 30 | <2 | N/A | 34 |
| P3532-01 | 806-C | 30 | 30 | <2 | N/A | 35 |
| P3545-01 | BUR-1295 | 30 | 30 | <2 | N/A | 36 |
| PB162680BL | PBW680 | 30 | 30 | <2 | N/A | 37 |
| PB162680BS | LCS680 | 30 | 30 | <2 | MP81779 | 38 |

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** 081224_7470 **WorkList ID :** 182542 **Department :** Digestion **Date :** 08-12-2024 07:28:42

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P3497-02 | COMP | Water | Mercury | 1:1 HNO3 to pH < 2 | ARAM01 | K11 | 08/07/2024 | 7470A |
| P3426-01 | 927-K1-WS-073124 | Water | Mercury | 1:1 HNO3 to pH < 2 | JACO05 | E21 | 07/31/2024 | 7470A |
| P3426-02 | 927-K1-WS-073124-FD | Water | Mercury | 1:1 HNO3 to pH < 2 | JACO05 | E21 | 07/31/2024 | 7470A |
| P3429-01 | 926-K1-WS-073124 | Water | Mercury | 1:1 HNO3 to pH < 2 | JACO05 | D31 | 07/31/2024 | 7470A |
| P3429-02 | 931-K1-WS-073124 | Water | Mercury | 1:1 HNO3 to pH < 2 | JACO05 | D31 | 07/31/2024 | 7470A |
| P3429-03 | 925-K1-WS-073124 | Water | Mercury | 1:1 HNO3 to pH < 2 | JACO05 | D31 | 07/31/2024 | 7470A |
| P3440-01 | 923-K1-WS-080124 | Water | Mercury | 1:1 HNO3 to pH < 2 | JACO05 | D31 | 07/31/2024 | 7470A |
| P3467-01 | 919-J-WS-080224 | Water | Mercury | 1:1 HNO3 to pH < 2 | JACO05 | D31 | 08/01/2024 | 7470A |
| P3440-02 | P3440-01MS | Water | Mercury | 1:1 HNO3 to pH < 2 | JACO05 | D21 | 08/02/2024 | 7470A |
| P3440-03 | P3440-01MSD | Water | Mercury | 1:1 HNO3 to pH < 2 | JACO05 | D31 | 08/01/2024 | 7470A |
| P3440-04 | 922-K1-WS-080124 | Water | Mercury | 1:1 HNO3 to pH < 2 | JACO05 | D31 | 08/01/2024 | 7470A |
| P3451-01 | 921-J-WS-080124 | Water | Mercury | 1:1 HNO3 to pH < 2 | JACO05 | D31 | 08/01/2024 | 7470A |
| P3457-01 | 924-K1-WS-080224 | Water | Mercury | 1:1 HNO3 to pH < 2 | JACO05 | D31 | 08/01/2024 | 7470A |
| P3457-02 | 932-K1-WS-080224 | Water | Mercury | 1:1 HNO3 to pH < 2 | JACO05 | J21 | 08/02/2024 | 7470A |
| P3532-01 | 806-C | Water | Mercury | 1:1 HNO3 to pH < 2 | JACO05 | J21 | 08/02/2024 | 7470A |
| P3545-01 | BUR-1295 | Water | Mercury | 1:1 HNO3 to pH < 2 | PSEG03 | D21 | 08/08/2024 | 7470A |

**Date/Time** 8/12/24 @ 15:40

**Raw Sample Received by:** [illegible]

**Raw Sample Relinquished by:** [illegible]

**Date/Time** 8/12/24 @ 16:20

**Raw Sample Received by:** [illegible]

**Raw Sample Relinquished by:** [illegible]

Alliance TECHNICAL GROUP

**Water Metals Preparation Sheet**

PB162950

**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 :** M4909

**Hood ID :** #3

**Block ID:** 1. HOT BLOCK #1 2. N/A

**Start Digest Date:** 08/23/2024 **Time :** 15:00 **Temp :** 95 °C

**End Digest Date:** 08/23/2024 **Time :** 17:00 **Temp :** 96 °C

**Digestion tube ID:** M5595

**Block thermometer ID:** MET-DIG. #1

**Dig Technician Signature:**

**Supervisor Signature:**

**Temp :** 1. 96°C 2. N/A

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| Spike Sol 1 | 0.50 | MP81889 |
| Spike Sol 2 | 1.00 | MP81890 |
| Spike Sol 3 | 1.00 | MP81891 |
| Spike Sol 4 | 1.00 | MP81892 |
| Spike Sol 5 | 0.50 | MP81946 |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| Conc. HNO3 | 3.00 | M6036 |
| 1:1 HCL | 5.00 | M79051 |
| 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:**

N/A

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 08/23/24 17:20 | [illegible] MET-DIG | [illegible] (Metals 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| P3426-01 | 927-K1-WS-073124 | <2 | 50 | 50 | Colorless | Colorless | Clear | N/A | N/A | 1 |
| P3426-02 | 927-K1-WS-073124-FD | <2 | 50 | 50 | Colorless | Colorless | Clear | N/A | N/A | 2 |
| P3429-01 | 926-K1-WS-073124 | <2 | 50 | 50 | Colorless | Colorless | Clear | N/A | N/A | 3 |
| P3429-02 | 931-K1-WS-073124 | <2 | 50 | 50 | Colorless | Colorless | Clear | N/A | N/A | 4 |
| P3429-03 | 925-K1-WS-073124 | <2 | 50 | 50 | Colorless | Colorless | Clear | N/A | N/A | 5 |
| P3440-01 | 923-K1-WS-080124 | <2 | 50 | 50 | Colorless | Colorless | Clear | N/A | N/A | 6 |
| P3440-01DUP | 923-K1-WS-080124DUP | <2 | 50 | 50 | Colorless | Colorless | Clear | N/A | N/A | 21 |
| P3440-02 | P3440-01MS | <2 | 50 | 50 | Colorless | Colorless | Clear | N/A | MP81889,MP81890,MP81891,M | 7 |
| P3440-03 | P3440-01MSD | <2 | 50 | 50 | Colorless | Colorless | Clear | N/A | MP81889,MP81890,MP81891,M | 8 |
| P3440-04 | 922-K1-WS-080124 | <2 | 50 | 50 | Colorless | Colorless | Clear | N/A | N/A | 9 |
| P3451-01 | 921-J-WS-080124 | <2 | 50 | 50 | Colorless | Colorless | Clear | N/A | N/A | 13 |
| P3457-01 | 924-K1-WS-080224 | <2 | 50 | 50 | Colorless | Colorless | Clear | N/A | N/A | 14 |
| P3457-02 | 932-K1-WS-080224 | <2 | 50 | 50 | Colorless | Colorless | Clear | N/A | N/A | 15 |
| P3467-01 | 919-J-WS-080224 | <2 | 50 | 50 | Colorless | Colorless | Clear | N/A | N/A | 16 |
| P3609-01 | 915-J-WS-081424 | <2 | 50 | 50 | Colorless | Colorless | Clear | N/A | N/A | 17 |
| P3609-02 | 920-J-WS-081424 | <2 | 50 | 50 | Colorless | Colorless | Clear | N/A | N/A | 18 |
| PB162950BL | PBW950 | <2 | 50 | 50 | Colorless | Colorless | Clear | N/A | N/A | 19 |
| PB162950BS | LCS950 | <2 | 50 | 50 | Colorless | Colorless | Clear | N/A | MP81889,MP81890,MP81891,M | 20 |

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** PB162950 **WorkList ID :** 182929 **Department :** Digestion **Date :** 08-23-2024 14:26:15



| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P3426-01 | 927-K1-WS-073124 | Water | Metals Group4 | 1:1 HNO3 to pH < 2 | JACO05 | E21 | 07/31/2024 | 6020B |
| P3426-02 | 927-K1-WS-073124-FD | Water | Metals Group4 | 1:1 HNO3 to pH < 2 | JACO05 | E21 | 07/31/2024 | 6020B |
| P3429-01 | 926-K1-WS-073124 | Water | Metals Group4 | 1:1 HNO3 to pH < 2 | JACO05 | D31 | 07/31/2024 | 6020B |
| P3429-02 | 931-K1-WS-073124 | Water | Metals Group4 | 1:1 HNO3 to pH < 2 | JACO05 | D31 | 07/31/2024 | 6020B |
| P3429-03 | 925-K1-WS-073124 | Water | Metals Group4 | 1:1 HNO3 to pH < 2 | JACO05 | D31 | 07/31/2024 | 6020B |
| P3440-01 | 923-K1-WS-080124 | Water | Metals Group4 | 1:1 HNO3 to pH < 2 | JACO05 | D31 | 08/01/2024 | 6020B |
| P3440-02 | P3440-01MS | Water | Metals Group4 | 1:1 HNO3 to pH < 2 | JACO05 | D31 | 08/01/2024 | 6020B |
| P3440-03 | P3440-01MSD | Water | Metals Group4 | 1:1 HNO3 to pH < 2 | JACO05 | D31 | 08/01/2024 | 6020B |
| P3440-04 | 922-K1-WS-080124 | Water | Metals Group4 | 1:1 HNO3 to pH < 2 | JACO05 | D31 | 08/01/2024 | 6020B |
| P3451-01 | 921-J-WS-080124 | Water | Metals Group4 | 1:1 HNO3 to pH < 2 | JACO05 | D31 | 08/01/2024 | 6020B |
| P3457-01 | 924-K1-WS-080224 | Water | Metals Group4 | 1:1 HNO3 to pH < 2 | JACO05 | J21 | 08/02/2024 | 6020B |
| P3457-02 | 932-K1-WS-080224 | Water | Metals Group4 | 1:1 HNO3 to pH < 2 | JACO05 | J21 | 08/02/2024 | 6020B |
| P3467-01 | 919-J-WS-080224 | Water | Metals Group4 | 1:1 HNO3 to pH < 2 | JACO05 | D21 | 08/02/2024 | 6020B |
| P3609-01 | 915-J-WS-081424 | Water | Metals Group4 | 1:1 HNO3 to pH < 2 | JACO05 | D21 | 08/14/2024 | 6020B |
| P3609-02 | 920-J-WS-081424 | Water | Metals Group4 | 1:1 HNO3 to pH < 2 | JACO05 | D21 | 08/14/2024 | 6020B |

**Date/Time** 08/23/24 14:35

**Raw Sample Received by:**

**Raw Sample Relinquished by:**

**Date/Time** 08/23/24 17:30

**Raw Sample Received by:**

**Raw Sample Relinquished by:**

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

**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB131960

| | | | |
|---|---|---|---|
| Review By | jaswal | Review On | 8/13/2024 10:45:46 PM |
| Supervise By | mohan | Supervise On | 8/13/2024 10:47:32 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP81780,MP81781,MP81782,MP81783,MP81784,MP81785 |
| ICV Standard | MP81786 |
| CCV Standard | MP81788 |
| ICSA Standard | |
| CRI Standard | MP81790 |
| LCS Standard | |
| Chk Standard | MP81787,MP81789,MP81791,MP81804 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | S0 | S0 | CAL1 | 08/13/24 08:36 | | mohan | OK |
| 2 | S0.2 | S0.2 | CAL2 | 08/13/24 08:39 | | mohan | OK |
| 3 | S2.5 | S2.5 | CAL3 | 08/13/24 08:41 | | mohan | OK |
| 4 | S5 | S5 | CAL4 | 08/13/24 08:43 | | mohan | OK |
| 5 | S7.5 | S7.5 | CAL5 | 08/13/24 08:45 | | mohan | OK |
| 6 | S10 | S10 | CAL6 | 08/13/24 08:50 | | mohan | OK |
| 7 | ICV72 | ICV72 | ICV | 08/13/24 08:53 | | mohan | OK |
| 8 | ICB72 | ICB72 | ICB | 08/13/24 08:55 | | mohan | OK |
| 9 | CCV35 | CCV35 | CCV | 08/13/24 08:58 | | mohan | OK |
| 10 | CCB35 | CCB35 | CCB | 08/13/24 09:03 | | mohan | OK |
| 11 | CRA | CRA | CRDL | 08/13/24 09:10 | | mohan | OK |
| 12 | HighStd | HighStd | HIGH STD | 08/13/24 09:12 | | mohan | OK |
| 13 | ChkStd | ChkStd | SAM | 08/13/24 09:14 | | mohan | OK |
| 14 | PB162665BL | PB162665BL | MB | 08/13/24 09:17 | | mohan | OK |
| 15 | PB162665BS | PB162665BS | LCS | 08/13/24 09:19 | | mohan | OK |
| 16 | P3526-02 | SP-1-COMP | SAM | 08/13/24 09:21 | | mohan | OK |
| 17 | P3534-01 | PIPE-BLAST-GRIT | SAM | 08/13/24 09:24 | | mohan | OK |
| 18 | P3534-03 | HP-IP | SAM | 08/13/24 09:26 | | mohan | OK |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB131960

| | | | |
|---|---|---|---|
| Review By | jaswal | Review On | 8/13/2024 10:45:46 PM |
| Supervise By | mohan | Supervise On | 8/13/2024 10:47:32 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP81780,MP81781,MP81782,MP81783,MP81784,MP81785 |
| ICV Standard | MP81786 |
| CCV Standard | MP81788 |
| ICSA Standard | |
| CRI Standard | MP81790 |
| LCS Standard | |
| Chk Standard | MP81787,MP81789,MP81791,MP81804 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | P3534-03DUP | HP-IPDUP | DUP | 08/13/24 09:28 | | mohan | OK |
| 20 | P3534-03MS | HP-IPMS | MS | 08/13/24 09:30 | | mohan | OK |
| 21 | CCV36 | CCV36 | CCV | 08/13/24 09:33 | | mohan | OK |
| 22 | CCB36 | CCB36 | CCB | 08/13/24 09:35 | | mohan | OK |
| 23 | P3534-03MSD | HP-IPMSD | MSD | 08/13/24 09:37 | | mohan | OK |
| 24 | PB162681BL | PB162681BL | MB | 08/13/24 09:39 | | mohan | OK |
| 25 | PB162681BS | PB162681BS | LCS | 08/13/24 09:42 | | mohan | OK |
| 26 | P3530-02 | WC-A-04-202408 | SAM | 08/13/24 09:44 | | mohan | OK |
| 27 | P3530-02DUP | WC-A-04-202408DUP | DUP | 08/13/24 09:46 | | mohan | OK |
| 28 | P3530-02MS | WC-A-04-202408MS | MS | 08/13/24 09:49 | | mohan | OK |
| 29 | P3530-02MSD | WC-A-04-202408MSD | MSD | 08/13/24 09:51 | | mohan | OK |
| 30 | P3530-03 | WC-A-05-202408 | SAM | 08/13/24 09:53 | | mohan | OK |
| 31 | P3534-05 | PIPE-BLAST-GRIT(FB | SAM | 08/13/24 09:55 | | mohan | OK |
| 32 | P3534-06 | HP-IP(FB) | SAM | 08/13/24 09:58 | | mohan | OK |
| 33 | CCV37 | CCV37 | CCV | 08/13/24 10:00 | | mohan | OK |
| 34 | CCB37 | CCB37 | CCB | 08/13/24 10:05 | | mohan | OK |
| 35 | PB162680BL | PB162680BL | MB | 08/13/24 10:07 | | mohan | OK |
| 36 | PB162680BS | PB162680BS | LCS | 08/13/24 10:09 | | mohan | OK |
| 37 | P3426-01 | 927-K1-WS-073124 | SAM | 08/13/24 10:12 | | mohan | OK |
| 38 | P3426-02 | 927-K1-WS-073124-F | SAM | 08/13/24 10:14 | | mohan | OK |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB131960

| | | | |
|---|---|---|---|
| Review By | jaswal | Review On | 8/13/2024 10:45:46 PM |
| Supervise By | mohan | Supervise On | 8/13/2024 10:47:32 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP81780,MP81781,MP81782,MP81783,MP81784,MP81785 |
| ICV Standard | MP81786 |
| CCV Standard | MP81788 |
| ICSA Standard | |
| CRI Standard | MP81790 |
| LCS Standard | |
| Chk Standard | MP81787,MP81789,MP81791,MP81804 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 39 | P3429-01 | 926-K1-WS-073124 | SAM | 08/13/24 10:16 | | mohan | OK |
| 40 | P3429-02 | 931-K1-WS-073124 | SAM | 08/13/24 10:19 | | mohan | OK |
| 41 | P3429-03 | 925-K1-WS-073124 | SAM | 08/13/24 10:21 | | mohan | OK |
| 42 | P3440-01 | 923-K1-WS-080124 | SAM | 08/13/24 10:23 | | mohan | OK |
| 43 | P3440-01DUP | 923-K1-WS-080124DU | DUP | 08/13/24 10:25 | | mohan | OK |
| 44 | P3440-02 | 923-K1-WS-080124M | MS | 08/13/24 10:28 | | mohan | OK |
| 45 | CCV38 | CCV38 | CCV | 08/13/24 10:30 | | mohan | OK |
| 46 | CCB38 | CCB38 | CCB | 08/13/24 10:35 | | mohan | OK |
| 47 | P3440-03 | 923-K1-WS-080124M | MSD | 08/13/24 10:37 | | mohan | OK |
| 48 | P3440-04 | 922-K1-WS-080124 | SAM | 08/13/24 10:39 | | mohan | OK |
| 49 | P3451-01 | 921-J-WS-080124 | SAM | 08/13/24 10:42 | | mohan | OK |
| 50 | P3457-01 | 924-K1-WS-080224 | SAM | 08/13/24 10:44 | | mohan | OK |
| 51 | P3457-02 | 932-K1-WS-080224 | SAM | 08/13/24 10:46 | | mohan | OK |
| 52 | P3467-01 | 919-J-WS-080224 | SAM | 08/13/24 10:49 | | mohan | OK |
| 53 | P3497-02 | COMP | SAM | 08/13/24 10:51 | | mohan | OK |
| 54 | P3532-01 | 806-C | SAM | 08/13/24 10:53 | | mohan | OK |
| 55 | P3545-01 | BUR-1295 | SAM | 08/13/24 10:55 | | mohan | OK |
| 56 | CCV39 | CCV39 | CCV | 08/13/24 10:58 | | mohan | OK |
| 57 | CCB39 | CCB39 | CCB | 08/13/24 11:04 | | mohan | OK |
| 58 | PB162588TB | PB162588TB | MB | 08/13/24 11:06 | | mohan | OK |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB131960

| | | | |
|---|---|---|---|
| Review By | jaswal | Review On | 8/13/2024 10:45:46 PM |
| Supervise By | mohan | Supervise On | 8/13/2024 10:47:32 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP81780,MP81781,MP81782,MP81783,MP81784,MP81785 |
| ICV Standard | MP81786 |
| CCV Standard | MP81788 |
| ICSA Standard | |
| CRI Standard | MP81790 |
| LCS Standard | |
| Chk Standard | MP81787,MP81789,MP81791,MP81804 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 59 | PB162590TB | PB162590TB | MB | 08/13/24 11:08 | | mohan | OK |
| 60 | P3534-03L | HP-IPL | SD | 08/13/24 11:10 | | mohan | OK |
| 61 | P3534-03A | HP-IPA | PS | 08/13/24 11:13 | | mohan | OK |
| 62 | P3530-02L | WC-A-04-202408L | SD | 08/13/24 11:15 | | mohan | OK |
| 63 | P3530-02A | WC-A-04-202408A | PS | 08/13/24 11:17 | | mohan | OK |
| 64 | P3440-01L | 923-K1-WS-080124L | SD | 08/13/24 11:19 | | mohan | OK |
| 65 | P3440-01A | 923-K1-WS-080124A | PS | 08/13/24 11:22 | | mohan | OK |
| 66 | CCV40 | CCV40 | CCV | 08/13/24 11:24 | | mohan | OK |
| 67 | CCB40 | CCB40 | CCB | 08/13/24 11:26 | | mohan | OK |

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**Instrument ID:** P7

## Daily Analysis Runlog For Sequence/QCBatch ID # LB132155

| | | | |
|---|---|---|---|
| Review By | Jaswal | Review On | 8/26/2024 3:22:52 PM |
| Supervise By | mohan | Supervise On | 8/26/2024 3:35:59 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP81795,MP81805,MPMP81803,MP81801,MP81800,MP81799,MP81798,MP81797,MP81796 |
| ICV Standard | MP82109 |
| CCV Standard | MP81807 |
| ICSA Standard | MP81808,MP81809 |
| CRI Standard | MP81803 |
| LCS Standard | |
| Chk Standard | MP81816,MP81814 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | TUNE | TUNE | TUNE | 08/25/24 13:10 | | Jaswal | OK |
| 2 | S0 | S0 | CAL1 | 08/25/24 14:38 | | Jaswal | OK |
| 3 | S2 | S2 | CAL3 | 08/25/24 14:42 | | Jaswal | OK |
| 4 | S3 | S3 | CAL4 | 08/25/24 14:45 | | Jaswal | OK |
| 5 | S4 | S4 | CAL5 | 08/25/24 14:48 | | Jaswal | OK |
| 6 | S5 | S5 | CAL6 | 08/25/24 14:51 | | Jaswal | OK |
| 7 | S6 | S6 | CAL7 | 08/25/24 14:54 | | Jaswal | OK |
| 8 | S7 | S7 | CAL8 | 08/25/24 14:57 | | Jaswal | OK |
| 9 | S8 | S8 | CAL9 | 08/25/24 14:59 | | Jaswal | OK |
| 10 | ICV01 | ICV01 | ICV | 08/25/24 16:38 | | Jaswal | OK |
| 11 | LLICV | LLICV | LLICV | 08/25/24 17:02 | | Jaswal | OK |
| 12 | ICB01 | ICB01 | ICB | 08/25/24 17:05 | | Jaswal | OK |
| 13 | ICSA01 | ICSA01 | ICSA | 08/25/24 17:08 | | Jaswal | OK |
| 14 | ICSAB01 | ICSAB01 | ICSAB | 08/25/24 17:11 | | Jaswal | OK |
| 15 | CCV01 | CCV01 | CCV | 08/25/24 17:14 | | Jaswal | OK |
| 16 | CCB01 | CCB01 | CCB | 08/25/24 17:23 | | Jaswal | OK |
| 17 | CRI | CRI | CRDL | 08/25/24 17:26 | | Jaswal | OK |
| 18 | PB162950BL | PB162950BL | MB | 08/25/24 17:31 | | Jaswal | OK |

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**Instrument ID:** P7

## Daily Analysis Runlog For Sequence/QCBatch ID # LB132155

| | | | |
|---|---|---|---|
| Review By | Jaswal | Review On | 8/26/2024 3:22:52 PM |
| Supervise By | mohan | Supervise On | 8/26/2024 3:35:59 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP81795,MP81805,MPMP81803,MP81801,MP81800,MP81799,MP81798,MP81797,MP81796 |
| ICV Standard | MP82109 |
| CCV Standard | MP81807 |
| ICSA Standard | MP81808,MP81809 |
| CRI Standard | MP81803 |
| LCS Standard | |
| Chk Standard | MP81816,MP81814 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | PB162950BS | PB162950BS | LCS | 08/25/24 17:34 | | Jaswal | OK |
| 20 | P3426-01 | 927-K1-WS-073124 | SAM | 08/25/24 17:41 | | Jaswal | OK |
| 21 | P3426-02 | 927-K1-WS-073124-F | SAM | 08/25/24 17:44 | | Jaswal | OK |
| 22 | P3429-01 | 926-K1-WS-073124 | SAM | 08/25/24 17:47 | | Jaswal | OK |
| 23 | P3429-02 | 931-K1-WS-073124 | SAM | 08/25/24 17:50 | | Jaswal | OK |
| 24 | P3429-03 | 925-K1-WS-073124 | SAM | 08/25/24 17:53 | | Jaswal | OK |
| 25 | P3451-01 | 921-J-WS-080124 | SAM | 08/25/24 17:57 | | Jaswal | OK |
| 26 | P3467-01 | 919-J-WS-080224 | SAM | 08/25/24 18:00 | | Jaswal | OK |
| 27 | CCV02 | CCV02 | CCV | 08/25/24 18:03 | | Jaswal | OK |
| 28 | CCB02 | CCB02 | CCB | 08/25/24 18:09 | | Jaswal | OK |
| 29 | P3440-01 | 923-K1-WS-080124 | SAM | 08/25/24 18:13 | | Jaswal | OK |
| 30 | P3440-01DUP | 923-K1-WS-080124D | DUP | 08/25/24 18:16 | | Jaswal | OK |
| 31 | P3440-01L | 923-K1-WS-080124L | SD | 08/25/24 18:19 | | Jaswal | OK |
| 32 | P3440-04 | 922-K1-WS-080124 | SAM | 08/25/24 18:22 | | Jaswal | OK |
| 33 | P3440-02 | 923-K1-WS-080124M | MS | 08/25/24 18:25 | MS fail for Ag | Jaswal | OK |
| 34 | P3440-03 | 923-K1-WS-080124M | MSD | 08/25/24 18:28 | | Jaswal | OK |
| 35 | P3440-01A | 923-K1-WS-080124A | PS | 08/25/24 18:31 | Not use | Jaswal | Not Ok |
| 36 | P3457-01 | 924-K1-WS-080224 | SAM | 08/25/24 18:34 | | Jaswal | OK |
| 37 | P3457-02 | 932-K1-WS-080224 | SAM | 08/25/24 18:37 | | Jaswal | OK |
| 38 | P3609-01 | 915-J-WS-081424 | SAM | 08/25/24 18:40 | NOT USE | Jaswal | Not Ok |

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**Instrument ID:** P7

## Daily Analysis Runlog For Sequence/QCBatch ID # LB132155

| | | | |
|---|---|---|---|
| Review By | Jaswal | Review On | 8/26/2024 3:22:52 PM |
| Supervise By | mohan | Supervise On | 8/26/2024 3:35:59 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP81795,MP81805,MPMP81803,MP81801,MP81800,MP81799,MP81798,MP81797,MP81796 |
| ICV Standard | MP82109 |
| CCV Standard | MP81807 |
| ICSA Standard | MP81808,MP81809 |
| CRI Standard | MP81803 |
| LCS Standard | |
| Chk Standard | MP81816,MP81814 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 39 | CCV03 | CCV03 | CCV | 08/25/24 18:43 | | Jaswal | OK |
| 40 | CCB03 | CCB03 | CCB | 08/25/24 18:49 | | Jaswal | OK |
| 41 | P3609-02 | 920-J-WS-081424 | SAM | 08/25/24 18:55 | NOT USE | Jaswal | Not Ok |
| 42 | PB162951BL | PB162951BL | MB | 08/25/24 18:58 | | Jaswal | OK |
| 43 | PB162951BS | PB162951BS | LCS | 08/25/24 19:02 | | Jaswal | OK |
| 44 | P3580-01 | 926-K1-SD-0-0.5-0811 | SAM | 08/25/24 19:05 | Int std 89y(1) fail | Jaswal | Dilution |
| 45 | P3580-01DL | 926-K1-SD-0-0.5-0811 | SAM | 08/25/24 19:08 | 5X for Int std 89y(1) | Jaswal | Confirms |
| 46 | P3580-02 | 926-K1-SD-0.5-1-0811 | SAM | 08/25/24 19:11 | | Jaswal | OK |
| 47 | P3580-02DL | 926-K1-SD-0.5-1-0811 | SAM | 08/25/24 19:14 | Not used | Jaswal | Not Ok |
| 48 | P3580-03 | 925-K1-SD-0-0.5-0811 | SAM | 08/25/24 19:17 | Int std 89y(1) fail | Jaswal | Dilution |
| 49 | P3580-03DL | 925-K1-SD-0-0.5-0811 | SAM | 08/25/24 19:21 | 5X for Int std 89y(1) | Jaswal | Confirms |
| 50 | P3580-04DL | 925-K1-SD-0.5-1-0811 | SAM | 08/25/24 19:24 | Not used | Jaswal | Not Ok |
| 51 | CCV04 | CCV04 | CCV | 08/25/24 19:27 | | Jaswal | OK |
| 52 | CCB04 | CCB04 | CCB | 08/25/24 19:33 | | Jaswal | OK |
| 53 | P3580-04 | 925-K1-SD-0.5-1-0811 | SAM | 08/25/24 19:37 | | Jaswal | OK |
| 54 | P3580-05 | 923-K1-SD-0-0.5-0811 | SAM | 08/25/24 19:40 | Int std 89y(1&2) fail | Jaswal | Dilution |
| 55 | P3580-05DL | 923-K1-SD-0-0.5-0811 | SAM | 08/25/24 19:48 | 5X for Int std 89y(1&2) | Jaswal | Confirms |
| 56 | P3580-06 | 923-K1-SD-0.5-1-0811 | SAM | 08/25/24 19:51 | Int std 89y(1&2) fail | Jaswal | Dilution |
| 57 | P3580-06DL | 923-K1-SD-0.5-1-0811 | SAM | 08/25/24 19:54 | 5X for Int std 89y(1&2) | Jaswal | Confirms |
| 58 | P3580-07 | 922-K1-SD-0-0.5-0811 | SAM | 08/25/24 19:58 | Int std 89y(1&2) fail | Jaswal | Dilution |

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**Instrument ID:** P7

## Daily Analysis Runlog For Sequence/QCBatch ID # LB132155

| | | | |
|---|---|---|---|
| Review By | Jaswal | Review On | 8/26/2024 3:22:52 PM |
| Supervise By | mohan | Supervise On | 8/26/2024 3:35:59 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP81795,MP81805,MPMP81803,MP81801,MP81800,MP81799,MP81798,MP81797,MP81796 |
| ICV Standard | MP82109 |
| CCV Standard | MP81807 |
| ICSA Standard | MP81808,MP81809 |
| CRI Standard | MP81803 |
| LCS Standard | |
| Chk Standard | MP81816,MP81814 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 59 | P3580-07DL | 922-K1-SD-0-0.5-081 | SAM | 08/25/24 20:01 | 5X for Int std 89y(1&2) | Jaswal | Confirms |
| 60 | P3580-08 | 922-K1-SD-0.5-1-081 | SAM | 08/25/24 20:04 | Int std 89y(1&2) fail | Jaswal | Dilution |
| 61 | P3580-08DL | 922-K1-SD-0.5-1-081 | SAM | 08/25/24 20:07 | 5X for Int std 89y(1&2) | Jaswal | Confirms |
| 62 | P3580-08DUPDL | 922-K1-SD-0.5-1-081 | DUP | 08/25/24 20:11 | 5X for Int std 89y(1&2) | Jaswal | Confirms |
| 63 | CCV05 | CCV05 | CCV | 08/25/24 20:14 | | Jaswal | OK |
| 64 | CCB05 | CCB05 | CCB | 08/25/24 20:29 | | Jaswal | OK |
| 65 | P3580-08DUP | 922-K1-SD-0.5-1-081 | DUP | 08/25/24 20:32 | Int std 89y(1&2) fail | Jaswal | Dilution |
| 66 | P3580-08L | 922-K1-SD-0.5-1-081 | SD | 08/25/24 20:35 | Int std 89y(1&2) fail | Jaswal | Dilution |
| 67 | P3580-08LDL | 922-K1-SD-0.5-1-081 | SD | 08/25/24 20:39 | 25X for Int std 89y(1&2) | Jaswal | Confirms |
| 68 | P3580-08MS | 922-K1-SD-0.5-1-081 | MS | 08/25/24 20:42 | Int std 89y(1&2) fail | Jaswal | Dilution |
| 69 | P3580-08MSDL | 922-K1-SD-0.5-1-081 | MS | 08/25/24 20:45 | 5X for Int std 89y(1&2) | Jaswal | Confirms |
| 70 | P3580-08MSD | 922-K1-SD-0.5-1-081 | MSD | 08/25/24 20:48 | Int std 89y(1&2) fail | Jaswal | Dilution |
| 71 | P3580-08MSDDL | 922-K1-SD-0.5-1-081 | MSD | 08/25/24 20:51 | 5X for Int std 89y(1&2) | Jaswal | Confirms |
| 72 | P3580-08A | 922-K1-SD-0.5-1-081 | PS | 08/25/24 20:54 | Int std 89y(1&2) fail,PS for Al,Mo,Ag | Jaswal | Dilution |
| 73 | P3580-08ADL | 922-K1-SD-0.5-1-081 | PS | 08/25/24 20:56 | PS for Mo | Jaswal | Confirms |
| 74 | P3440-02RE | 923-K1-WS-080124M | MS | 08/25/24 20:59 | Not used | Jaswal | Not Ok |
| 75 | CCV06 | CCV06 | CCV | 08/25/24 21:02 | | Jaswal | OK |
| 76 | CCB06 | CCB06 | CCB | 08/25/24 21:14 | | Jaswal | OK |
| 77 | P3440-03RE | 923-K1-WS-080124M | MSD | 08/25/24 21:17 | Not used | Jaswal | Not Ok |

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**Instrument ID:** P7

## Daily Analysis Runlog For Sequence/QCBatch ID # LB132155

| | | | |
|---|---|---|---|
| Review By | Jaswal | Review On | 8/26/2024 3:22:52 PM |
| Supervise By | mohan | Supervise On | 8/26/2024 3:35:59 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP81795,MP81805,MPMP81803,MP81801,MP81800,MP81799,MP81798,MP81797,MP81796 |
| ICV Standard | MP82109 |
| CCV Standard | MP81807 |
| ICSA Standard | MP81808,MP81809 |
| CRI Standard | MP81803 |
| LCS Standard | |
| Chk Standard | MP81816,MP81814 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 78 | P3440-01ARE | 923-K1-WS-080124AI | PS | 08/25/24 21:20 | Not used | Jaswal | Not Ok |
| 79 | PB162888BL | PB162888BL | MB | 08/25/24 21:22 | | Jaswal | OK |
| 80 | PB162888BS | PB162888BS | LCS | 08/25/24 21:26 | | Jaswal | OK |
| 81 | P3671-01 | S-904-J-SO-0-0.5-081 | SAM | 08/25/24 21:29 | | Jaswal | OK |
| 82 | P3671-01DL | S-904-J-SO-0-0.5-081 | SAM | 08/25/24 21:32 | Not used | Jaswal | Not Ok |
| 83 | P3671-02 | S-904-J-SO-0.5-1.0-0 | SAM | 08/25/24 21:35 | Int std 89y(1&2) fail,Al high | Jaswal | Dilution |
| 84 | P3671-02DL | S-904-J-SO-0.5-1.0-0 | SAM | 08/25/24 21:38 | 5X for Int std 89y(1&2) & Al | Jaswal | Confirms |
| 85 | P3671-03 | S-911-K1-SO-0-0.5-08 | SAM | 08/25/24 21:41 | | Jaswal | OK |
| 86 | P3671-03DL | S-911-K1-SO-0-0.5-08 | SAM | 08/25/24 21:44 | Not used | Jaswal | Not Ok |
| 87 | CCV07 | CCV07 | CCV | 08/25/24 21:47 | | Jaswal | OK |
| 88 | CCB07 | CCB07 | CCB | 08/25/24 21:55 | | Jaswal | OK |
| 89 | P3671-04 | S-911-K1-SO-0.5-1-08 | SAM | 08/25/24 22:00 | Int std 89y(1&2) fail & Mn high | Jaswal | Dilution |
| 90 | P3671-04DL | S-911-K1-SO-0.5-1-08 | SAM | 08/25/24 22:03 | 5X for Int std 89y(1&2) & Mn | Jaswal | Confirms |
| 91 | P3671-05 | S-911-K1-SO-0-0.5-08 | SAM | 08/25/24 22:06 | Int std 89y(1) fail | Jaswal | Dilution |
| 92 | P3671-05DL | S-911-K1-SO-0-0.5-08 | SAM | 08/25/24 22:09 | 5X for Int std 89y(1) | Jaswal | Confirms |
| 93 | P3671-06 | S-905-KJ-SO-0-0.5-08 | SAM | 08/25/24 22:12 | | Jaswal | OK |
| 94 | P3671-06DL | S-905-KJ-SO-0-0.5-08 | SAM | 08/25/24 22:16 | Not used | Jaswal | Not Ok |
| 95 | P3671-07 | S-905-KJ-SO-0-0.5-08 | SAM | 08/25/24 22:19 | Int std 89y(1&2) fail & Al high | Jaswal | Dilution |
| 96 | P3671-07DL | S-905-KJ-SO-0-0.5-08 | SAM | 08/25/24 22:22 | 5X for Int std 89y(1&2) & Al | Jaswal | Confirms |

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**Instrument ID:** P7

## Daily Analysis Runlog For Sequence/QCBatch ID # LB132155

| | | | |
|---|---|---|---|
| Review By | Jaswal | Review On | 8/26/2024 3:22:52 PM |
| Supervise By | mohan | Supervise On | 8/26/2024 3:35:59 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP81795,MP81805,MPMP81803,MP81801,MP81800,MP81799,MP81798,MP81797,MP81796 |
| ICV Standard | MP82109 |
| CCV Standard | MP81807 |
| ICSA Standard | MP81808,MP81809 |
| CRI Standard | MP81803 |
| LCS Standard | |
| Chk Standard | MP81816,MP81814 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 97 | P3671-08 | S-905-J-SO-0.5-1.0-0 | SAM | 08/25/24 22:25 | Int std 89y(1&2) fail & Al high | Jaswal | Dilution |
| 98 | P3671-08DL | S-905-J-SO-0.5-1.0-0 | SAM | 08/25/24 22:28 | 5X for Int std 89y(1&2) & Al | Jaswal | Confirms |
| 99 | CCV08 | CCV08 | CCV | 08/25/24 22:31 | | Jaswal | OK |
| 100 | CCB08 | CCB08 | CCB | 08/25/24 22:50 | | Jaswal | OK |
| 101 | P3671-09 | S-928-K1-SO-0-0.5-08 | SAM | 08/25/24 22:54 | Int std 89y(1&2) fail & Mn high | Jaswal | Dilution |
| 102 | P3671-09DL | S-928-K1-SO-0-0.5-08 | SAM | 08/25/24 22:57 | 5X for Int std 89y(1&2) & Mn | Jaswal | Confirms |
| 103 | P3671-10 | S-928-K1-SO-0.5-1-08 | SAM | 08/25/24 23:00 | Int std 89y(1&2) fail & Mn high | Jaswal | Dilution |
| 104 | P3671-10DL | S-928-K1-SO-0.5-1-08 | SAM | 08/25/24 23:03 | 5X for Int std 89y(1&2) & Mn | Jaswal | Confirms |
| 105 | P3671-11 | S-903-J-SO-0-0.5-081 | SAM | 08/25/24 23:06 | Al high | Jaswal | Dilution |
| 106 | P3671-11DL | S-903-J-SO-0-0.5-081 | SAM | 08/25/24 23:09 | 5X for Al | Jaswal | Confirms |
| 107 | P3671-12 | S-903-J-SO-0.5-1.0-0 | SAM | 08/25/24 23:12 | Al, Fe high | Jaswal | Dilution |
| 108 | P3671-12DL | S-903-J-SO-0.5-1.0-0 | SAM | 08/25/24 23:15 | 5X for Al, Fe | Jaswal | Confirms |
| 109 | P3671-13 | S-912-J-SO-0-0.5-081 | SAM | 08/25/24 23:19 | | Jaswal | OK |
| 110 | P3671-13DL | S-912-J-SO-0-0.5-081 | SAM | 08/25/24 23:22 | Not used | Jaswal | Not Ok |
| 111 | CCV09 | CCV09 | CCV | 08/25/24 23:34 | | Jaswal | OK |
| 112 | CCB09 | CCB09 | CCB | 08/25/24 23:43 | | Jaswal | OK |
| 113 | P3671-14 | S-912-J-SO-0.5-1-081 | SAM | 08/25/24 23:46 | | Jaswal | OK |
| 114 | P3671-14DL | S-912-J-SO-0.5-1-081 | SAM | 08/25/24 23:50 | Not used | Jaswal | Not Ok |

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**Instrument ID:** P7

## Daily Analysis Runlog For Sequence/QCBatch ID # LB132155

| | | | |
|---|---|---|---|
| Review By | Jaswal | Review On | 8/26/2024 3:22:52 PM |
| Supervise By | mohan | Supervise On | 8/26/2024 3:35:59 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP81795,MP81805,MPMP81803,MP81801,MP81800,MP81799,MP81798,MP81797,MP81796 |
| ICV Standard | MP82109 |
| CCV Standard | MP81807 |
| ICSA Standard | MP81808,MP81809 |
| CRI Standard | MP81803 |
| LCS Standard | |
| Chk Standard | MP81816,MP81814 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 115 | P3671-14DUP | S-912-J-SO-0.5-1-081 | DUP | 08/25/24 23:53 | | Jaswal | OK |
| 116 | P3671-14DUPDL | S-912-J-SO-0.5-1-081 | DUP | 08/25/24 23:56 | Not used | Jaswal | Not Ok |
| 117 | P3671-14L | S-912-J-SO-0.5-1-081 | SD | 08/25/24 23:59 | | Jaswal | OK |
| 118 | P3671-14LDL | S-912-J-SO-0.5-1-081 | SD | 08/26/24 00:03 | Not used | Jaswal | Not Ok |
| 119 | P3671-14MS | S-912-J-SO-0.5-1-081 | MS | 08/26/24 00:06 | MS fail for Al,Ag | Jaswal | OK |
| 120 | P3671-14MSDL | S-912-J-SO-0.5-1-081 | MS | 08/26/24 00:09 | Not used | Jaswal | Not Ok |
| 121 | P3671-14MSD | S-912-J-SO-0.5-1-081 | MSD | 08/26/24 00:12 | | Jaswal | OK |
| 122 | P3671-14MSDDL | S-912-J-SO-0.5-1-081 | MSD | 08/26/24 00:14 | Not used | Jaswal | Not Ok |
| 123 | CCV10 | CCV10 | CCV | 08/26/24 00:42 | | Jaswal | OK |
| 124 | CCB10 | CCB10 | CCB | 08/26/24 00:52 | | Jaswal | OK |
| 125 | P3671-14A | S-912-J-SO-0.5-1-081 | PS | 08/26/24 00:55 | PS for Al,,Ag | Jaswal | OK |
| 126 | P3671-14ADL | S-912-J-SO-0.5-1-081 | PS | 08/26/24 00:58 | Not used | Jaswal | Not Ok |
| 127 | P3440-01ARE2 | 923-K1-WS-080124A | PS | 08/26/24 01:15 | PS for Ag | Jaswal | OK |
| 128 | CCV11 | CCV11 | CCV | 08/26/24 01:17 | | Jaswal | OK |
| 129 | CCB11 | CCB11 | CCB | 08/26/24 01:30 | | Jaswal | OK |

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# Prep Standard - Chemical Standard Summary

**Order ID :** P3440

**Test :** Mercury,Metals Group4

**Prepbatch ID :** PB162680,PB162950,

**Sequence ID/Qc Batch ID:** LB131960,LB132155,

**Standard ID :**
MP81779,MP81780,MP81781,MP81782,MP81783,MP81784,MP81785,MP81786,MP81787,MP81788,MP81789,MP81790,
MP81791,MP81795,MP81796,MP81797,MP81798,MP81799,MP81800,MP81801,MP81802,MP81803,MP81804,MP81805,
MP81806,MP81807,MP81808,MP81809,MP81813,MP81814,MP81816,MP81818,MP81819,MP81820,MP81821,MP81889,
MP81890,MP81891,MP81892,MP81946,MPMP81803,

**Chemical ID :**
M4251,M4399,M4465,M4916,M5062,M5192,M5227,M5231,M5288,M5295,M5304,M5390,M5473,M5498,M5513,M5515,M5
519,M5613,M5658,M5697,M5698,M5739,M5769,M5776,M5798,M5799,M5800,M5801,M5802,M5806,M5815,M5817,M5818
,M5819,M5873,M5874,M5951,M5953,M5961,M5962,M5963,M5965,M5976,M5978,M5981,M5982,M5983,M6023,M6025,M6
028,M6030,M6033,M6036,M79051,W3112,

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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. | MP81779 | 08/12/2024 | 08/13/2024 | Mohan Bera | None | METALS_PIPETTE_5 (HG A) | Sarabjit Jaswal 08/13/2024 |

**FROM** 1.00000ml of M5965 + 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 | MP81780 | 08/12/2024 | 08/13/2024 | Mohan Bera | None | METALS_PIPETTE_5 (HG A) | Sarabjit Jaswal 08/13/2024 |

**FROM** 2.50000ml of M5965 + 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 | MP81781 | 08/12/2024 | 08/13/2024 | Mohan Bera | None | METALS_PIPETTE_5 (HG A) | Sarabjit Jaswal 08/13/2024 |

**FROM** 2.50000ml of M5965 + 247.30000ml of W3112 + 0.20000ml of MP81779 = 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 | MP81782 | 08/12/2024 | 08/13/2024 | Mohan Bera | None | METALS_PIPETTE_5 (HG A) | Sarabjit Jaswal 08/13/2024 |

**FROM** 2.50000ml of M5965 + 245.00000ml of W3112 + 2.50000ml of MP81779 = 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 | MP81783 | 08/12/2024 | 08/13/2024 | Mohan Bera | None | METALS_PIPETTE_5 (HG A) | Sarabjit Jaswal 08/13/2024 |

**FROM** 2.50000ml of M5965 + 242.50000ml of W3112 + 5.00000ml of MP81779 = 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 | MP81784 | 08/12/2024 | 08/13/2024 | Mohan Bera | None | METALS_PIPETTE_5 (HG A) | Sarabjit Jaswal 08/13/2024 |

**FROM** 2.50000ml of M5965 + 240.00000ml of W3112 + 7.50000ml of MP81779 = 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 | MP81785 | 08/12/2024 | 08/13/2024 | Mohan Bera | None | METALS_PIPETTE_5 (HG A) | Sarabjit Jaswal 08/13/2024 |

**FROM** 2.50000ml of M5965 + 237.50000ml of W3112 + 10.00000ml of MP81779 = Final Quantity: 250.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1346 | Hg ICV SOLUTION | MP81786 | 08/12/2024 | 08/13/2024 | Mohan Bera | None | METALS_PIPETTE_5 (HG A) | Sarabjit Jaswal 08/13/2024 |

**FROM** 2.50000ml of M5953 + 2.50000ml of M5965 + 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) | MP81787 | 08/12/2024 | 08/13/2024 | Mohan Bera | None | METALS_PIPETTE_5 (HG A) | Sarabjit Jaswal 08/13/2024 |

**FROM** 2.50000ml of M5965 + 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) | MP81788 | 08/12/2024 | 08/13/2024 | Mohan Bera | None | METALS_PIPETTE_5 (HG A) | Sarabjit Jaswal 08/13/2024 |

**FROM** 485.00000ml of W3112 + 5.00000ml of M5965 + 10.00000ml of MP81779 = 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) | MP81789 | 08/12/2024 | 08/13/2024 | Mohan Bera | None | METALS_PIPETTE_5 (HG A) | Sarabjit Jaswal 08/13/2024 |

**FROM** 495.00000ml of W3112 + 5.00000ml of M5965 = 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) | MP81790 | 08/12/2024 | 08/13/2024 | Mohan Bera | None | METALS_PIPETTE_5 (HG A) | Sarabjit Jaswal 08/13/2024 |

**FROM** 2.50000ml of M5965 + 247.30000ml of W3112 + 0.20000ml of MP81779 = 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 |
|---|---|---|---|---|---|---|---|---|
| 1350 | CHK STD (Hg 7.0 PPB SOLUTION) | MP81791 | 08/12/2024 | 08/13/2024 | Mohan Bera | None | METALS_PIPETTE_5 (HG A) | Sarabjit Jaswal 08/13/2024 |

**FROM** 2.50000ml of M5965 + 240.50000ml of W3112 + 7.00000ml of MP81779 = Final Quantity: 250.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1122 | ICPMS CALIB BLANK(S0/ICB/CCB) | MP81795 | 08/07/2024 | 08/31/2024 | Sarabjit Jaswal | None | None | Mohan Bera 08/13/2024 |

**FROM** 25.00000ml of M5951 + 4925.00000ml of W3112 + 50.00000ml of M5963 = 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 | MP81796 | 08/07/2024 | 08/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 08/13/2024 |

**FROM** 1.00000ml of M6033 + 2.50000ml of M5288 + 2.50000ml of M5515 + 5.00000ml of M5498 + 5.00000ml of M5769 + 5.00000ml of M5806 + 79.00000ml of MP81795 = 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) | MP81797 | 08/07/2024 | 08/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 08/13/2024 |

**FROM** 0.40000ml of M5513 + 1.00000ml of M5799 + 1.00000ml of M5818 + 1.00000ml of M5981 + 1.00000ml of M5983 + 1.90000ml of M6033 + 10.00000ml of M5963 + 10.00000ml of M5976 + 10.00000ml of M5978 + 2.00000ml of M5815 + 2.00000ml of M5817 + 2.50000ml of M5473 + 4.00000ml of M5390 + 4.90000ml of M5515 + 4.90000ml of M5519 + 5.00000ml of M5951 + 50.00000ml of M5304 + 831.70000ml of W3112 + 9.00000ml of M5697 + 9.00000ml of M5698 + 9.00000ml of M5819 + 9.90000ml of M5498 + 9.90000ml of M5769 + 9.90000ml of M5806 = 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 |
|---|---|---|---|---|---|---|---|---|
| 3948 | S6(SFAM,6020,200.8) | MP81798 | 08/07/2024 | 08/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 08/13/2024 |

**FROM** 0.50000ml of M5951 + 1.00000ml of M5963 + 48.50000ml of W3112 + 50.00000ml of MP81797 = 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) | MP81799 | 08/07/2024 | 08/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 08/13/2024 |

**FROM** 0.50000ml of M5951 + 1.00000ml of M5963 + 73.50000ml of W3112 + 25.00000ml of MP81797 = 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) | MP81800 | 08/07/2024 | 08/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 08/13/2024 |

**FROM** 0.50000ml of M5951 + 1.00000ml of M5963 + 86.00000ml of W3112 + 12.50000ml of MP81797 = 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) | MP81801 | 08/07/2024 | 08/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 08/13/2024 |

**FROM** 0.50000ml of M5951 + 1.00000ml of M5963 + 88.50000ml of W3112 + 10.00000ml of MP81798 = 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) | MP81802 | 08/07/2024 | 08/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 08/13/2024 |

**FROM** 0.05000ml of M5473 + 0.05000ml of M5698 + 0.05000ml of M5798 + 0.05000ml of M5800 + 0.05000ml of M5801 + 0.05000ml of M5961 + 0.05000ml of M5981 + 0.05000ml of M5983 + 0.05000ml of M6023 + 0.05000ml of M6025 + 0.05000ml of M6028 + 0.05000ml of M6030 + 0.10000ml of M5658 + 0.10000ml of M5697 + 0.10000ml of M5802 + 0.10000ml of M6033 + 0.25000ml of M5227 + 0.25000ml of M5515 + 0.25000ml of M5799 + 0.25000ml of M5819 + 0.25000ml of M5962 + 0.25000ml of M5976 + 0.25000ml of M5978 + 0.50000ml of M5390 + 0.50000ml of M5818 + 1.25000ml of M5815 + 1.25000ml of M5817 + 2.50000ml of M5498 + 2.50000ml of M5519 + 2.50000ml of M5769 + 2.50000ml of M5806 + 2.50000ml of M5951 + 226.25000ml of W3112 + 5.00000ml of M5963 = 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) | MP81803 | 08/07/2024 | 08/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 08/13/2024 |

**FROM** 0.50000ml of M5951 + 1.00000ml of M5963 + 98.00000ml of W3112 + 0.50000ml of MP81802 = 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 |
|---|---|---|---|---|---|---|---|---|
| 68 | STANNOUS CHLORIDE SOLUTION | MP81804 | 08/13/2024 | 08/14/2024 | Mohan Bera | METALS_SCALE_3 (M SC-3) | None | Sarabjit Jaswal 08/13/2024 |

**FROM** 450.00000ml of W3112 + 50.00000gram of M5776 + 50.00000ml of M5951 = Final Quantity: 500.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3957 | S1(SFAM,6020,200.8) | MP81805 | 08/07/2024 | 08/31/2024 | Sarabjit Jaswal | None | None | Mohan Bera 08/13/2024 |

**FROM** 0.50000ml of M5951 + 1.00000ml of M5963 + 88.50000ml of W3112 + 10.00000ml of MP81803 = 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 |
|---|---|---|---|---|---|---|---|---|
| 3958 | ICV(SFAM) | MP81806 | 08/07/2024 | 08/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 08/13/2024 |

**FROM** 2.00000ml of M5295 + 98.00000ml of MP81795 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3961 | CCV | MP81807 | 08/07/2024 | 08/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 08/13/2024 |

**FROM** 0.20000ml of M5513 + 0.50000ml of M5799 + 0.50000ml of M5818 + 0.50000ml of M5981 + 0.50000ml of M5983 + 1.00000ml of M5815 + 1.00000ml of M5817 + 1.25000ml of M5473 + 10.00000ml of M5963 + 12.45000ml of M5515 + 12.45000ml of M5519 + 2.00000ml of M5390 + 24.95000ml of M5498 + 24.95000ml of M5769 + 24.95000ml of M5806 + 25.00000ml of M5304 + 4.50000ml of M5697 + 4.50000ml of M5698 + 4.50000ml of M5819 + 4.95000ml of M6033 + 5.00000ml of M5951 + 5.50000ml of M5976 + 5.50000ml of M5978 + 823.35000ml of W3112 = 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 |
|---|---|---|---|---|---|---|---|---|
| 1142 | ICSA ICPMS | MP81808 | 08/07/2024 | 08/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 08/13/2024 |

**FROM** 10.00000ml of M5873 + 90.00000ml of MP81795 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1143 | ICSAB ICPMS | MP81809 | 08/07/2024 | 08/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 08/13/2024 |

**FROM** 10.00000ml of M5873 + 10.00000ml of M5874 + 80.00000ml of MP81795 = 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 |
|---|---|---|---|---|---|---|---|---|
| 3962 | MG 10PPM FOR TUNE | MP81813 | 08/07/2024 | 08/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 08/13/2024 |

**FROM** 0.01000ml of M5769 + 9.99000ml of MP81795 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3903 | ISS 3PPM | MP81814 | 08/07/2024 | 08/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 08/13/2024 |

**FROM** 5.00000ml of M5963 + 75.00000ml of M5739 + 170.00000ml of MP81795 = 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 |
|---|---|---|---|---|---|---|---|---|
| 3894 | TUNE 200PPB | MP81816 | 08/07/2024 | 08/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 08/13/2024 |

**FROM** 2.00000ml of M5231 + 2.00000ml of MP81813 + 96.00000ml of MP81795 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3965 | 2:1 H2SO4 : HNO3 | MP81818 | 08/13/2024 | 01/04/2025 | Mohan Bera | None | None | Sarabjit Jaswal 08/13/2024 |

**FROM** 1600.00000ml of M5613 + 800.00000ml of M5963 = 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 % | MP81819 | 08/13/2024 | 02/13/2025 | Mohan Bera | METALS_SCALE_3 (M SC-3) | None | Sarabjit Jaswal 08/13/2024 |

**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 % | MP81820 | 08/13/2024 | 02/13/2025 | Mohan Bera | METALS_SCALE_3 (M SC-3) | None | Sarabjit Jaswal 08/13/2024 |

**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 | MP81821 | 08/13/2024 | 02/14/2025 | Mohan Bera | METALS_SCALE_3 (M SC-3) | None | Sarabjit Jaswal 08/13/2024 |

**FROM** 2000.00000ml of W3112 + 240.00000gram of M4251 + 240.00000gram of M4399 = Final Quantity: 2000.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3880 | M&B SPIKE-1 | MP81889 | 08/16/2024 | 08/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 08/16/2024 |

**FROM** 5.00000ml of M5227 + 5.00000ml of M5658 + 5.00000ml of M5798 + 5.00000ml of M5800 + 5.00000ml of M5802 + 5.00000ml of M5961 + 5.00000ml of M5962 + 5.00000ml of M5981 + 5.00000ml of M5982 + 5.00000ml of M5983 + 5.00000ml of M6023 + 5.00000ml of M6028 + 5.00000ml of M6030 + 35.00000ml of MP81795 = 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 |
|---|---|---|---|---|---|---|---|---|
| 3881 | M&B SPIKE-2 | MP81890 | 08/16/2024 | 08/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 08/16/2024 |

**FROM** 10.00000ml of M5976 + 12.50000ml of M5390 + 12.50000ml of M5515 + 12.50000ml of M5519 + 2.50000ml of M5799 + 2.50000ml of M5818 + 5.00000ml of M6033 + 30.00000ml of MP81795 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3882 | M&B SPIKE-3 | MP81891 | 08/16/2024 | 08/31/2024 | Sarabjit Jaswal | None | None | Mohan Bera 08/16/2024 |

**FROM** 0.62500ml of M5513 + 12.50000ml of M5697 + 12.50000ml of M5698 + 12.50000ml of M5819 + 11.87500ml of MP81795 = Final Quantity: 50.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3900 | M&B SPIKE-4 | MP81892 | 08/16/2024 | 08/31/2024 | Sarabjit Jaswal | None | None | Mohan Bera 08/16/2024 |

**FROM** 6.25000ml of M5498 + 6.25000ml of M5769 + 6.25000ml of M5806 + 6.25000ml of MP81795 = Final Quantity: 25.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 4025 | M&B SPIKE-5 | MP81946 | 08/19/2024 | 08/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 08/19/2024 |

**FROM** 15.00000ml of M5192 + 15.00000ml of M5978 + 20.00000ml of MP81795 = Final Quantity: 50.000 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-3624-05 / Sodium Chloride, Crystal (cs/4x2.5kg) | 0000187425 | 08/16/2024 | 08/16/2019 / RICHARD | 07/08/2019 / RICHARD | M4399 |

| 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 / jaswal | 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 # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57042 / Mo, 1000 PPM, 125 ml | 051722 | 05/17/2025 | 07/01/2022 / bin | 06/17/2022 / jaswal | M5192 |

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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. | 57023 / V, 1000 PPM, 125 ml | 100121 | 10/01/2024 | 07/01/2022 / bin | 10/18/2021 / bin | M5227 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | IV-STOCK-12 / TUNE-A, | R2-MEB695520 | 08/31/2024 | 11/27/2022 / jaswal | 07/06/2022 / jaswal | M5231 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58119 / K, 10000 PPM, 500 ml | 071122 | 07/11/2025 | 09/01/2022 / jaswal | 07/21/2022 / jaswal | M5288 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| EPA | ICV-1 / ICV ( ICP/ICPMS ) STOCK SOLN | ICV-1014 | 02/05/2025 | 08/07/2024 / jaswal | 02/20/2020 / bin | M5295 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | 6020CAL-1 / Calibration Standard Method 6020 | S2-MEB711244 | 10/20/2026 | 08/07/2024 / jaswal | 04/01/2022 / jaswal | M5304 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57056 / Ba, 1000 PPM, 125 ml | 072122 | 07/21/2025 | 08/07/2024 / jaswal | 09/18/2022 / bin | M5390 |

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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. | 57138 / Sr, 10000 PPM, 125 ml | 082922 | 08/29/2025 | 03/16/2023 / jaswal | 03/16/2023 / jaswal | M5473 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58120 / Ca, 10000 PPM, 500 ml | 031523 | 03/15/2026 | 08/15/2023 / jaswal | 03/17/2023 / bin | M5498 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57182 / Pb, 10000 PPM, 125 ml | 061522 | 06/15/2025 | 03/19/2023 / bin | 03/17/2023 / bin | M5513 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58126 / Fe, 10000 PPM, 500 ml | 092122 | 09/21/2025 | 08/01/2024 / Jaswal | 03/17/2023 / bin | M5515 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57119 / Potassium (K) 10,000PPM | 120822 | 12/08/2025 | 01/08/2024 / bin | 03/17/2023 / bin | M5519 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L) | 0000265056 | 11/05/2025 | 07/13/2023 / mohan | 07/07/2023 / mohan | M5613 |

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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. | 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 # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58025 / Mn, 1000 PPM, 500 ml | 102623 | 10/26/2026 | 04/18/2024 / jaswal | 10/27/2023 / jaswal | M5698 |

| 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. | 58112 / Mg, 10000 PPM, 500 ml | 091823 | 09/18/2026 | 05/24/2024 / Jaswal | 01/03/2024 / bin | M5769 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-3980-01 / Stannous Chloride (cs/4x500g) | 0000281938 | 07/06/2026 | 06/26/2023 / mohan | 07/18/2023 / mohan | M5776 |

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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. | 57004 / Be, 1000 PPM, 125 ml | 102523 | 10/25/2026 | 02/09/2024 / bin | 02/09/2024 / bin | M5798 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57050 / Sn, 1000 PPM, 125 ml | 071123 | 07/11/2026 | 02/09/2024 / bin | 02/09/2024 / bin | M5799 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57027 / CO, 1000 PPM, 125 ml | 091923 | 09/19/2026 | 05/31/2024 / bin | 02/09/2024 / bin | M5800 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57033 / As, 1000 PPM, 125 ml | 111323 | 11/13/2026 | 02/09/2024 / bin | 02/09/2024 / bin | M5801 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57051 / Sb, 1000 PPM, 125 ml | 120523 | 12/05/2026 | 08/07/2024 / jaswal | 01/03/2024 / jaswal | M5802 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58111 / Na, 10000 PPM, 500 ml | 122223 | 12/22/2026 | 08/01/2024 / Jaswal | 01/03/2024 / jaswal | M5806 |

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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. | 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 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57014 / Si, 1000 PPM, 125 ml | 122023 | 12/20/2026 | 03/06/2024 / jaswal | 02/09/2024 / jaswal | M5818 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58030 / Zinc, Zn, 500 ml, 1000 PPM | 111623 | 11/16/2026 | 03/20/2024 / jaswal | 02/09/2024 / jaswal | M5819 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| EPA | PART A / ICSA ( ICPMS ) STOCK SOLN | CP-MS ICSA-0803 | 04/30/2025 | 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 | 04/30/2025 | 04/17/2024 / jaswal | 07/14/2022 / jaswal | M5874 |

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| 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 | 12/27/2024 | 07/04/2024 / Jaswal | 06/23/2024 / Al-Terek | M5951 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| EPA | ICV-5 / ICV ( HG ) STOCK SOLN | ICV5-0415 | 01/01/2025 | 07/01/2024 / mohan | 03/30/2023 / mohan | M5953 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57028 / Ni, 1000 PPM, 125 ml | 041124 | 04/11/2027 | 07/02/2024 / Jaswal | 06/11/2024 / Jaswal | M5961 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57034 / Se, 1000 PPM, 125 ml | 060624 | 06/06/2027 | 07/02/2024 / Jaswal | 06/14/2024 / Jaswal | M5962 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L) | 24B1362001 | 01/04/2025 | 07/09/2024 / Al-Terek | 07/03/2024 / Al-Terek | M5963 |

| 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) | 24B1362001 | 01/04/2025 | 07/05/2024 / Jaswal | 07/03/2024 / Al-Terek | M5965 |

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

# 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 | 08/07/2024 / jaswal | 02/22/2024 / Jaswal | M5976 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | CGTI1-1 / TITANIUM 125mL 1000ug/mL | T2-TI719972 | 06/17/2027 | 08/07/2024 / jaswal | 02/22/2024 / Jaswal | M5978 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57092 / U, 1000 PPM, 125 ml | 060724 | 06/07/2027 | 07/29/2024 / Jaswal | 06/11/2024 / Jaswal | M5981 |

| 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 | 031524 | 03/15/2027 | 07/01/2024 / Jaswal | 06/11/2024 / Jaswal | M5982 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57040 / Zr, 1000 PPM, 125 ml | 071423 | 07/14/2026 | 07/29/2024 / Jaswal | 06/11/2024 / Jaswal | M5983 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57081 / Tl, 1000 PPM, 125 ml | 0624724 | 06/27/2027 | 08/05/2024 / kareem | 08/05/2024 / Jaswal | M6023 |

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

# CHEMICAL RECEIPT LOG BOOK

| 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 | 06/12/2027 | 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. | 57048 / Cd, 1000 PPM, 125 ml | 070124 | 07/01/2027 | 08/05/2024 / kareem | 01/25/2019 / 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. | 58113 / Al, 10000 PPM, 500 ml | 011623 | 01/16/2026 | 08/07/2024 / Jaswal | 01/03/2024 / Jaswal | M6033 |

| 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 | 08/10/2024 / Janvi | 08/01/2024 / Janvi | M6036 |

| 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 / Iwona | 07/03/2024 / Iwona | W3112 |

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M5613
25

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 0000265056
Manufactured Date: 2020/05/12
Retest Date: 2025/05/11
Revision No: 1

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| ACS - Assay ($H_2SO_4$) | 95.0 - 98.0 % | 96.5 |
| Appearance | Passes Test | PT |
| ACS - Color (APHA) | <= 10 | 5 |
| ACS - Residue after Ignition | <= 3 ppm | < 1 |
| ACS - Substances Reducing Permanganate (as $SO_2$) | <= 2 ppm | < 2 |
| Ammonium ($NH_4$) | <= 1 ppm | < 1 |
| Chloride (Cl) | <= 0.1 ppm | < 0.1 |
| Nitrate ($NO_3$) | <= 0.2 ppm | < 0.1 |
| Phosphate ($PO_4$) | <= 0.5 ppm | < 0.1 |
| Trace Impurities - Aluminum (Al) | <= 30.0 ppb | < 0.2 |
| Arsenic and Antimony (as As) | <= 4 ppb | < 2 |
| Trace Impurities - Barium (Ba) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Beryllium (Be) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Bismuth (Bi) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Boron (B) | <= 10.0 ppb | < 5.0 |
| Trace Impurities - Cadmium (Cd) | <= 2.0 ppb | < 0.3 |
| Trace Impurities - Calcium (Ca) | <= 50.0 ppb | < 1.0 |
| Trace Impurities - Chromium (Cr) | <= 6.0 ppb | < 0.4 |
| Trace Impurities - Cobalt (Co) | <= 0.5 ppb | < 0.3 |
| Trace Impurities - Copper (Cu) | <= 1.0 ppb | < 0.1 |
| Trace Impurities - Gallium (Ga) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Germanium (Ge) | <= 10.0 ppb | < 10.0 |
| Trace Impurities - Gold (Au) | <= 10.0 ppb | < 0.2 |
| Heavy Metals (as Pb) | <= 500 ppb | < 100 |

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9673-33
Batch No.: 0000265056

| Test | Specification | Result |
|---|---|---|
| Trace Impurities - Iron (Fe) | <= 50.0 ppb | 3.3 |
| Trace Impurities - Lead (Pb) | <= 0.5 ppb | < 0.5 |
| Trace Impurities - Lithium (Li) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Magnesium (Mg) | <= 7.0 ppb | < 0.2 |
| Trace Impurities - Manganese (Mn) | <= 1.0 ppb | < 0.4 |
| Trace Impurities - Mercury (Hg) | <= 0.5 ppb | < 0.1 |
| Trace Impurities - Molybdenum (Mo) | <= 10.0 ppb | < 5.0 |
| Trace Impurities - Nickel (Ni) | <= 2.0 ppb | < 0.3 |
| Trace Impurities - Niobium (Nb) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Potassium (K) | <= 500.0 ppb | < 2.0 |
| Trace Impurities - Selenium (Se) | <= 50.0 ppb | 17.8 |
| Trace Impurities - Silicon (Si) | <= 100.0 ppb | < 10.0 |
| Trace Impurities - Silver (Ag) | <= 1.0 ppb | < 0.3 |
| Trace Impurities - Sodium (Na) | <= 500.0 ppb | 1.5 |
| Trace Impurities - Strontium (Sr) | <= 5.0 ppb | < 0.2 |
| Trace Impurities - Tantalum (Ta) | <= 10.0 ppb | < 5.0 |
| Trace Impurities - Thallium (Tl) | <= 20.0 ppb | < 5.0 |
| Trace Impurities - Tin (Sn) | <= 5.0 ppb | < 0.8 |
| Trace Impurities - Titanium (Ti) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Vanadium (V) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Zinc (Zn) | <= 5.0 ppb | 0.4 |
| Trace Impurities - Zirconium (Zr) | <= 10.0 ppb | < 1.0 |

For Laboratory, Research or Manufacturing Use

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

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

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

**Certified Reference Material CRM**

M6028

R 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Revised

## 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

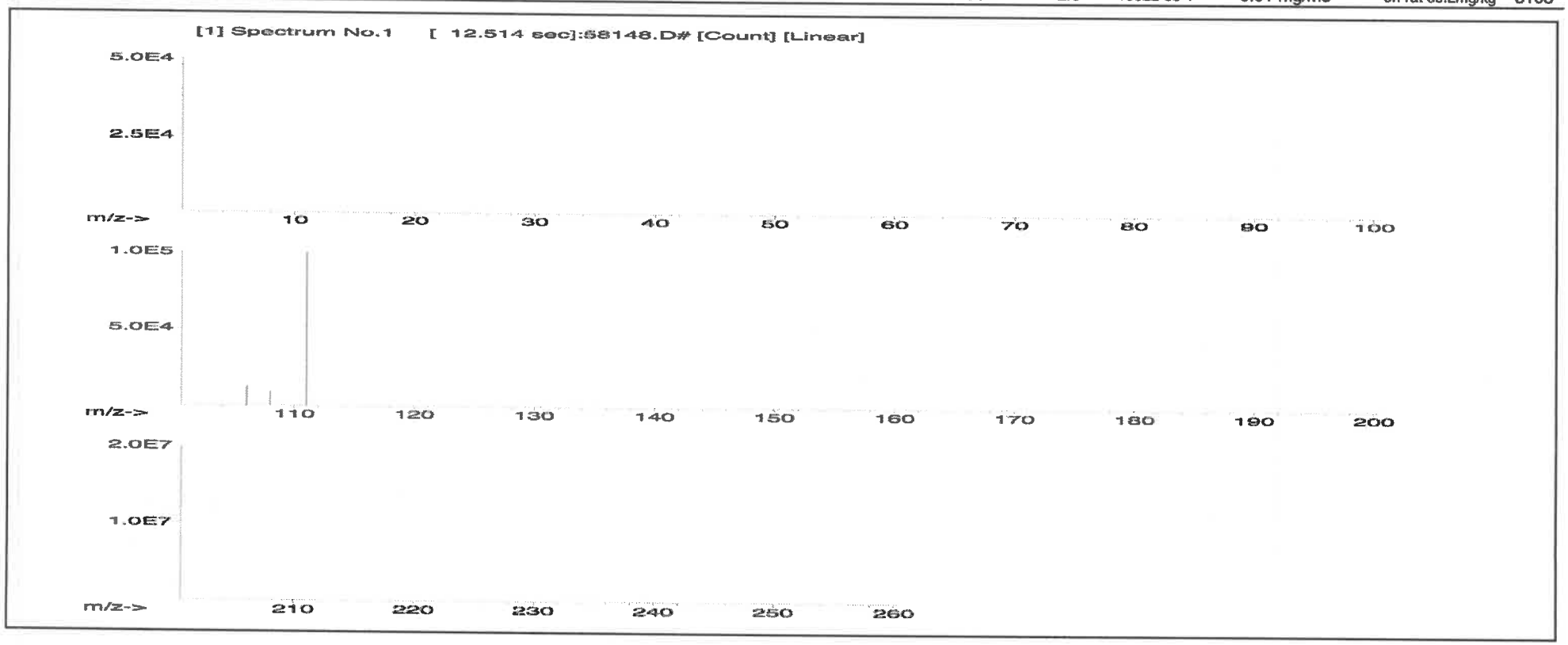
**Weight shown below was diluted to (mL):** 2000.07

| | Lot # | | | |
|---|---|---|---|---|
| **Solvent:** | 24002546 | Nitric Acid | | |
| 2% | 40.0 (mL) | Nitric Acid | | |
| | 5E-05 | Balance Uncertainty | | |
| | 0.100 | Flask Uncertainty | | |

Aleah O'Brady

| | | |
|---|---|---|
| Formulated By: | Aleah O'Brady | 070124 |
| 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:**

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.**
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www.absolutestandards.com

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R: 8/5/24



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

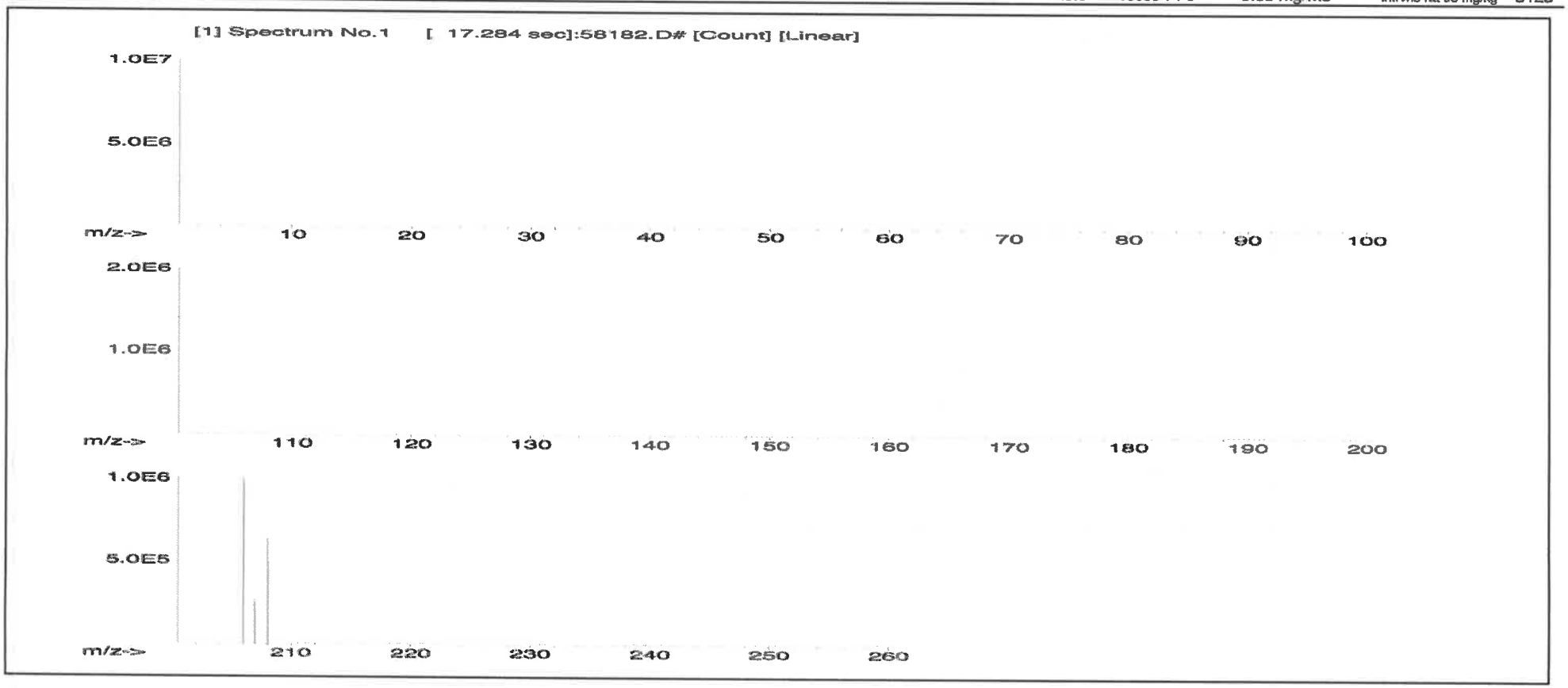
**Weight shown below was diluted to (mL):** 2000.02 0.058 Flask Uncertainty

| | 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.

* 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).

Sodium Chloride, Crystal
BAKER ANALYZED® A.C.S. Reagent

M5776-83
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

Hydroxylamine Hydrochloride, Crystal
BAKER ANALYZED® A.C.S. Reagent
Suitable for Mercury Determination
(hydroxylammonium chloride)

M4251
JB

J.T.Baker® | avantor™

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

Sodium Chloride, Crystal
BAKER ANALYZED® A.C.S. Reagent

IM4399

Supplied – 07.08.19

Material No.: 3624-05
Batch No.: 0000187425
Manufactured Date: 2017/08/03
Retest Date: 2024/08/01

# Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

| Test | Specification | Result |
|---|---|---|
| Assay (NaCl) (by Ag titrn) | >= 99.0 % | 99.8 |
| pH of 5% Solution at 25°C | 5.0 - 9.0 | 5.8 |
| ACS - 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 % | < 0.003 |
| ACS - Phosphate ($PO_4$) | <= 5 ppm | < 5 |
| Sulfate ($SO_4$) | <= 0.004 % | < 0.004 |
| Barium (Ba) | Passes Test | PT |
| ACS - Heavy Metals (as Pb) | <= 5 ppm | < 5 |
| Iron (Fe) | <= 2 ppm | < 2 |
| Calcium (Ca) | <= 0.002 % | < 0.002 |
| Magnesium (Mg) | <= 0.001 % | < 0.001 |
| Potassium (K) | <= 0.005 % | < 0.005 |

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

RS 08.16.19

ISO
Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008
Panoli, India 9001:2008

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.
3477 Corporate Parkway. Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

ThermoFisher SCIENTIFIC

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
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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 (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/4}$**

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



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*Certified Reference Material CRM*

M5192 R: 06/17/22

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Revised

CERTIFIED WEIGHT REPORT:

**Part Number:** 57042
**Lot Number:** 051722
**Description:** Molybdenum (Mo)

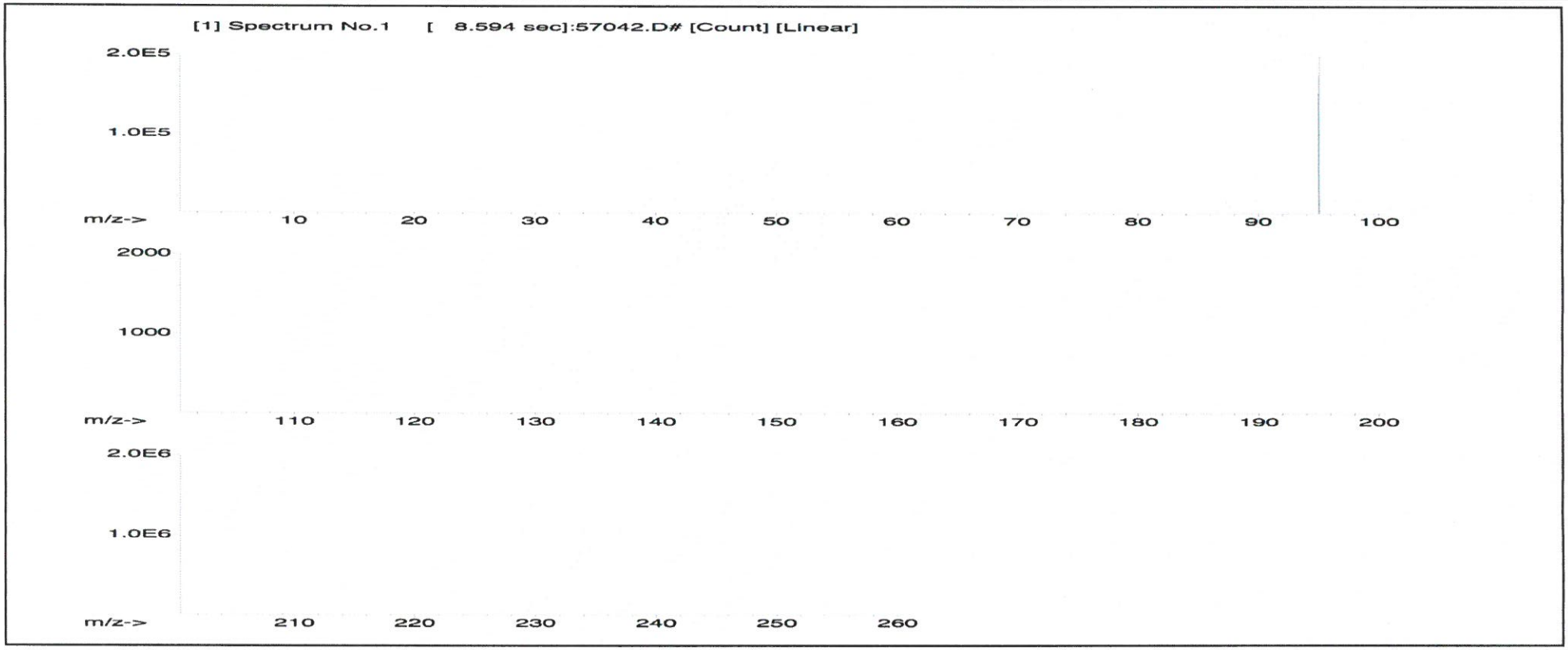
**Expiration Date:** 051725
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 1000
**NIST Test Number:** 6UTB 5E-05 Balance Uncertainty
**Volume shown below was diluted to (mL):** 3000.41 0.058 Flask Uncertainty

| Lot # | Solvent: | | |
|---|---|---|---|
| MKBQ8597V | Ammonium hydroxide | | |
| 0.5% | 15.0 (mL) | Ammonium hydroxide | |

Formulated By: Lawrence Barry 051722

Reviewed By: Pedro L. Rentas 051722

| 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 molybdate (Mo) | 58142 | 022222 | 0.1000 | 300.0 | 0.084 | 1000 | 10001.0 | **1000.0** | **2.1** | 13106-76-8 | 5 mg(Mo)/m3 | orl-rat 333 mg/kg | 3134 |



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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 | <0.02 | Ge | <0.02 | La | <0.02 | Mo | T | 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).

M5227 R: 10/18/2021

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***Certified Reference Material CRM***

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CERTIFIED WEIGHT REPORT:

| | | Lot # | Solvent: | |
|---|---|---|---|---|
| **Part Number:** | **57023** | 20370011 | Nitric Acid | |
| **Lot Number:** | **100121** | | | |
| **Description:** | **Vanadium (V)** | 2.0% | 60.0 (mL) | Nitric Acid |
| **Expiration Date:** | 100124 | | | |
| **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):** | 3000.4 | 0.06 | Flask Uncertainty | |

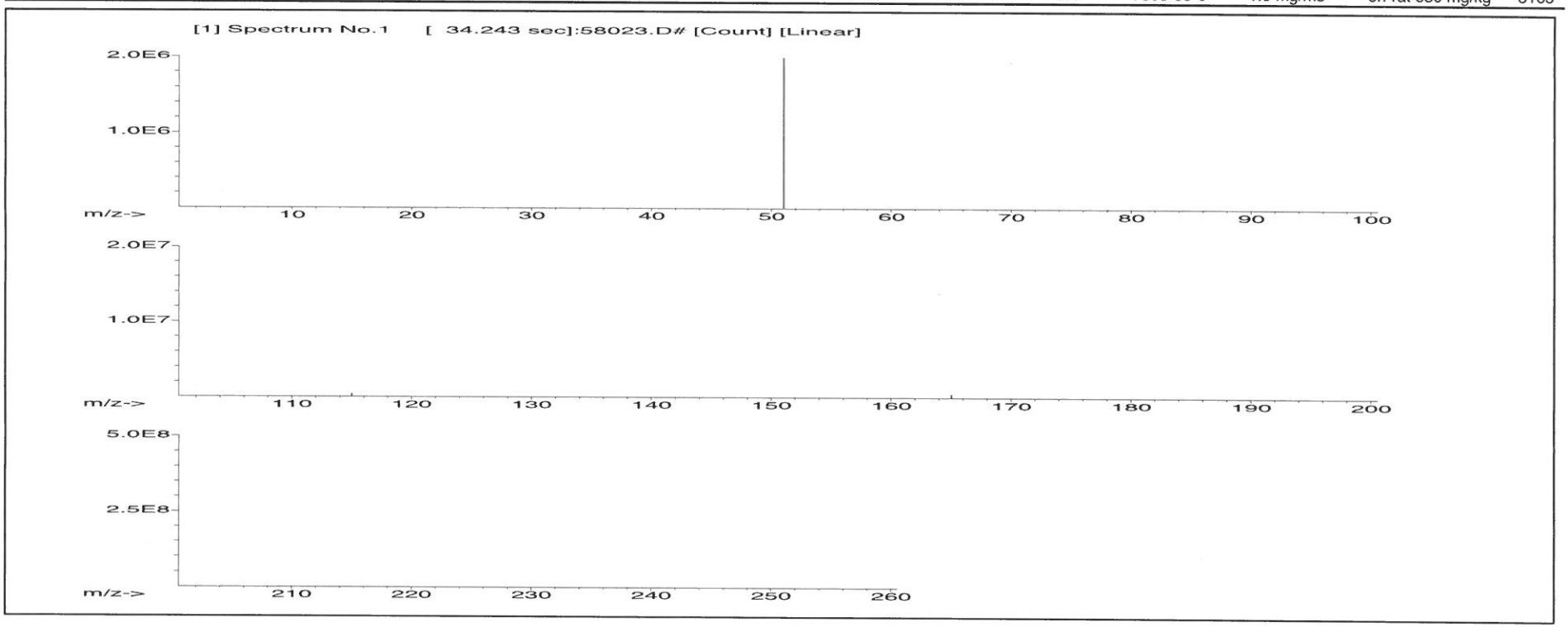
Giovanni Esposito

| Formulated By: | Giovanni Esposito | 100121 |
|---|---|---|

Pedro Rentas

| Reviewed By: | Pedro L. Rentas | 100121 |
|---|---|---|

| 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 | 070721 | 0.1000 | 300.0 | 0.084 | 1000 | 10000.4 | **1000.0** | **2.1** | 7803-55-6 | 1.0 mg/m3 | orl-rat 630 mg/kg | 3165 |



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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 | 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).

INORGANIC VENTURES
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inorganicventures.com

# CERTIFICATE OF ANALYSIS

R: 7/6/22 M5231

tel: 800.669.6799 · 540.585.3030
fax: 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: | R2-MEB695520 |
| 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 | 10.00 ± 0.05 µg/mL | Beryllium, Be | 10.00 ± 0.05 µg/mL |
| Bismuth, Bi | 10.00 ± 0.05 µg/mL | Cerium, Ce | 10.00 ± 0.04 µg/mL |
| Cobalt, Co | 10.00 ± 0.05 µg/mL | Indium, In | 10.00 ± 0.04 µg/mL |
| Lead, Pb | 10.00 ± 0.04 µg/mL | Lithium, Li | 10.00 ± 0.04 µg/mL |
| Nickel, Ni | 10.00 ± 0.04 µg/mL | Uranium, U | 10.00 ± 0.05 µg/mL |

**Density:** 1.023 g/mL (measured at 20 ± 4 °C)

**Assay Information:**

| ANALYTE | METHOD | NIST SRM# | SRM LOT# |
|---|---|---|---|
| Ba | ICP Assay | 3104a | 140909 |
| Ba | Gravimetric | | See Sec. 4.2 |
| Be | ICP Assay | 3105a | 090514 |
| Be | Calculated | | See Sec. 4.2 |
| Bi | ICP Assay | 3106 | 991212 |
| Bi | Calculated | | See Sec. 4.2 |
| Ce | ICP Assay | 3110 | 090504 |
| Ce | EDTA | 928 | 928 |
| 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 | 3164 | 080521 |
| 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 (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$**

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

**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

- 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, PERIOD OF VALIDITY AND REVISION HISTORY

**11.1 Certification Issue Date**

August 04, 2020

- 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 04, 2024**

- 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.

**11.4 Revision Status**

- Revision 1 - Revised on Wednesday, Oct 14, 2020 by utruong. Revision was made for the following reason: Added missing isotopic abundance for Uranium..

## 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***

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

**Part Number:** 58119
**Lot Number:** 071122
**Description:** Potassium (K)

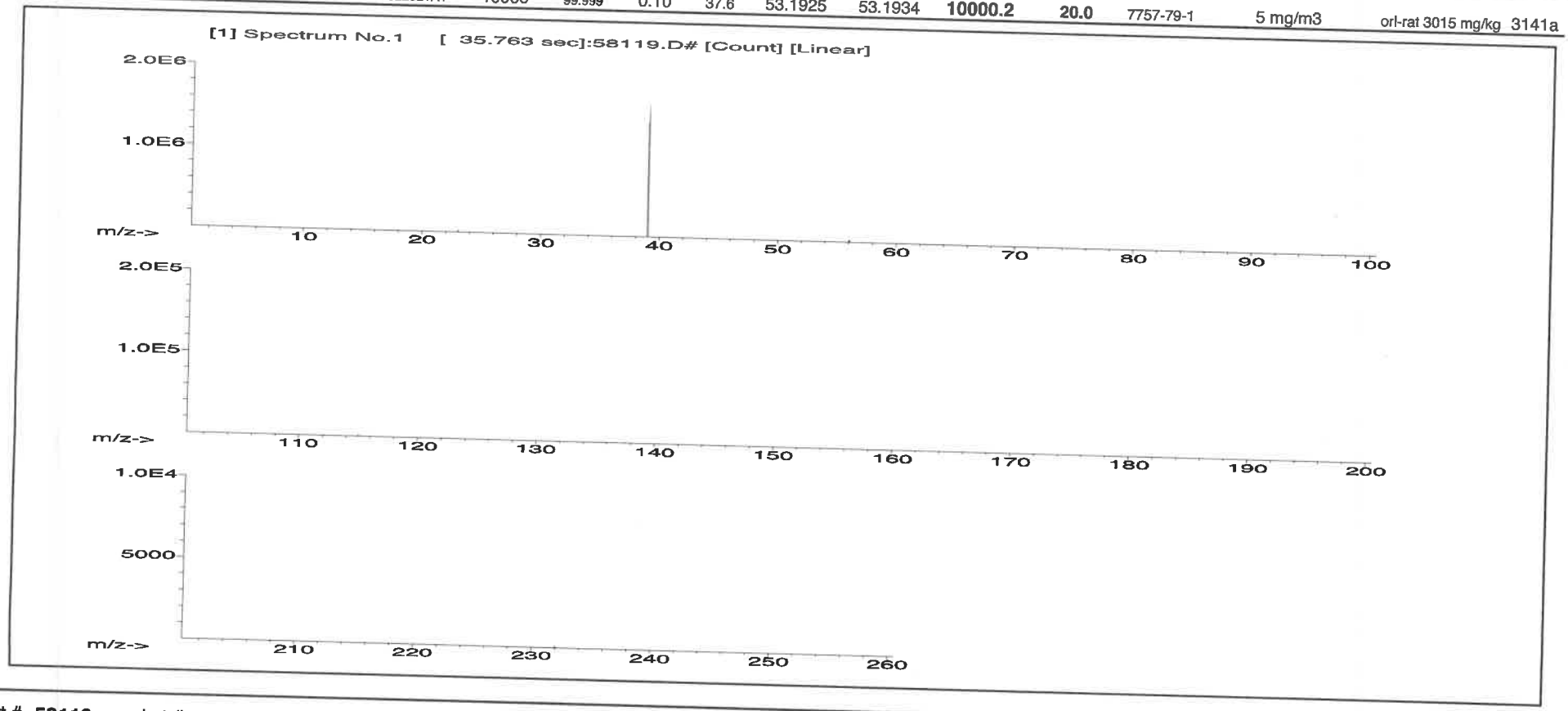
**Expiration Date:** 071125
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 2000.02

| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 20510011 | Nitric Acid | |
| 2% | 40.0 (mL) | Nitric Acid | |
| | 5E-05 | Balance Uncertainty | |
| | 0.058 | Flask Uncertainty | |

Formulated By: Lawrence Barry 071122

Reviewed By: Pedro L. Rentas 071122

| 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 | 53.1925 | 53.1934 | **10000.2** | **20.0** | 7757-79-1 | 5 mg/m3 | orl-rat 3015 mg/kg | 3141a |






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P3440-METALS

**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).



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P3440-METALS

R : 4/20/21

## QATS LABORATORY INORGANIC REFERENCE MATERIAL
## INITIAL CALIBRATION VERIFICATION SOLUTIONS
## (ICV1, ICV5, AND ICV6)

**NOTE:** These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

***APPLICATION:*** For use with the CLP SFAM01.0 SOW and revisions.

***CAUTION:*** Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Metals in Dilute Acidic or
Cyanide in Basic Aqueous Solutions
**HAZARDOUS MATERIAL**

Safety Data Sheets
Available Upon Request

M5291
M5292
M5293
M5294
M5295

### (A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more Aqueous Inorganic Reference Materials containing various analyte concentrations. ICV1 and ICV5 are in a matrix of dilute nitric acid. ICV6 is in a matrix of dilute basic solution. **For the reference material source in reporting ICVs use "USEPA". For the reference material lot number for the ICV1, ICV5, and ICV6 solutions use "ICV1-1014", "ICV5-0415", and "ICV6-0400", respectively.**

### (B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

**QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY**
**APTIM Federal Services, LLC**
**2700 Chandler Avenue - Building C**
**Las Vegas, NV 89120**

### (C) *ANALYSIS OF SAMPLES*

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP, AA, and Cyanide colorimetric instruments, and are to be used with the CLP SOWs and revisions. The values for each element in the ICVs are listed below in µg/L (ppb) for the resulting solution(s) after the dilution of the concentrate(s) according to the following instructions. Use Class 'A' glassware to prepare the solution(s).

**ICV1-1014** For ICP-AES analysis, use a 10-fold dilution by pipetting 10 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

**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 |

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"

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## 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



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R: 09/08/22 (BA)

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M5387 . M5389 . M5390 . M5391 . M5392

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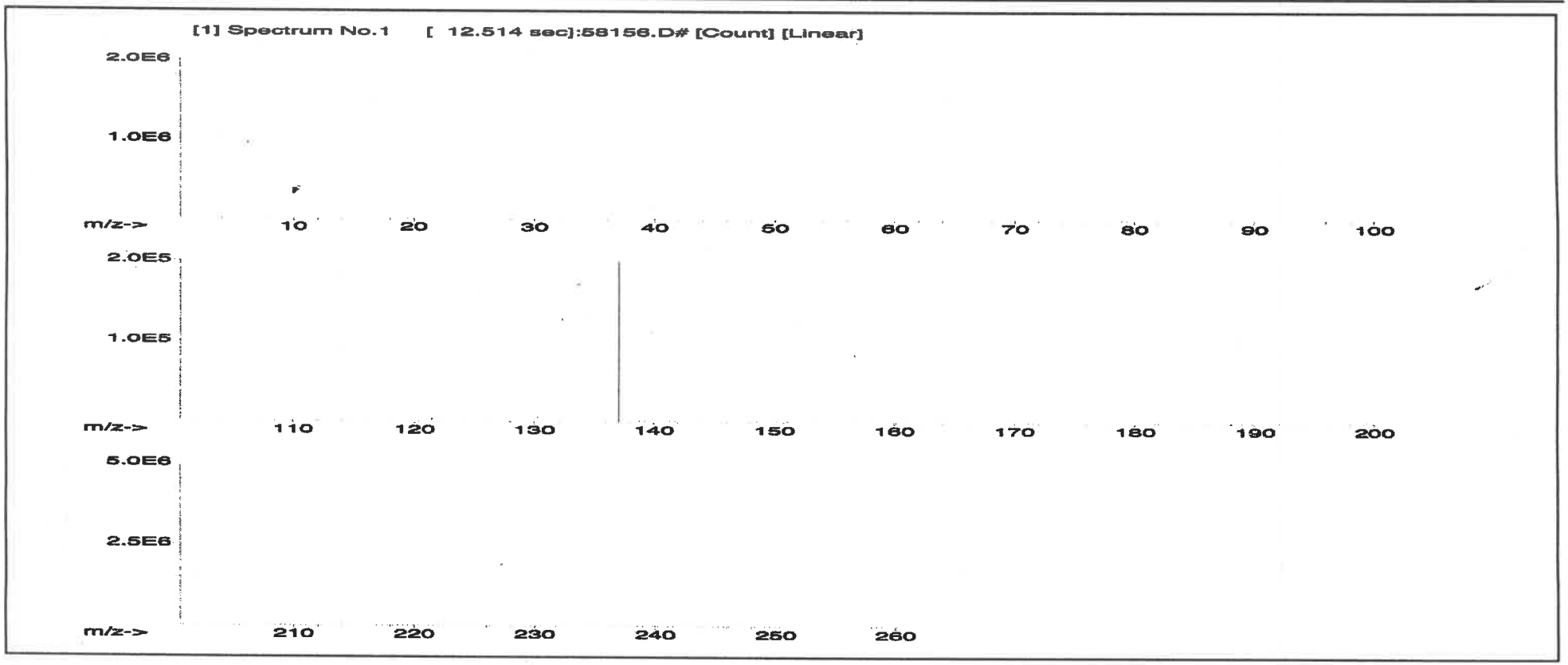
## CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **57056** | | **Lot #** | | |
| **Lot Number:** | **072122** | **Solvent:** | 20510011 | Nitric Acid | |
| **Description:** | **Barium (Ba)** | 2% | 40.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 072125 | | | | |
| **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 | 072122 |
| Reviewed By: | Pedro L. Rentas | 072122 |

| 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 | 3.82426 | **1000.0** | **2.0** | 10022-31-8 | 0.5 mg/m3 | orl-rat 355 mg/kg | 3104a |



ASTM-METALS

**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | T | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T)= Target analyte

**Physical Characterization:**

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are 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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M5497 - M5498 R: 03/17/23 BH

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P3440-METALS

CERTIFIED WEIGHT REPORT:

**Part Number:** 58120
**Lot Number:** 031523
**Description:** Calcium (Ca)

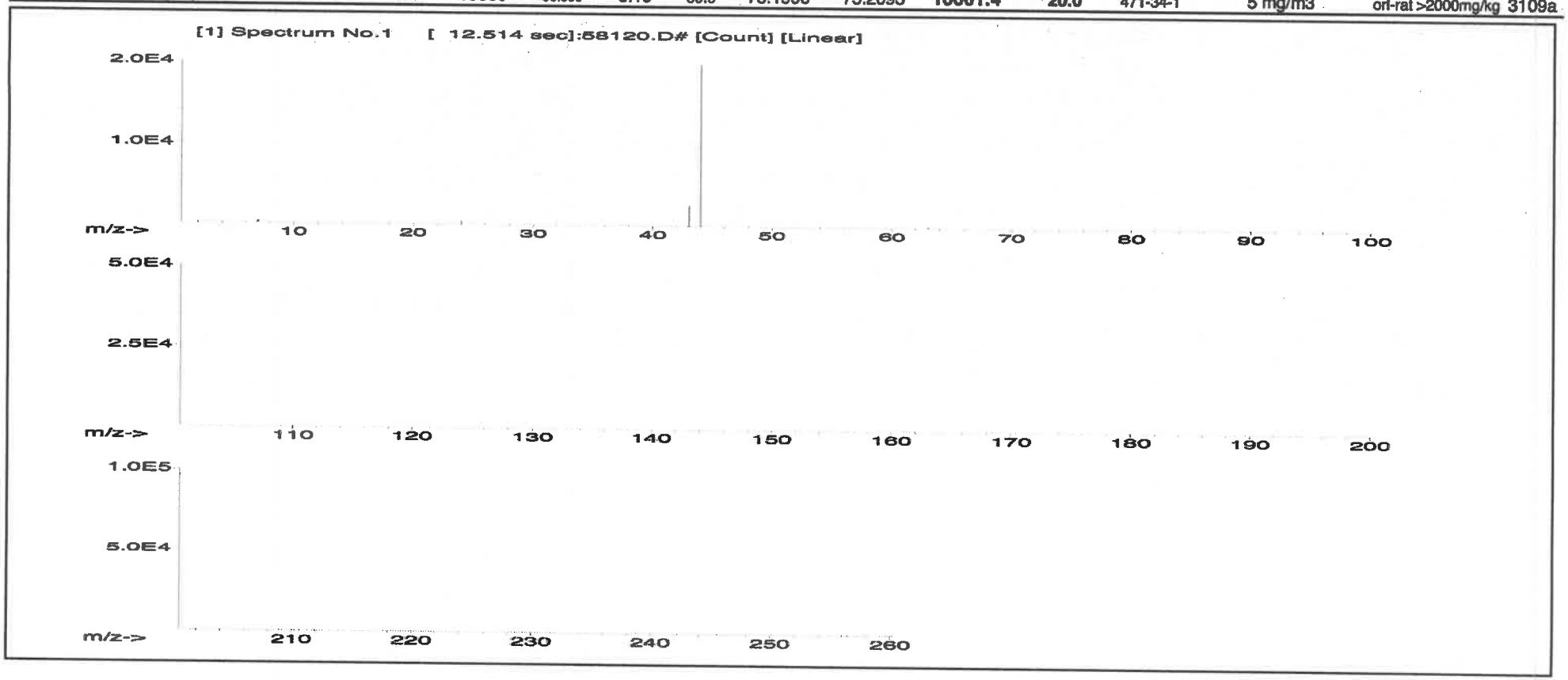
**Expiration Date:** 031526
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 3000.41

| Lot # | | | |
|---|---|---|---|
| **Solvent:** | 21110221 | Nitric Acid | |
| 2% | 60.0 (mL) | Nitric Acid | |
| | 5E-05 | Balance Uncertainty | |
| | 0.058 | Flask Uncertainty | |

Giovanni Esposito

| | | |
|---|---|---|
| Formulated By: | Giovanni Esposito | 031523 |
| Reviewed By: | Pedro L. Rentas | 031523 |

| 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 | CAD072022A1 | 10000 | 99.999 | 0.10 | 39.9 | 75.1990 | 75.2093 | **10001.4** | **20.0** | 471-34-1 | 5 mg/m3 | orl-rat >2000mg/kg | 3109a |



TRACE METALS

**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 | <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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M 5513 R: 03/17/23 BE

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## CERTIFIED WEIGHT REPORT:

**Part Number:** 57182
**Lot Number:** 061522
**Description:** Lead (Pb)

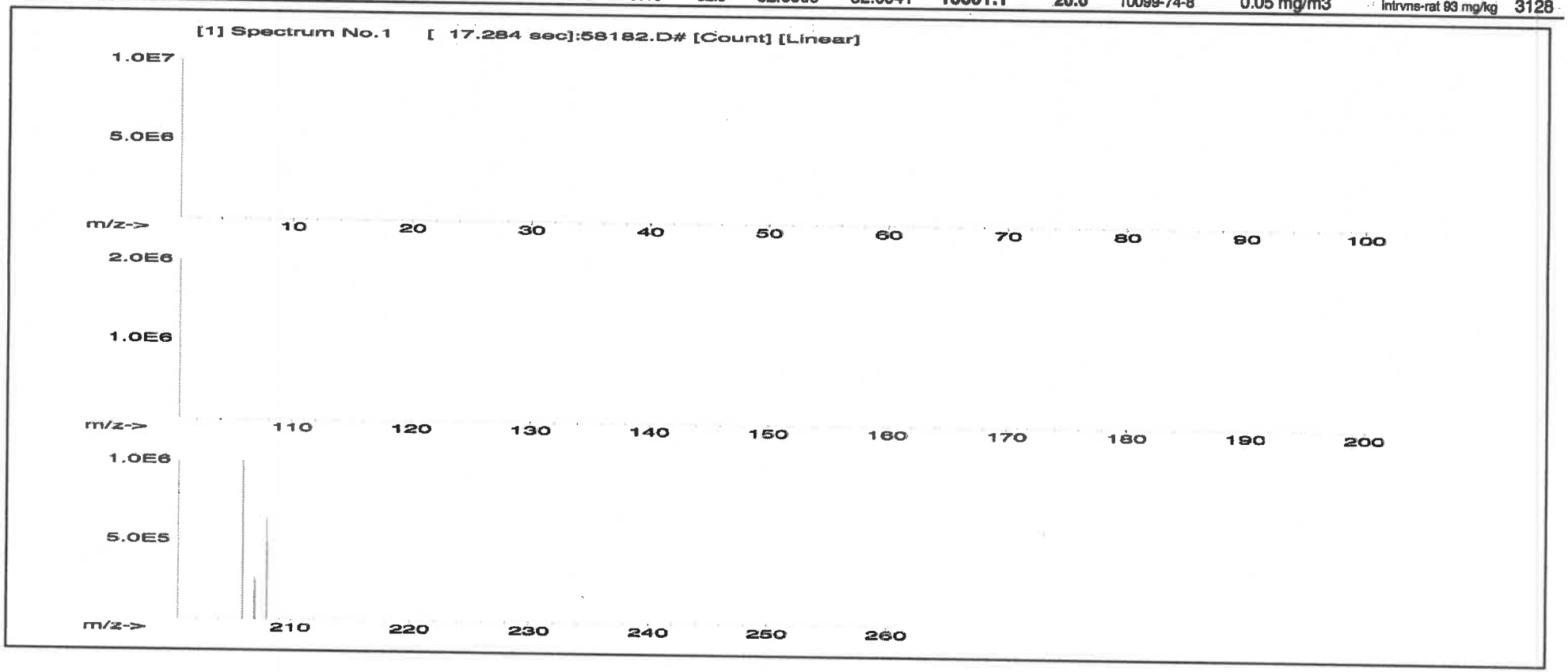
**Expiration Date:** 061525
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 2000.02

| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 20510011 | Nitric Acid | |
| 2% | 40.0 (mL) | Nitric Acid | |
| | 5E-05 | Balance Uncertainty | |
| | 0.058 | Flask Uncertainty | |

Giovanni Esposito

| | | |
|---|---|---|
| Formulated By: | Giovanni Esposito | 061522 |
| Reviewed By: | Pedro L. Rentas | 061522 |

| 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 | 32.0041 | **10001.1** | **20.0** | 10099-74-8 | 0.05 mg/m3 | Intrvns-rat 93 mg/kg | 3128 |



3345-METALS

**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.**

* 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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M5514 - M5515 R: 03/17/22

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P3440-METALS

## CERTIFIED WEIGHT REPORT:

**Part Number:** 58126
**Lot Number:** 092122
**Description:** Iron (Fe)

**Expiration Date:** 092125
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB

**Weight shown below was diluted to (mL):** 5000.1 ± 0.12 Flask Uncertainty

| | | Lot # | |
|---|---|---|---|
| **Solvent:** | 20510011 | Nitric Acid | |
| 7.0% | 350.0 (mL) | Nitric Acid | |

5E-05 Balance Uncertainty

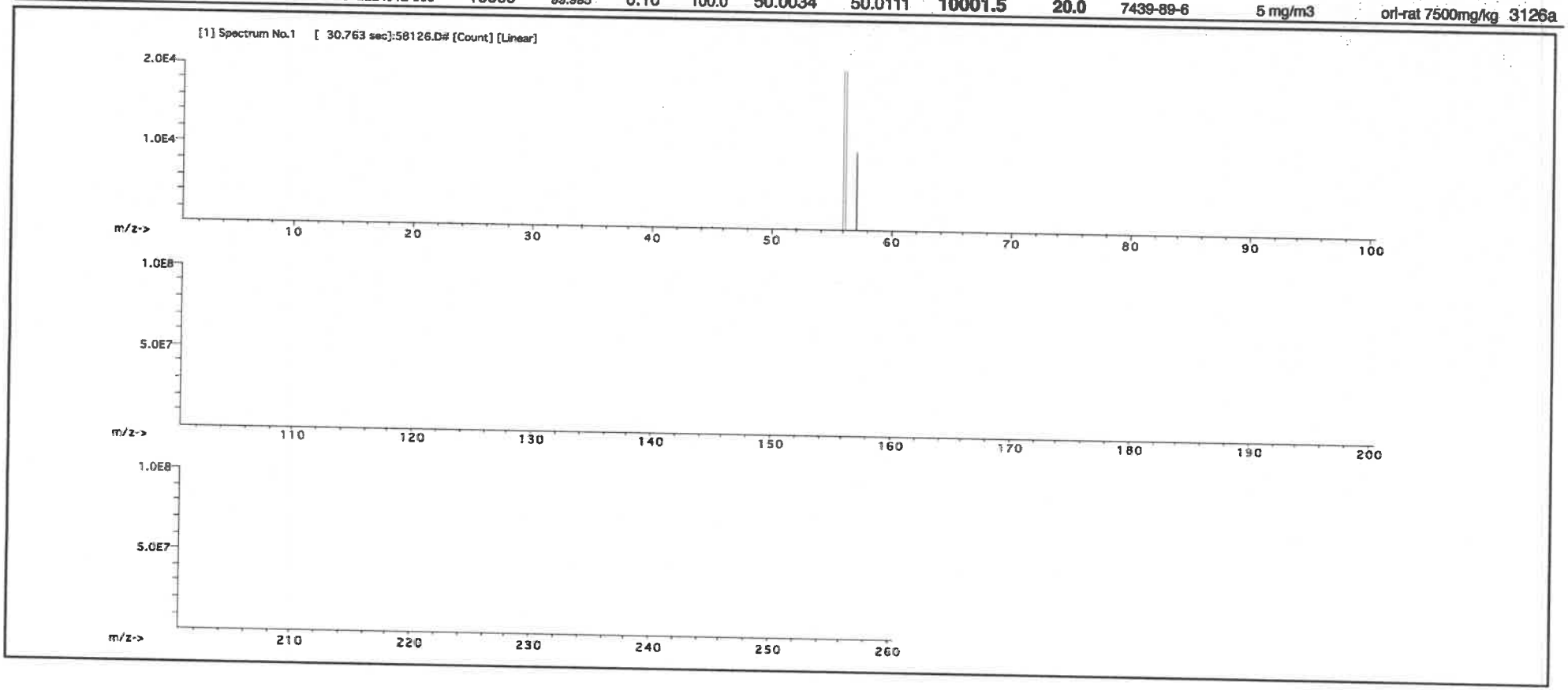
Giovanni Esposito

Formulated By: Giovanni Esposito 092122

Pedro Rentas

Reviewed By: Pedro L. Rentas 092122

| 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 | 2224912-500 | 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 | <0.05 |
| 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:**

**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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M5519. M5520 (BH) R:03/17/23

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CERTIFIED WEIGHT REPORT:

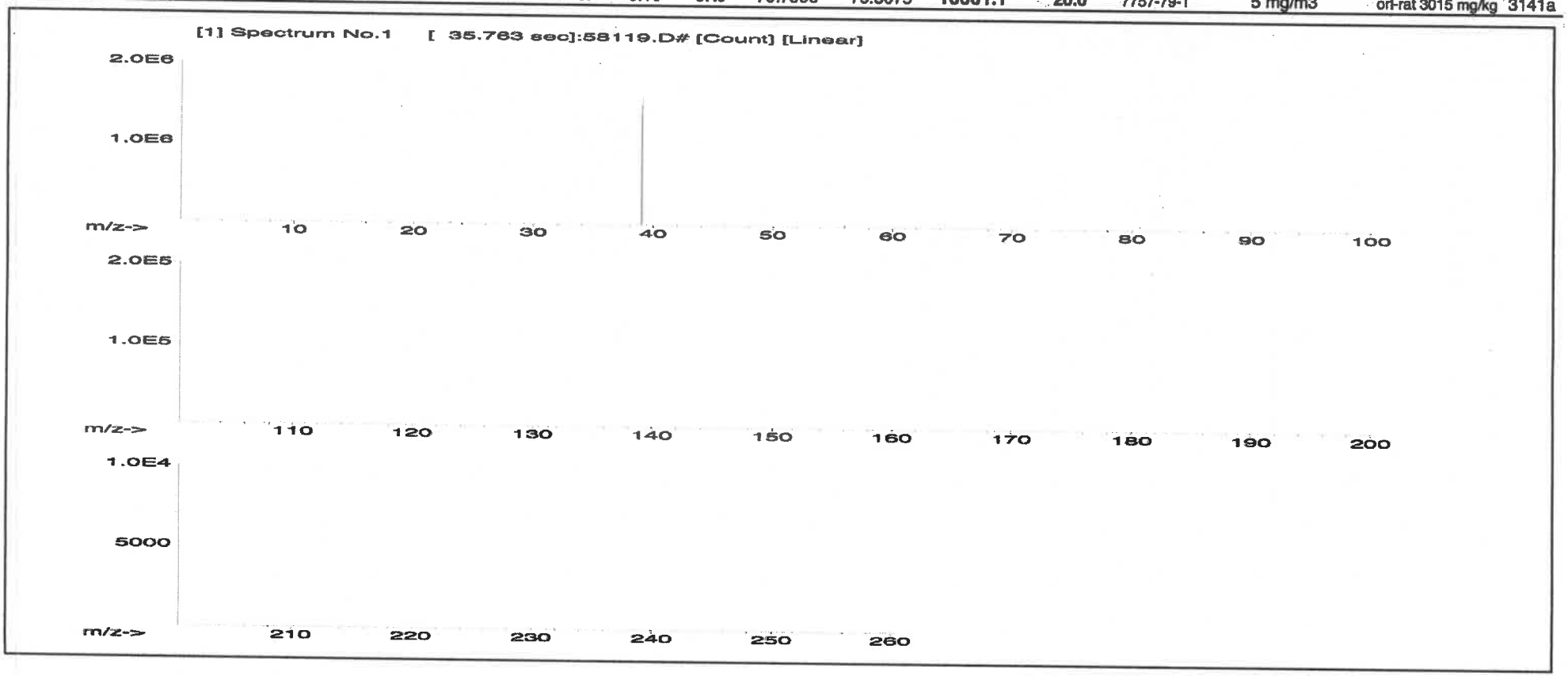
**Part Number:** 58119
**Lot Number:** 120822
**Description:** Potassium (K)

**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 |






977 of 1057 Revised
P3440-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 | <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.
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M5658 R ! 8/25/23

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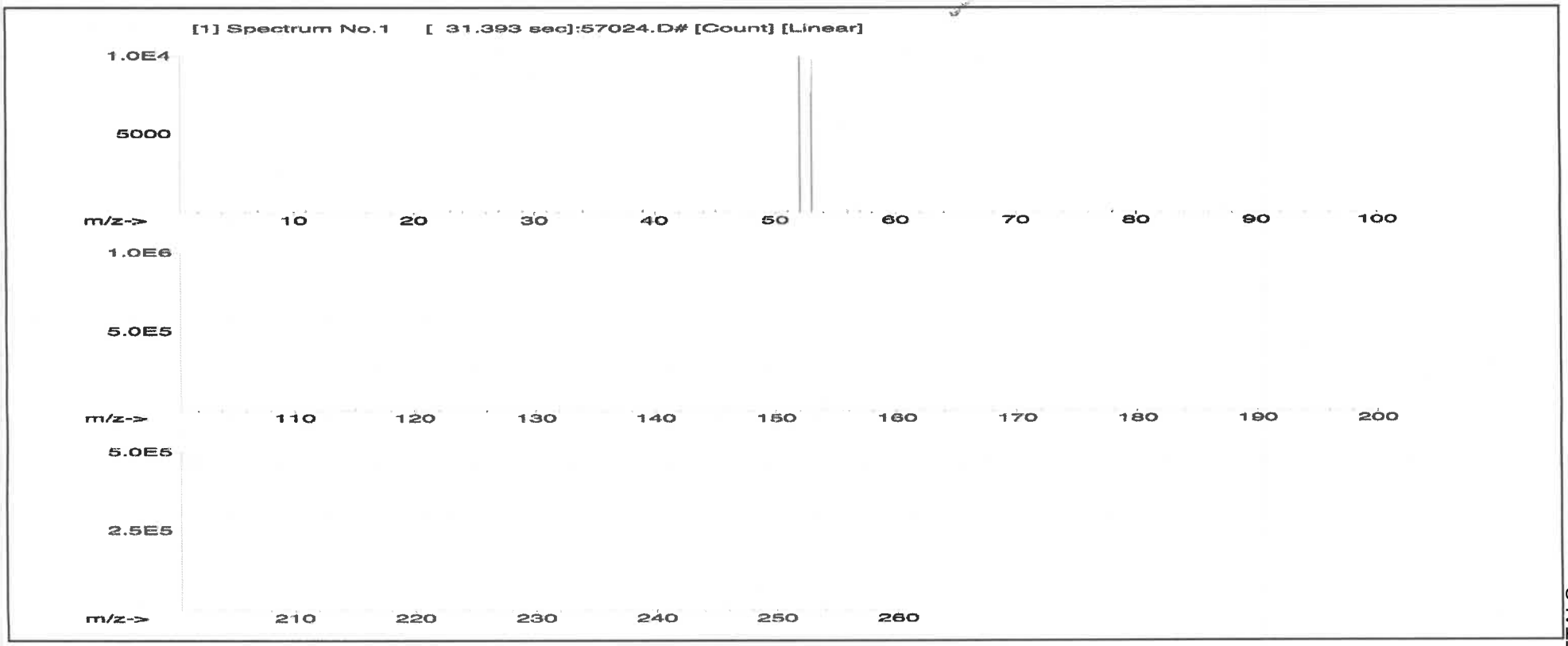


CERTIFIED WEIGHT REPORT:

| | | 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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M5697 R: 10/27/23

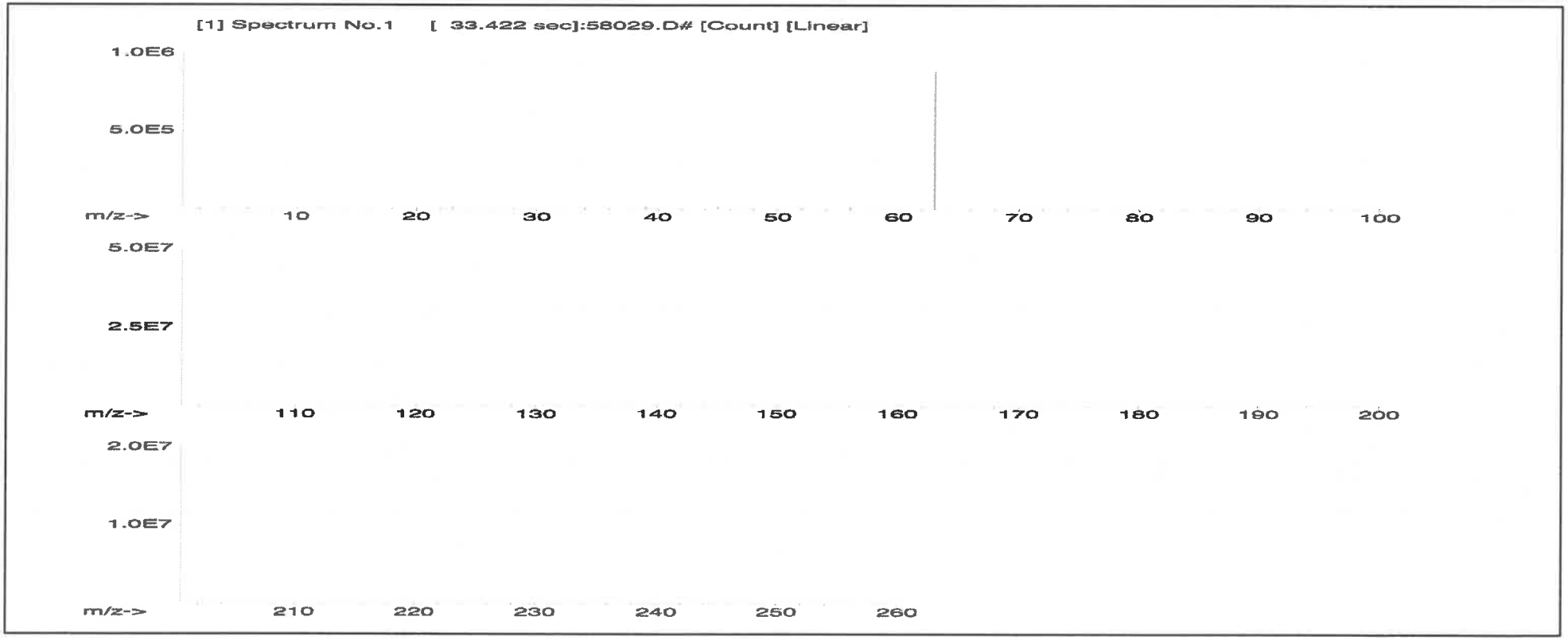
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CERTIFIED WEIGHT REPORT:

| | | 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.
* 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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M5648 R: 10/27/23

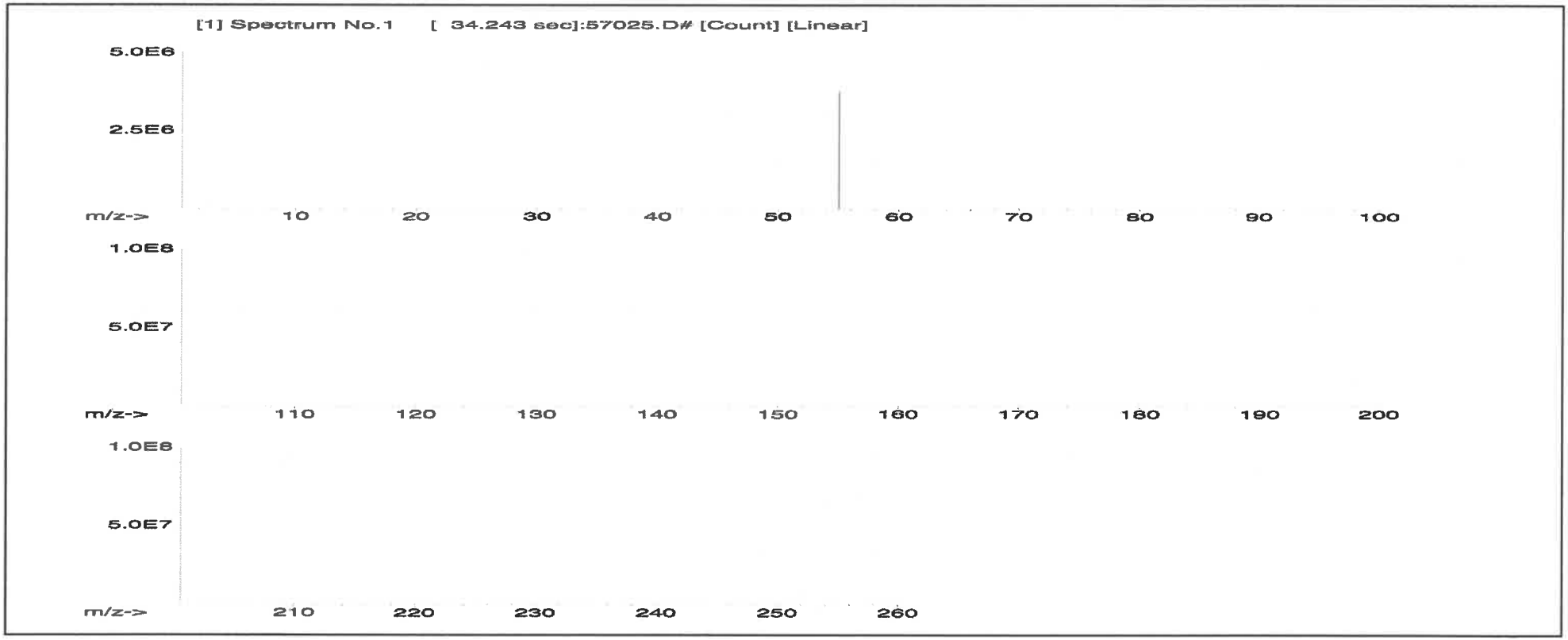
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CERTIFIED WEIGHT REPORT:

| | | Lot # | Solvent: | |
|---|---|---|---|---|
| **Part Number:** | **58025** | 24002546 | Nitric Acid | |
| **Lot Number:** | **102623** | | | |
| **Description:** | **Manganese (Mn)** | | | |
| | | 2.0% | 60.0 (mL) | Nitric Acid |
| **Expiration Date:** | 102626 | | | |
| **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):** | 3000.41 | 0.058 | Flask Uncertainty | |

| | | |
|---|---|---|
| Formulated By: | Benson Chan | 102623 |
| Reviewed By: | Pedro L. Rentas | 102623 |

| 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. Manganese(II) nitrate tetrahydrate (Mn) | 58125 | 071123 | 0.1000 | 300.0 | 0.084 | 1000 | 10000.1 | **1000.0** | **2.1** | 20694-39-7 | 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:**

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 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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M5768 M5769 (BP) R:1/3/24

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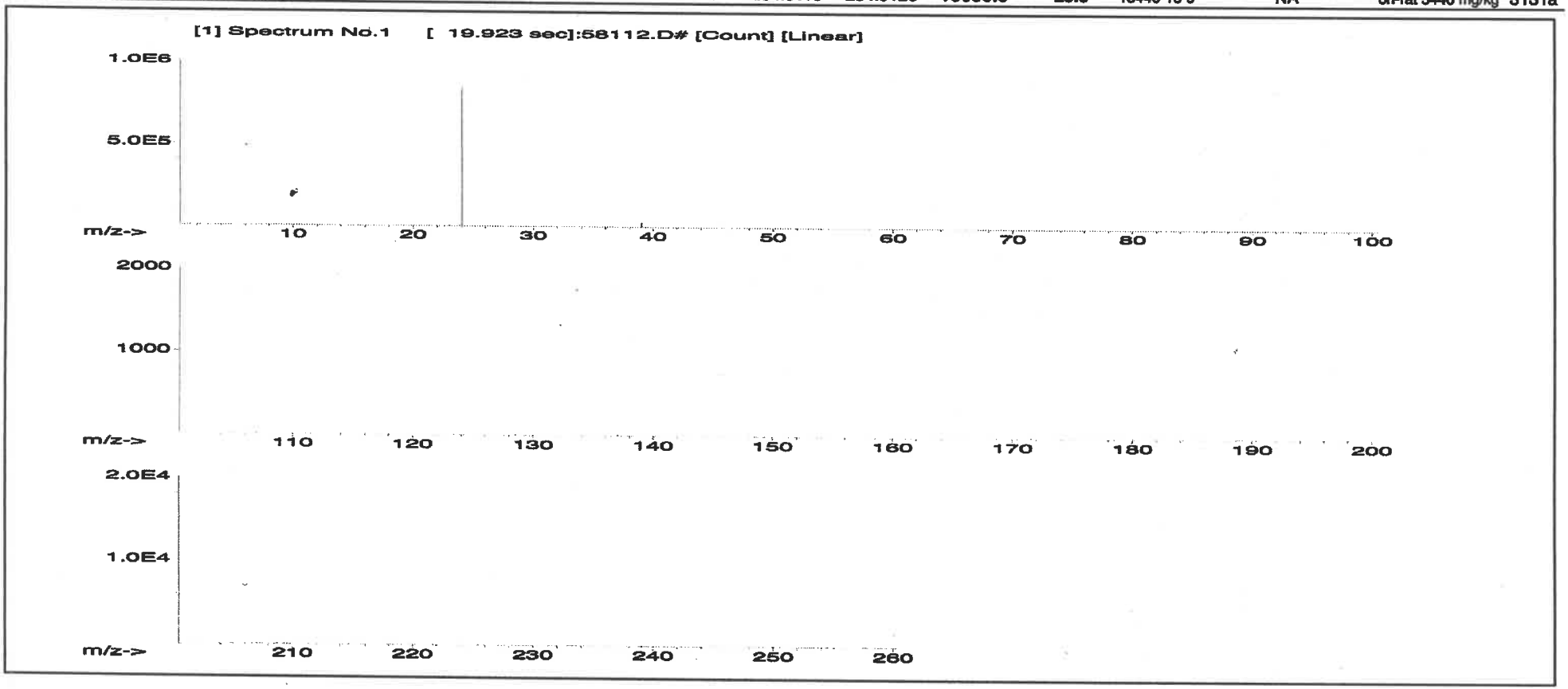


## CERTIFIED WEIGHT REPORT:

| | | | Lot # | |
|---|---|---|---|---|
| **Part Number:** | **58112** | **Solvent:** | 24002546 | Nitric Acid |
| **Lot Number:** | **091823** | | | |
| **Description:** | **Magnesium (Mg)** | 2% | 40.0 (mL) | Nitric Acid |
| **Expiration Date:** | 091826 | | | |
| **Recommended Storage:** | Ambient (20 °C) | M5768, M5769 (BP) R: 1/3/24 | | |
| **Nominal Concentration (µg/mL):** | **10000** | | | |
| **NIST Test Number:** | 6UTB | 5E-05 Balance Uncertainty | | |
| **Weight shown below was diluted to (mL):** | 2000.02 | 0.058 Flask Uncertainty | | |

| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 091823 |
| Reviewed By: | Pedro L. Rentas | 091823 |

| 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 | 234.9118 | 234.9126 | **10000.0** | **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.
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R: 02/09/24 M5798

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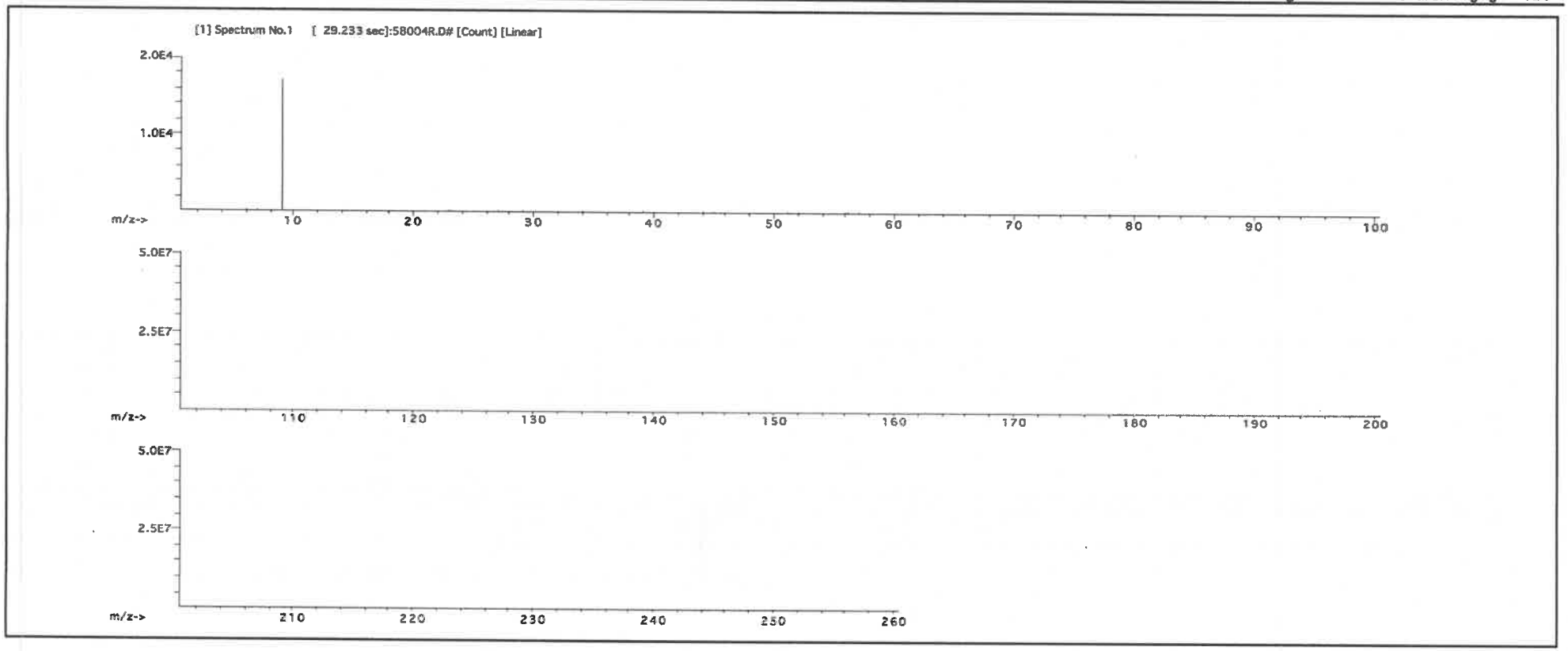
Revised

CERTIFIED WEIGHT REPORT:

| | | Lot # | Solvent: | | |
|---|---|---|---|---|---|
| **Part Number:** | **57004** | 24002546 | Nitric Acid | | |
| **Lot Number:** | **102523** | | | | |
| **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 |



A3446-METALS

**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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* 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? 02/09/24 IV15799 BA

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**CERTIFIED WEIGHT REPORT:**

**Part Number:** 57050
**Lot Number:** 071123
**Description:** Tin (Sn)

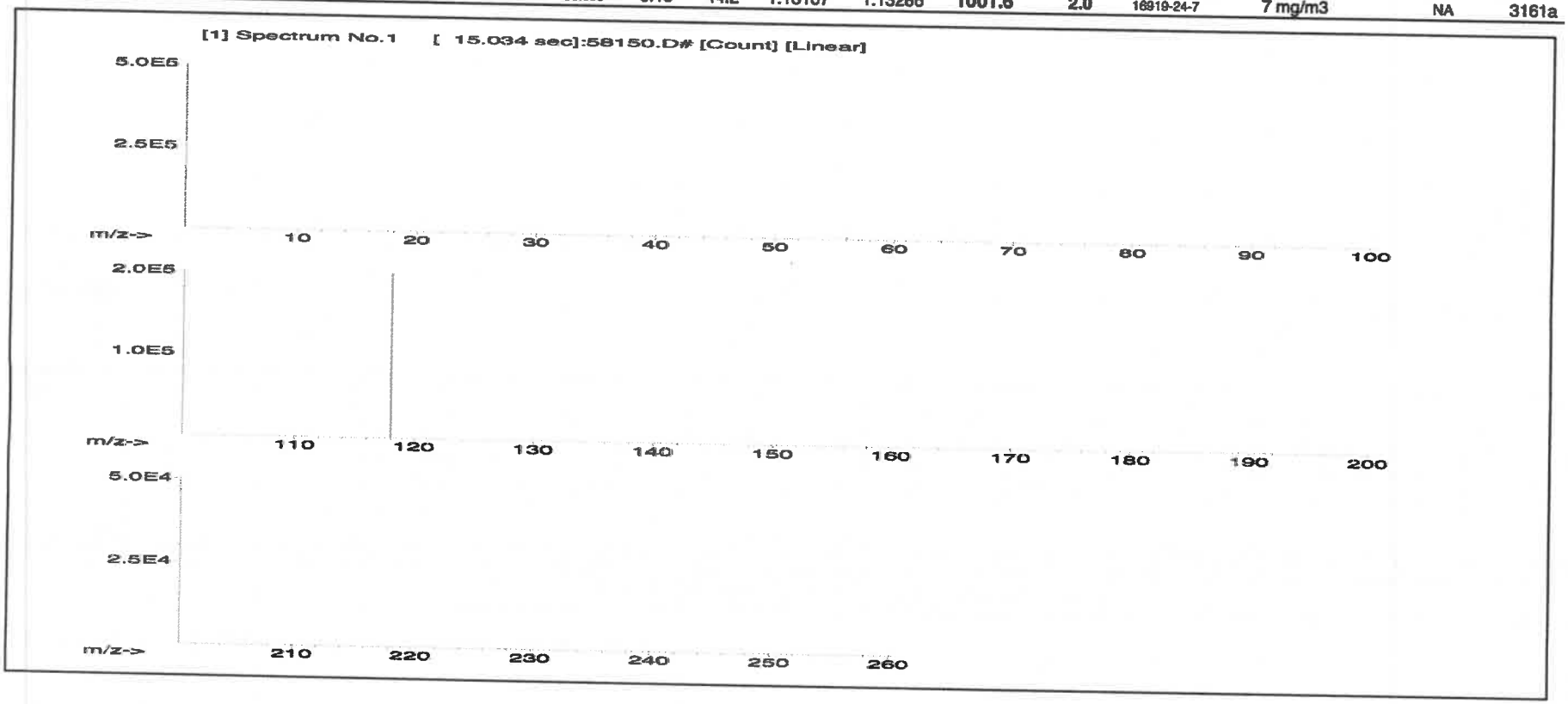
**Expiration Date:** 071126
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 1000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 499.93

| 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:

* 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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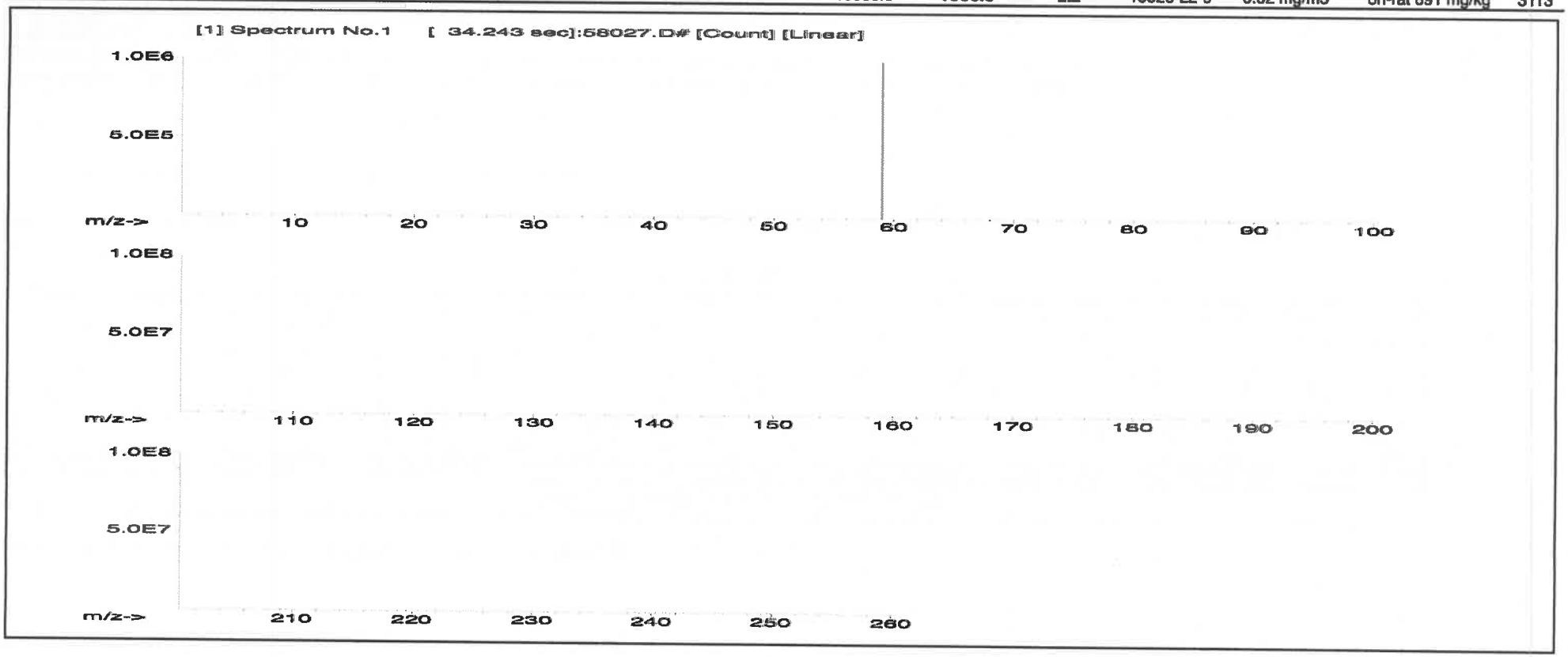
CERTIFIED WEIGHT REPORT:

| | | Lot # | Solvent: | | |
|---|---|---|---|---|---|
| **Part Number:** | **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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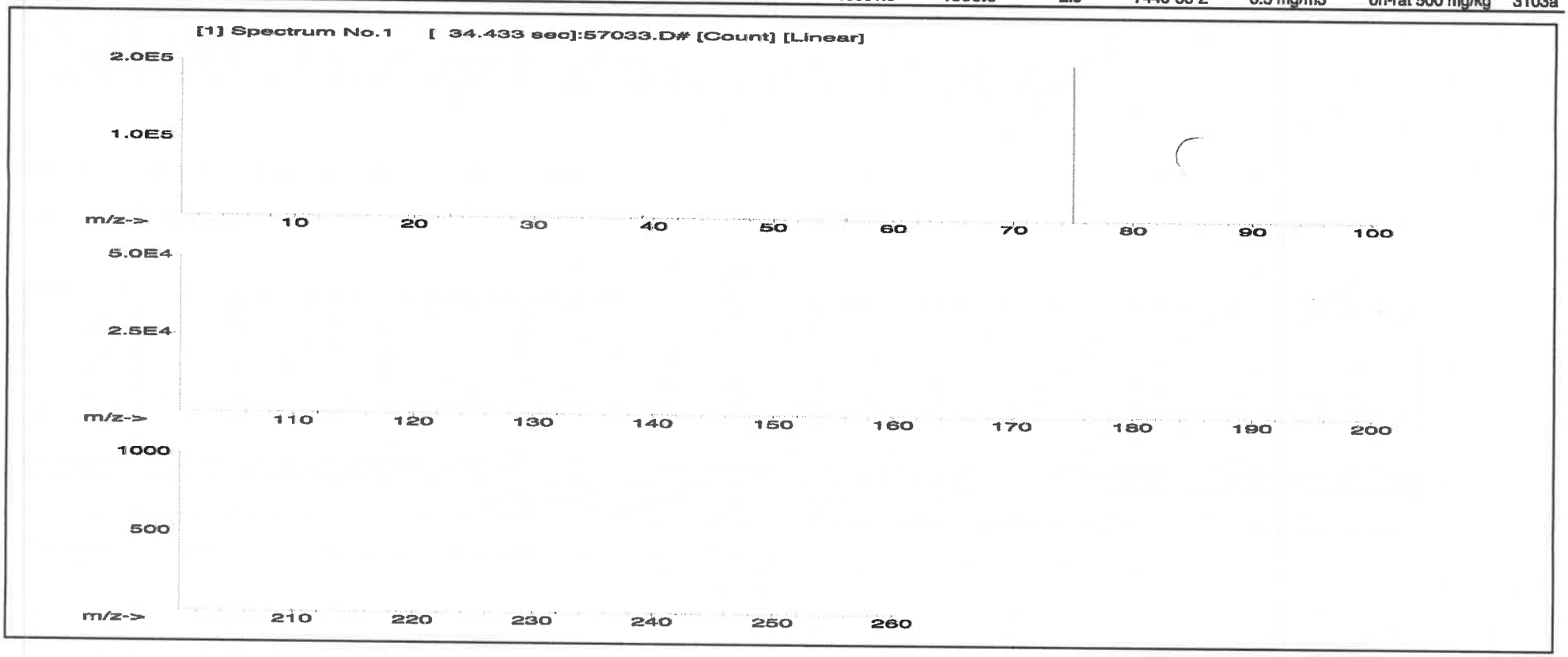


CERTIFIED **WEIGHT** REPORT:

| | | 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.
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* 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:

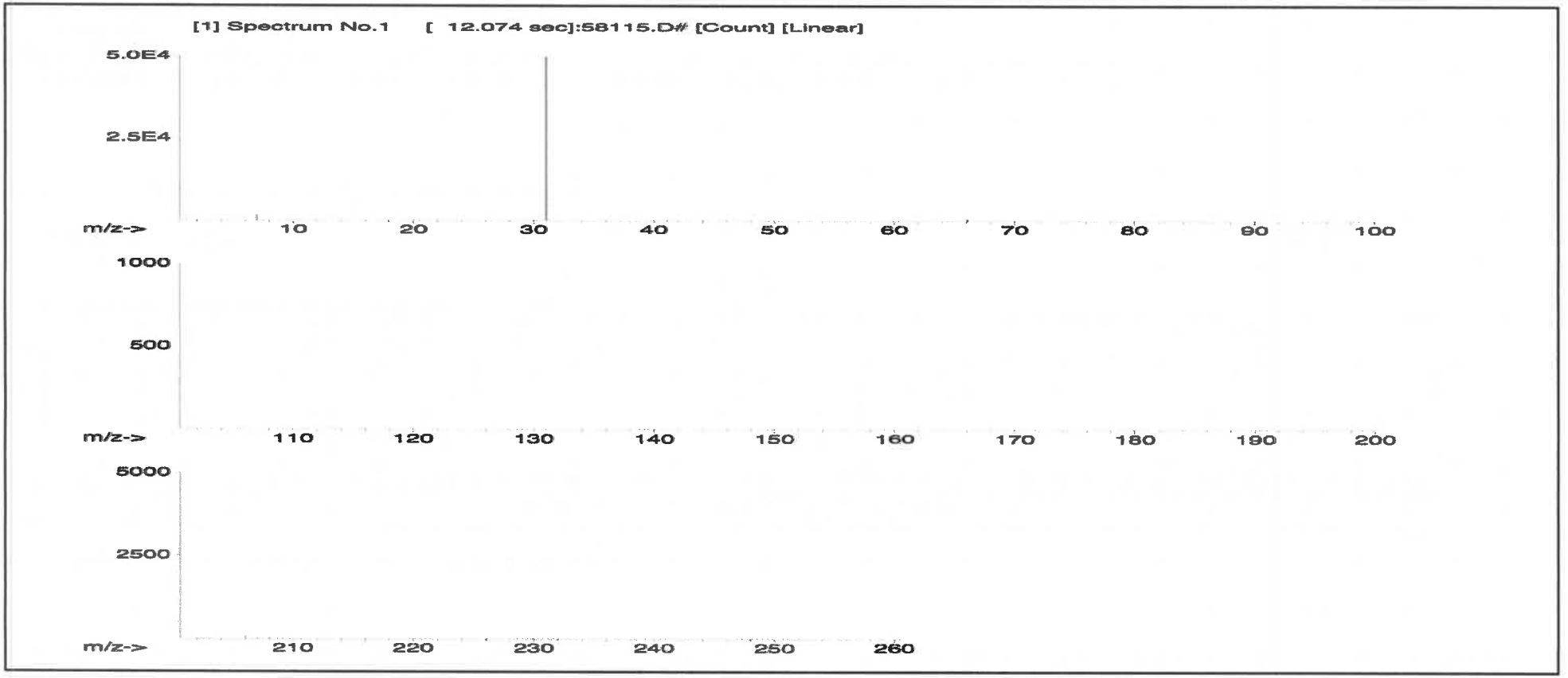
**Part Number:** 57115
**Lot Number:** 041723
**Description:** Phosphorous (P)

**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 |






P3440-METALS

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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.

* 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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R: 02/09/24 M5817

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CERTIFIED WEIGHT REPORT:

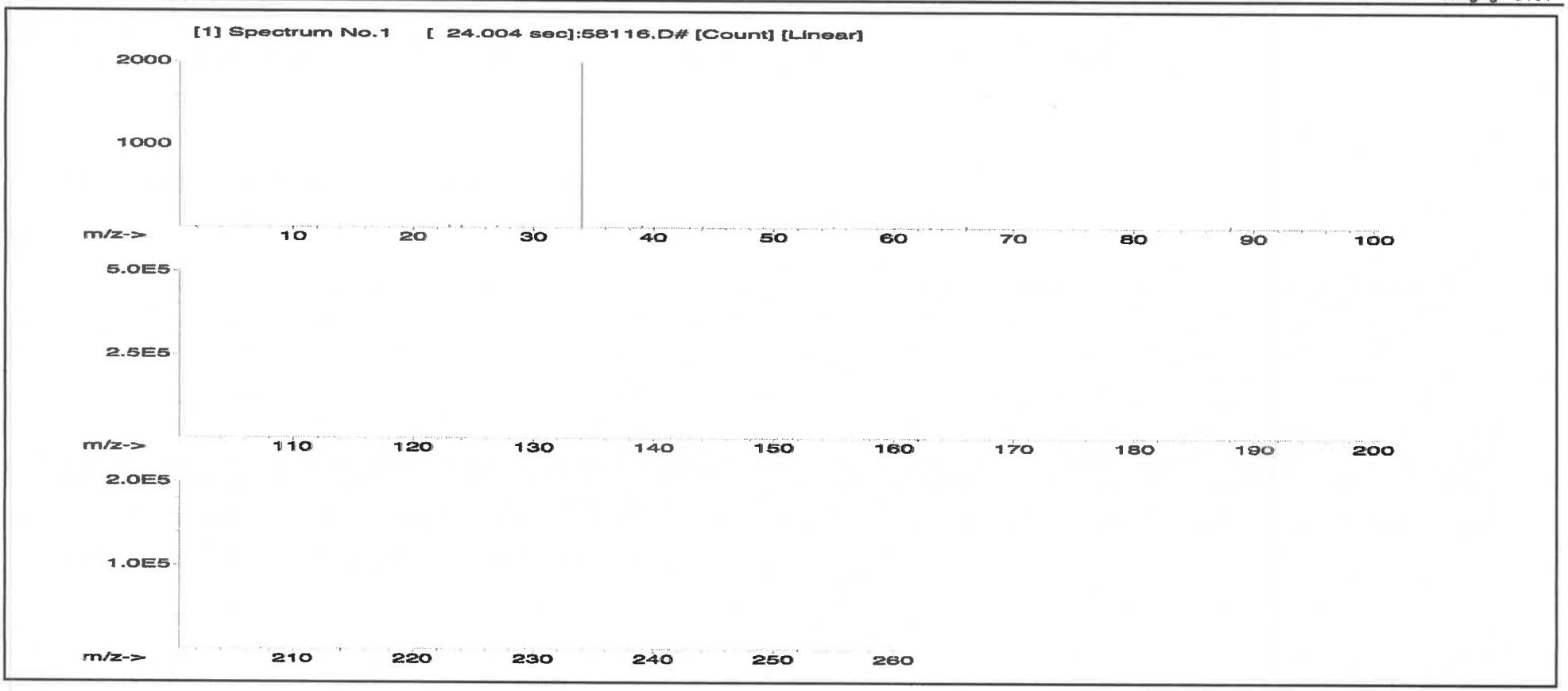
**Part Number:** 57116
**Lot Number:** 071123
**Description:** Sulfur (S)

**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 | ori-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:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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## CERTIFIED WEIGHT REPORT:

**Part Number:** 57014
**Lot Number:** 122023
**Description:** Silicon (Si)

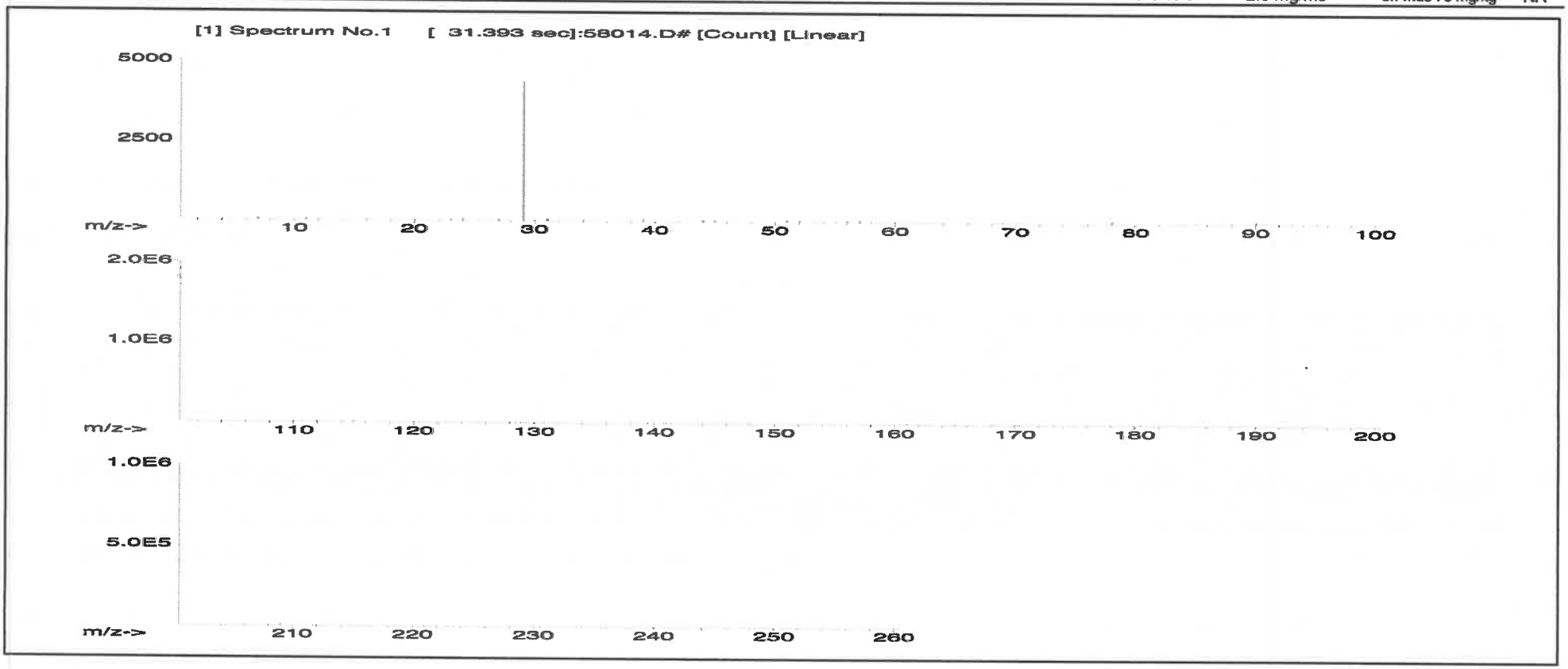
**Expiration Date:** 122026
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 1000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 1999.48 ± 0.058 Flask Uncertainty

| | | | |
|---|---|---|---|
| **Solvent:** | 24002546 | Nitric Acid | |
| | 2% | 40.0 (mL) | Nitric Acid |
| | | 5E-05 | Balance Uncertainty |

Aleah O'Brady

| | | |
|---|---|---|
| Formulated By: | Aleah O'Brady | 122023 |
| Reviewed By: | Pedro L. Rentas | 122023 |

| 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 hexafluorosilicate (Si) | IN009 | SID082022A1 | 1000 | 99.999 | 0.10 | 14.4 | 13.8854 | 13.8855 | **1000.0** | **2.0** | 16919-19-0 | 2.5 mg/m3 | orl-mus 70 mg/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 | T | 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: 02/09/24 M5819

CERTIFIED WEIGHT REPORT:

**Part Number:** 58030
**Lot Number:** 111623
**Description:** Zinc (Zn)

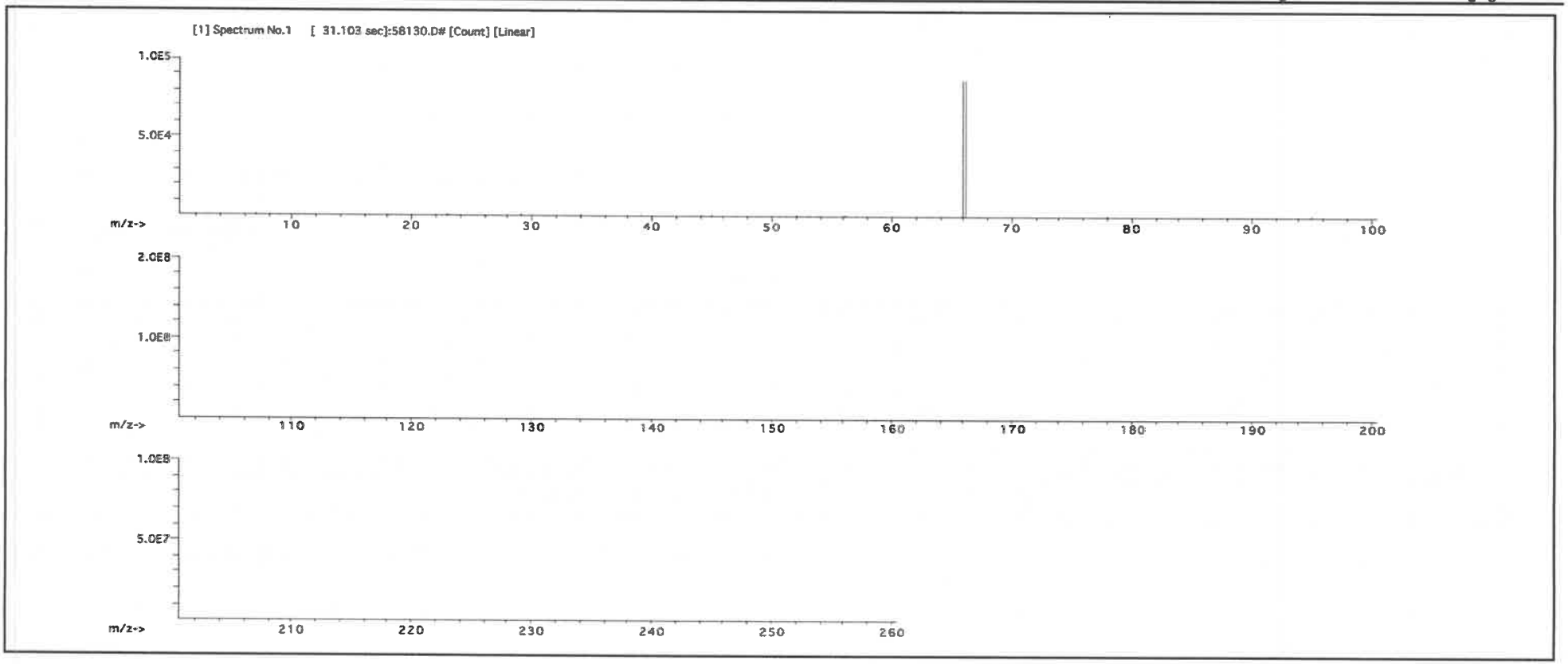
**Expiration Date:** 111626
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 1000
**NIST Test Number:** 6UTB

**Weight shown below was diluted to (mL):** 3000.4 | 0.06 Flask Uncertainty | 5E-05 Balance Uncertainty

| | Lot # | |
|---|---|---|
| **Solvent:** | 24002546 | Nitric Acid |
| 2% | 60.0 (mL) | Nitric Acid |

| | | |
|---|---|---|
| Formulated By: | Benson Chan | 111623 |
| Reviewed By: | Pedro L. Rentas | 111623 |

| 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 | 12.3475 | 12.3502 | **1000.2** | **2.0** | 10196-18-6 | 1 mg/m3 | orl-rat 1190mg/kg | 3168 |






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P3440-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 | 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:**

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).

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

MS947 MS948 MS949
MS950 MS951 MS952

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

## QATS LABORATORY INORGANIC REFERENCE MATERIAL INITIAL CALIBRATION VERIFICATION SOLUTIONS (ICV1, ICV5, AND ICV6)

**NOTE:** These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

***APPLICATION:*** For use with the CLP SFAM01.0 SOW and revisions.

***CAUTION:*** Read instructions carefully before opening bottle(s) and proceeding with the analyses.

MSS28 - 32
MSS53
3/30/23

**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.

## Instructions for QATS Reference Material: *Inorganic ICV Solutions*

**ICV1-1014** For ICP-MS analysis, use a 50-fold dilution by pipetting 2 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

**ICV5-0415** For the cold vapor analysis of mercury by AA, use a 100-fold dilution by pipetting 1 mL of the ICV5 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

**ICV6-0400** For the analysis of cyanide, use a 100-fold dilution by pipetting 1 mL of the ICV6 concentrate into a 100 mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

**NOTE:** USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

### (D) *CERTIFIED CONCENTRATIONS OF QATS ICV1, ICV5, AND ICV6 SOLUTIONS*

| ICV1-1014 | | |
|---|---|---|
| **Element** | **Concentration (µg/L) (after 10-fold dilution)** | **Concentration (µg/L) (after 50-fold dilution)** |
| Al | 2500 | 500 |
| Sb | 1000 | 200 |
| As | 1000 | 200 |
| Ba | 520 | 100 |
| Be | 510 | 100 |
| Cd | 510 | 100 |
| Ca | 10000 | 2000 |
| Cr | 520 | 100 |
| Co | 520 | 100 |
| Cu | 510 | 100 |
| Fe | 10000 | 2000 |
| Pb | 1000 | 200 |
| Mg | 6000 | 1200 |
| Mn | 520 | 100 |
| Ni | 530 | 110 |
| K | 9900 | 2000 |
| Se | 1000 | 200 |
| Ag | 250 | 50 |
| Na | 10000 | 2000 |
| Tl | 1000 | 210 |
| V | 500 | 100 |
| Zn | 1000 | 200 |

| ICV5-0415 | | ICV6-0400 | |
|---|---|---|---|
| **Element** | **Concentration (µg/L) (after 100-fold dilution)** | **Analyte** | **Concentration (µg/L) (after 100-fold dilution)** |
| Hg | 4.0 | $CN^-$ | 99 |

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M5961 R: 6/11/24

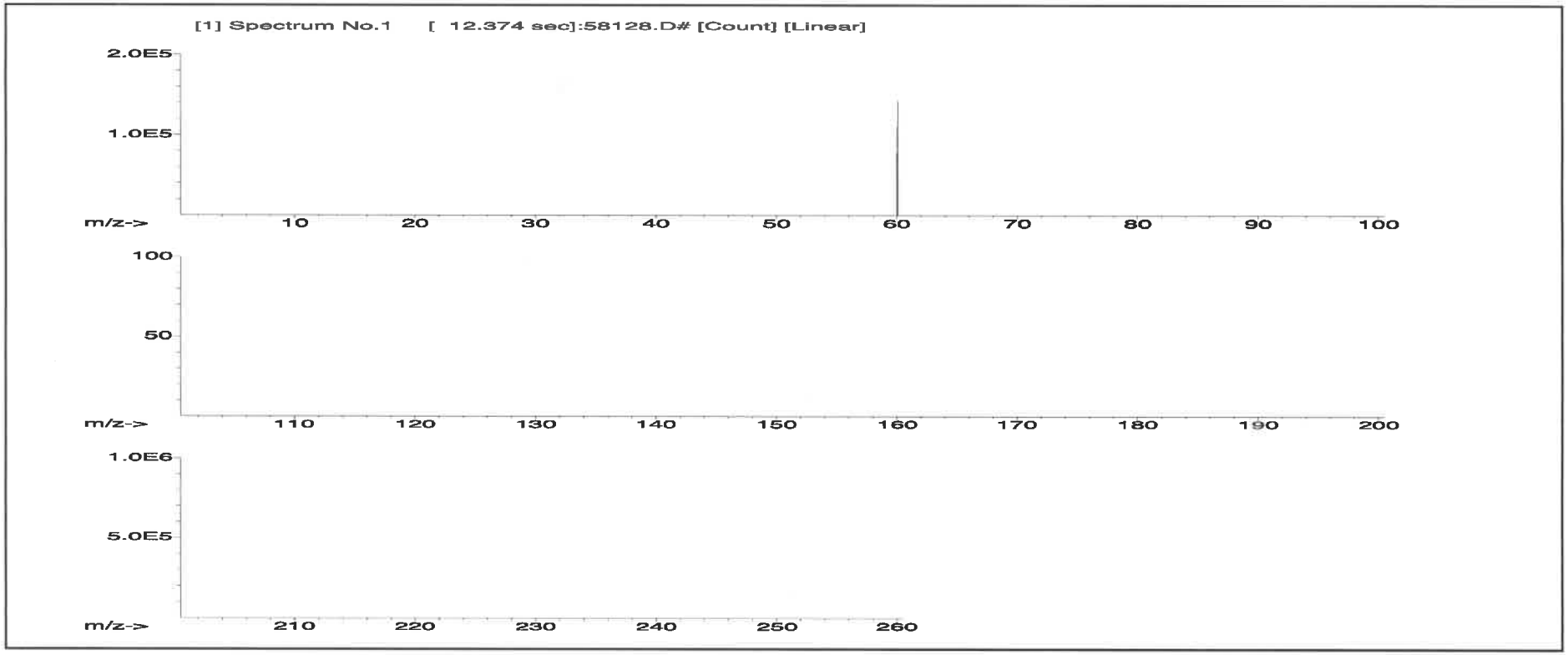
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CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **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).
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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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M5962 R! 06/14/24.

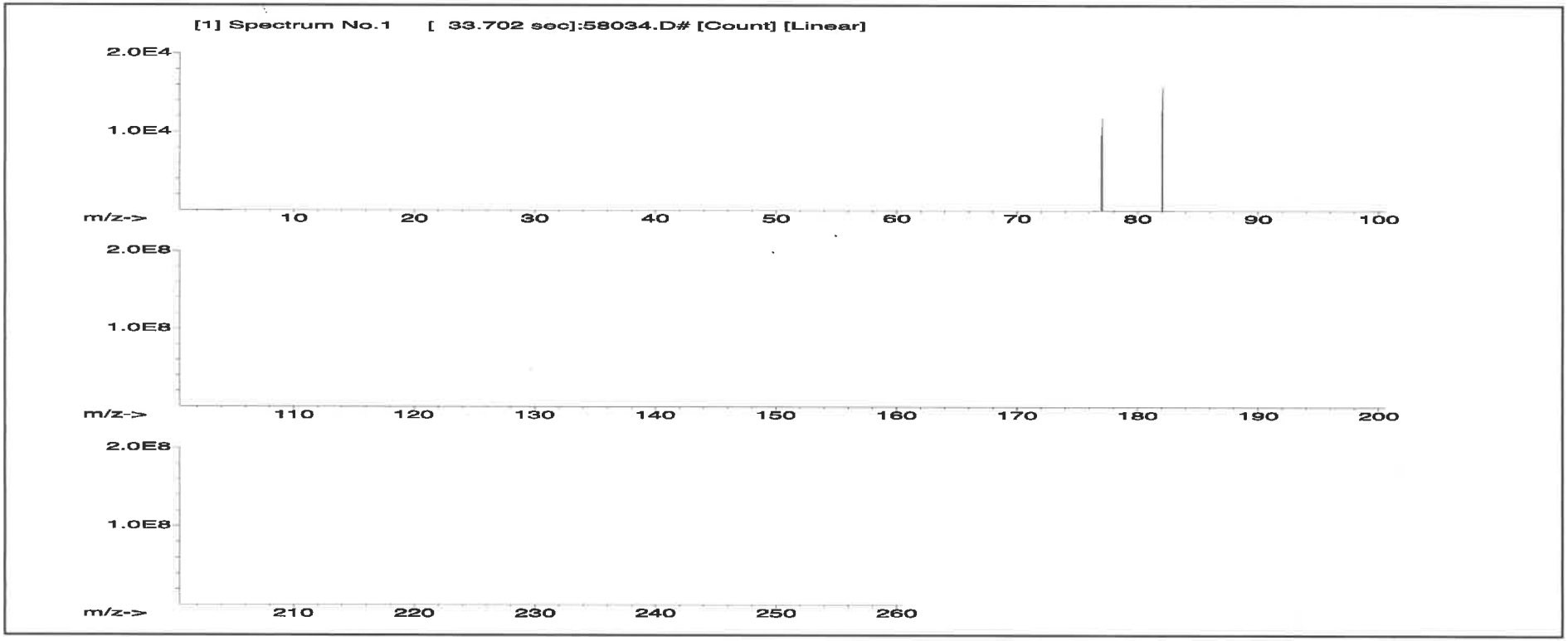
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CERTIFIED WEIGHT REPORT:

| | | 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:**

**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).

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

MS963 MS964 MS965
MS966 MS967 MS968

Material No.: 9606-03
Batch No.: 24B1362001
Manufactured Date: 2024-01-25
Retest Date: 2029-01-23
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($HNO_3$) | 69.0 - 70.0 % | 69.6 % |
| 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 | < 0.2 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 | < 50 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.: 24B1362001

| Test | Specification | Result |
|---|---|---|
| Trace Impurities – Niobium (Nb) | ≤ 50.0 ppb | < 1.0 ppb |
| Trace Impurities – Potassium (K) | ≤ 50 ppb | < 10 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 | 3 par/ml |
| Particle Count – 1.0 µm and greater | ≤ 10 par/ml | 1 par/ml |

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24B1362001

| Test | Specification | Result |
|---|---|---|

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

MS963 MS964 MS965
MS966 MS967 MS968

Material No.: 9606-03
Batch No.: 24B1362001
Manufactured Date: 2024-01-25
Retest Date: 2029-01-23
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($HNO_3$) | 69.0 - 70.0 % | 69.6 % |
| 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 | < 0.2 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 | < 50 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.: 24B1362001

| Test | Specification | Result |
|---|---|---|
| Trace Impurities – Niobium (Nb) | ≤ 50.0 ppb | < 1.0 ppb |
| Trace Impurities – Potassium (K) | ≤ 50 ppb | < 10 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 | 3 par/ml |
| Particle Count – 1.0 µm and greater | ≤ 10 par/ml | 1 par/ml |

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24B1362001

| Test | Specification | Result |
|---|---|---|

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

INORGANIC VENTURES
Refine your results. Redefine your industry.

# Certificate of Analysis

M5976, M5977
R: 02/22/24

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## 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



M5978, M5979

INORGANIC VENTURES
Refine your results. Redefine your industry.

# Certificate of Analysis

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## 1.0 ACCREDITATION / REGISTRATION

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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:**

$X_{CRM/RM} = \Sigma(w_i)(\bar{x}_i)$

$\bar{x}_i$ = 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:**

$X_{CRM/RM} = (\bar{x}_a)\ (u_{char\ a})$

$\bar{x}_a$ = 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 | < | 0.000536 | 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 for months in 1% 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

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www.absolutestandards.com

*Certified Reference Material CRM*

H5981 R:6/11/24

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## 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 | | |

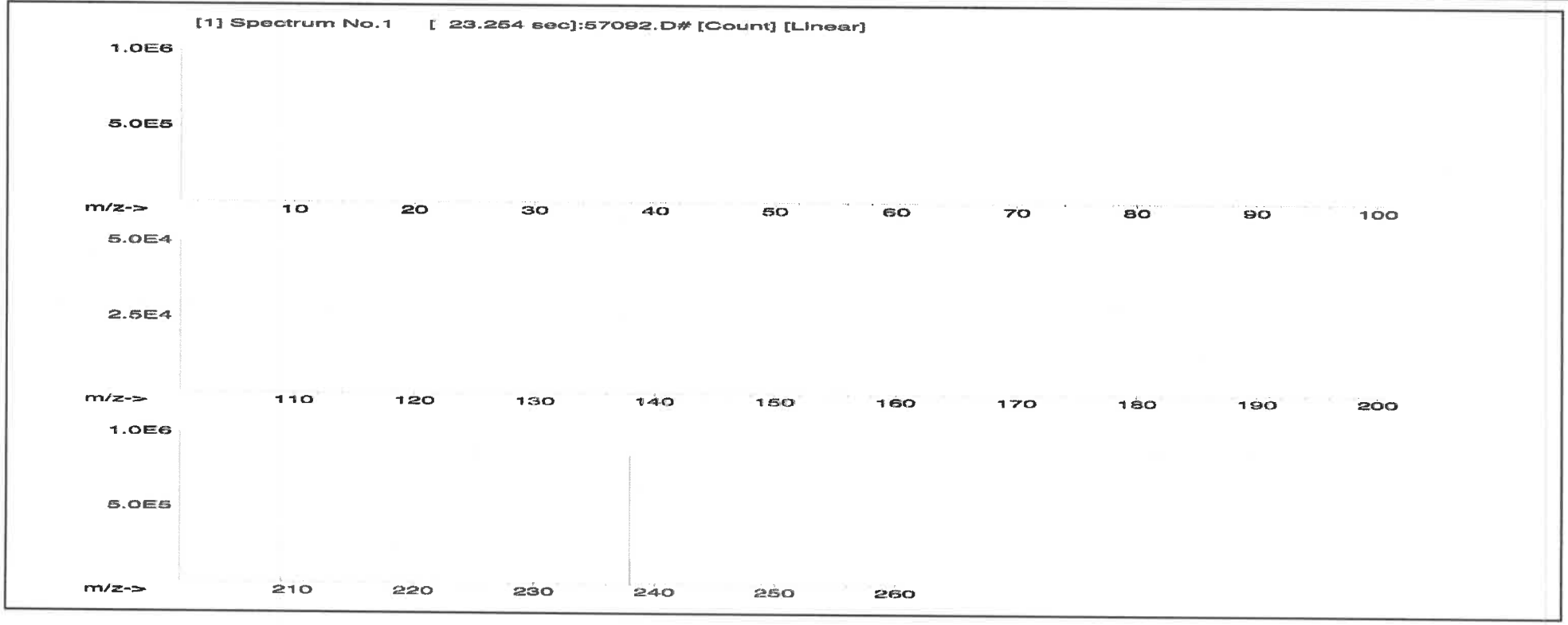
Giovanni Esposito

| 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 |



**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).

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45982 R: 6/11/24

CERTIFIED WEIGHT REPORT:

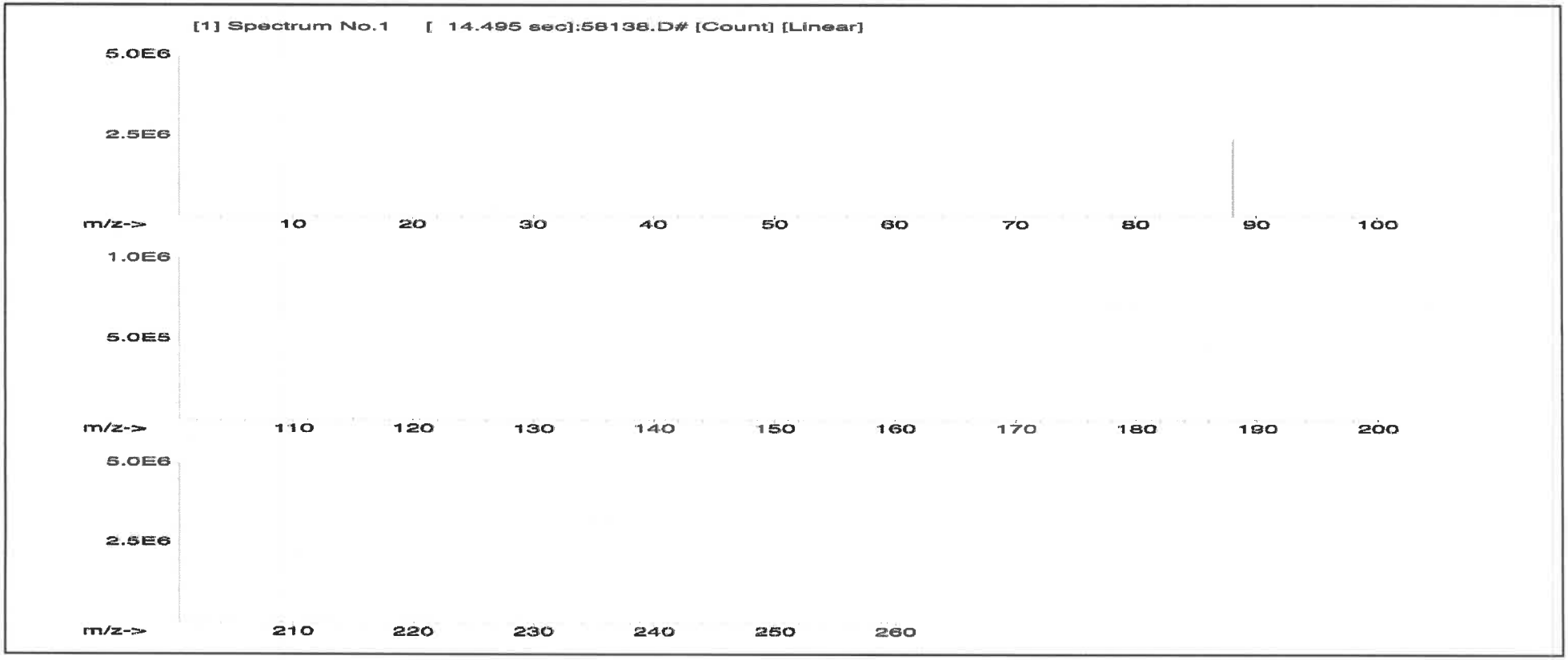
**Part Number:** 57038
**Lot Number:** 031524
**Description:** Strontium (Sr)

**Expiration Date:** 031527
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 1000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 2000.07

| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 24002546 | Nitric Acid | |
| 2% | 40.0 (mL) | Nitric Acid | |
| 5E-05 | Balance Uncertainty | | |
| 0.100 | Flask Uncertainty | | |

| | | |
|---|---|---|
| Formulated By: | Benson Chan | 031524 |
| Reviewed By: | Pedro L. Rentas | 031524 |

| 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. Strontium nitrate (Sr) | IN017 | SRZ022018A1 | 1000 | 99.997 | 0.10 | 41.2 | 4.85470 | 4.85502 | **1000.1** | **2.0** | 10042-76-9 | NA | orl-rat >2000mg/kg | 3153a |



P-3140-METALS

**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 | T | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

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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M5983 R: 6/11/24

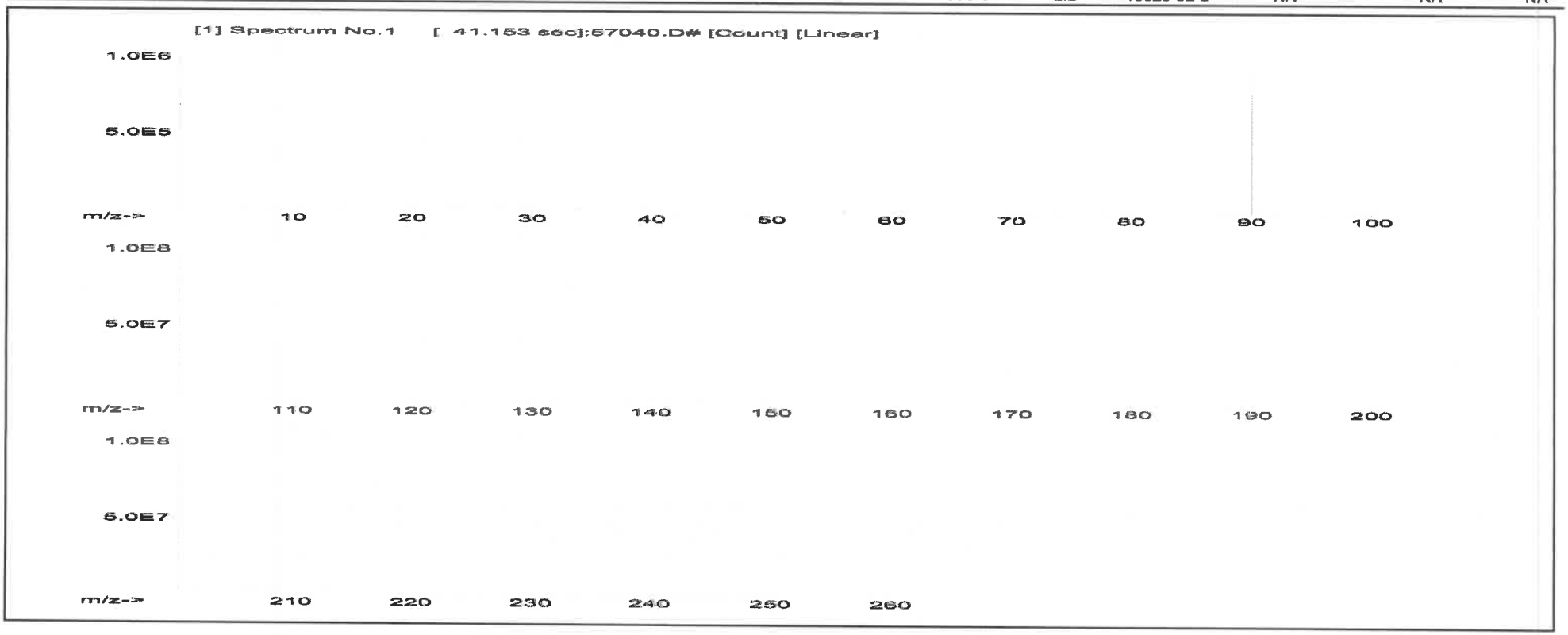
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https://Absolutestandards.com

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 |



P3440-METALS

**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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***Certified Reference Material CRM***

R: 01/03/24 M6033

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CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **58113** | | | **Lot #** | |
| **Lot Number:** | **011623** | | **Solvent:** | 20510011 | Nitric Acid |
| **Description:** | **Aluminum (Al)** | | | | |
| | | | 2% | 40.0 (mL) | Nitric Acid |
| **Expiration Date:** | 011626 | | | | |
| **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):** | 2000.02 | 0.058 | Flask Uncertainty | | |

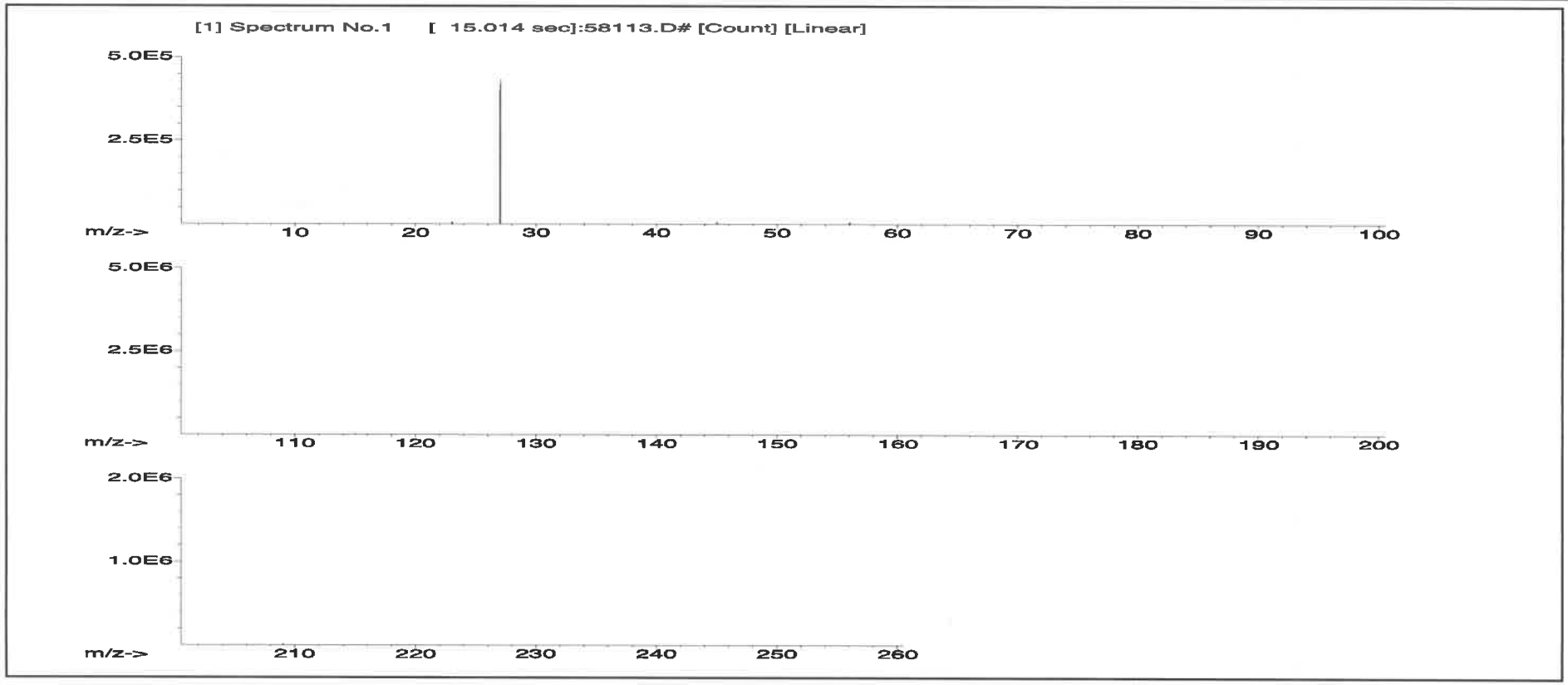
Giovanni Esposito

| | | |
|---|---|---|
| Formulated By: | Giovanni Esposito | 011623 |

Pedro Rentas

| | | |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 011623 |

| 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. Aluminum nitrate nonahydrate (Al) | IN022 | ALM112021A1 | 10000 | 99.999 | 0.10 | 7.30 | 273.9779 | 274.0078 | **10001.1** | **20.0** | 7784-27-2 | 2 mg/m3 | orl-rat 3671 mg/kg | 3101a |






Revised
1032 of 1057
P3440-METALS

Nitric Acid 69%
CMOS

Recv date: 1.1.—08/01/2023

M6034, M6037
M6035, M6038,
M6036,

avantor™ | J.T.Baker®

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

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

*Certified Reference Material CRM*

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

R: 01/03/24 M5806, M5807

## CERTIFIED WEIGHT REPORT:

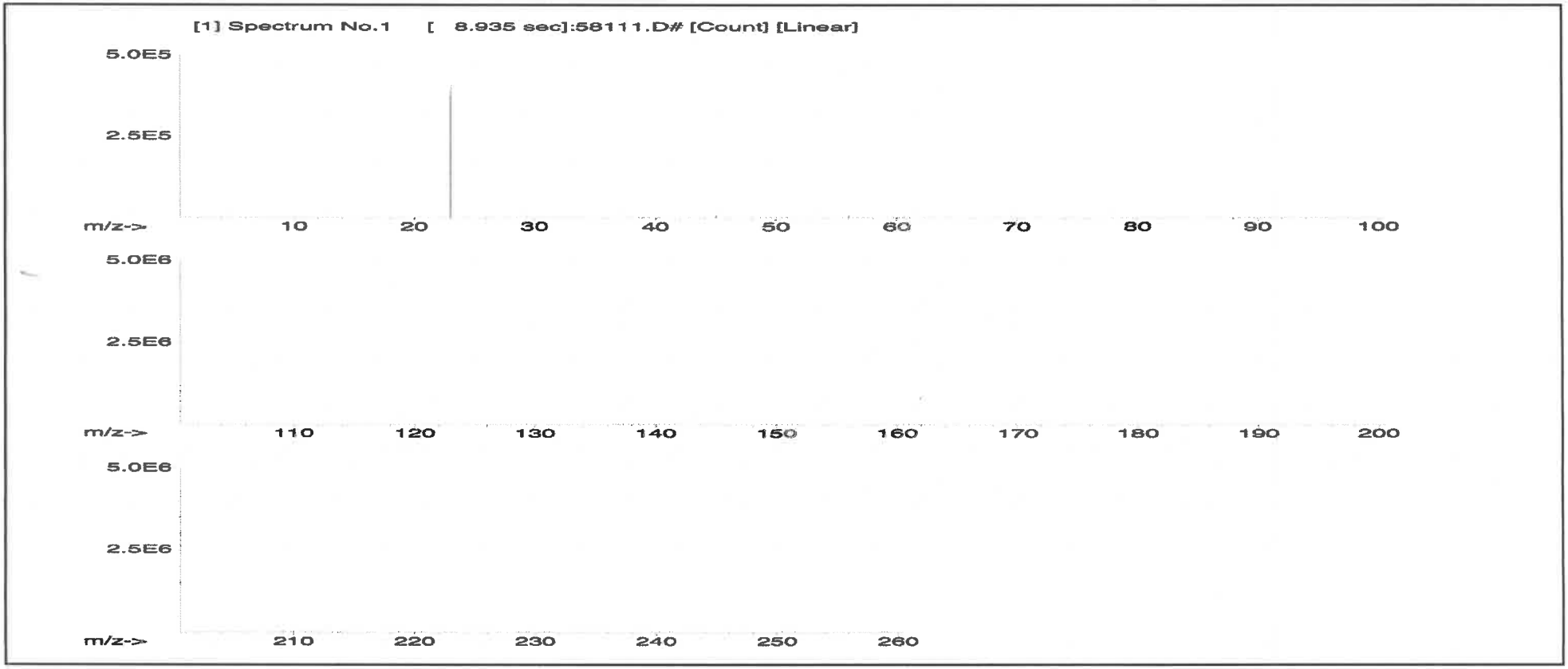
| | | Lot # | |
|---|---|---|---|
| **Part Number:** | **58111** | **Solvent:** 24002546 | Nitric Acid |
| **Lot Number:** | **122223** | | |
| **Description:** | **Sodium (Na)** | 2% 60.0 (mL) | Nitric Acid |
| **Expiration Date:** | 122226 | | |
| **Recommended Storage:** | Ambient (20 °C) | | |
| **Nominal Concentration (µg/mL):** | **10000** | | |
| **NIST Test Number:** | 6UTB | 5E-05 Balance Uncertainty | |
| **Weight shown below was diluted to (mL):** | 3000.4 | 0.06 Flask Uncertainty | |

Aleah O'Brady

Formulated By: Aleah O'Brady 122223

Reviewed By: Pedro L. Rentas 122223

| 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 | 111.5406 | 111.5479 | **10000.7** | **20.0** | 7631-99-4 | 5 mg/m3 | orl-rat 3430 mg/kg | 3152a |






1036 of 1057 Revised
P3440-METALS

**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 | <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:**

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.

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**

| 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) |
|---|---|---|---|---|---|---|---|
| ICSA: M5873 | | | | | | | ICSB: M5874 |
| 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.

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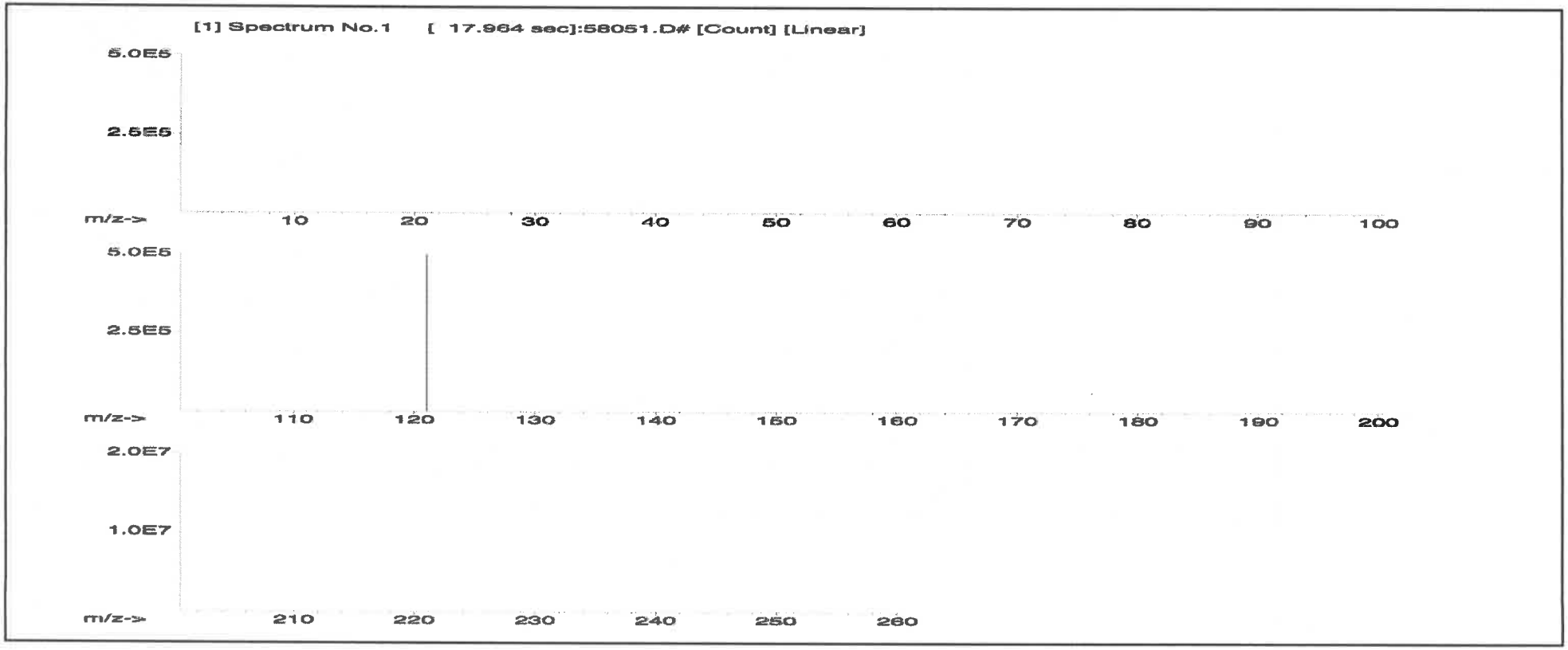
R: 01/03/24 M5802, M5803

CERTIFIED WEIGHT REPORT:

| | | Lot # | Solvent: | |
|---|---|---|---|---|
| **Part Number:** | **57051** | 24002546 | Nitric Acid | |
| **Lot Number:** | **120523** | | | |
| **Description:** | **Antimony (Sb)** | | | |
| | | 2.0% | 60.0 (mL) | Nitric Acid |
| **Expiration Date:** | 120526 | | | |
| **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):** | 3000.41 | 0.058 | Flask Uncertainty | |

| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 120523 |
| Reviewed By: | Pedro L. Rentas | 120523 |

| 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 | 100923 | 0.1000 | 300.0 | 0.084 | 1000 | 10001.4 | **1000.0** | 2.1 | 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).

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M6030

R: 8/5/24

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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

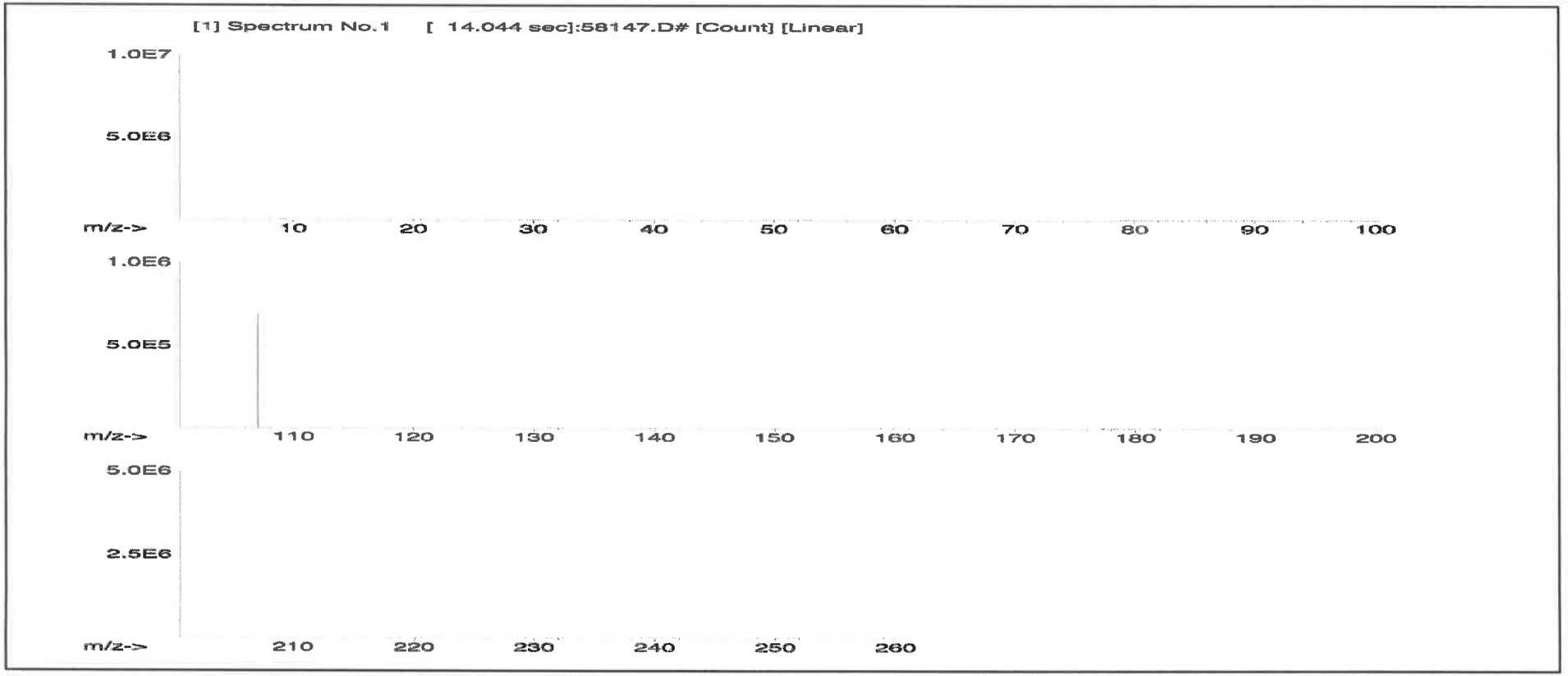
**Weight shown below was diluted to (mL):** 4000.30 0.058 Flask Uncertainty

| | 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:**

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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R: 03/16/23 M5473, M5474, M5475, M5476

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CERTIFIED WEIGHT REPORT:

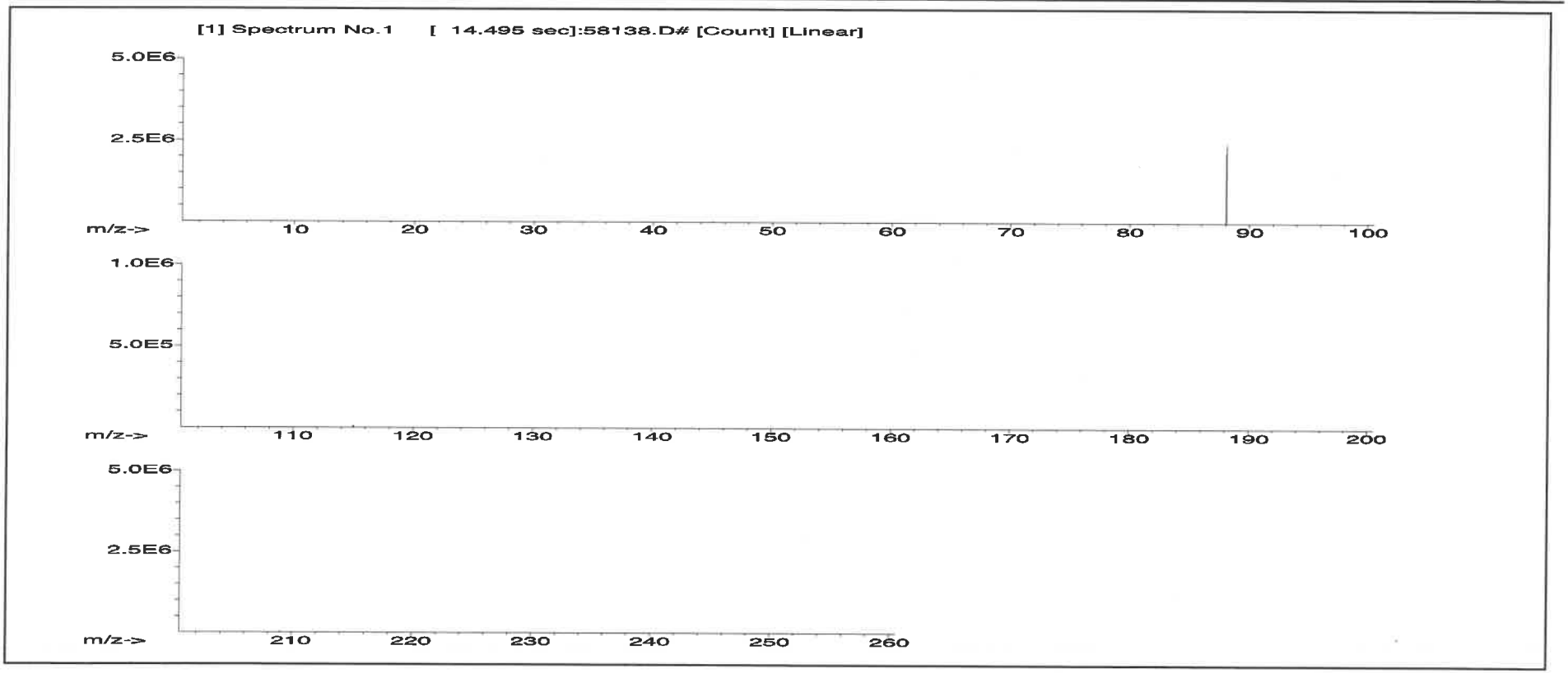
**Part Number:** 56138
**Lot Number:** 082922
**Description:** Strontium (Sr)
**Expiration Date:** 082925
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 1000.12

| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 20510011 | Nitric Acid | |
| 2% | 20.0 (mL) | Nitric Acid | |

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 082922 |
| Reviewed By: | Pedro L. Rentas | 082922 |

| 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. Strontium nitrate (Sr) | IN017 | SRZ022018A1 | 10000 | 99.997 | 0.10 | 41.2 | 24.2756 | 24.2758 | **10000.1** | **20.0** | 10042-76-9 | NA | orl-rat >2000mg/kg | 3153a |



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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 | T | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T)= Target analyte

**Physical Characterization:**

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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M6023

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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 | | |

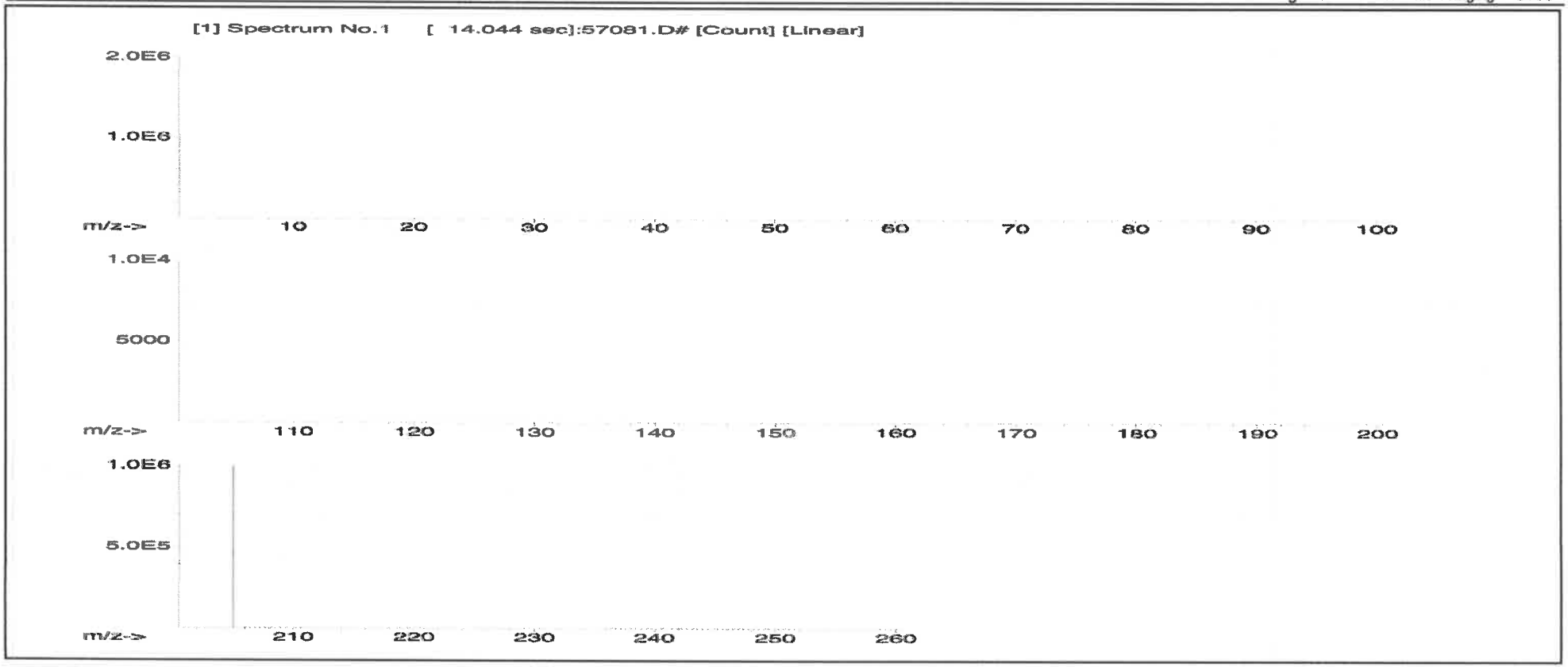
Aleah O'Brady

| | | |
|---|---|---|
| Formulated By: | Aleah O'Brady | 062724 |

Pedro Rentas

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



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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 | 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.

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* 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

# CHEMTECH
## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. P3440
COC Number 2041306

### CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite 1100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Yurfanic
PHONE (281) 414-1719 FAX:

### CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D3779922 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: (201) 936-0586 FAX:

### CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

### DATA TURNAROUND INFORMATION

FAX (RUSH) Standard TAT DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- X Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other

### ANALYSIS

1 VOCs 8260D
2 SVOCs + PAH 8270E, 8270E SIM
3 Metals 6020B; Hg 7470B
4 Cr (VI) 7196A
5
6
7
8
9

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | PRESERVATIVES 1 A/E | 2 E | 3 B/E | 4 E | 5 | 6 | 7 | 8 | 9 | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 923-K1-WS-080124 | WS | | X | 8/1/24 | 0915 | 18 | 6 | 6 | 3 | 3 | | | | | | MS/MSD |
| 2. | 922-K1-WS-080124 | WS | | X | 8/1/24 | 1110 | 6 | 2 | 2 | 1 | 1 | | | | | | |
| 3. | TB-01-080124 | DI | | X | 8/1/24 | 1200 | 1 | 1 | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1. | 8/1/24 1220 | 1. 8-1-24 1220 |
| 2. | | 2. |
| 3. | 8/1/24 1700 | 3. |

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.0°C
Comments: See attached table for required analytes list of ECO-VOCs, ECO-SVOCs, and ECO-metals

Page ____ of ____
CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling
Shipment Complete ☐ YES ☐ NO


WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY
 Revised

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 (L-A-B) | L2219 |
| Maine | 2024021 |
| Maryland | 296 |
| New Hampshire | 255423 |
| 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 :** P3440 JACO05
**Client Name :** JACOBS Engineering Grou
**Client Contact :** Mary I. Murphy
**Invoice Name :** JACOBS Engineering Grou
**Invoice Contact :** Mary I. Murphy

**Order Date :** 8/1/2024 12:28:00 PM
**Project Name :** Former Schlumberger Site I
**Receive DateTime :** 8/1/2024 2:00:00 PM
**Purchase Order :**

**Project Mgr :**
**Report Type :** Level 4
**EDD Type :** CH2MHILL
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| P3440-01 | 923-K1-WS-080124 | Water | 08/01/2024 | 09:15 | | | | | |
| | | | | | VOCMS Group6 | | 8260-Low | | 10 Bus. Days |
| P3440-02 | P3440-01MS | Water | 08/01/2024 | 09:15 | | | | | |
| | | | | | VOCMS Group6 | | 8260-Low | | 10 Bus. Days |
| P3440-03 | P3440-01MSD | Water | 08/01/2024 | 09:15 | | | | | |
| | | | | | VOCMS Group6 | | 8260-Low | | 10 Bus. Days |
| P3440-04 | 922-K1-WS-080124 | Water | 08/01/2024 | 11:10 | | | | | |
| | | | | | VOCMS Group6 | | 8260-Low | | 10 Bus. Days |
| P3440-05 | TB-01-080124 | Water | 08/01/2024 | 12:00 | | | | | |
| | | | | | VOCMS Group6 | | 8260-Low | | 10 Bus. Days |

**Relinguished By :**
**Date / Time :** 8-1-24 1440

**Received By :**
**Date / Time :** 8/1/24 14:20

**Storage Area :** VOA Refridgerator Room