SDG COVER PAGE

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

Lab Code: ACE Case No.: 51817 MA No.: 3225.1,3226.1 SDG No.: MYE470

SOW No. : SFAM01.1

| EPA Sample No. | Lab Sample Id | Analysis Method ICP-AES | ICP-MS | Mercury | Cyanide |
|---|---|---|---|---|---|
| MYE470 | P4479-01 | X | X | | |
| MYE471 | P4479-02 | X | X | | |
| MYE472 | P4479-03 | X | X | | |
| MYE473 | P4479-04 | X | X | | |
| MYE474 | P4479-05 | X | X | | |
| MYE475 | P4479-06 | X | X | | |
| MYE476 | P4479-07 | X | X | | |
| MYE477 | P4479-08 | X | X | | |
| MYE478 | P4479-09 | X | X | | |
| MYE479 | P4479-10 | X | X | | |
| MYE480 | P4479-11 | X | X | | |
| MYE481 | P4479-12 | X | X | | |
| MYE481D | P4479-13 | X | X | | |
| MYE481S | P4479-14 | X | X | | |
| MYE482 | P4479-15 | X | X | | |
| MYE483 | P4479-16 | X | X | | |
| MYE484 | P4479-17 | X | X | | |
| MYE485 | P4479-18 | X | X | | |
| MYE486 | P4479-19 | X | X | | |
| MYE487 | P4479-20 | X | X | | |
| MYE488 | P4479-21 | X | X | | |
| MYE489 | P4479-22 | X | X | | |

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the SDG Narrative. All edits and manual integrations have been peer-reviewed. Release of the data contained in this hardcopy Complete SDG File and in the electronic data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

**USEPA CLP COC (LAB COPY)**
DateShipped: 10/21/2024
CarrierName: FedEx
AirbillNo: 7793 0484 2737

**CHAIN OF CUSTODY RECORD**

Case #: 51817
Cooler #: EPA Cooler 01

**No: 9-101424-084123-0135**
Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed
Lab Phone: 908-728-3151

2

| Sample Identifier | CLP Sample No. | Matrix/Sampler | Coll. Method | Analysis/Turnaround (Days) | Tag/Preservative/Bottles | Location | Collection Date/Time | For Lab Use Only |
|---|---|---|---|---|---|---|---|---|
| 90028-H-00011-01 | MYE460 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7908 (None) (1) | 90028-H-00011 | 04/23/2024 17:06 | |
| 90028-H-00012-01 | MYE461 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7909 (None) (1) | 90028-H-00012 | 04/23/2024 17:21 | |
| 90028-I-00001-01 | MYE462 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7910 (None) (1) | 90028-I-00001 | 04/23/2024 16:16 | |
| 90028-I-00004-01 | MYE463 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7911 (None) (1) | 90028-I-00004 | 04/23/2024 16:02 | |
| 90028-I-00005-01 | MYE464 | Soil/ ERT | Grab | ICP-AES and ICP-MS(21) | 9-7912 (None) (1) | 90028-I-00005 | 04/23/2024 16:50 | |
| 90028-I-00006-01 | MYE465 | Soil/ ERT | Grab | ICP-AES and ICP-MS(21) | 9-7913 (None) (1) | 90028-I-00006 | 04/23/2024 16:37 | |
| 90028-I-00007-01 | MYE466 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7914 (None) (1) | 90028-I-00007 | 04/23/2024 16:25 | |
| 90028-I-00008-01 | MYE467 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7915 (None) (1) | 90028-I-00008 | 04/23/2024 16:28 | |
| 90028-I-00009-01 | MYE468 | Soil/ ERT | Grab | ICP-AES and ICP-MS(21) | 9-7916 (None) (1) | 90028-I-00009 | 04/23/2024 16:22 | |
| 90028-K-00002-01 | MYE469 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7917 (None) (1) | 90028-K-00002 | 04/23/2024 14:30 | |
| 90028-K-00003-01 | MYE470 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7918 (None) (1) | 90028-K-00003 | 04/23/2024 14:36 | - 1 |
| 90028-K-00004-01 | MYE471 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7919 (None) (1) | 90028-K-00004 | 04/23/2024 14:42 | - 2 |
| 90028-K-00005-01 | MYE472 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7920 (None) (1) | 90028-K-00005 | 04/23/2024 14:35 | - 3 |
| 90028-K-00006-01 | MYE473 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7921 (None) (1) | 90028-K-00006 | 04/23/2024 14:44 | - 4 |
| 90028-K-00007-01 | MYE474 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7922 (None) (1) | 90028-K-00007 | 04/23/2024 14:34 | - 5 |
| 90028-K-00008-01 | MYE475 | Soil/ ERT | Grab | ICP-AES and ICP-MS(21) | 9-7923 (None) (1) | 90028-K-00008 | 04/23/2024 14:33 | - 6 |
| 90028-K-00009-01 | MYE476 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7924 (None) (1) | 90028-K-00009 | 04/23/2024 14:38 | - 7 |

| | |
|---|---|
| Special Instructions: ICP-AES 11+Metals:Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn ICP-MS 11+ Metals: Ag, As, Ba,Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se,Tl, V, Zn 057949-50 | **Shipment for Case Complete? N**<br>**Samples Transferred From Chain of Custody #** |
| Analysis Key: ICP-AES and ICP-MS=Metals ICP-AES and ICP-MS | |

| Items/Reason | Relinquished by (Signature and Organization) | Date/Time | Received by (Signature and Organization) | Date/Time | Sample Condition Upon Receipt |
|---|---|---|---|---|---|
| | Jamy Wathen R9 ESAT | 10/18/24 15:50 | | 10-22-24 1003 | 17.9°C IR GUN #1 |
| | | | | | custody seals intact |
| | | | | | NO Temp BLK. |
| | | | | | |

**USEPA CLP COC (LAB COPY)**
DateShipped: 10/21/2024
CarrierName: FedEx
AirbillNo: 7793 0484 2737

**CHAIN OF CUSTODY RECORD**

Case #: 51817
Cooler #: EPA Cooler 01

**No: 9-101424-084123-0135**
Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed
Lab Phone: 908-728-3151

3

| Sample Identifier | CLP Sample No. | Matrix/Sampler | Coll. Method | Analysis/Turnaround (Days) | Tag/Preservative/Bottles | Location | Collection Date/Time | For Lab Use Only |
|---|---|---|---|---|---|---|---|---|
| 90028-K-00010-01 | MYE477 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7925 (None) (1) | 90028-K-00010 | 04/23/2024 14:25 | 8 |
| 90028-K-00010-02 | MYE478 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7926 (None) (1) | 90028-K-00010 | 04/23/2024 14:30 | 9 |
| 90028-K-00011-01 | MYE479 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7927 (None) (1) | 90028-K-00011 | 04/23/2024 14:41 | 10 |
| 90028-K-00012-01 | MYE480 | Soil/ ERT | Grab | ICP-AES and ICP-MS(21) | 9-7928 (None) (1) | 90028-K-00012 | 04/23/2024 14:44 | 11 |
| 90028-L-00001-03 | MYE481 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7929 (None) (1) | 90028-L-00001 | 04/23/2024 14:09 | 12 Q |
| 90028-L-00002-01 | MYE482 | Soil/ ERT | Grab | ICP-AES and ICP-MS(21) | 9-7930 (None) (1) | 90028-L-00002 | 04/23/2024 14:09 | 13 |
| 90028-L-00003-01 | MYE483 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7931 (None) (1) | 90028-L-00003 | 04/23/2024 14:19 | 14 |
| 90028-L-00004-01 | MYE484 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7932 (None) (1) | 90028-L-00004 | 04/23/2024 13:58 | 15 |
| 90028-L-00005-01 | MYE485 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7933 (None) (1) | 90028-L-00005 | 04/23/2024 13:53 | 16 |
| 90028-L-00006-01 | MYE486 | Soil/ ERT | Grab | ICP-AES and ICP-MS(21) | 9-7934 (None) (1) | 90028-L-00006 | 04/23/2024 14:16 | 17 |
| 90028-L-00007-01 | MYE487 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7935 (None) (1) | 90028-L-00007 | 04/23/2024 14:13 | 18 |
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| | | | | | | | | |

Sample(s) to be used for Lab QC: 90028-L-00001-03 Tag 9-7929 - Special Instructions: ICP-AES 11+Metals:Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn ICP-MS 11+ Metals: Ag, As, Ba,Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se,Tl, V, Zn 057949-50

**Shipment for Case Complete? N**

**Samples Transferred From Chain of Custody #**

Analysis Key: ICP-AES and ICP-MS=Metals ICP-AES and ICP-MS

| Items/Reason | Relinquished by (Signature and Organization) | Date/Time | Received by (Signature and Organization) | Date/Time | Sample Condition Upon Receipt |
|---|---|---|---|---|---|
| | Jay Winston R9 ESAT | 10/18/24 15:50 | | 10-22-24 1003 | 17.9°C FM GW #1 |
| | | | | | custody seals intact |
| | | | | | no temp blk. |

**USEPA CLP COC (LAB COPY)**
DateShipped: 10/21/2024
CarrierName: FedEx
AirbillNo: 7793 0484 1991

**CHAIN OF CUSTODY RECORD**

Case #: 51817
Cooler #: EPA Cooler 02

**No: 9-101424-084320-0136**
Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed
Lab Phone: 908-728-3151

4

| Sample Identifier | CLP Sample No. | Matrix/Sampler | Coll. Method | Analysis/Turnaround (Days) | Tag/Preservative/Bottles | Location | Collection Date/Time | For Lab Use Only |
|---|---|---|---|---|---|---|---|---|
| 90028-I-00010-01 | MYE488 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7936 (None) (1) | 90028-I-00010 | 04/23/2024 16:34 | 19 |
| 90028-I-00010-02 | MYE489 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7937 (None) (1) | 90028-I-00010 | 04/23/2024 16:36 | 20 |
| 90028-I-00011-01 | MYE490 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7938 (None) (1) | 90028-I-00011 | 04/23/2024 16:32 | |
| 90028-I-00012-01 | MYE491 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7939 (None) (1) | 90028-I-00012 | 04/23/2024 16:22 | |
| 90028-I-S0001-01 | MYE492 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7940 (None) (1) | 90028-I-S0001 | 04/23/2024 16:08 | |
| 90028-I-S0002-01 | MYE493 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7941 (None) (1) | 90028-I-S0002 | 04/23/2024 16:16 | |
| 90028-J-00001-03 | MYE494 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7942 (None) (1) | 90028-J-00001 | 04/23/2024 15:08 | |
| 90028-J-00002-01 | MYE495 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7943 (None) (1) | 90028-J-00002 | 04/23/2024 15:00 | |
| 90028-J-00003-01 | MYE496 | Soil/ ERT | Grab | ICP-AES and ICP-MS(21) | 9-7944 (None) (1) | 90028-J-00003 | 04/23/2024 15:09 | |
| 90028-J-00005-01 | MYE497 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7945 (None) (1) | 90028-J-00005 | 04/23/2024 14:53 | |
| 90028-J-00006-01 | MYE498 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7946 (None) (1) | 90028-J-00006 | 04/23/2024 15:05 | |
| 90028-J-00007-01 | MYE499 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7947 (None) (1) | 90028-J-00007 | 04/23/2024 15:42 | |
| 90028-J-00008-01 | MYE4A0 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7948 (None) (1) | 90028-J-00008 | 04/23/2024 15:38 | |
| 90028-J-00009-01 | MYE4A1 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7949 (None) (1) | 90028-J-00009 | 04/23/2024 15:03 | |
| 90028-J-00010-01 | MYE4A2 | Soil/ ERT | Grab | ICP-AES and ICP-MS(21) | 9-7950 (None) (1) | 90028-J-00010 | 04/23/2024 15:40 | |
| 90028-J-00011-01 | MYE4A3 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7951 (None) (1) | 90028-J-00011 | 04/23/2024 15:37 | |
| 90028-J-S0001-01 | MYE4A4 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7952 (None) (1) | 90028-J-S0001 | 04/23/2024 15:46 | |
| 90028-J-S0002-01 | MYE4A5 | Soil/ REAC | null | ICP-AES and ICP-MS(21) | 9-7953 (None) (1) | 90028-J-S0002 | 04/23/2024 15:36 | |
| 90028-K-00001-01 | MYE4A6 | Soil/ REAC | Grab | ICP-AES and ICP-MS(21) | 9-7954 (None) (1) | 90028-K-00001 | 04/23/2024 14:46 | |

Sample(s) to be used for Lab QC: 90028-J-00001-03 Tag 9-7942 - Special Instructions: ICP-AES 11+Metals:Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn ICP-MS 11+ Metals: Ag, As, Ba,Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se,Tl, V, Zn 057869-70

**Shipment for Case Complete? N**

**Samples Transferred From Chain of Custody #**

Analysis Key: ICP-AES and ICP-MS=Metals ICP-AES and ICP-MS

| Items/Reason | Relinquished by (Signature and Organization) | Date/Time | Received by (Signature and Organization) | Date/Time | Sample Condition Upon Receipt |
|---|---|---|---|---|---|
| | Laura Wathen R9 ESAT | 10/18/24 15:58 | | 10-22-24 1003 | 18.3°C IR GUN #4 |
| | | | | | custody seal intact |
| | | | | | no Temp BLK. |

FORM DC-1

SAMPLE LOG-IN SHEET

| | | |
|---|---|---|
| Lab Name : Alliance Technical Group, LLC | | Page 1 of 1 |
| Received By (Print Name) George Meslow | | Log-in Date **10/22/2024** |
| Received By (Signature) | | |
| Case Number 51817 | SDG No. MYE470 | MA No. 3225.1,3226.1 |

| Remarks: | |
|---|---|
| 1. Custody Seal (s) | Present, Intact |
| 2. Custody Seal Nos. | 057949-50 |
| 3. Traffic Reports/Chain Of Custody Records | Present |
| 4. Airbill | Present |
| 5. Airbill No. and Shipping Container ID No. | 779304842737<br>1 |
| 6. Shipping Container Temperature Indicator Bottle | Absent |
| 7. Shipping Container Temperature | 17.9 Degree C |
| 8. Sample Condition | Intact |
| 9. Sample Tags Sample Tag Numbers | Absent<br>Listed on Traffic Report |
| 10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ? | Yes |
| 11. Date Received at Lab | 10/22/2024 |
| 12.Time Received | 10:03 |

| | EPA Sample # | Aqueous/ Water Sample pH | Corresponding Sample Tag # | Corresponding Assigned Lab # | Remarks: Condition of Sample Shipment, etc. |
|---|---|---|---|---|---|
| 1 | MYE470 | N/A | 9-7918 | P4479-01 | Intact |
| 2 | MYE471 | N/A | 9-7919 | P4479-02 | Intact |
| 3 | MYE472 | N/A | 9-7920 | P4479-03 | Intact |
| 4 | MYE473 | N/A | 9-7921 | P4479-04 | Intact |
| 5 | MYE474 | N/A | 9-7922 | P4479-05 | Intact |
| 6 | MYE475 | N/A | 9-7923 | P4479-06 | Intact |
| 7 | MYE476 | N/A | 9-7924 | P4479-07 | Intact |
| 8 | MYE477 | N/A | 9-7925 | P4479-08 | Intact |
| 9 | MYE478 | N/A | 9-7926 | P4479-09 | Intact |
| 10 | MYE479 | N/A | 9-7927 | P4479-10 | Intact |
| 11 | MYE480 | N/A | 9-7928 | P4479-11 | Intact |
| 12 | MYE481 | N/A | 9-7929 | P4479-12 | Intact |
| 13 | MYE481D | N/A | 9-7929 | P4479-13 | Intact |
| 14 | MYE481S | N/A | 9-7929 | P4479-14 | Intact |
| 15 | MYE482 | N/A | 9-7930 | P4479-15 | Intact |
| 16 | MYE483 | N/A | 9-7931 | P4479-16 | Intact |
| 17 | MYE484 | N/A | 9-7932 | P4479-17 | Intact |
| 18 | MYE485 | N/A | 9-7933 | P4479-18 | Intact |
| 19 | MYE486 | N/A | 9-7934 | P4479-19 | Intact |
| 20 | MYE487 | N/A | 9-7935 | P4479-20 | Intact |
| 21 | N/A | N/A | N/A | N/A | N/A |
| 22 | N/A | N/A | N/A | N/A | N/A |
| 23 | N/A | N/A | N/A | N/A | N/A |

* Contact SMO and attach record of resolution

| | | | |
|---|---|---|---|
| Reviewed By | | Logbook No. | N/A |
| Date | 10/22/24 | Logbook Page No. | N/A |

FORM DC-1

SAMPLE LOG-IN SHEET

| | | |
|---|---|---|
| Lab Name : Alliance Technical Group, LLC | | Page 2 of 2 |
| Received By (Print Name) Gordon Megson | | Log-in Date **10/22/2024** |
| Received By (Signature) | | |
| Case Number 51817 | SDG No. MYE470 | MA No. 3225.1,3226.1 |

| Remarks: | |
|---|---|
| 1. Custody Seal (s) | Present, Intact |
| 2. Custody Seal Nos. | 057869-90 |
| 3. Traffic Reports/Chain Of Custody Records | Present |
| 4. Airbill | Present |
| 5. Airbill No. and Shipping Container ID No. | 779304841991<br>2 |
| 6. Shipping Container Temperature Indicator Bottle | Absent |
| 7. Shipping Container Temperature | 18.3 Degree C |
| 8. Sample Condition | Intact |
| 9. Sample Tags Sample Tag Numbers | Absent<br>Listed on Traffic Report |
| 10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ? | Yes |
| 11. Date Received at Lab | 10/22/2024 |
| 12.Time Received | 10:03 |

| | EPA Sample # | Aqueous/ Water Sample pH | Corresponding | | Remarks: Condition of Sample Shipment, etc. |
|---|---|---|---|---|---|
| | | | Sample Tag # | Assigned Lab # | |
| 1 | MYE488 | N/A | 9-7936 | P4479-21 | Intact |
| 2 | MYE489 | N/A | 9-7937 | P4479-22 | Intact |
| 3 | N/A | N/A | N/A | N/A | N/A |
| 4 | N/A | N/A | N/A | N/A | N/A |
| 5 | N/A | N/A | N/A | N/A | N/A |
| 6 | N/A | N/A | N/A | N/A | N/A |
| 7 | N/A | N/A | N/A | N/A | N/A |
| 8 | N/A | N/A | N/A | N/A | N/A |
| 9 | N/A | N/A | N/A | N/A | N/A |
| 10 | N/A | N/A | N/A | N/A | N/A |
| 11 | N/A | N/A | N/A | N/A | N/A |
| 12 | N/A | N/A | N/A | N/A | N/A |
| 13 | N/A | N/A | N/A | N/A | N/A |
| 14 | N/A | N/A | N/A | N/A | N/A |
| 15 | N/A | N/A | N/A | N/A | N/A |
| 16 | N/A | N/A | N/A | N/A | N/A |
| 17 | N/A | N/A | N/A | N/A | N/A |
| 18 | N/A | N/A | N/A | N/A | N/A |
| 19 | N/A | N/A | N/A | N/A | N/A |
| 20 | N/A | N/A | N/A | N/A | N/A |
| 21 | N/A | N/A | N/A | N/A | N/A |
| 22 | N/A | N/A | N/A | N/A | N/A |
| 23 | N/A | N/A | N/A | N/A | N/A |

* Contact SMO and attach record of resolution

| | | | |
|---|---|---|---|
| Reviewed By | | Logbook No. | N/A |
| Date | 10/22/24 | Logbook Page No. | N/A |

FORM DC-2
COMPLETE SDG FILE (CSF) INVENTORY SHEET

| | | | |
|---|---|---|---|
| LAB NAME | **Alliance Technical Group, LLC** | | |
| LAB CODE | **ACE** | | |
| CONTRACT NO. | **68HERH20D0011** | | |
| CASE NO. | **51817** | SDG NO. | **MYE470** |
| MA NO. | **3225.1,3226.1** | SOW NO. | **SFAM01.1** |

All documents delivered in the Complete SDG File must be original documents where possible.
(Reference - Exhibit B Section 2.4)

| | PAGE NOs: FROM | PAGE NOs: TO | CHECK LAB | CHECK REGION |
|---|---|---|---|---|
| 1 . SDG Cover Page | 1 | 1 | ✓ | |
| 2 . Traffic Report/Chain of Custody Record(s) | 2 | 4 | ✓ | |
| 3 . Sample Log-In Sheet (DC-1) | 5 | 6 | ✓ | |
| 4 . CSF Inventory Sheet (DC-2) | 7 | 9 | ✓ | |
| 5 . SDG Narrative | 10 | 19 | ✓ | |
| 6 . Communication Logs | NA | NA | ✓ | |
| 7 . Percent Solids Log | 20 | 22 | ✓ | |
| **Analysis Forms and Data (ICP-AES)** | | | | |
| 8 . Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable | 23 | 42 | ✓ | |
| 9 . Instrument raw data by instrument in analysis order | 43 | 221 | ✓ | |
| **Other Data** | | | | |
| 10 . Standard and Reagent Preparation Logs | 222 | 371 | ✓ | |
| 11 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks | 372 | 373 | ✓ | |
| 12 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks | 374 | 377 | ✓ | |
| 13 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions | NA | NA | ✓ | |
| 14 . Extraction Logs for TCLP and SPLP | NA | NA | ✓ | |
| 15 . Raw GPC Data | NA | NA | ✓ | |
| 16 . Raw Florisil Data | NA | NA | ✓ | |
| **Analysis Forms and Data (ICP-MS)** | | | | |
| 17 . Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable | 378 | 397 | ✓ | |
| 18 . Instrument raw data by instrument in analysis order | 398 | 1258 | ✓ | |
| **Other Data** | | | | |
| 19 . Standard and Reagent Preparation Logs | 1259 | 1399 | ✓ | |
| 20 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks | 1400 | 1401 | ✓ | |
| 21 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks | 1402 | 1414 | ✓ | |
| 22 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions | NA | NA | ✓ | |

| | PAGE NOs: FROM | TO | CHECK LAB | REGION |
|---|---|---|---|---|
| 23. Extraction Logs for TCLP and SPLP | NA | NA | ✓ | |
| 24. Raw GPC Data | NA | NA | ✓ | |
| 25. Raw Florisil Data | NA | NA | ✓ | |
| **Analysis Forms and Data (Mercury)** | | | | |
| 26. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable | NA | NA | ✓ | |
| 27. Instrument raw data by instrument in analysis order | NA | NA | ✓ | |
| **Other Data** | | | | |
| 28. Standard and Reagent Preparation Logs | NA | NA | ✓ | |
| 29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks | NA | NA | ✓ | |
| 30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks | NA | NA | ✓ | |
| 31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions | NA | NA | ✓ | |
| 32. Extraction Logs for TCLP and SPLP | NA | NA | ✓ | |
| 33. Raw GPC Data | NA | NA | ✓ | |
| 34. Raw Florisil Data | NA | NA | ✓ | |
| **Analysis Forms and Data (Cyanide)** | | | | |
| 35. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable | NA | NA | ✓ | |
| 36. Instrument raw data by instrument in analysis order | NA | NA | ✓ | |
| **Other Data** | | | | |
| 37. Standard and Reagent Preparation Logs | NA | NA | ✓ | |
| 38. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks | NA | NA | ✓ | |
| 39. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks | NA | NA | ✓ | |
| 40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions | NA | NA | ✓ | |
| 41. Extraction Logs for TCLP and SPLP | NA | NA | ✓ | |
| 42. Raw GPC Data | NA | NA | ✓ | |
| 43. Raw Florisil Data | NA | NA | ✓ | |

| | PAGE NOs: FROM | TO | CHECK LAB | REGION |
|---|---|---|---|---|
| **Additional** | | | | |
| 44. EPA Shipping/Receiving Documents | | | | |
| Airbill (No. of Shipments 2 ) | 1415 | 1416 | ✓ | |
| Sample Tags | NA | NA | ✓ | |
| Sample Log-In Sheet (Lab) | 1417 | 1419 | ✓ | |
| 45. Misc. Shipping/Receiving Records (list all individual records) | | | | |
| | NA | NA | ✓ | |
| | | | | |
| | | | | |
| 46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list) | | | | |
| | 1420 | 1423 | ✓ | |
| | | | | |
| 47. Other Records and related Communication Logs (describe or list) | | | | |
| | NA | NA | ✓ | |
| | | | | |
| | | | | |

48. Comments:

Completed by:
(CLP Lab) _____ Nimisha Pandya, Document Control Officer _____
(Signature) (Print Name & Title) (Date)

Audited by:
(EPA) _____ _____ _____
(Signature) (Print Name & Title) (Date)

**284 Sheffield Street**
**Mountainside, NJ 07092**

**SDG NARRATIVE**

**USEPA**
**SDG # MYE470**
**CASE # 51817**
**CONTRACT # 68HERH20D0011**
**SOW# SFAM01.1**
**LAB NAME: Alliance Technical Group, LLC**
**LAB CODE: ACE**
**LAB ORDER ID # P4479**
**MODIFIED ANALYSIS #3225.1, 3226.1**

**A. Number of Samples and Date of Receipt**

20 Soil samples were delivered to the laboratory intact on 10/22/2024.

**B. Parameters**

Test requested for Metals CLP FULL = Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc.

Test requested for Metals CLP MS FULL = Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc.

**C. Cooler Temp**

Indicator Bottle**:** Presence**/Absence**

Cooler: 17.9$^{o}$C, 18.3$^{o}$C

**D. Detail Documentation (related to Sample Handling Shipping, Analytical Problem, Temp of Cooler etc):**

Issue 1 : A "P" or "M" prefix was listed at the beginning of a CLP sample ID.

**E. Corrective Action taken for above:**

Resolution 1 : To maintain COC integrity, ASB requests no changes to the Sample IDs. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

**F. Analytical Techniques:**

All analyses were based on CLP Methodology by method SFAM01.1.

Inter Element correction factors (IECs) are determined annually and correction factor are applied during ICP-AES analysis.

**G. Calculation:**

**Calculation for ICP-AES Soil Sample:**

Conversion of Results from mg/L or ppm to mg/kg (Dry Weight Basis):

$$\text{Concentration (mg/kg)} = C \times \frac{Vf}{W \times S} \times DF$$

Where,

C = Instrument value in ppm (The average of all replicate exposures)
Vf = Final digestion volume (mL)
W = Initial aliquot amount (g) (Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

**Example Calculation For Sample MYE470 For Antimony:**

If C = 0.0098683 ppm
Vf = 100 ml
W = 1.32g
S = 0.96(96.0/100)
DF = 2

$$\text{Concentration (mg/kg)} = 0.0098683 \times \frac{100}{1.32 \times 0.96} \times 2$$

$$= 1.557496 \text{ mg/kg}$$

= 1.6 mg/kg (Reported Result with Signification)

**Calculation for ICP-MS Soil Sample:**

Conversion of Results from µg /L or ppb to mg/kg :

$$\text{Concentration (mg/kg)} = C \times \frac{Vf}{W \times S} \times DF / 1000$$

Where,

C = Instrument value in ppb (The average of all replicate integrations)
Vf = Final digestion volume (mL)
W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

**Example Calculation For Sample MYE470 For Antimony :**

If C = 2.14 ppb
Vf = 500 ml
W = 1.32 g
S = 0.96(96.0/100)
DF = 1

$$\text{Concentration (mg/kg)} = 2.14 \times \frac{500}{1.32 \times 0.96} \times 1 / 1000$$

= 0.84438 mg/kg

= 0.84 mg/kg (Reported Result with Signification)

**H. QA/ QC**

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample (MYE481SRE) did meet requirements except for Silver. Duplicate sample did meet requirements. Serial Dilution did meet requirements except for Vanadium.

Chemical or physical interference effect was suspected and the data for all affected analytes in the sample received and associated with this serial dilution were flagged.

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.

Internal Standard Association for ICP-MS analysis.

| Target Analyte | Associated Internal Standard |
|---|---|
| Antimony | 159Tb |
| Arsenic | 89Y |
| Barium | 159Tb |
| Beryllium | 6Li |
| Cadmium | 159Tb |
| Chromium | 45Sc |

**284 Sheffield Street**
**Mountainside, NJ 07092**

| | |
|---|---|
| Cobalt | 45Sc |
| Copper | 45Sc |
| Lead | 209Bi |
| Nickel | 45Sc |
| Selenium | 89Y |
| Silver | 159Tb |
| Thallium | 209Bi |
| Vanadium | 45Sc |
| Zinc | 45Sc |

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 Director or his designee, as verified by the following signature.

Signature_____ Name: Nimisha Pandya

Date _____ Title: Document Control Officer

| **Date:** 09/04/2024 | **MA:** 3225.0 | **Title:** ICP-MS with Modified Preparation Method and Analysis of Soils with Additional Laboratory QC |
|---|---|---|
| **Method Source:** SFAM01.1 | **Method:** ICP-MS | |
| **Matrix:** Soil/Sediment | | |

**Summary of Modification**

The purpose of this modified analysis is to prepare samples by EPA Draft Method 3050C (see below) with additional modified LCS and Matrix Spikes and analyze for the scheduled target analytes by ICP-MS. Unless specifically modified by this modification, all analyses, Quality Control (QC), and reporting requirements specified in the SOW listed in your current EPA agreement remain unchanged and in full force and effect.

**I. Analyte Modifications** **Not applicable** ☒

**II. Calibration and QC Requirements** **Not applicable** ☐

The Laboratory shall:

- Use the Method Detection Limits (MDLs) determined for routine soil analyses (i.e., Method 200.8) to report the results for these analyses. The Laboratory is NOT required to perform an MDL study for Draft Method 3050C.
- Prepare and analyze an additional Laboratory Control Sample (LCS) spiked at the CRQL. Percent Recovery limits do NOT apply to this LCS and no corrective actions are required.
- Prepare a Matrix Spike spiked at three times the levels specified in the SOW.
- Prepare and analyze an additional Matrix Spike sample spiked at five times the levels specified for this Modified Analysis (i.e., 15x the levels specified in the SOW).
- Post-Digestion Spike requirements apply to the 5x Matrix Spike only.
- Post-Digestion Spike corrective actions apply to Sb.

**III. Preparation and Method Modifications** **Not applicable** ☐

The Laboratory shall:

- Prepare and analyze the sample by EPA Draft Method 3050C as follows:
  - Mix sample thoroughly and transfer 1.00 – 1.50 g to a digestion vessel.
  - Add 10 mL 1:1 $HNO_3$ and 5 mL 1:1 HCl, heat the sample at 95°C (±3°C) and reflux 10 -15 minutes.
  - Add 5 mL concentrated $HNO_3$ and reflux for 30 minutes at 95°C (±3°C), repeat until digestion complete.
  - Concentrate sample to 5 mL or reflux without boiling for 2 hours at 95°C (±3°C).
  - Cool sample, add 2mL water and 3 mL 30% $H_2O_2$. Heat at 95°C (±3°C) and add additional 1 mL aliquots of 30% $H_2O_2$ until effervescence is minimal.
  - Dilute to 100 mL with water, centrifuge or filter as necessary prior to analysis.
- The same sample extracts can be used for ICP-AES analysis. Separate Matrix Spikes and LCS will need to be prepared for both ICP-AES and ICP-MS analyses.
- Analyze the samples starting at an initial 5x dilution. Subsequently, dilute samples as necessary to bring the analyte concentrations within the calibration range of the instrument per the SOW.
- Method Blanks, both LCSs, and all instrument QC are to be analyzed undiluted.

| **IV. Special Reporting Requirements** | **Not applicable** ☐ |
|---|---|

The Laboratory shall:

- Ensure the SDG Narrative is updated as stated in the SOW, including any technical and administrative problems encountered and the resolution or corrective actions taken. These problems may include interference problems encountered during analysis, dilutions, re-analyses and/or re-preparations performed, and problems with the analysis of samples. Also include a discussion of any SOW Modified Analyses, including a copy of the approved modification form with the SDG Narrative.
- Initial analysis data are reported with a dilution factor of 1.0 and a final volume of 500 mL, per the SOW.
- Report the additional LCS as “LCSD” in the raw data and in the EDD with QCType “Laboratory_Control_Sample_Duplicate”.
- Report the additional Matrix Spike with an “SRE” suffix in the raw data and EDD.
- Report any Post-Digestion Spike of the additional 5x Matrix Spike with an “ARE” suffix.

| **Date:** 09/04/2024 | **MA:** 3226.0 | **Title:** ICP-AES with Modified Preparation Method and Analysis of Soils with Additional Laboratory QC |
|---|---|---|
| **Method Source:** SFAM01.1 | **Method:** ICP-AES | |
| **Matrix:** Soil/Sediment | | |

**Summary of Modification**

The purpose of this modified analysis is to prepare samples by EPA Draft Method 3050C (see below) with additional modified LCS and Matrix Spikes and analyze for the scheduled target analytes by ICP-AES. Unless specifically modified by this modification, all analyses, Quality Control (QC), and reporting requirements specified in the SOW listed in your current EPA agreement remain unchanged and in full force and effect.

**I. Analyte Modifications** **Not applicable** ☒

**II. Calibration and QC Requirements** **Not applicable** ☐

The Laboratory shall:

- Use the Method Detection Limits determined for routine soil analyses (i.e., Method 3050B) to report the results for these analyses. The Laboratory is NOT required to perform an MDL study for Draft Method 3050C.
- Prepare and analyze an additional Laboratory Control Sample (LCS) spiked at the CRQL. Percent Recovery limits do NOT apply to this LCS and no corrective actions are required.
- Prepare a Matrix Spike spiked at two times the levels specified in the SOW.
- Post-Digestion Spike requirements apply to the 2x Matrix Spike.
- Post-Digestion Spike corrective actions apply to Sb.

**III. Preparation and Method Modifications** **Not applicable** ☐

The Laboratory shall:

- Prepare and analyze the sample by EPA Draft Method 3050C as follows:
  - Mix sample thoroughly and transfer 1.00 – 1.50 g to a digestion vessel.
  - Add 10 mL 1:1 $HNO_3$ and 5 mL 1:1 HCl, heat the sample at 95°C (±3°C) and reflux 10 -15 minutes.
  - Add 5 mL concentrated $HNO_3$ and reflux for 30 minutes at 95°C (±3°C), repeat until digestion complete.
  - Concentrate sample to 5 mL or reflux without boiling for 2 hours at 95°C (±3°C).
  - Cool sample, add 2mL water and 3 mL 30% $H_2O_2$. Heat at 95°C (±3°C) and add additional 1 mL aliquots of 30% $H_2O_2$ until effervescence is minimal.
  - Dilute to 100 mL with water, centrifuge or filter as necessary prior to analysis.
- The same sample extracts can also be used for ICP-MS analysis. Separate Matrix Spikes and LCS will need to be prepared for both ICP-AES and ICP-MS analyses.
- Analyze the samples starting at an initial 2x dilution. Subsequently, dilute samples as necessary to bring the analyte concentrations within the calibration range of the instrument per the SOW.
- Verify that the dilution was adequate to reduce interferents to within the method calibration range. This can optionally be verified by visual verification of the spectrogram or by analysis of a serial dilution. There are other acceptable means to provide assurance, e.g. some software may automatically provide guidance to the analyst.
- Method Blanks, both LCS, and all instrument QC are to be analyzed undiluted.

**IV. Special Reporting Requirements** **Not applicable** ☐

The Laboratory shall:

- Ensure the SDG Narrative is updated as stated in the SOW, including any technical and administrative problems encountered and the resolution or corrective actions taken. These problems may include interference problems encountered during analysis, dilutions, re-analyses and/or re-preparations performed, and problems with the analysis of samples. Also include a discussion of any SOW Modified Analyses, including a copy of the approved modification form with the SDG Narrative.
- Initial analysis data are reported with a dilution factor of 2.0 and a final volume of 100 mL, per the SOW.
- Report the additional LCS as "LCSD" in the raw data and in the EDD with QCType "Laboratory_Control_Sample_Duplicate".
- Ensure that up-to-date Interelement Correction Factors (IECs) are provided with the data package.

| Element, Wavelength and Order | Use? | # IECs | IEC | k1 | k2 | Calc-in-fit? |
|---|---|---|---|---|---|---|
| As 189.042 {479} | ☒ | 1 | Fe | -0.000064 | 0.000000 | No |
| Tl 190.856 {477} | ☒ | 5 | Mo | -0.002450 | 0.000000 | No |
| | | | Co | 0.002248 | 0.000000 | No |
| | | | Ti | -0.000500 | 0.000000 | No |
| | | | Mn | 0.000370 | 0.000000 | No |
| | | | V | -0.012340 | 0.000000 | No |
| Pb 220.353 {453} | ☒ | 6 | Mo | -0.001480 | 0.000000 | No |
| | | | Al | -0.000075 | 0.000000 | No |
| | | | Cu | 0.001400 | 0.000000 | No |
| | | | Fe | 0.000030 | 0.000000 | No |
| | | | Mn | 0.000340 | 0.000000 | No |
| | | | Ni | 0.000630 | 0.000000 | No |
| Se 196.090 {472} | ☒ | 3 | Fe | -0.000308 | 0.000000 | No |
| | | | Mn | 0.000470 | 0.000000 | No |
| | | | Co | -0.000630 | 0.000000 | No |
| Sb 206.833 {463} | ☒ | 4 | Cr | 0.010700 | 0.000000 | No |
| | | | V | -0.001168 | 0.000000 | No |
| | | | Mo | -0.002850 | 0.000000 | No |
| | | | Ni | -0.000440 | 0.000000 | No |
| Al 396.152 { 85} | ☒ | 1 | Mo | 0.037230 | 0.000000 | No |
| Ba 493.409 { 68} | ☐ | None | | | | |
| Be 234.861 {144} | ☒ | 3 | Mo | -0.000320 | 0.000000 | No |
| | | | Fe | 0.000010 | 0.000000 | No |
| | | | Mn | -0.000047 | 0.000000 | No |
| Cd 214.438 {457} | ☒ | 1 | Fe | 0.000040 | 0.000000 | No |
| Ca 373.690 { 90} | ☐ | None | | | | |
| Cr 267.716 {126} | ☒ | 1 | Mn | 0.000160 | 0.000000 | No |
| Co 228.616 {448} | ☒ | 2 | Ti | 0.001840 | 0.000000 | No |
| | | | Mo | -0.001230 | 0.000000 | No |
| Cu 324.754 {104} | ☒ | 4 | Co | -0.000796 | 0.000000 | No |
| | | | Fe | -0.000100 | 0.000000 | No |
| | | | Mn | 0.000345 | 0.000000 | No |
| | | | Ni | 0.000895 | 0.000000 | No |
| Fe 259.837 {130} | ☐ | None | | | | |
| Mn 257.610 {131} | ☒ | 1 | Ni | 0.000897 | 0.000000 | No |
| Mg 279.079 {121} | ☐ | None | | | | |
| Ni 231.604 {446} | ☐ | None | | | | |
| Ag 328.068 {103} | ☒ | 3 | Fe | -0.000100 | 0.000000 | No |
| | | | Mn | 0.000146 | 0.000000 | No |
| | | | V | -0.000889 | 0.000000 | No |
| Na 818.326 { 41} | ☐ | None | | | | |
| V 292.402 {115} | ☒ | 2 | Mo | -0.008480 | 0.000000 | No |
| | | | Cr | -0.002220 | 0.000000 | No |
| Zn 206.200 {464} | ☐ | None | | | | |
| Zn 213.856 {158} | ☒ | 1 | Ni | 0.007280 | 0.000000 | No |
| K 769.896 { 44} | ☐ | None | | | | |
| P 177.495 {490} | ☒ | 2 | Ni | 0.001640 | 0.000000 | No |
| | | | Cu | -0.012530 | 0.000000 | No |
| B 249.678 {135} | ☒ | 3 | Co | 0.002880 | 0.000000 | No |
| | | | V | -0.002000 | 0.000000 | No |
| | | | Fe | -0.001360 | 0.000000 | No |
| Mo 202.030 {467} | ☐ | None | | | | |
| S 182.034 {485} | ☒ | 2 | Mo | -0.008000 | 0.000000 | No |
| | | | Mn | 0.002700 | 0.000000 | No |

| Element, Wavelength and Order | Use? | # IECs | IEC | k1 | k2 | Calc-in-fit? |
|---|---|---|---|---|---|---|
| Si 251.611 {134} | ☒ | 2 | Mo | 0.010520 | 0.000000 | No |
| | | | Ti | 0.005650 | 0.000000 | No |
| Sn 189.989 {478} | ☐ | None | | | | |
| Ti 336.121 {100} | ☒ | 1 | Ni | -0.001000 | 0.000000 | No |
| Li 670.784 { 50} | ☐ | None | | | | |
| Y 224.306 {450}* | ☐ | None | | | | |
| Y 360.073 { 94}* | ☐ | None | | | | |
| Y 371.030 { 91}* | ☐ | None | | | | |
| Y 224.306 {150}* | ☐ | None | | | | |
| In 230.606 {446}* | ☐ | None | | | | |
| Sr 407.771 { 83} | ☐ | None | | | | |

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 10/24/2024

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 12:30
**In Date:** 10/23/2024
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 07:37
**Out Date:** 10/24/2024
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB133066

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| P4479-01 | MYE470 | 1 | 1.15 | 8.53 | 9.68 | 9.34 | 96.0 | |
| P4479-02 | MYE471 | 2 | 1.15 | 8.52 | 9.67 | 9.29 | 95.5 | |
| P4479-03 | MYE472 | 3 | 1.15 | 8.50 | 9.65 | 9.18 | 94.5 | |
| P4479-04 | MYE473 | 4 | 1.17 | 8.53 | 9.7 | 9.37 | 96.1 | |
| P4479-05 | MYE474 | 5 | 1.17 | 8.62 | 9.79 | 9.39 | 95.4 | |
| P4479-06 | MYE475 | 6 | 1.16 | 8.47 | 9.63 | 9.08 | 93.5 | |
| P4479-07 | MYE476 | 7 | 1.17 | 8.56 | 9.73 | 9.33 | 95.3 | |
| P4479-08 | MYE477 | 8 | 1.17 | 8.48 | 9.65 | 9.33 | 96.2 | |
| P4479-09 | MYE478 | 9 | 1.16 | 8.40 | 9.56 | 9.24 | 96.2 | |
| P4479-10 | MYE479 | 10 | 1.17 | 8.53 | 9.7 | 9.33 | 95.7 | |
| P4479-11 | MYE480 | 11 | 1.18 | 8.57 | 9.75 | 9.44 | 96.4 | |
| P4479-12 | MYE481 | 12 | 1.17 | 8.49 | 9.66 | 9.26 | 95.3 | |
| P4479-13 | MYE481D | 13 | 1.17 | 8.49 | 9.66 | 9.26 | 95.3 | |
| P4479-14 | MYE481S | 14 | 1.17 | 8.49 | 9.66 | 9.26 | 95.3 | |
| P4479-15 | MYE482 | 15 | 1.15 | 8.65 | 9.8 | 9.65 | 98.3 | |
| P4479-16 | MYE483 | 16 | 1.15 | 8.66 | 9.81 | 9.57 | 97.2 | |
| P4479-17 | MYE484 | 17 | 1.14 | 8.65 | 9.79 | 9.43 | 95.8 | |
| P4479-18 | MYE485 | 18 | 1.16 | 8.61 | 9.77 | 9.55 | 97.4 | |
| P4479-19 | MYE486 | 19 | 1.16 | 8.60 | 9.76 | 9.16 | 93.0 | |
| P4479-20 | MYE487 | 20 | 1.17 | 8.73 | 9.9 | 9.53 | 95.8 | |
| P4479-21 | MYE488 | 21 | 1.16 | 8.62 | 9.78 | 9.36 | 95.1 | |
| P4479-22 | MYE489 | 22 | 1.17 | 8.73 | 9.9 | 9.5 | 95.4 | |

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain)

WM 133066

**WorkList Name :** %1-p4479 **WorkList ID :** 184691 **Department :** Wet-Chemistry **Date :** 10-23-2024 09:34:17

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P4479-01 | MYE470 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-02 | MYE471 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-03 | MYE472 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-04 | MYE473 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-05 | MYE474 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-06 | MYE475 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-07 | MYE476 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-08 | MYE477 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-09 | MYE478 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-10 | MYE479 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-11 | MYE480 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-12 | MYE481 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-13 | MYE481D | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-14 | MYE481S | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-15 | MYE482 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-16 | MYE483 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-17 | MYE484 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-18 | MYE485 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-19 | MYE486 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-20 | MYE487 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |
| P4479-21 | MYE488 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |

21

**Date/Time** 10/23/24 12:00

**Raw Sample Received by:** [illegible]

**Raw Sample Relinquished by:** [illegible]

**Date/Time** 10/23/24 12:35

**Raw Sample Received by:** [illegible]

**Raw Sample Relinquished by:** [illegible]

# WORKLIST(Hardcopy Internal Chain)

VBB3066

**WorkList Name :** %1-p4479 **WorkList ID :** 184691 **Department :** Wet-Chemistry **Date :** 10-23-2024 09:34:17

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P4479-22 | MYE489 | Solid | Percent Solids | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | Chemtech -SO |

22

**Date/Time** 10/23/24 12:00
**Raw Sample Received by:** JD WC1
**Raw Sample Relinquished by:** CR SM



**Date/Time** 10/23/24 12:35
**Raw Sample Received by:** CR SM
**Raw Sample Relinquished by:** JD WC1

EPA SAMPLE NO.

MYE470

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-01

% Solids: 96 Date Received: 10/22/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 17000 | D | 10/26/2024 | 2229 |
| 7440-36-0 | Antimony | 1.6 | JD | 10/26/2024 | 2229 |
| 7440-38-2 | Arsenic | 41 | D | 10/26/2024 | 2229 |
| 7440-39-3 | Barium | 180 | D | 10/26/2024 | 2229 |
| 7440-41-7 | Beryllium | 0.96 | D | 10/26/2024 | 2229 |
| 7440-43-9 | Cadmium | 0.63 | JD | 10/26/2024 | 2229 |
| 7440-70-2 | Calcium | 11000 | D | 10/26/2024 | 2229 |
| 7440-47-3 | Chromium | 37 | D | 10/26/2024 | 2229 |
| 7440-48-4 | Cobalt | 22 | D | 10/26/2024 | 2229 |
| 7440-50-8 | Copper | 100 | D | 10/26/2024 | 2229 |
| 7439-89-6 | Iron | 41000 | D | 10/26/2024 | 2229 |
| 7439-92-1 | Lead | 35 | D | 10/26/2024 | 2229 |
| 7439-95-4 | Magnesium | 8400 | D | 10/26/2024 | 2229 |
| 7439-96-5 | Manganese | 1000 | D | 10/26/2024 | 2229 |
| 7440-02-0 | Nickel | 40 | D | 10/26/2024 | 2229 |
| 7440-09-7 | Potassium | 3800 | D | 10/26/2024 | 2229 |
| 7782-49-2 | Selenium | 5.5 | UD | 10/26/2024 | 2229 |
| 7440-22-4 | Silver | 1.6 | UD | 10/26/2024 | 2229 |
| 7440-23-5 | Sodium | 210 | JD | 10/26/2024 | 2229 |
| 7440-28-0 | Thallium | 4.0 | UD | 10/26/2024 | 2229 |
| 7440-62-2 | Vanadium | 76 | D* | 10/26/2024 | 2229 |
| 7440-66-6 | Zinc | 90 | D | 10/26/2024 | 2229 |

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

Comments:

EPA SAMPLE NO.

MYE471

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-02

% Solids: 95.5 Date Received: 10/22/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 18000 | D | 10/26/2024 | 2233 |
| 7440-36-0 | Antimony | 0.96 | JD | 10/26/2024 | 2233 |
| 7440-38-2 | Arsenic | 24 | D | 10/26/2024 | 2233 |
| 7440-39-3 | Barium | 200 | D | 10/26/2024 | 2233 |
| 7440-41-7 | Beryllium | 0.91 | D | 10/26/2024 | 2233 |
| 7440-43-9 | Cadmium | 0.39 | JD | 10/26/2024 | 2233 |
| 7440-70-2 | Calcium | 6700 | D | 10/26/2024 | 2233 |
| 7440-47-3 | Chromium | 36 | D | 10/26/2024 | 2233 |
| 7440-48-4 | Cobalt | 20 | D | 10/26/2024 | 2233 |
| 7440-50-8 | Copper | 58 | D | 10/26/2024 | 2233 |
| 7439-89-6 | Iron | 35000 | D | 10/26/2024 | 2233 |
| 7439-92-1 | Lead | 21 | D | 10/26/2024 | 2233 |
| 7439-95-4 | Magnesium | 7700 | D | 10/26/2024 | 2233 |
| 7439-96-5 | Manganese | 970 | D | 10/26/2024 | 2233 |
| 7440-02-0 | Nickel | 35 | D | 10/26/2024 | 2233 |
| 7440-09-7 | Potassium | 4300 | D | 10/26/2024 | 2233 |
| 7782-49-2 | Selenium | 5.0 | UD | 10/26/2024 | 2233 |
| 7440-22-4 | Silver | 1.4 | UD | 10/26/2024 | 2233 |
| 7440-23-5 | Sodium | 170 | JD | 10/26/2024 | 2233 |
| 7440-28-0 | Thallium | 3.6 | UD | 10/26/2024 | 2233 |
| 7440-62-2 | Vanadium | 64 | D* | 10/26/2024 | 2233 |
| 7440-66-6 | Zinc | 73 | D | 10/26/2024 | 2233 |

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

Comments:

EPA SAMPLE NO.

MYE472

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-03

% Solids: 94.5 Date Received: 10/22/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 25000 | D | 10/26/2024 | 2238 |
| 7440-36-0 | Antimony | 1.8 | JD | 10/26/2024 | 2238 |
| 7440-38-2 | Arsenic | 61 | D | 10/26/2024 | 2238 |
| 7440-39-3 | Barium | 440 | D | 10/26/2024 | 2238 |
| 7440-41-7 | Beryllium | 1.2 | D | 10/26/2024 | 2238 |
| 7440-43-9 | Cadmium | 0.43 | JD | 10/26/2024 | 2238 |
| 7440-70-2 | Calcium | 17000 | D | 10/26/2024 | 2238 |
| 7440-47-3 | Chromium | 45 | D | 10/26/2024 | 2238 |
| 7440-48-4 | Cobalt | 25 | D | 10/26/2024 | 2238 |
| 7440-50-8 | Copper | 67 | D | 10/26/2024 | 2238 |
| 7439-89-6 | Iron | 48000 | D | 10/26/2024 | 2238 |
| 7439-92-1 | Lead | 26 | D | 10/26/2024 | 2238 |
| 7439-95-4 | Magnesium | 12000 | D | 10/26/2024 | 2238 |
| 7439-96-5 | Manganese | 1200 | D | 10/26/2024 | 2238 |
| 7440-02-0 | Nickel | 59 | D | 10/26/2024 | 2238 |
| 7440-09-7 | Potassium | 4400 | D | 10/26/2024 | 2238 |
| 7782-49-2 | Selenium | 6.1 | UD | 10/26/2024 | 2238 |
| 7440-22-4 | Silver | 1.8 | UD | 10/26/2024 | 2238 |
| 7440-23-5 | Sodium | 230 | JD | 10/26/2024 | 2238 |
| 7440-28-0 | Thallium | 4.4 | UD | 10/26/2024 | 2238 |
| 7440-62-2 | Vanadium | 92 | D* | 10/26/2024 | 2238 |
| 7440-66-6 | Zinc | 79 | D | 10/26/2024 | 2238 |

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

Comments:

EPA SAMPLE NO.

MYE473

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-04

% Solids: 96.1 Date Received: 10/22/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 20000 | D | 10/26/2024 | 2242 |
| 7440-36-0 | Antimony | 1.4 | JD | 10/26/2024 | 2242 |
| 7440-38-2 | Arsenic | 43 | D | 10/26/2024 | 2242 |
| 7440-39-3 | Barium | 210 | D | 10/26/2024 | 2242 |
| 7440-41-7 | Beryllium | 1.0 | D | 10/26/2024 | 2242 |
| 7440-43-9 | Cadmium | 1.0 | D | 10/26/2024 | 2242 |
| 7440-70-2 | Calcium | 11000 | D | 10/26/2024 | 2242 |
| 7440-47-3 | Chromium | 40 | D | 10/26/2024 | 2242 |
| 7440-48-4 | Cobalt | 22 | D | 10/26/2024 | 2242 |
| 7440-50-8 | Copper | 140 | D | 10/26/2024 | 2242 |
| 7439-89-6 | Iron | 41000 | D | 10/26/2024 | 2242 |
| 7439-92-1 | Lead | 45 | D | 10/26/2024 | 2242 |
| 7439-95-4 | Magnesium | 8800 | D | 10/26/2024 | 2242 |
| 7439-96-5 | Manganese | 980 | D | 10/26/2024 | 2242 |
| 7440-02-0 | Nickel | 42 | D | 10/26/2024 | 2242 |
| 7440-09-7 | Potassium | 5400 | D | 10/26/2024 | 2242 |
| 7782-49-2 | Selenium | 6.2 | UD | 10/26/2024 | 2242 |
| 7440-22-4 | Silver | 1.8 | UD | 10/26/2024 | 2242 |
| 7440-23-5 | Sodium | 200 | JD | 10/26/2024 | 2242 |
| 7440-28-0 | Thallium | 4.4 | UD | 10/26/2024 | 2242 |
| 7440-62-2 | Vanadium | 77 | D* | 10/26/2024 | 2242 |
| 7440-66-6 | Zinc | 110 | D | 10/26/2024 | 2242 |

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

Comments:

EPA SAMPLE NO.

MYE474

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-05

% Solids: 95.4 Date Received: 10/22/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 20000 | D | 10/26/2024 | 2247 |
| 7440-36-0 | Antimony | 1.4 | JD | 10/26/2024 | 2247 |
| 7440-38-2 | Arsenic | 38 | D | 10/26/2024 | 2247 |
| 7440-39-3 | Barium | 210 | D | 10/26/2024 | 2247 |
| 7440-41-7 | Beryllium | 1.0 | D | 10/26/2024 | 2247 |
| 7440-43-9 | Cadmium | 0.68 | JD | 10/26/2024 | 2247 |
| 7440-70-2 | Calcium | 7700 | D | 10/26/2024 | 2247 |
| 7440-47-3 | Chromium | 41 | D | 10/26/2024 | 2247 |
| 7440-48-4 | Cobalt | 22 | D | 10/26/2024 | 2247 |
| 7440-50-8 | Copper | 110 | D | 10/26/2024 | 2247 |
| 7439-89-6 | Iron | 42000 | D | 10/26/2024 | 2247 |
| 7439-92-1 | Lead | 35 | D | 10/26/2024 | 2247 |
| 7439-95-4 | Magnesium | 9200 | D | 10/26/2024 | 2247 |
| 7439-96-5 | Manganese | 1100 | D | 10/26/2024 | 2247 |
| 7440-02-0 | Nickel | 41 | D | 10/26/2024 | 2247 |
| 7440-09-7 | Potassium | 4600 | D | 10/26/2024 | 2247 |
| 7782-49-2 | Selenium | 6.3 | UD | 10/26/2024 | 2247 |
| 7440-22-4 | Silver | 1.8 | UD | 10/26/2024 | 2247 |
| 7440-23-5 | Sodium | 190 | JD | 10/26/2024 | 2247 |
| 7440-28-0 | Thallium | 4.5 | UD | 10/26/2024 | 2247 |
| 7440-62-2 | Vanadium | 77 | D* | 10/26/2024 | 2247 |
| 7440-66-6 | Zinc | 97 | D | 10/26/2024 | 2247 |

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

Comments:

EPA SAMPLE NO.

MYE475

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-06

% Solids: 93.5 Date Received: 10/22/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 23000 | D | 10/26/2024 | 2251 |
| 7440-36-0 | Antimony | 1.4 | JD | 10/26/2024 | 2251 |
| 7440-38-2 | Arsenic | 34 | D | 10/26/2024 | 2251 |
| 7440-39-3 | Barium | 240 | D | 10/26/2024 | 2251 |
| 7440-41-7 | Beryllium | 1.1 | D | 10/26/2024 | 2251 |
| 7440-43-9 | Cadmium | 0.40 | JD | 10/26/2024 | 2251 |
| 7440-70-2 | Calcium | 8600 | D | 10/26/2024 | 2251 |
| 7440-47-3 | Chromium | 44 | D | 10/26/2024 | 2251 |
| 7440-48-4 | Cobalt | 23 | D | 10/26/2024 | 2251 |
| 7440-50-8 | Copper | 83 | D | 10/26/2024 | 2251 |
| 7439-89-6 | Iron | 42000 | D | 10/26/2024 | 2251 |
| 7439-92-1 | Lead | 29 | D | 10/26/2024 | 2251 |
| 7439-95-4 | Magnesium | 9300 | D | 10/26/2024 | 2251 |
| 7439-96-5 | Manganese | 1300 | D | 10/26/2024 | 2251 |
| 7440-02-0 | Nickel | 43 | D | 10/26/2024 | 2251 |
| 7440-09-7 | Potassium | 5300 | D | 10/26/2024 | 2251 |
| 7782-49-2 | Selenium | 6.9 | UD | 10/26/2024 | 2251 |
| 7440-22-4 | Silver | 2.0 | UD | 10/26/2024 | 2251 |
| 7440-23-5 | Sodium | 990 | UD | 10/26/2024 | 2251 |
| 7440-28-0 | Thallium | 5.0 | UD | 10/26/2024 | 2251 |
| 7440-62-2 | Vanadium | 76 | D* | 10/26/2024 | 2251 |
| 7440-66-6 | Zinc | 92 | D | 10/26/2024 | 2251 |

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

Comments:

EPA SAMPLE NO.

MYE476

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-07

% Solids: 95.3 Date Received: 10/22/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 21000 | D | 10/26/2024 | 2255 |
| 7440-36-0 | Antimony | 1.2 | JD | 10/26/2024 | 2255 |
| 7440-38-2 | Arsenic | 32 | D | 10/26/2024 | 2255 |
| 7440-39-3 | Barium | 210 | D | 10/26/2024 | 2255 |
| 7440-41-7 | Beryllium | 1.0 | D | 10/26/2024 | 2255 |
| 7440-43-9 | Cadmium | 0.61 | JD | 10/26/2024 | 2255 |
| 7440-70-2 | Calcium | 8200 | D | 10/26/2024 | 2255 |
| 7440-47-3 | Chromium | 39 | D | 10/26/2024 | 2255 |
| 7440-48-4 | Cobalt | 22 | D | 10/26/2024 | 2255 |
| 7440-50-8 | Copper | 86 | D | 10/26/2024 | 2255 |
| 7439-89-6 | Iron | 39000 | D | 10/26/2024 | 2255 |
| 7439-92-1 | Lead | 28 | D | 10/26/2024 | 2255 |
| 7439-95-4 | Magnesium | 8500 | D | 10/26/2024 | 2255 |
| 7439-96-5 | Manganese | 1100 | D | 10/26/2024 | 2255 |
| 7440-02-0 | Nickel | 39 | D | 10/26/2024 | 2255 |
| 7440-09-7 | Potassium | 4800 | D | 10/26/2024 | 2255 |
| 7782-49-2 | Selenium | 5.1 | UD | 10/26/2024 | 2255 |
| 7440-22-4 | Silver | 1.5 | UD | 10/26/2024 | 2255 |
| 7440-23-5 | Sodium | 210 | JD | 10/26/2024 | 2255 |
| 7440-28-0 | Thallium | 3.7 | UD | 10/26/2024 | 2255 |
| 7440-62-2 | Vanadium | 70 | D* | 10/26/2024 | 2255 |
| 7440-66-6 | Zinc | 88 | D | 10/26/2024 | 2255 |

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

Comments:

EPA SAMPLE NO.

MYE477

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-08

% Solids: 96.2 Date Received: 10/22/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 19000 | D | 10/26/2024 | 2300 |
| 7440-36-0 | Antimony | 1.2 | JD | 10/26/2024 | 2300 |
| 7440-38-2 | Arsenic | 44 | D | 10/26/2024 | 2300 |
| 7440-39-3 | Barium | 200 | D | 10/26/2024 | 2300 |
| 7440-41-7 | Beryllium | 0.96 | D | 10/26/2024 | 2300 |
| 7440-43-9 | Cadmium | 1.2 | D | 10/26/2024 | 2300 |
| 7440-70-2 | Calcium | 12000 | D | 10/26/2024 | 2300 |
| 7440-47-3 | Chromium | 38 | D | 10/26/2024 | 2300 |
| 7440-48-4 | Cobalt | 21 | D | 10/26/2024 | 2300 |
| 7440-50-8 | Copper | 160 | D | 10/26/2024 | 2300 |
| 7439-89-6 | Iron | 37000 | D | 10/26/2024 | 2300 |
| 7439-92-1 | Lead | 50 | D | 10/26/2024 | 2300 |
| 7439-95-4 | Magnesium | 8100 | D | 10/26/2024 | 2300 |
| 7439-96-5 | Manganese | 960 | D | 10/26/2024 | 2300 |
| 7440-02-0 | Nickel | 40 | D | 10/26/2024 | 2300 |
| 7440-09-7 | Potassium | 5100 | D | 10/26/2024 | 2300 |
| 7782-49-2 | Selenium | 5.9 | UD | 10/26/2024 | 2300 |
| 7440-22-4 | Silver | 1.7 | UD | 10/26/2024 | 2300 |
| 7440-23-5 | Sodium | 840 | UD | 10/26/2024 | 2300 |
| 7440-28-0 | Thallium | 4.2 | UD | 10/26/2024 | 2300 |
| 7440-62-2 | Vanadium | 68 | D* | 10/26/2024 | 2300 |
| 7440-66-6 | Zinc | 120 | D | 10/26/2024 | 2300 |

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

Comments:

EPA SAMPLE NO.

MYE478

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-09

% Solids: 96.2 Date Received: 10/22/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 20000 | D | 10/26/2024 | 2304 |
| 7440-36-0 | Antimony | 1.3 | JD | 10/26/2024 | 2304 |
| 7440-38-2 | Arsenic | 49 | D | 10/26/2024 | 2304 |
| 7440-39-3 | Barium | 230 | D | 10/26/2024 | 2304 |
| 7440-41-7 | Beryllium | 1.0 | D | 10/26/2024 | 2304 |
| 7440-43-9 | Cadmium | 1.3 | D | 10/26/2024 | 2304 |
| 7440-70-2 | Calcium | 18000 | D | 10/26/2024 | 2304 |
| 7440-47-3 | Chromium | 38 | D | 10/26/2024 | 2304 |
| 7440-48-4 | Cobalt | 23 | D | 10/26/2024 | 2304 |
| 7440-50-8 | Copper | 170 | D | 10/26/2024 | 2304 |
| 7439-89-6 | Iron | 40000 | D | 10/26/2024 | 2304 |
| 7439-92-1 | Lead | 52 | D | 10/26/2024 | 2304 |
| 7439-95-4 | Magnesium | 9000 | D | 10/26/2024 | 2304 |
| 7439-96-5 | Manganese | 1200 | D | 10/26/2024 | 2304 |
| 7440-02-0 | Nickel | 45 | D | 10/26/2024 | 2304 |
| 7440-09-7 | Potassium | 5300 | D | 10/26/2024 | 2304 |
| 7782-49-2 | Selenium | 5.8 | UD | 10/26/2024 | 2304 |
| 7440-22-4 | Silver | 1.7 | UD | 10/26/2024 | 2304 |
| 7440-23-5 | Sodium | 190 | JD | 10/26/2024 | 2304 |
| 7440-28-0 | Thallium | 4.1 | UD | 10/26/2024 | 2304 |
| 7440-62-2 | Vanadium | 73 | D* | 10/26/2024 | 2304 |
| 7440-66-6 | Zinc | 120 | D | 10/26/2024 | 2304 |

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

Comments:

EPA SAMPLE NO.

MYE479

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-10

% Solids: 95.7 Date Received: 10/22/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 17000 | D | 10/26/2024 | 2309 |
| 7440-36-0 | Antimony | 1.0 | JD | 10/26/2024 | 2309 |
| 7440-38-2 | Arsenic | 28 | D | 10/26/2024 | 2309 |
| 7440-39-3 | Barium | 220 | D | 10/26/2024 | 2309 |
| 7440-41-7 | Beryllium | 0.78 | JD | 10/26/2024 | 2309 |
| 7440-43-9 | Cadmium | 0.15 | JD | 10/26/2024 | 2309 |
| 7440-70-2 | Calcium | 20000 | D | 10/26/2024 | 2309 |
| 7440-47-3 | Chromium | 33 | D | 10/26/2024 | 2309 |
| 7440-48-4 | Cobalt | 18 | D | 10/26/2024 | 2309 |
| 7440-50-8 | Copper | 48 | D | 10/26/2024 | 2309 |
| 7439-89-6 | Iron | 35000 | D | 10/26/2024 | 2309 |
| 7439-92-1 | Lead | 17 | D | 10/26/2024 | 2309 |
| 7439-95-4 | Magnesium | 9800 | D | 10/26/2024 | 2309 |
| 7439-96-5 | Manganese | 720 | D | 10/26/2024 | 2309 |
| 7440-02-0 | Nickel | 39 | D | 10/26/2024 | 2309 |
| 7440-09-7 | Potassium | 2300 | D | 10/26/2024 | 2309 |
| 7782-49-2 | Selenium | 5.6 | UD | 10/26/2024 | 2309 |
| 7440-22-4 | Silver | 1.6 | UD | 10/26/2024 | 2309 |
| 7440-23-5 | Sodium | 410 | JD | 10/26/2024 | 2309 |
| 7440-28-0 | Thallium | 4.0 | UD | 10/26/2024 | 2309 |
| 7440-62-2 | Vanadium | 71 | D* | 10/26/2024 | 2309 |
| 7440-66-6 | Zinc | 59 | D | 10/26/2024 | 2309 |

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

Comments:

EPA SAMPLE NO.

MYE480

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-11

% Solids: 96.4 Date Received: 10/22/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 21000 | D | 10/26/2024 | 2313 |
| 7440-36-0 | Antimony | 1.6 | JD | 10/26/2024 | 2313 |
| 7440-38-2 | Arsenic | 34 | D | 10/26/2024 | 2313 |
| 7440-39-3 | Barium | 230 | D | 10/26/2024 | 2313 |
| 7440-41-7 | Beryllium | 1.0 | D | 10/26/2024 | 2313 |
| 7440-43-9 | Cadmium | 0.33 | JD | 10/26/2024 | 2313 |
| 7440-70-2 | Calcium | 9200 | D | 10/26/2024 | 2313 |
| 7440-47-3 | Chromium | 39 | D | 10/26/2024 | 2313 |
| 7440-48-4 | Cobalt | 21 | D | 10/26/2024 | 2313 |
| 7440-50-8 | Copper | 71 | D | 10/26/2024 | 2313 |
| 7439-89-6 | Iron | 39000 | D | 10/26/2024 | 2313 |
| 7439-92-1 | Lead | 28 | D | 10/26/2024 | 2313 |
| 7439-95-4 | Magnesium | 8600 | D | 10/26/2024 | 2313 |
| 7439-96-5 | Manganese | 1200 | D | 10/26/2024 | 2313 |
| 7440-02-0 | Nickel | 41 | D | 10/26/2024 | 2313 |
| 7440-09-7 | Potassium | 4100 | D | 10/26/2024 | 2313 |
| 7782-49-2 | Selenium | 6.4 | UD | 10/26/2024 | 2313 |
| 7440-22-4 | Silver | 1.8 | UD | 10/26/2024 | 2313 |
| 7440-23-5 | Sodium | 180 | JD | 10/26/2024 | 2313 |
| 7440-28-0 | Thallium | 4.6 | UD | 10/26/2024 | 2313 |
| 7440-62-2 | Vanadium | 72 | D* | 10/26/2024 | 2313 |
| 7440-66-6 | Zinc | 81 | D | 10/26/2024 | 2313 |

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

Comments:

EPA SAMPLE NO.

MYE481

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-12

% Solids: 95.3 Date Received: 10/22/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 22000 | D | 10/26/2024 | 2318 |
| 7440-36-0 | Antimony | 1.8 | JD | 10/26/2024 | 2318 |
| 7440-38-2 | Arsenic | 52 | D | 10/26/2024 | 2318 |
| 7440-39-3 | Barium | 250 | D | 10/26/2024 | 2318 |
| 7440-41-7 | Beryllium | 1.1 | D | 10/26/2024 | 2318 |
| 7440-43-9 | Cadmium | 0.92 | D | 10/26/2024 | 2318 |
| 7440-70-2 | Calcium | 9900 | D | 10/26/2024 | 2318 |
| 7440-47-3 | Chromium | 45 | D | 10/26/2024 | 2318 |
| 7440-48-4 | Cobalt | 25 | D | 10/26/2024 | 2318 |
| 7440-50-8 | Copper | 130 | D | 10/26/2024 | 2318 |
| 7439-89-6 | Iron | 43000 | D | 10/26/2024 | 2318 |
| 7439-92-1 | Lead | 44 | D | 10/26/2024 | 2318 |
| 7439-95-4 | Magnesium | 9500 | D | 10/26/2024 | 2318 |
| 7439-96-5 | Manganese | 1400 | D | 10/26/2024 | 2318 |
| 7440-02-0 | Nickel | 47 | D | 10/26/2024 | 2318 |
| 7440-09-7 | Potassium | 4500 | D | 10/26/2024 | 2318 |
| 7782-49-2 | Selenium | 6.2 | UD | 10/26/2024 | 2318 |
| 7440-22-4 | Silver | 1.8 | UD | 10/26/2024 | 2318 |
| 7440-23-5 | Sodium | 880 | UD | 10/26/2024 | 2318 |
| 7440-28-0 | Thallium | 4.4 | UD | 10/26/2024 | 2318 |
| 7440-62-2 | Vanadium | 80 | D* | 10/26/2024 | 2318 |
| 7440-66-6 | Zinc | 100 | D | 10/26/2024 | 2318 |

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

Comments:

EPA SAMPLE NO.

MYE482

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-15

% Solids: 98.3 Date Received: 10/22/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 10000 | D | 10/26/2024 | 2344 |
| 7440-36-0 | Antimony | 10 | UD | 10/26/2024 | 2344 |
| 7440-38-2 | Arsenic | 19 | D | 10/26/2024 | 2344 |
| 7440-39-3 | Barium | 180 | D | 10/26/2024 | 2344 |
| 7440-41-7 | Beryllium | 0.62 | JD | 10/26/2024 | 2344 |
| 7440-43-9 | Cadmium | 0.30 | JD | 10/26/2024 | 2344 |
| 7440-70-2 | Calcium | 14000 | D | 10/26/2024 | 2344 |
| 7440-47-3 | Chromium | 25 | D | 10/26/2024 | 2344 |
| 7440-48-4 | Cobalt | 13 | D | 10/26/2024 | 2344 |
| 7440-50-8 | Copper | 36 | D | 10/26/2024 | 2344 |
| 7439-89-6 | Iron | 28000 | D | 10/26/2024 | 2344 |
| 7439-92-1 | Lead | 18 | D | 10/26/2024 | 2344 |
| 7439-95-4 | Magnesium | 5400 | D | 10/26/2024 | 2344 |
| 7439-96-5 | Manganese | 1200 | D | 10/26/2024 | 2344 |
| 7440-02-0 | Nickel | 38 | D | 10/26/2024 | 2344 |
| 7440-09-7 | Potassium | 2100 | D | 10/26/2024 | 2344 |
| 7782-49-2 | Selenium | 6.1 | UD | 10/26/2024 | 2344 |
| 7440-22-4 | Silver | 1.7 | UD | 10/26/2024 | 2344 |
| 7440-23-5 | Sodium | 260 | JD | 10/26/2024 | 2344 |
| 7440-28-0 | Thallium | 4.4 | UD | 10/26/2024 | 2344 |
| 7440-62-2 | Vanadium | 53 | D* | 10/26/2024 | 2344 |
| 7440-66-6 | Zinc | 69 | D | 10/26/2024 | 2344 |

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

Comments:

EPA SAMPLE NO.

MYE483

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-16

% Solids: 97.2 Date Received: 10/22/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 17000 | D | 10/26/2024 | 2348 |
| 7440-36-0 | Antimony | 2.0 | JD | 10/26/2024 | 2348 |
| 7440-38-2 | Arsenic | 76 | D | 10/26/2024 | 2348 |
| 7440-39-3 | Barium | 380 | D | 10/26/2024 | 2348 |
| 7440-41-7 | Beryllium | 1.0 | D | 10/26/2024 | 2348 |
| 7440-43-9 | Cadmium | 0.86 | D | 10/26/2024 | 2348 |
| 7440-70-2 | Calcium | 10000 | D | 10/26/2024 | 2348 |
| 7440-47-3 | Chromium | 37 | D | 10/26/2024 | 2348 |
| 7440-48-4 | Cobalt | 26 | D | 10/26/2024 | 2348 |
| 7440-50-8 | Copper | 110 | D | 10/26/2024 | 2348 |
| 7439-89-6 | Iron | 54000 | D | 10/26/2024 | 2348 |
| 7439-92-1 | Lead | 47 | D | 10/26/2024 | 2348 |
| 7439-95-4 | Magnesium | 9100 | D | 10/26/2024 | 2348 |
| 7439-96-5 | Manganese | 2600 | D | 10/26/2024 | 2348 |
| 7440-02-0 | Nickel | 43 | D | 10/26/2024 | 2348 |
| 7440-09-7 | Potassium | 2900 | D | 10/26/2024 | 2348 |
| 7782-49-2 | Selenium | 5.2 | UD | 10/26/2024 | 2348 |
| 7440-22-4 | Silver | 1.5 | UD | 10/26/2024 | 2348 |
| 7440-23-5 | Sodium | 200 | JD | 10/26/2024 | 2348 |
| 7440-28-0 | Thallium | 3.7 | UD | 10/26/2024 | 2348 |
| 7440-62-2 | Vanadium | 96 | D* | 10/26/2024 | 2348 |
| 7440-66-6 | Zinc | 100 | D | 10/26/2024 | 2348 |

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

Comments:

EPA SAMPLE NO.

MYE484

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-17

% Solids: 95.8 Date Received: 10/22/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 24000 | D | 10/26/2024 | 2353 |
| 7440-36-0 | Antimony | 1.6 | JD | 10/26/2024 | 2353 |
| 7440-38-2 | Arsenic | 20 | D | 10/26/2024 | 2353 |
| 7440-39-3 | Barium | 120 | D | 10/26/2024 | 2353 |
| 7440-41-7 | Beryllium | 0.74 | JD | 10/26/2024 | 2353 |
| 7440-43-9 | Cadmium | 0.18 | JD | 10/26/2024 | 2353 |
| 7440-70-2 | Calcium | 19000 | D | 10/26/2024 | 2353 |
| 7440-47-3 | Chromium | 100 | D | 10/26/2024 | 2353 |
| 7440-48-4 | Cobalt | 51 | D | 10/26/2024 | 2353 |
| 7440-50-8 | Copper | 130 | D | 10/26/2024 | 2353 |
| 7439-89-6 | Iron | 50000 | D | 10/26/2024 | 2353 |
| 7439-92-1 | Lead | 15 | D | 10/26/2024 | 2353 |
| 7439-95-4 | Magnesium | 18000 | D | 10/26/2024 | 2353 |
| 7439-96-5 | Manganese | 1100 | D | 10/26/2024 | 2353 |
| 7440-02-0 | Nickel | 90 | D | 10/26/2024 | 2353 |
| 7440-09-7 | Potassium | 1200 | D | 10/26/2024 | 2353 |
| 7782-49-2 | Selenium | 5.7 | UD | 10/26/2024 | 2353 |
| 7440-22-4 | Silver | 1.6 | UD | 10/26/2024 | 2353 |
| 7440-23-5 | Sodium | 460 | JD | 10/26/2024 | 2353 |
| 7440-28-0 | Thallium | 4.1 | UD | 10/26/2024 | 2353 |
| 7440-62-2 | Vanadium | 110 | D* | 10/26/2024 | 2353 |
| 7440-66-6 | Zinc | 59 | D | 10/26/2024 | 2353 |

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

Comments:

EPA SAMPLE NO.

MYE485

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-18

% Solids: 97.4 Date Received: 10/22/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 16000 | D | 10/26/2024 | 2357 |
| 7440-36-0 | Antimony | 1.5 | JD | 10/26/2024 | 2357 |
| 7440-38-2 | Arsenic | 45 | D | 10/26/2024 | 2357 |
| 7440-39-3 | Barium | 270 | D | 10/26/2024 | 2357 |
| 7440-41-7 | Beryllium | 0.77 | JD | 10/26/2024 | 2357 |
| 7440-43-9 | Cadmium | 0.30 | JD | 10/26/2024 | 2357 |
| 7440-70-2 | Calcium | 38000 | D | 10/26/2024 | 2357 |
| 7440-47-3 | Chromium | 42 | D | 10/26/2024 | 2357 |
| 7440-48-4 | Cobalt | 19 | D | 10/26/2024 | 2357 |
| 7440-50-8 | Copper | 46 | D | 10/26/2024 | 2357 |
| 7439-89-6 | Iron | 37000 | D | 10/26/2024 | 2357 |
| 7439-92-1 | Lead | 16 | D | 10/26/2024 | 2357 |
| 7439-95-4 | Magnesium | 16000 | D | 10/26/2024 | 2357 |
| 7439-96-5 | Manganese | 800 | D | 10/26/2024 | 2357 |
| 7440-02-0 | Nickel | 53 | D | 10/26/2024 | 2357 |
| 7440-09-7 | Potassium | 1800 | D | 10/26/2024 | 2357 |
| 7782-49-2 | Selenium | 5.8 | UD | 10/26/2024 | 2357 |
| 7440-22-4 | Silver | 1.7 | UD | 10/26/2024 | 2357 |
| 7440-23-5 | Sodium | 440 | JD | 10/26/2024 | 2357 |
| 7440-28-0 | Thallium | 4.2 | UD | 10/26/2024 | 2357 |
| 7440-62-2 | Vanadium | 74 | D* | 10/26/2024 | 2357 |
| 7440-66-6 | Zinc | 62 | D | 10/26/2024 | 2357 |

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

Comments:

EPA SAMPLE NO.

MYE486

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-19

% Solids: 93 Date Received: 10/22/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 19000 | D | 10/27/2024 | 0002 |
| 7440-36-0 | Antimony | 1.7 | JD | 10/27/2024 | 0002 |
| 7440-38-2 | Arsenic | 42 | D | 10/27/2024 | 0002 |
| 7440-39-3 | Barium | 230 | D | 10/27/2024 | 0002 |
| 7440-41-7 | Beryllium | 1.2 | D | 10/27/2024 | 0002 |
| 7440-43-9 | Cadmium | 0.47 | JD | 10/27/2024 | 0002 |
| 7440-70-2 | Calcium | 20000 | D | 10/27/2024 | 0002 |
| 7440-47-3 | Chromium | 38 | D | 10/27/2024 | 0002 |
| 7440-48-4 | Cobalt | 22 | D | 10/27/2024 | 0002 |
| 7440-50-8 | Copper | 60 | D | 10/27/2024 | 0002 |
| 7439-89-6 | Iron | 53000 | D | 10/27/2024 | 0002 |
| 7439-92-1 | Lead | 30 | D | 10/27/2024 | 0002 |
| 7439-95-4 | Magnesium | 8700 | D | 10/27/2024 | 0002 |
| 7439-96-5 | Manganese | 1500 | D | 10/27/2024 | 0002 |
| 7440-02-0 | Nickel | 45 | D | 10/27/2024 | 0002 |
| 7440-09-7 | Potassium | 2900 | D | 10/27/2024 | 0002 |
| 7782-49-2 | Selenium | 5.7 | UD | 10/27/2024 | 0002 |
| 7440-22-4 | Silver | 1.6 | UD | 10/27/2024 | 0002 |
| 7440-23-5 | Sodium | 240 | JD | 10/27/2024 | 0002 |
| 7440-28-0 | Thallium | 4.0 | UD | 10/27/2024 | 0002 |
| 7440-62-2 | Vanadium | 93 | D* | 10/27/2024 | 0002 |
| 7440-66-6 | Zinc | 85 | D | 10/27/2024 | 0002 |

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

Comments:

EPA SAMPLE NO.

MYE487

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-20

% Solids: 95.8 Date Received: 10/22/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 24000 | D | 10/27/2024 | 0006 |
| 7440-36-0 | Antimony | 9.9 | UD | 10/27/2024 | 0006 |
| 7440-38-2 | Arsenic | 37 | D | 10/27/2024 | 0006 |
| 7440-39-3 | Barium | 270 | D | 10/27/2024 | 0006 |
| 7440-41-7 | Beryllium | 1.1 | D | 10/27/2024 | 0006 |
| 7440-43-9 | Cadmium | 0.50 | JD | 10/27/2024 | 0006 |
| 7440-70-2 | Calcium | 8600 | D | 10/27/2024 | 0006 |
| 7440-47-3 | Chromium | 45 | D | 10/27/2024 | 0006 |
| 7440-48-4 | Cobalt | 25 | D | 10/27/2024 | 0006 |
| 7440-50-8 | Copper | 75 | D | 10/27/2024 | 0006 |
| 7439-89-6 | Iron | 44000 | D | 10/27/2024 | 0006 |
| 7439-92-1 | Lead | 29 | D | 10/27/2024 | 0006 |
| 7439-95-4 | Magnesium | 9900 | D | 10/27/2024 | 0006 |
| 7439-96-5 | Manganese | 1500 | D | 10/27/2024 | 0006 |
| 7440-02-0 | Nickel | 43 | D | 10/27/2024 | 0006 |
| 7440-09-7 | Potassium | 5100 | D | 10/27/2024 | 0006 |
| 7782-49-2 | Selenium | 5.8 | UD | 10/27/2024 | 0006 |
| 7440-22-4 | Silver | 1.7 | UD | 10/27/2024 | 0006 |
| 7440-23-5 | Sodium | 220 | JD | 10/27/2024 | 0006 |
| 7440-28-0 | Thallium | 4.1 | UD | 10/27/2024 | 0006 |
| 7440-62-2 | Vanadium | 79 | D* | 10/27/2024 | 0006 |
| 7440-66-6 | Zinc | 93 | D | 10/27/2024 | 0006 |

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

Comments:

EPA SAMPLE NO.

MYE488

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-21

% Solids: 95.1 Date Received: 10/22/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 21000 | D | 10/27/2024 | 0010 |
| 7440-36-0 | Antimony | 1.3 | JD | 10/27/2024 | 0010 |
| 7440-38-2 | Arsenic | 42 | D | 10/27/2024 | 0010 |
| 7440-39-3 | Barium | 230 | D | 10/27/2024 | 0010 |
| 7440-41-7 | Beryllium | 1.1 | D | 10/27/2024 | 0010 |
| 7440-43-9 | Cadmium | 0.88 | JD | 10/27/2024 | 0010 |
| 7440-70-2 | Calcium | 12000 | D | 10/27/2024 | 0010 |
| 7440-47-3 | Chromium | 42 | D | 10/27/2024 | 0010 |
| 7440-48-4 | Cobalt | 22 | D | 10/27/2024 | 0010 |
| 7440-50-8 | Copper | 130 | D | 10/27/2024 | 0010 |
| 7439-89-6 | Iron | 42000 | D | 10/27/2024 | 0010 |
| 7439-92-1 | Lead | 45 | D | 10/27/2024 | 0010 |
| 7439-95-4 | Magnesium | 9500 | D | 10/27/2024 | 0010 |
| 7439-96-5 | Manganese | 1300 | D | 10/27/2024 | 0010 |
| 7440-02-0 | Nickel | 42 | D | 10/27/2024 | 0010 |
| 7440-09-7 | Potassium | 6200 | D | 10/27/2024 | 0010 |
| 7782-49-2 | Selenium | 6.8 | UD | 10/27/2024 | 0010 |
| 7440-22-4 | Silver | 1.9 | UD | 10/27/2024 | 0010 |
| 7440-23-5 | Sodium | 210 | JD | 10/27/2024 | 0010 |
| 7440-28-0 | Thallium | 4.8 | UD | 10/27/2024 | 0010 |
| 7440-62-2 | Vanadium | 79 | D* | 10/27/2024 | 0010 |
| 7440-66-6 | Zinc | 120 | D | 10/27/2024 | 0010 |

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

Comments:

EPA SAMPLE NO.

MYE489

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3226.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-22

% Solids: 95.4 Date Received: 10/22/2024

Analytical Method: ICP_AES

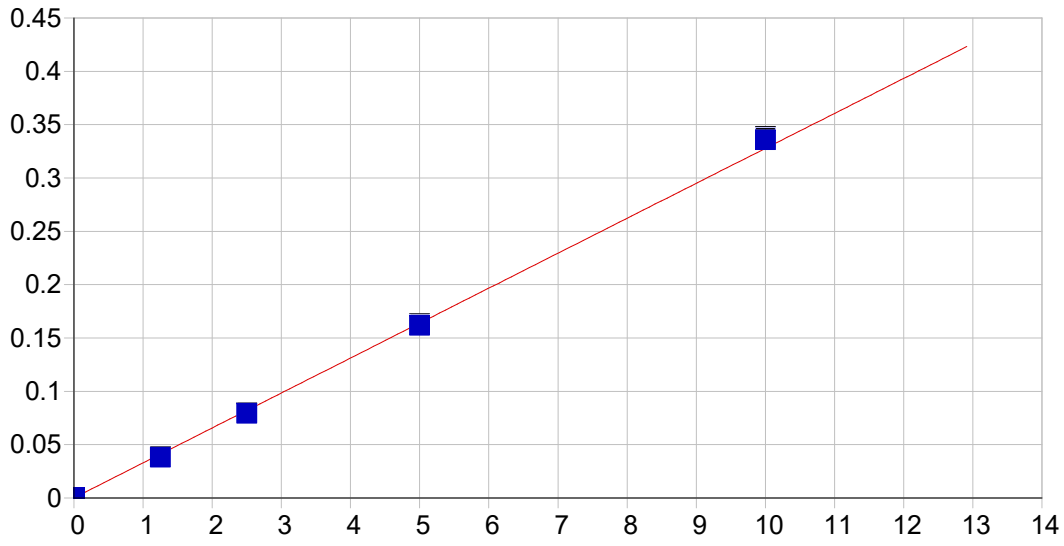
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 19000 | D | 10/27/2024 | 0015 |
| 7440-36-0 | Antimony | 1.9 | JD | 10/27/2024 | 0015 |
| 7440-38-2 | Arsenic | 40 | D | 10/27/2024 | 0015 |
| 7440-39-3 | Barium | 220 | D | 10/27/2024 | 0015 |
| 7440-41-7 | Beryllium | 1.0 | D | 10/27/2024 | 0015 |
| 7440-43-9 | Cadmium | 0.86 | JD | 10/27/2024 | 0015 |
| 7440-70-2 | Calcium | 11000 | D | 10/27/2024 | 0015 |
| 7440-47-3 | Chromium | 39 | D | 10/27/2024 | 0015 |
| 7440-48-4 | Cobalt | 22 | D | 10/27/2024 | 0015 |
| 7440-50-8 | Copper | 130 | D | 10/27/2024 | 0015 |
| 7439-89-6 | Iron | 40000 | D | 10/27/2024 | 0015 |
| 7439-92-1 | Lead | 43 | D | 10/27/2024 | 0015 |
| 7439-95-4 | Magnesium | 9000 | D | 10/27/2024 | 0015 |
| 7439-96-5 | Manganese | 1200 | D | 10/27/2024 | 0015 |
| 7440-02-0 | Nickel | 40 | D | 10/27/2024 | 0015 |
| 7440-09-7 | Potassium | 5700 | D | 10/27/2024 | 0015 |
| 7782-49-2 | Selenium | 6.3 | UD | 10/27/2024 | 0015 |
| 7440-22-4 | Silver | 1.8 | UD | 10/27/2024 | 0015 |
| 7440-23-5 | Sodium | 210 | JD | 10/27/2024 | 0015 |
| 7440-28-0 | Thallium | 4.5 | UD | 10/27/2024 | 0015 |
| 7440-62-2 | Vanadium | 73 | D* | 10/27/2024 | 0015 |
| 7440-66-6 | Zinc | 120 | D | 10/27/2024 | 0015 |

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

Comments:

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



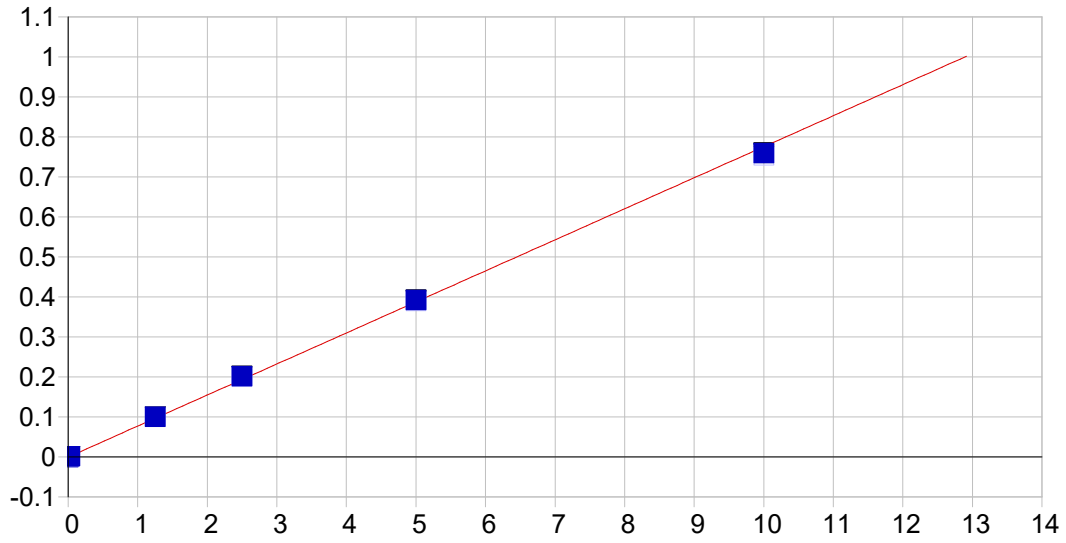

**As 189.042 {479}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.000166 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.032758 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999570 | Status: | OK. |
| Std Error of Est: | 0.000016 | | |
| Predicted MDL: | 0.005196 | | |
| Predicted MQL: | 0.017320 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00000 | -.000 | .000 | .00017 | .000 | 1 |
| S1 | .01000 | .01156 | .002 | 15.6 | .00055 | .000 | 1 |
| S2 | 1.2500 | 1.1619 | -.088 | -7.05 | .03854 | .000 | 1 |
| S3 | 2.5000 | 2.4102 | -.090 | -3.59 | .07973 | .000 | 1 |
| S4 | 5.0000 | 4.9343 | -.066 | -1.31 | .16303 | .001 | 1 |
| S5 | 10.000 | 10.242 | .242 | 2.42 | .33813 | .001 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



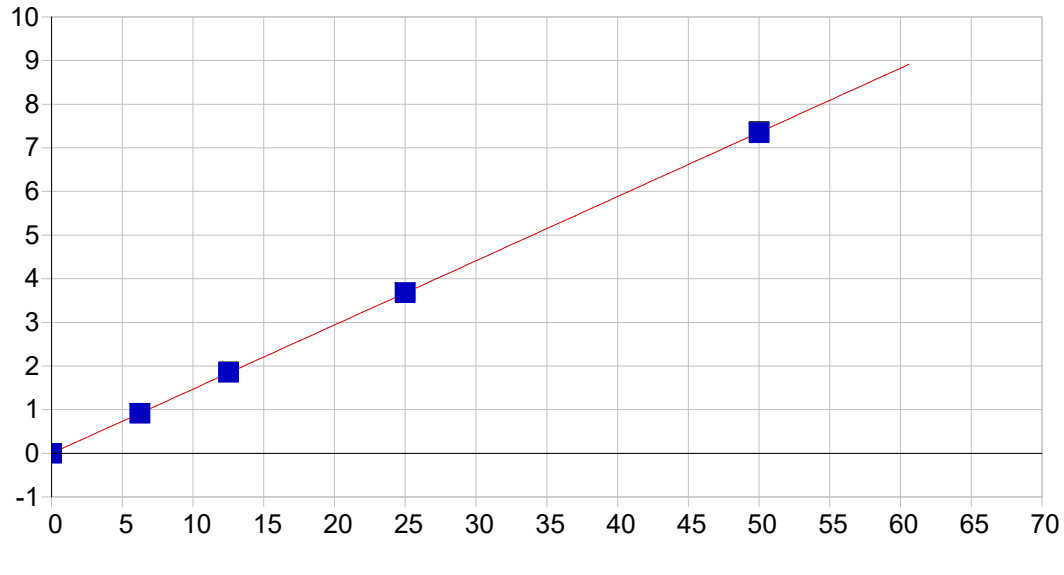

**Tl 190.856 {477}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000431 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.077585 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999703 | Status: | OK. |
| Std Error of Est: | 0.000050 | | |
| Predicted MDL: | 0.002974 | | |
| Predicted MQL: | 0.009913 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00000 | -.000 | .000 | -.00043 | .000 | 1 |
| S1 | .02500 | .02609 | .001 | 4.35 | .00155 | .000 | 1 |
| S2 | 1.2500 | 1.2982 | .048 | 3.86 | .09962 | .001 | 1 |
| S3 | 2.5000 | 2.6000 | .100 | 4.00 | .19995 | .001 | 1 |
| S4 | 5.0000 | 5.0599 | .060 | 1.20 | .38947 | .001 | 1 |
| S5 | 10.000 | 9.7909 | -.209 | -2.09 | .75385 | .002 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



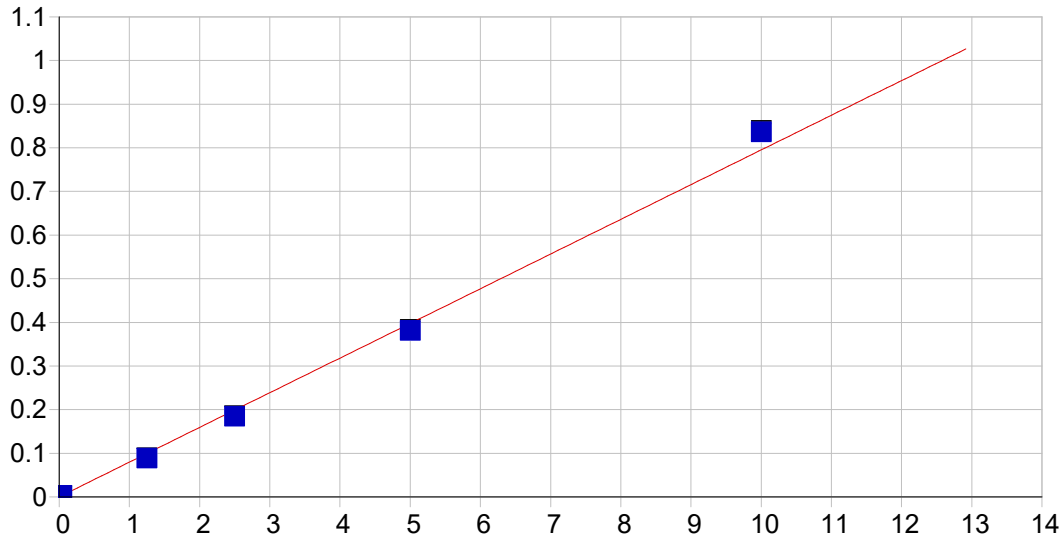

**Pb 220.353 {453}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000483 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.147072 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999989 | Status: | OK. |
| Std Error of Est: | 0.000025 | | |
| Predicted MDL: | 0.003358 | | |
| Predicted MQL: | 0.011193 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00000 | -.000 | .000 | -.00048 | .000 | 1 |
| S1 | .01000 | .01205 | .002 | 20.5 | .00129 | .000 | 1 |
| S2 | 6.2500 | 6.1975 | -.052 | -.839 | .91077 | .003 | 1 |
| S3 | 12.500 | 12.613 | .113 | .907 | 1.8541 | .004 | 1 |
| S4 | 25.000 | 25.004 | .004 | .018 | 3.6760 | .002 | 1 |
| S5 | 50.000 | 49.933 | -.067 | -.135 | 7.3413 | .021 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



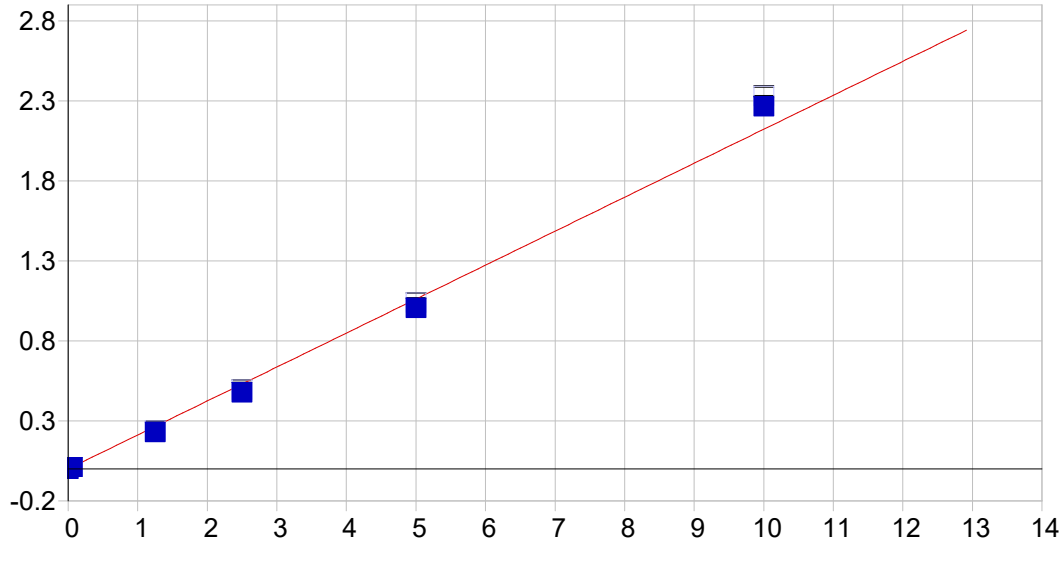

**Se 196.090 {472}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.000234 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.079480 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.998297 | Status: | OK. |
| Std Error of Est: | 0.000145 | | |
| Predicted MDL: | 0.005244 | | |
| Predicted MQL: | 0.017479 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00001 | .000 | .000 | .00023 | .000 | 1 |
| S1 | .03500 | .03176 | -.003 | -9.26 | .00276 | .000 | 1 |
| S2 | 1.2500 | 1.1135 | -.136 | -10.9 | .08855 | .001 | 1 |
| S3 | 2.5000 | 2.3201 | -.180 | -7.20 | .18426 | .001 | 1 |
| S4 | 5.0000 | 4.7960 | -.204 | -4.08 | .38066 | .002 | 1 |
| S5 | 10.000 | 10.524 | .524 | 5.24 | .83513 | .003 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



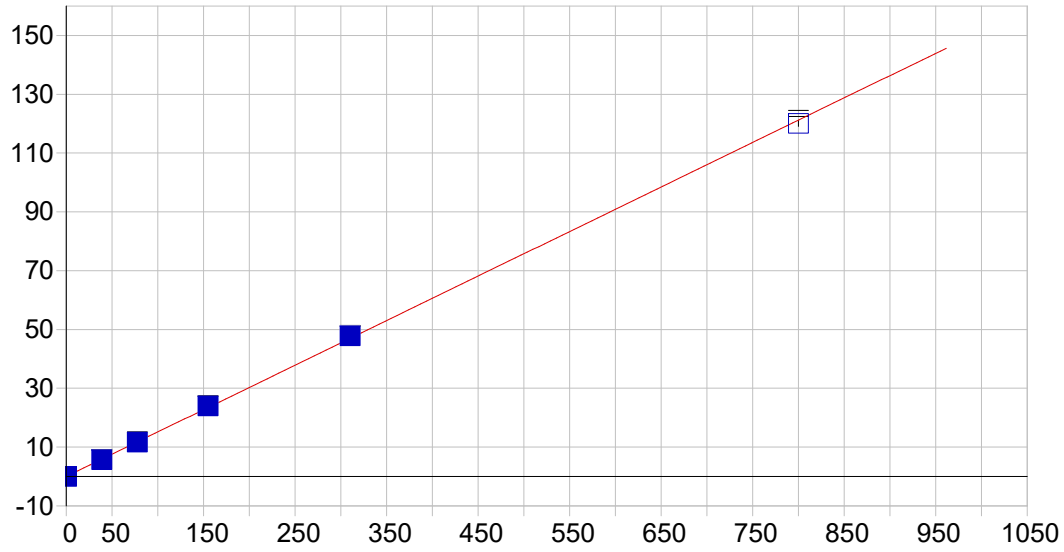

**Sb 206.833 {463}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000129 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.212282 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.997340 | Status: | OK. |
| Std Error of Est: | 0.000657 | | |
| Predicted MDL: | 0.002379 | | |
| Predicted MQL: | 0.007929 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00002 | .000 | .000 | -.00013 | .000 | 1 |
| S1 | .06000 | .05514 | -.005 | -8.09 | .01158 | .001 | 1 |
| S2 | 1.2500 | 1.0816 | -.168 | -13.5 | .23731 | .002 | 1 |
| S3 | 2.5000 | 2.2549 | -.245 | -9.81 | .49420 | .001 | 1 |
| S4 | 5.0000 | 4.7407 | -.259 | -5.19 | 1.0376 | .002 | 1 |
| S5 | 10.000 | 10.678 | .678 | 6.78 | 2.3292 | .005 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



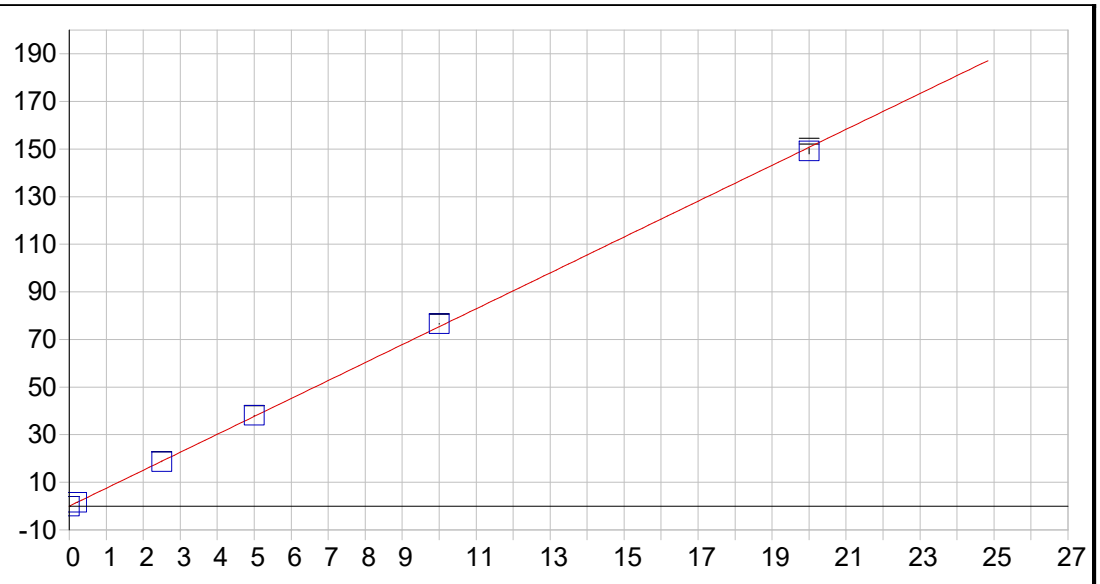

**Al 396.152 { 85}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.004567 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.151499 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999902 | Status: | OK. |
| Std Error of Est: | 0.001322 | | |
| Predicted MDL: | 0.014455 | | |
| Predicted MQL: | 0.048185 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00001 | -.000 | .000 | -.00457 | .002 | 1 |
| S1 | .20000 | .21071 | .011 | 5.35 | .02741 | .001 | 1 |
| S2 | 38.750 | 37.552 | -1.20 | -3.09 | 5.6916 | .004 | 1 |
| S3 | 77.500 | 77.097 | -.403 | -.519 | 11.690 | .028 | 1 |
| S4 | 155.00 | 158.28 | 3.28 | 2.11 | 24.003 | .014 | 1 |
| S5 | 310.00 | 315.52 | 5.52 | 1.78 | 47.852 | .131 | 1 |
| S6 | 800.00 | 792.79 | -7.21 | -.902 | 120.10 | 1.00 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



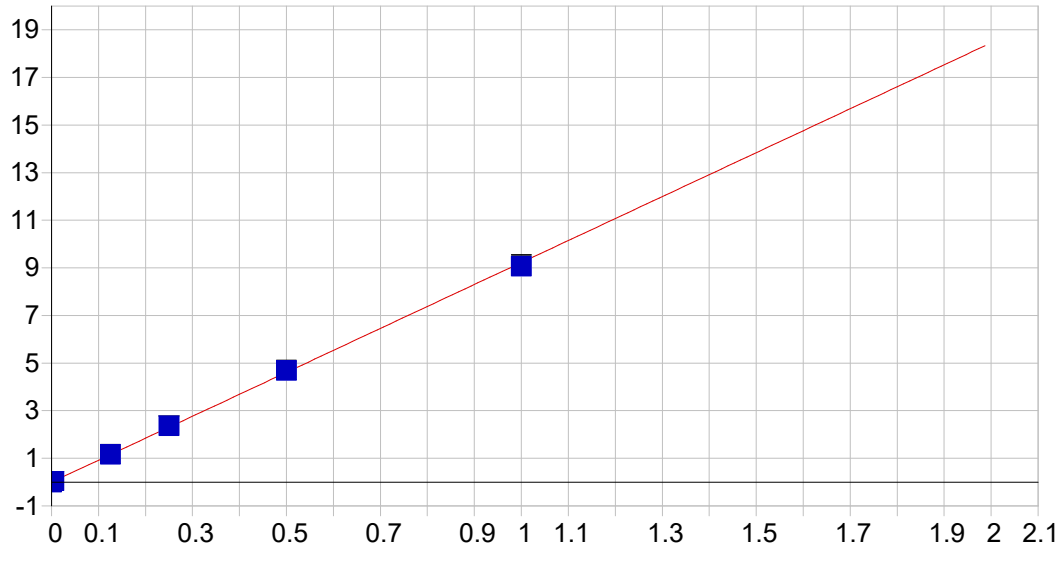

**Ba 493.409 { 68}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.001238 | Re-Slope: | 1.000000 |
| A1 (Gain): | 7.536449 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999921 | Status: | OK. |
| Std Error of Est: | 0.010069 | | |
| Predicted MDL: | 0.000556 | | |
| Predicted MQL: | 0.001855 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00001 | -.000 | .000 | -.00132 | .002 | 1 |
| S1 | .20000 | .20946 | .009 | 4.73 | 1.5773 | .006 | 1 |
| S2 | 2.5000 | 2.4772 | -.023 | -.913 | 18.668 | .051 | 1 |
| S3 | 5.0000 | 5.0551 | .055 | 1.10 | 38.096 | .075 | 1 |
| S4 | 10.000 | 10.162 | .162 | 1.62 | 76.583 | .074 | 1 |
| S5 | 20.000 | 19.796 | -.204 | -1.02 | 149.19 | 1.22 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



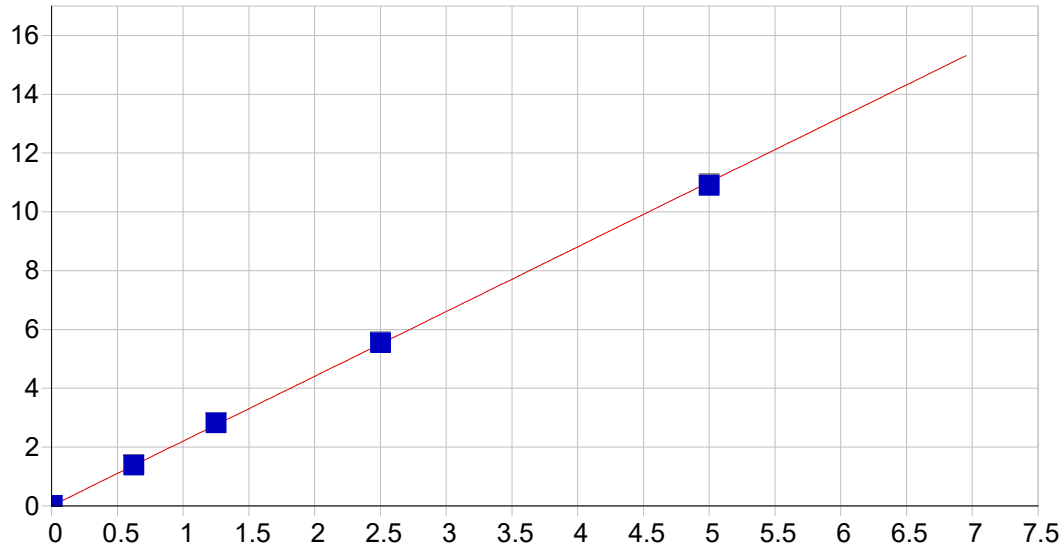

**Be 234.861 {144}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.001955 | Re-Slope: | 1.000000 |
| A1 (Gain): | 9.227971 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999827 | Status: | OK. |
| Std Error of Est: | 0.000643 | | |
| Predicted MDL: | 0.000134 | | |
| Predicted MQL: | 0.000448 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00000 | -.000 | .000 | -.00196 | .001 | 1 |
| S1 | .00500 | .00530 | .000 | 5.94 | .04690 | .000 | 1 |
| S2 | .12500 | .12608 | .001 | .866 | 1.1597 | .002 | 1 |
| S3 | .25000 | .25670 | .007 | 2.68 | 2.3631 | .011 | 1 |
| S4 | .50000 | .50883 | .009 | 1.77 | 4.6861 | .011 | 1 |
| S5 | 1.0000 | .98309 | -.017 | -1.69 | 9.0551 | .072 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



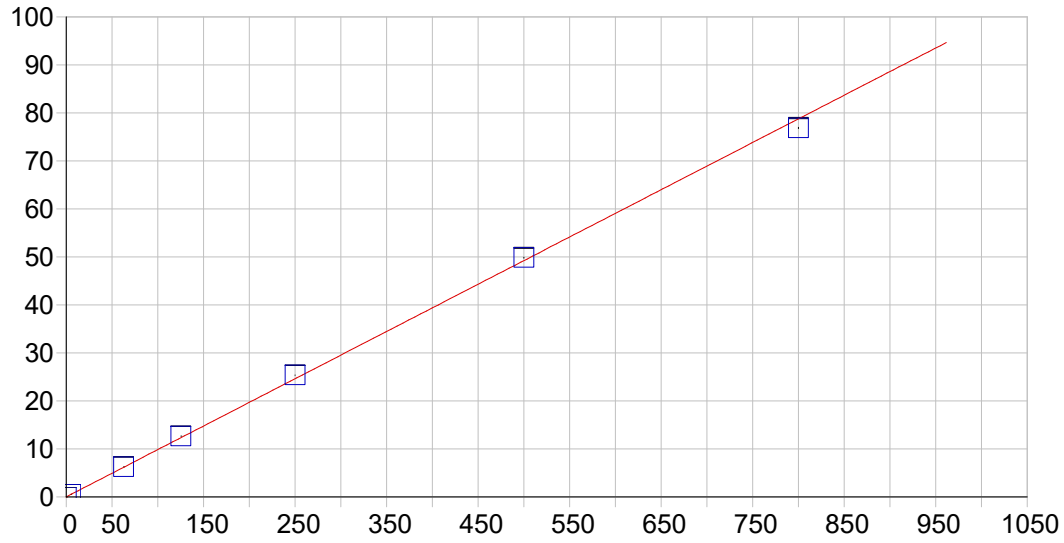

**Cd 214.438 {457}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.000917 | Re-Slope: | 1.000000 |
| A1 (Gain): | 2.202821 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999917 | Status: | OK. |
| Std Error of Est: | 0.000239 | | |
| Predicted MDL: | 0.000139 | | |
| Predicted MQL: | 0.000465 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00000 | -.000 | .000 | .00092 | .000 | 1 |
| S1 | .00500 | .00528 | .000 | 5.59 | .01256 | .000 | 1 |
| S2 | .62500 | .62947 | .004 | .715 | 1.3908 | .002 | 1 |
| S3 | 1.2500 | 1.2802 | .030 | 2.42 | 2.8276 | .005 | 1 |
| S4 | 2.5000 | 2.5206 | .021 | .825 | 5.5666 | .008 | 1 |
| S5 | 5.0000 | 4.9444 | -.056 | -1.11 | 10.919 | .025 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



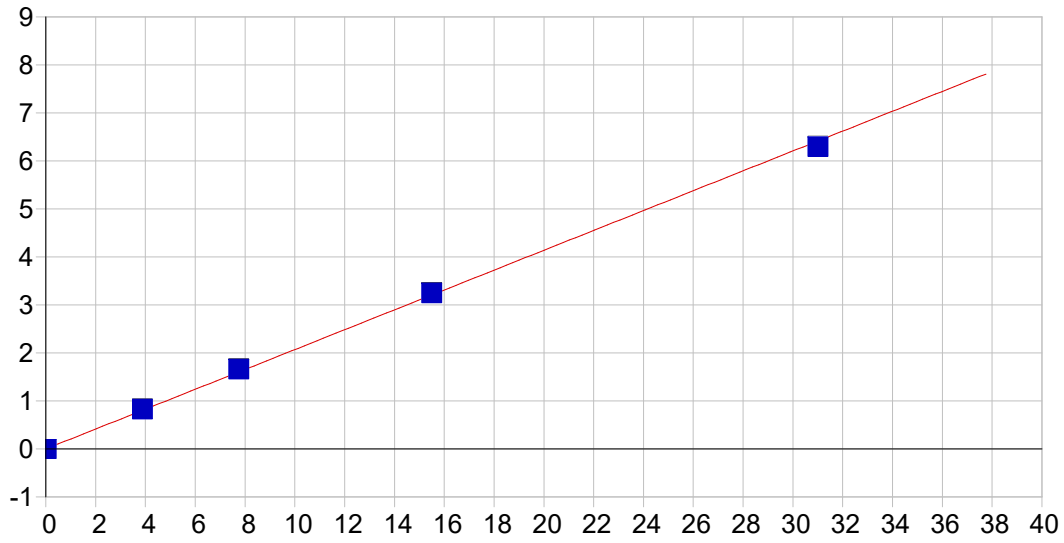

**Ca 373.690 { 90}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.006195 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.098445 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999732 | Status: | OK. |
| Std Error of Est: | 0.007958 | | |
| Predicted MDL: | 0.017744 | | |
| Predicted MQL: | 0.059147 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00080 | -.001 | .000 | .00612 | .001 | 1 |
| S1 | 5.0000 | 5.4731 | .473 | 9.46 | .54500 | .006 | 1 |
| S2 | 62.500 | 63.518 | 1.02 | 1.63 | 6.2592 | .011 | 1 |
| S3 | 125.00 | 128.57 | 3.57 | 2.86 | 12.664 | .019 | 1 |
| S4 | 250.00 | 257.80 | 7.80 | 3.12 | 25.385 | .020 | 1 |
| S5 | 500.00 | 506.15 | 6.15 | 1.23 | 49.834 | .086 | 1 |
| S6 | 800.00 | 780.98 | -19.0 | -2.38 | 76.890 | .135 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



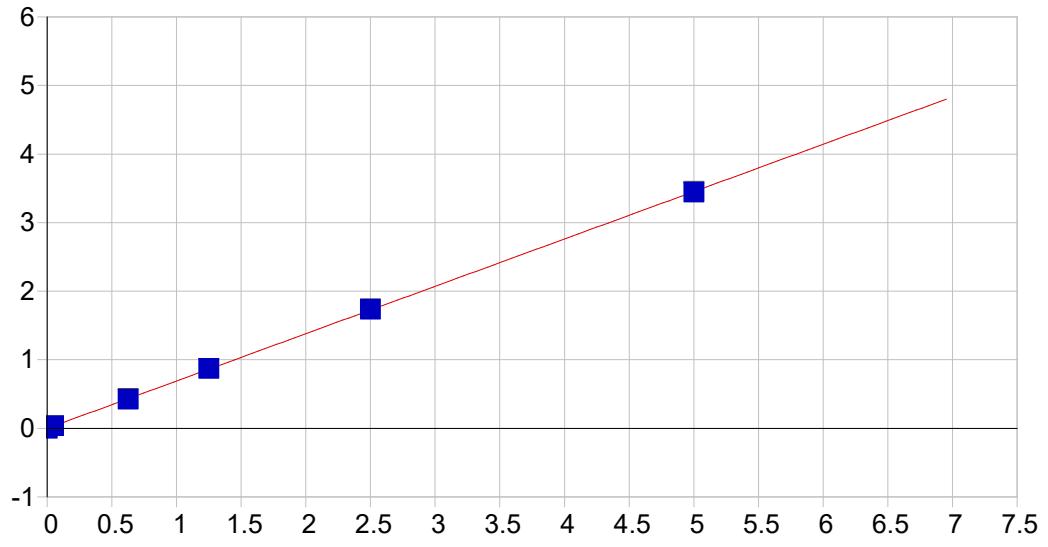

**Cr 267.716 {126}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000106 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.206897 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999773 | Status: | OK. |
| Std Error of Est: | 0.000130 | | |
| Predicted MDL: | 0.000973 | | |
| Predicted MQL: | 0.003242 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00000 | -.000 | .000 | -.00011 | .000 | 1 |
| S1 | .01000 | .01042 | .000 | 4.21 | .00205 | .000 | 1 |
| S2 | 3.8750 | 3.9952 | .120 | 3.10 | .82740 | .001 | 1 |
| S3 | 7.7500 | 8.0218 | .272 | 3.51 | 1.6614 | .003 | 1 |
| S4 | 15.500 | 15.689 | .189 | 1.22 | 3.2495 | .008 | 1 |
| S5 | 31.000 | 30.418 | -.582 | -1.88 | 6.3006 | .008 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



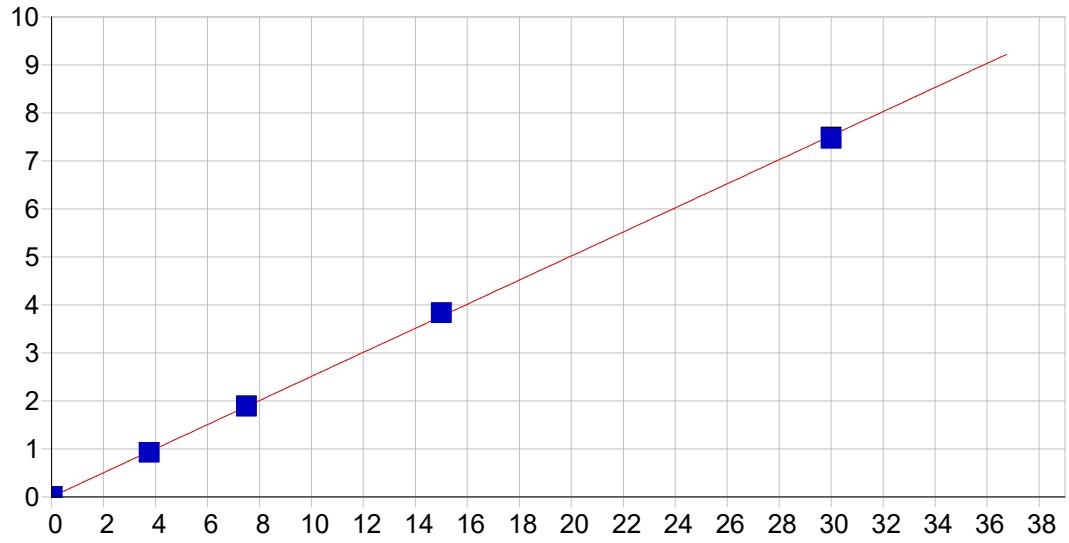

**Co 228.616 {448}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000493 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.690522 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999982 | Status: | OK. |
| Std Error of Est: | 0.000110 | | |
| Predicted MDL: | 0.000517 | | |
| Predicted MQL: | 0.001724 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | -.00049 | .000 | 1 |
| S1 | .05000 | .05014 | .000 | .281 | .03425 | .001 | 1 |
| S2 | .62500 | .61621 | -.009 | -1.41 | .42554 | .001 | 1 |
| S3 | 1.2500 | 1.2602 | .010 | .816 | .87075 | .000 | 1 |
| S4 | 2.5000 | 2.5142 | .014 | .567 | 1.7377 | .000 | 1 |
| S5 | 5.0000 | 4.9843 | -.016 | -.314 | 3.4455 | .009 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



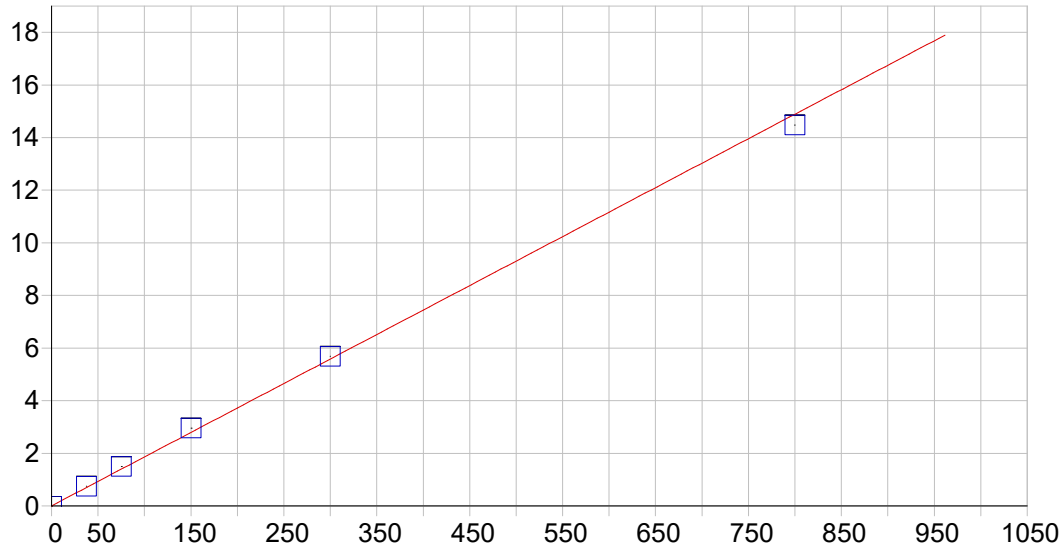

**Cu 324.754 {104}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.001595 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.250814 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999923 | Status: | OK. |
| Std Error of Est: | 0.000143 | | |
| Predicted MDL: | 0.004241 | | |
| Predicted MQL: | 0.014135 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00000 | -.000 | .000 | .00159 | .001 | 1 |
| S1 | .02500 | .02701 | .002 | 8.06 | .00837 | .001 | 1 |
| S2 | 3.7500 | 3.6824 | -.068 | -1.80 | .92460 | .003 | 1 |
| S3 | 7.5000 | 7.5034 | .003 | .046 | 1.8824 | .009 | 1 |
| S4 | 15.000 | 15.289 | .289 | 1.93 | 3.8340 | .005 | 1 |
| S5 | 30.000 | 29.773 | -.227 | -.757 | 7.4642 | .026 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

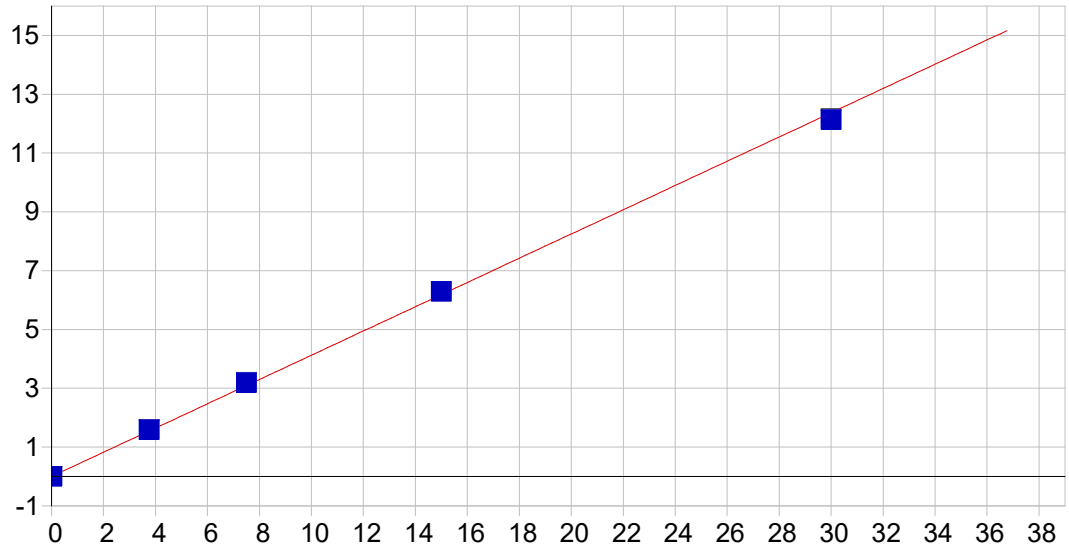



**Fe 259.837 {130}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.000333 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.018611 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999333 | Status: | OK. |
| Std Error of Est: | 0.000297 | | |
| Predicted MDL: | 0.026613 | | |
| Predicted MQL: | 0.088711 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00005 | -.000 | .000 | .00033 | .000 | 1 |
| S1 | .10000 | .12738 | .027 | 27.4 | .00270 | .000 | 1 |
| S2 | 37.500 | 39.989 | 2.49 | 6.64 | .74458 | .007 | 1 |
| S3 | 75.000 | 80.423 | 5.42 | 7.23 | 1.4971 | .004 | 1 |
| S4 | 150.00 | 158.97 | 8.97 | 5.98 | 2.9590 | .002 | 1 |
| S5 | 300.00 | 305.40 | 5.40 | 1.80 | 5.6841 | .005 | 1 |
| S6 | 800.00 | 777.69 | -22.3 | -2.79 | 14.474 | .017 | 1 |

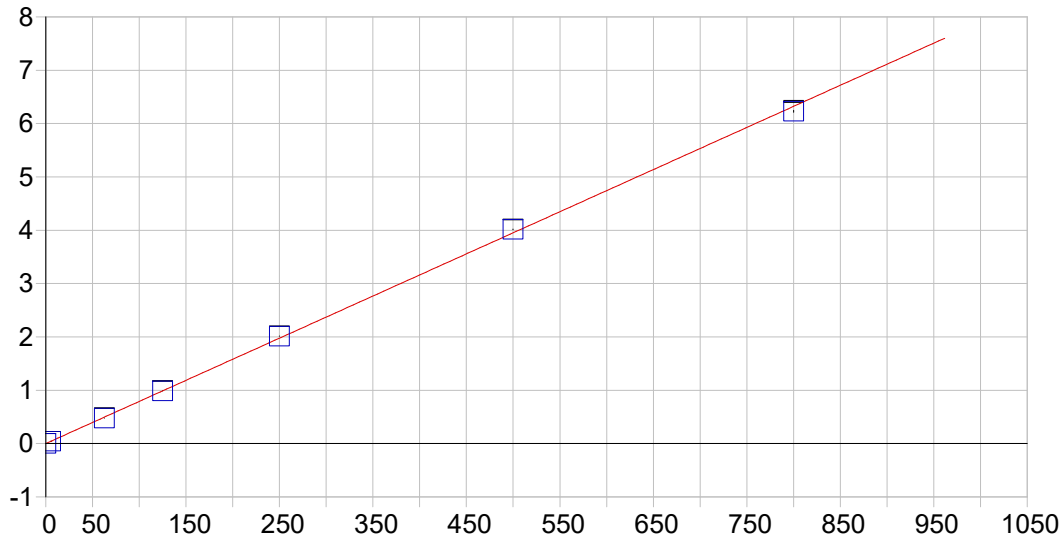



**Mn 257.610 {131}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000217 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.412413 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999773 | Status: | OK. |
| Std Error of Est: | 0.000313 | | |
| Predicted MDL: | 0.001275 | | |
| Predicted MQL: | 0.004251 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00000 | -.000 | .000 | -.00022 | .001 | 1 |
| S1 | .01500 | .01765 | .003 | 17.7 | .00708 | .001 | 1 |
| S2 | 3.7500 | 3.8438 | .094 | 2.50 | 1.5853 | .002 | 1 |
| S3 | 7.5000 | 7.7340 | .234 | 3.12 | 3.1898 | .009 | 1 |
| S4 | 15.000 | 15.250 | .250 | 1.67 | 6.2902 | .005 | 1 |
| S5 | 30.000 | 29.419 | -.581 | -1.94 | 12.134 | .027 | 1 |



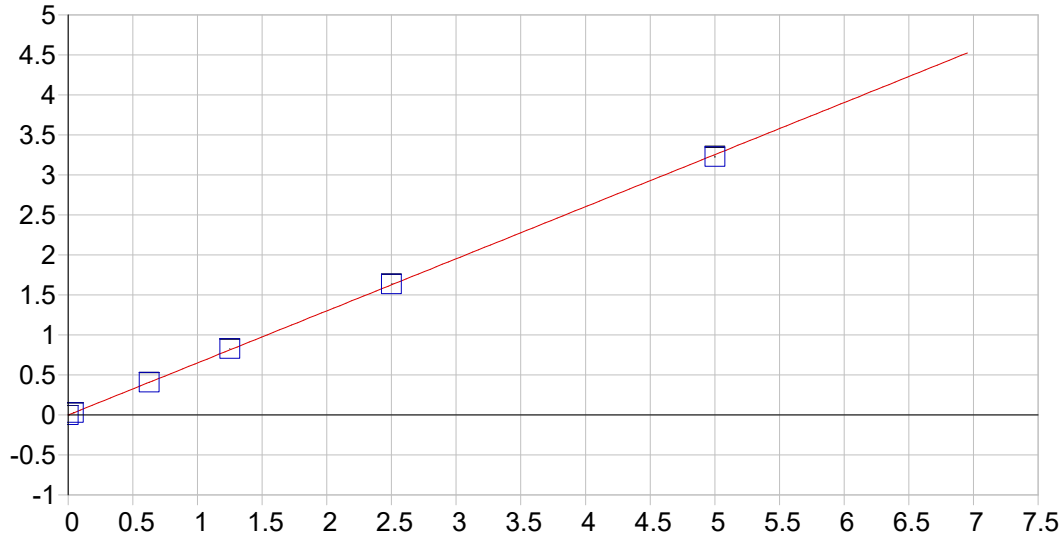

**Mg 279.079 {121}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000319 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.007902 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999857 | Status: | OK. |
| Std Error of Est: | 0.000467 | | |
| Predicted MDL: | 0.074004 | | |
| Predicted MQL: | 0.246680 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00044 | -.000 | .000 | -.00032 | .001 | 1 |
| S1 | 5.0000 | 5.4898 | .490 | 9.80 | .04306 | .001 | 1 |
| S2 | 62.500 | 60.608 | -1.89 | -3.03 | .47862 | .001 | 1 |
| S3 | 125.00 | 124.92 | -.075 | -.060 | .98687 | .003 | 1 |
| S4 | 250.00 | 254.91 | 4.91 | 1.96 | 2.0140 | .003 | 1 |
| S5 | 500.00 | 508.10 | 8.10 | 1.62 | 4.0148 | .006 | 1 |
| S6 | 800.00 | 788.47 | -11.5 | -1.44 | 6.2304 | .020 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



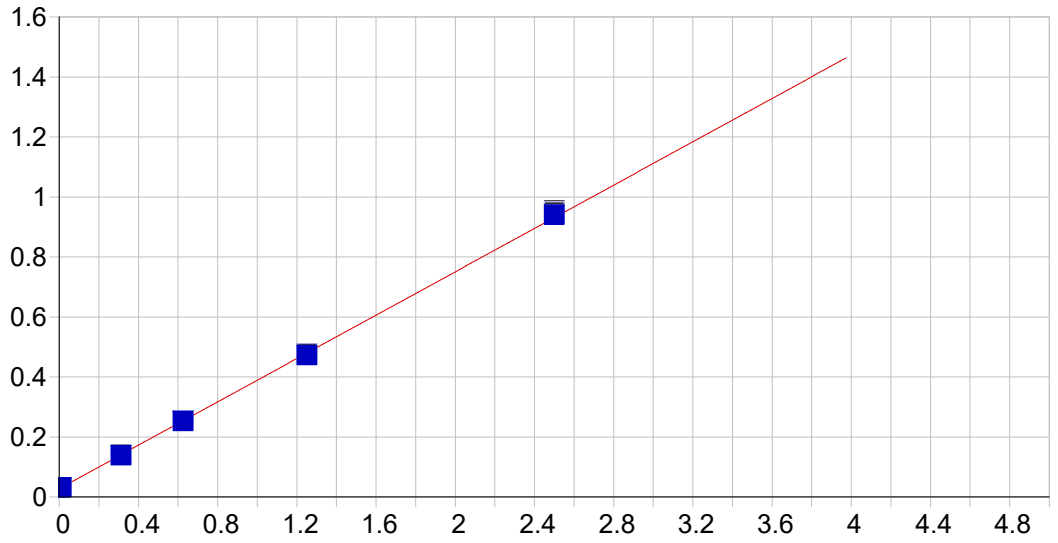

**Ni 231.604 {446}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000662 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.650786 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999954 | Status: | OK. |
| Std Error of Est: | 0.000149 | | |
| Predicted MDL: | 0.000585 | | |
| Predicted MQL: | 0.001950 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00000 | -.000 | .000 | -.00066 | .000 | 1 |
| S1 | .04000 | .04254 | .003 | 6.35 | .02702 | .000 | 1 |
| S2 | .62500 | .62515 | .000 | .023 | .40617 | .001 | 1 |
| S3 | 1.2500 | 1.2704 | .020 | 1.63 | .82609 | .002 | 1 |
| S4 | 2.5000 | 2.5149 | .015 | .595 | 1.6360 | .000 | 1 |
| S5 | 5.0000 | 4.9621 | -.038 | -.759 | 3.2286 | .008 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



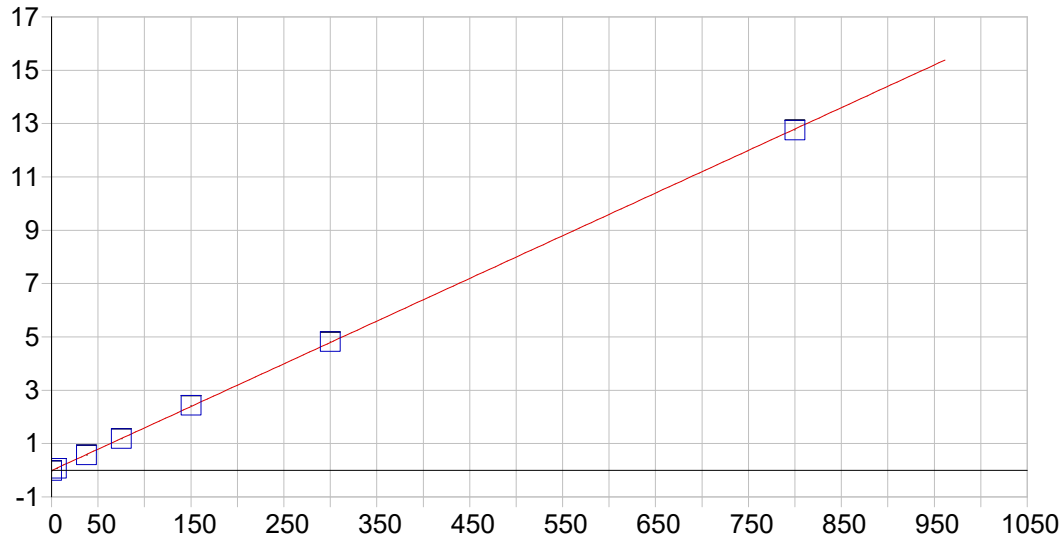

**Ag 328.068 {103}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.027923 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.361209 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999910 | Status: | OK. |
| Std Error of Est: | 0.000041 | | |
| Predicted MDL: | n/a | | |
| Predicted MQL: | n/a | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00000 | -.000 | .000 | .02792 | .000 | 1 |
| S1 | .01000 | .01109 | .001 | 10.9 | .03192 | .000 | 1 |
| S2 | .31250 | .30540 | -.007 | -2.27 | .13945 | .001 | 1 |
| S3 | .62500 | .62172 | -.003 | -.525 | .25492 | .000 | 1 |
| S4 | 1.2500 | 1.2319 | -.018 | -1.45 | .47776 | .000 | 1 |
| S5 | 2.5000 | 2.5274 | .027 | 1.10 | .95057 | .003 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



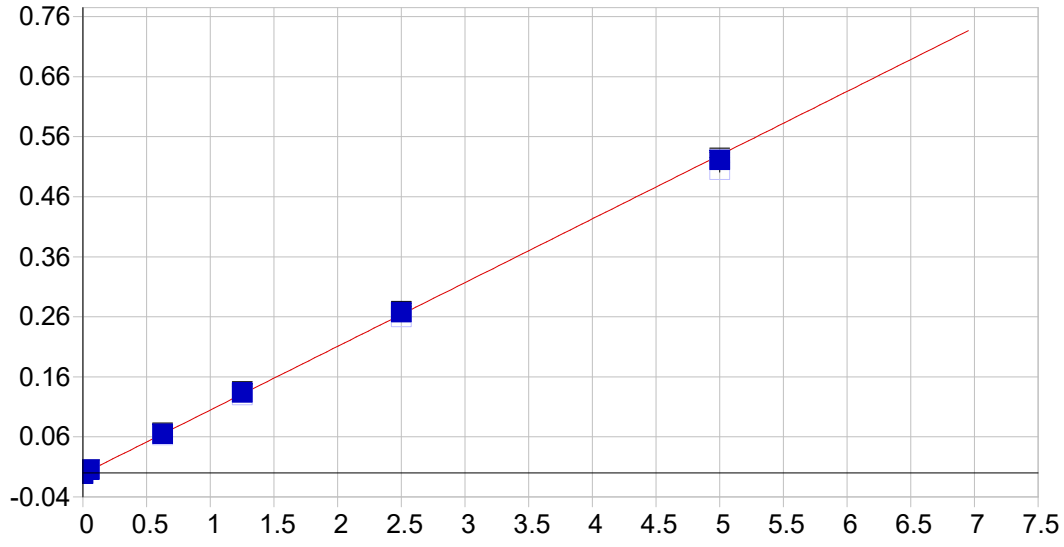

**Na 818.326 { 41}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.012505 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.016011 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999966 | Status: | OK. |
| Std Error of Est: | 0.000411 | | |
| Predicted MDL: | 0.297303 | | |
| Predicted MQL: | 0.991011 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00018 | .000 | .000 | -.01250 | .001 | 1 |
| S1 | 5.0000 | 4.8910 | -.109 | -2.18 | .06580 | .003 | 1 |
| S2 | 37.500 | 36.422 | -1.08 | -2.88 | .57064 | .001 | 1 |
| S3 | 75.000 | 74.639 | -.361 | -.481 | 1.1825 | .003 | 1 |
| S4 | 150.00 | 152.57 | 2.57 | 1.71 | 2.4303 | .007 | 1 |
| S5 | 300.00 | 301.47 | 1.47 | .490 | 4.8143 | .007 | 1 |
| S6 | 800.00 | 797.51 | -2.49 | -.312 | 12.756 | .003 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



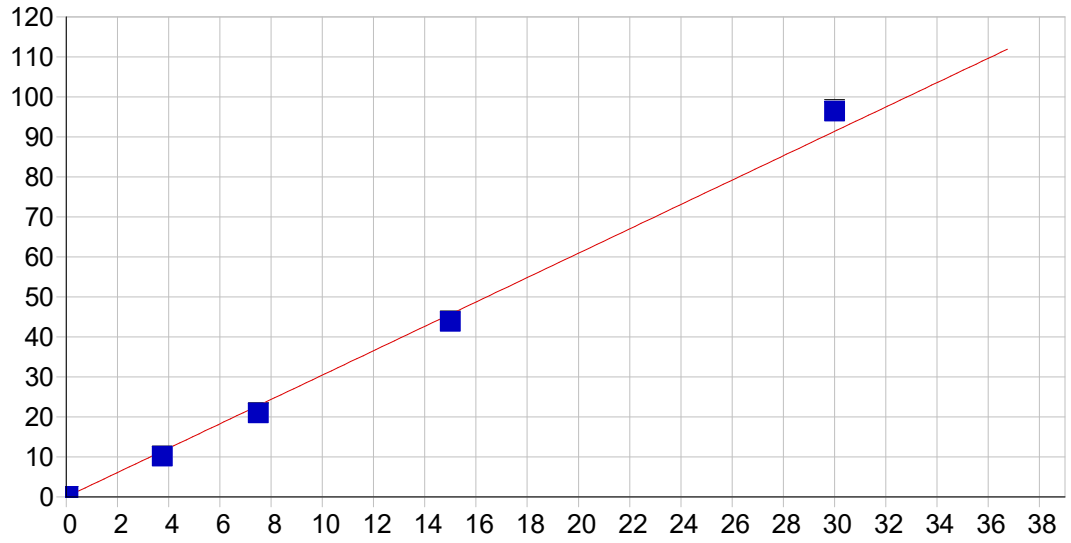

**V 292.402 {115}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.001553 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.106169 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999641 | Status: | OK. |
| Std Error of Est: | 0.000073 | | |
| Predicted MDL: | 0.010042 | | |
| Predicted MQL: | 0.033475 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00002 | -.000 | .000 | -.00156 | .000 | 1 |
| S1 | .05000 | .06450 | .014 | 29.0 | .00528 | .000 | 1 |
| S2 | .62500 | .62778 | .003 | .445 | .06306 | .002 | 1 |
| S3 | 1.2500 | 1.2743 | .024 | 1.94 | .12966 | .002 | 1 |
| S4 | 2.5000 | 2.5350 | .035 | 1.40 | .25943 | .002 | 1 |
| S5 | 5.0000 | 4.9231 | -.077 | -1.54 | .50482 | .004 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



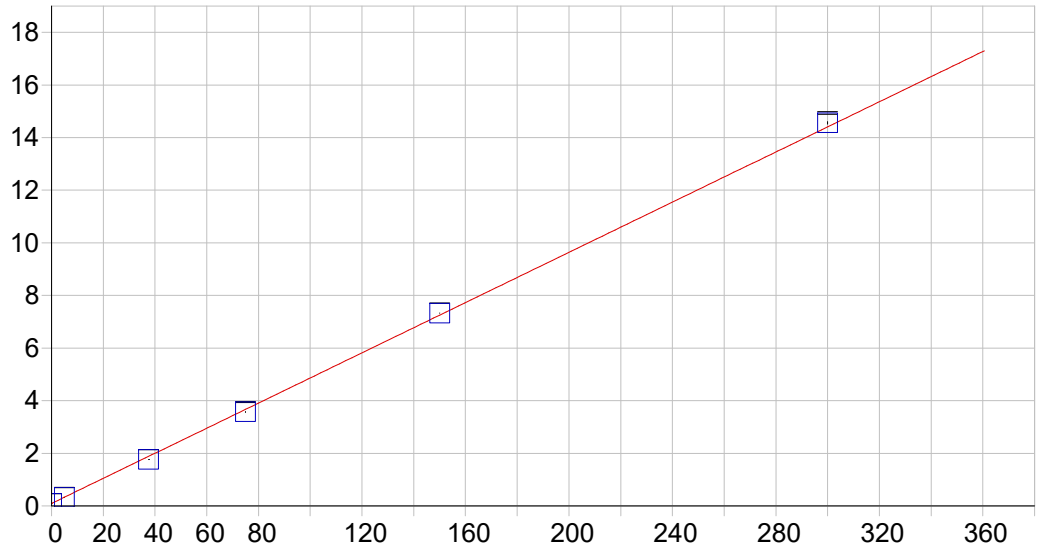

**Zn 213.856 {158}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.002443 | Re-Slope: | 1.000000 |
| A1 (Gain): | 3.045699 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.998104 | Status: | OK. |
| Std Error of Est: | 0.013380 | | |
| Predicted MDL: | 0.000449 | | |
| Predicted MQL: | 0.001496 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00002 | .000 | .000 | .00249 | .000 | 1 |
| S1 | .06000 | .05535 | -.005 | -7.75 | .17190 | .002 | 1 |
| S2 | 3.7500 | 3.3299 | -.420 | -11.2 | 10.158 | .021 | 1 |
| S3 | 7.5000 | 6.8806 | -.619 | -8.26 | 20.986 | .100 | 1 |
| S4 | 15.000 | 14.390 | -.610 | -4.07 | 43.884 | .082 | 1 |
| S5 | 30.000 | 31.655 | 1.65 | 5.52 | 96.523 | .298 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



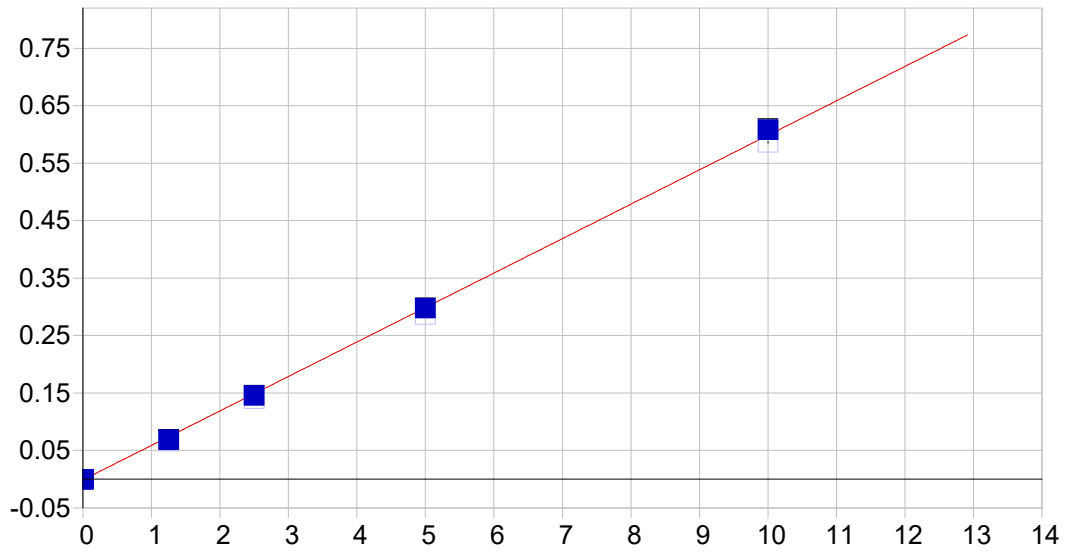

**K 769.896 { 44}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.092259 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.047725 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999757 | Status: | OK. |
| Std Error of Est: | 0.002170 | | |
| Predicted MDL: | 0.129523 | | |
| Predicted MQL: | 0.431744 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00054 | .001 | .000 | .09228 | .002 | 1 |
| S1 | 5.0000 | 4.8234 | -.177 | -3.53 | .32246 | .005 | 1 |
| S2 | 37.500 | 35.017 | -2.48 | -6.62 | 1.7634 | .002 | 1 |
| S3 | 75.000 | 72.952 | -2.05 | -2.73 | 3.5739 | .018 | 1 |
| S4 | 150.00 | 151.56 | 1.56 | 1.04 | 7.3253 | .009 | 1 |
| S5 | 300.00 | 303.15 | 3.15 | 1.05 | 14.560 | .043 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



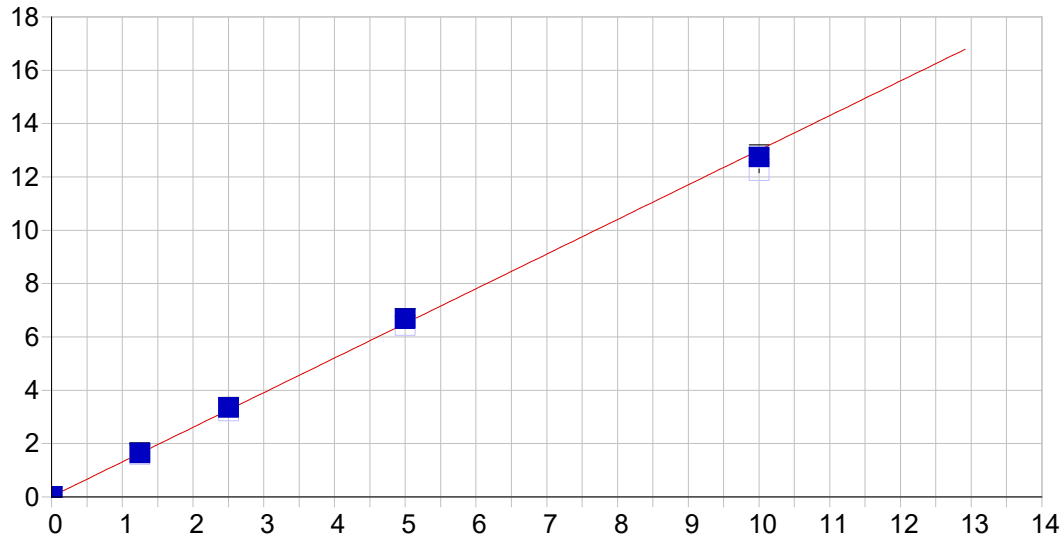

**P 177.495 {490}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.001163 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.059970 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999713 | Status: | OK. |
| Std Error of Est: | 0.000023 | | |
| Predicted MDL: | 0.003282 | | |
| Predicted MQL: | 0.010939 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | -.00116 | .000 | 1 |
| S1 | .01000 | .00860 | -.001 | -14.0 | -.00066 | .000 | 1 |
| S2 | 1.2500 | 1.1651 | -.085 | -6.79 | .06595 | .000 | 1 |
| S3 | 2.5000 | 2.4429 | -.057 | -2.29 | .13982 | .001 | 1 |
| S4 | 5.0000 | 4.9806 | -.019 | -.389 | .28650 | .001 | 1 |
| S5 | 10.000 | 10.163 | .163 | 1.63 | .58625 | .002 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



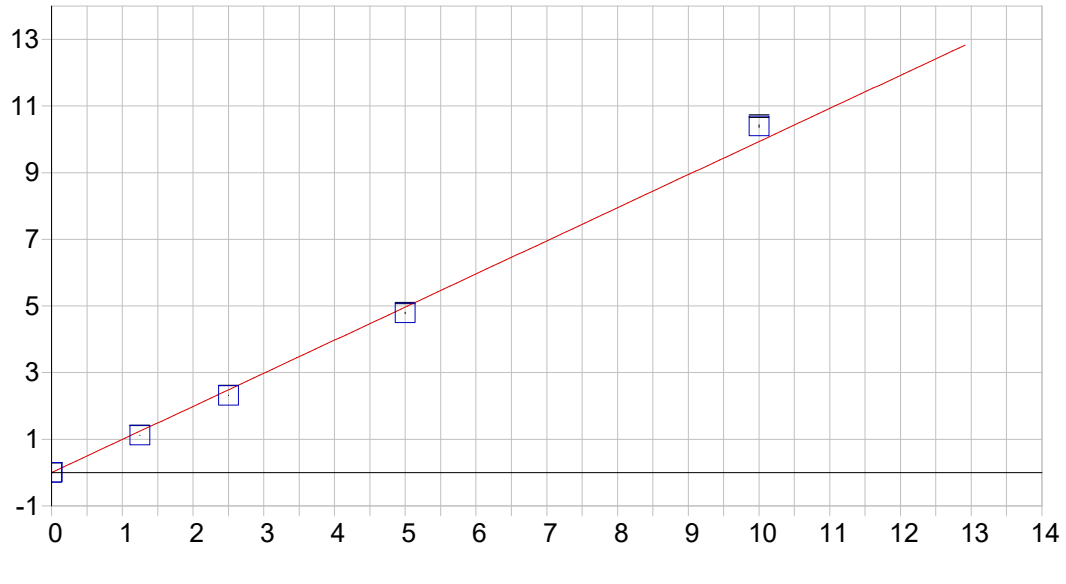

**B 249.678 {135}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.013682 | Re-Slope: | 1.000000 |
| A1 (Gain): | 1.298695 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999373 | Status: | OK. |
| Std Error of Est: | 0.000741 | | |
| Predicted MDL: | 0.001099 | | |
| Predicted MQL: | 0.003662 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00001 | .000 | .000 | .01370 | .001 | 1 |
| S1 | .01000 | -.00125 | -.011 | -112. | .01194 | .000 | 1 |
| S2 | 1.2500 | 1.2559 | .006 | .475 | 1.5792 | .007 | 1 |
| S3 | 2.5000 | 2.5640 | .064 | 2.56 | 3.2125 | .022 | 1 |
| S4 | 5.0000 | 5.1349 | .135 | 2.70 | 6.4202 | .006 | 1 |
| S5 | 10.000 | 9.8068 | -.193 | -1.93 | 12.226 | .075 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



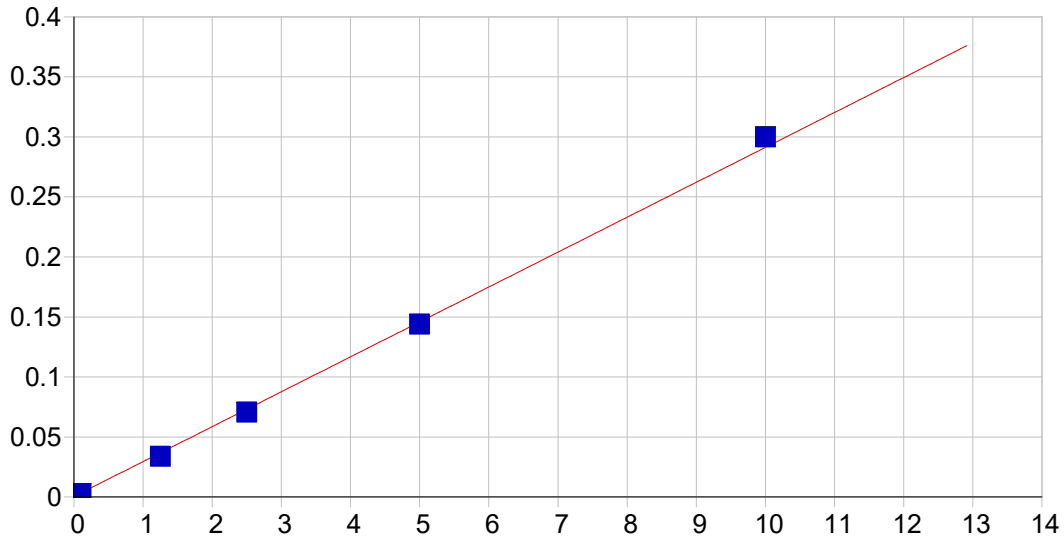

**Mo 202.030 {467}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000378 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.993465 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.998645 | Status: | OK. |
| Std Error of Est: | 0.000868 | | |
| Predicted MDL: | 0.000456 | | |
| Predicted MQL: | 0.001520 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | -.00038 | .000 | 1 |
| S1 | .01000 | .00972 | -.000 | -2.76 | .00928 | .001 | 1 |
| S2 | 1.2500 | 1.1268 | -.123 | -9.85 | 1.1191 | .004 | 1 |
| S3 | 2.5000 | 2.3330 | -.167 | -6.68 | 2.3173 | .002 | 1 |
| S4 | 5.0000 | 4.8259 | -.174 | -3.48 | 4.7940 | .019 | 1 |
| S5 | 10.000 | 10.465 | .465 | 4.65 | 10.396 | .037 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



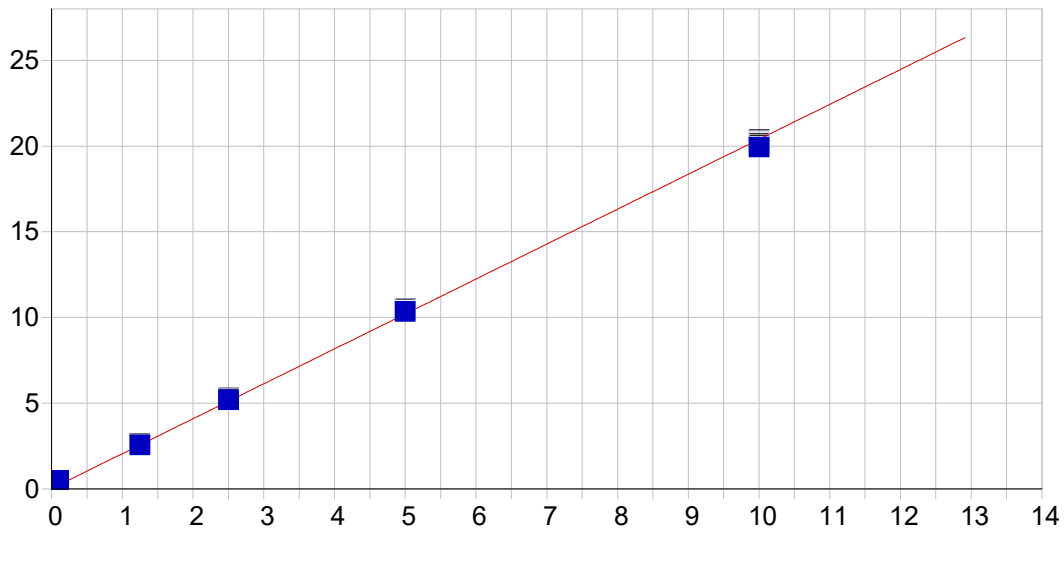

**S 182.034 {485}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.000360 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.029090 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999336 | Status: | OK. |
| Std Error of Est: | 0.000056 | | |
| Predicted MDL: | 0.006525 | | |
| Predicted MQL: | 0.021751 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00003 | .000 | .000 | .00036 | .000 | 1 |
| S1 | .10000 | .08594 | -.014 | -14.1 | .00286 | .000 | 1 |
| S2 | 1.2500 | 1.1403 | -.110 | -8.77 | .03353 | .000 | 1 |
| S3 | 2.5000 | 2.4035 | -.097 | -3.86 | .07028 | .000 | 1 |
| S4 | 5.0000 | 4.9262 | -.074 | -1.48 | .14367 | .000 | 1 |
| S5 | 10.000 | 10.294 | .294 | 2.94 | .29984 | .000 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



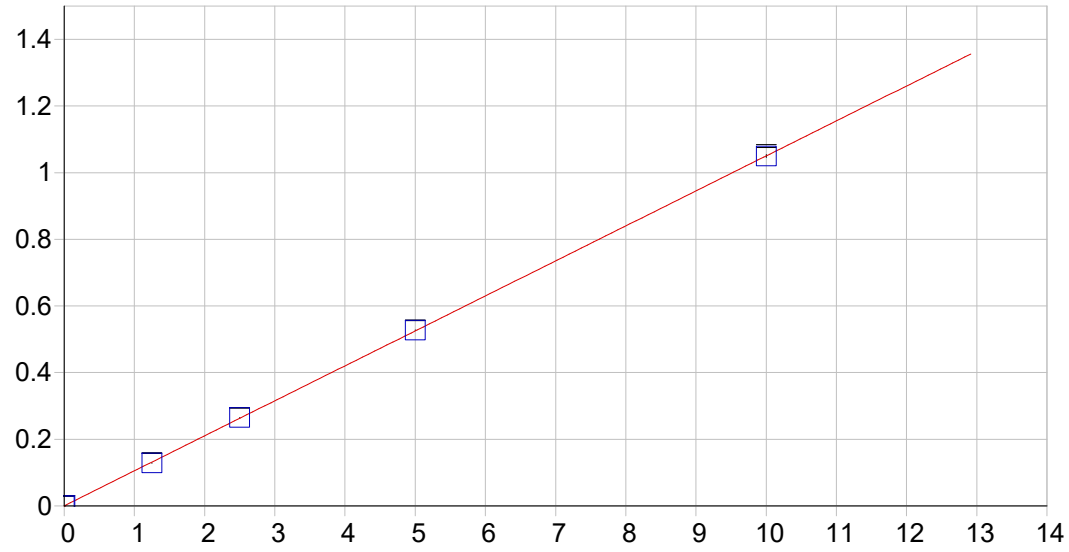

**Si 251.611 {134}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.017454 | Re-Slope: | 1.000000 |
| A1 (Gain): | 2.037573 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.995639 | Status: | OK. |
| Std Error of Est: | 0.010309 | | |
| Predicted MDL: | 0.000599 | | |
| Predicted MQL: | 0.001998 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00013 | -.000 | .000 | .01719 | .001 | 1 |
| S1 | .10000 | .22811 | .128 | 128. | .48361 | .002 | 1 |
| S2 | 1.2500 | 1.2499 | -.000 | -.011 | 2.6053 | .019 | 1 |
| S3 | 2.5000 | 2.5352 | .035 | 1.41 | 5.2655 | .028 | 1 |
| S4 | 5.0000 | 5.0662 | .066 | 1.32 | 10.505 | .008 | 1 |
| S5 | 10.000 | 9.7718 | -.228 | -2.28 | 20.258 | .113 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



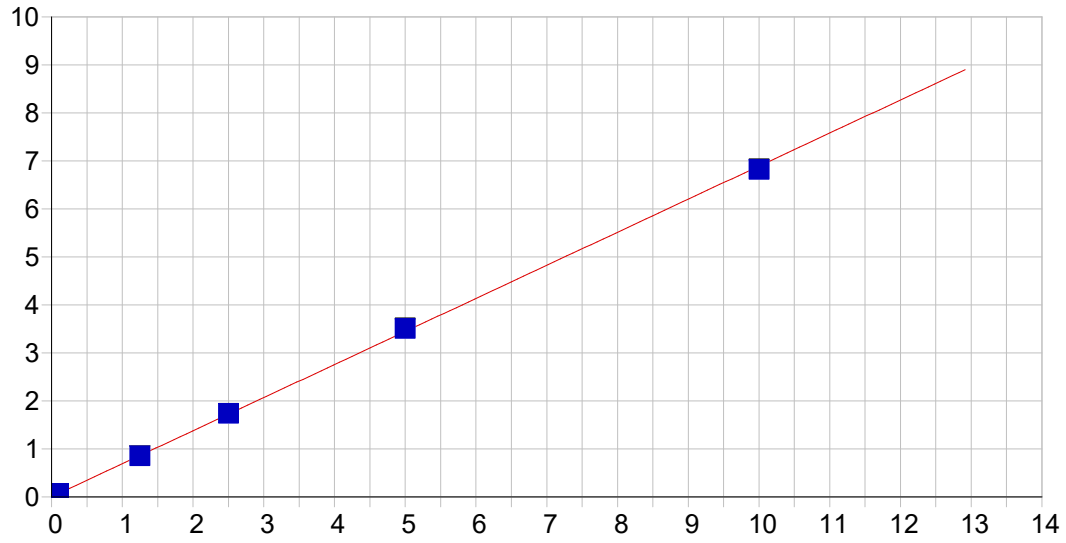

**Sn 189.989 {478}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.000306 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.104994 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999962 | Status: | OK. |
| Std Error of Est: | 0.000013 | | |
| Predicted MDL: | 0.001813 | | |
| Predicted MQL: | 0.006044 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | .00031 | .000 | 1 |
| S1 | .00700 | .00491 | -.002 | -29.8 | .00082 | .000 | 1 |
| S2 | 1.2500 | 1.2223 | -.028 | -2.22 | .12864 | .001 | 1 |
| S3 | 2.5000 | 2.5170 | .017 | .679 | .26457 | .001 | 1 |
| S4 | 5.0000 | 5.0180 | .018 | .361 | .52717 | .001 | 1 |
| S5 | 10.000 | 9.9948 | -.005 | -.052 | 1.0497 | .004 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



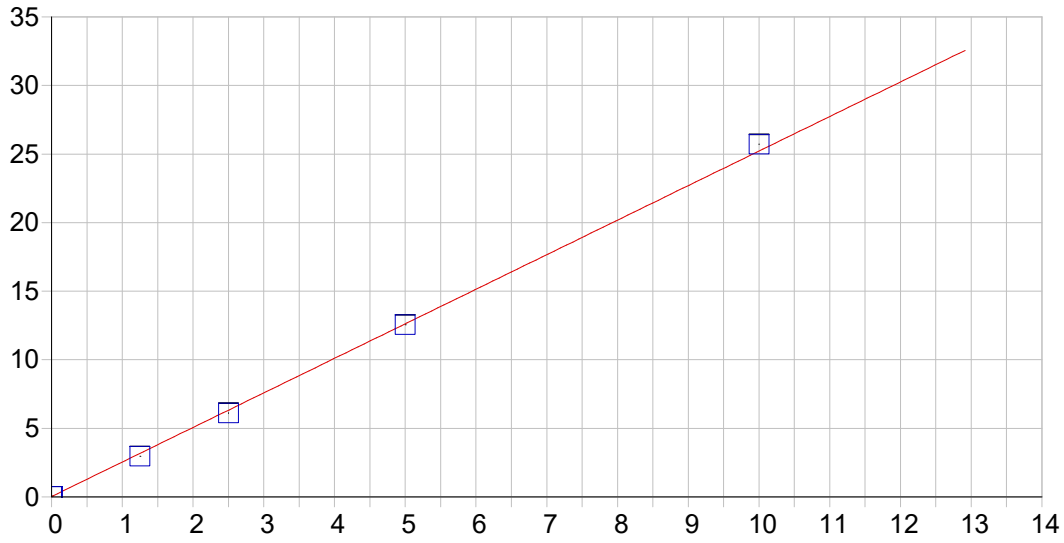

**Ti 336.121 {100}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.001728 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.688985 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999921 | Status: | OK. |
| Std Error of Est: | 0.000461 | | |
| Predicted MDL: | 0.001788 | | |
| Predicted MQL: | 0.005961 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00000 | -.000 | .000 | .00173 | .001 | 1 |
| S1 | .10000 | .10224 | .002 | 2.24 | .07215 | .001 | 1 |
| S2 | 1.2500 | 1.2403 | -.010 | -.775 | .85585 | .002 | 1 |
| S3 | 2.5000 | 2.5186 | .019 | .742 | 1.7361 | .006 | 1 |
| S4 | 5.0000 | 5.0915 | .091 | 1.83 | 3.5079 | .008 | 1 |
| S5 | 10.000 | 9.8974 | -.103 | -1.03 | 6.8175 | .010 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5



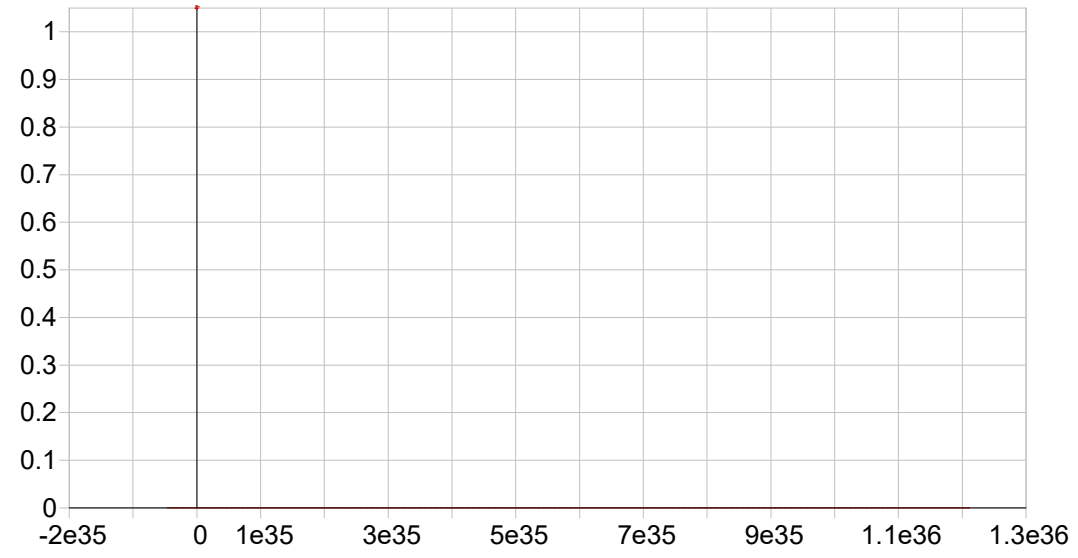

**Li 670.784 { 50}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.026106 | Re-Slope: | 1.000000 |
| A1 (Gain): | 2.519184 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999661 | Status: | OK. |
| Std Error of Est: | 0.001348 | | |
| Predicted MDL: | 0.001883 | | |
| Predicted MQL: | 0.006276 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | .02611 | .006 | 1 |
| S5 | 10.000 | 10.196 | .196 | 1.96 | 25.711 | .032 | 1 |
| S4 | 5.0000 | 4.9762 | -.024 | -.476 | 12.562 | .002 | 1 |
| S3 | 2.5000 | 2.4141 | -.086 | -3.44 | 6.1076 | .022 | 1 |
| S2 | 1.2500 | 1.1656 | -.084 | -6.76 | 2.9624 | .002 | 1 |
| S1 | .01500 | .01355 | -.001 | -9.68 | .06024 | .002 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

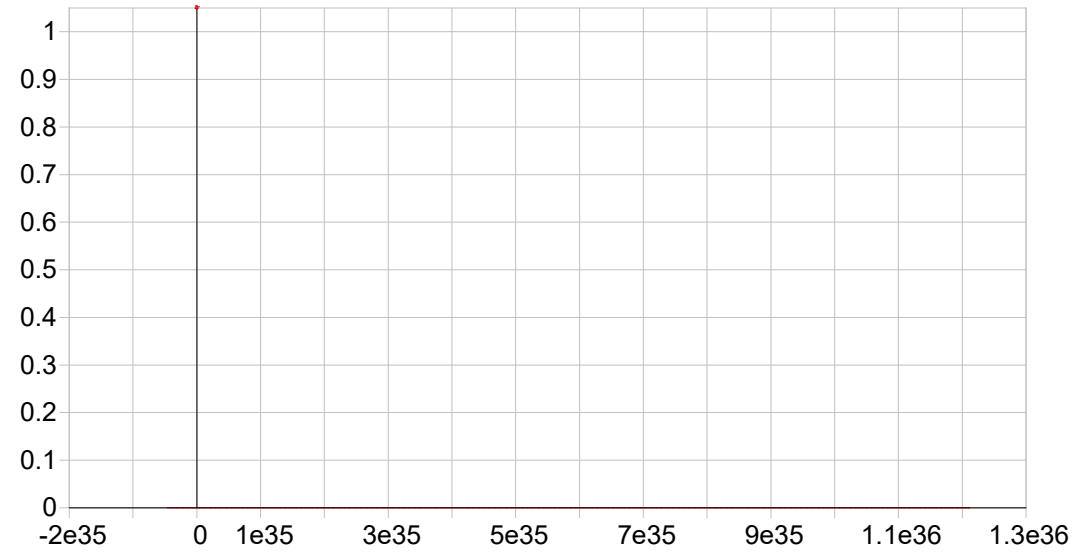



**Y 224.306 {450}***

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | <not fit> | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.000000 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.000000 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.000000 | Status: | Warning Zero Gain |
| Std Error of Est: | 0.000000 | | |
| Predicted MDL: | n/a | | |
| Predicted MQL: | n/a | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|




**Y 360.073 { 94}***

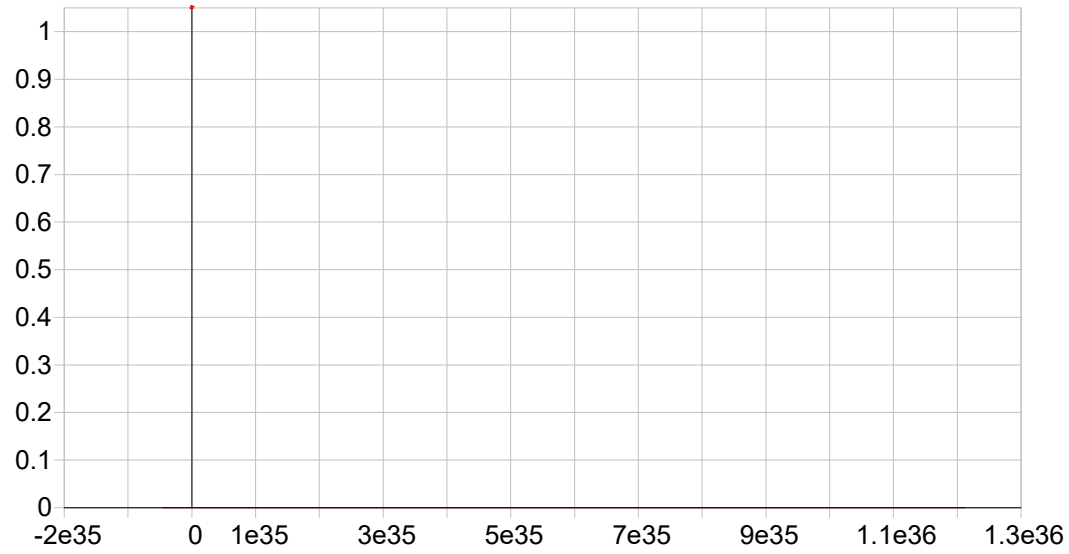
| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | <not fit> | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.000000 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.000000 | Y-int: | 0.000000 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

| | | | | | |
|---|---|---|---|---|---|
| A2 (Curvature): | 0.000000 | | | | |
| n (Exponent): | 1.000000 | | | | |
| Correlation: | 0.000000 | Status: | Warning | Zero Gain | |
| Std Error of Est: | 0.000000 | | | | |
| Predicted MDL: | n/a | | | | |
| Predicted MQL: | n/a | | | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|



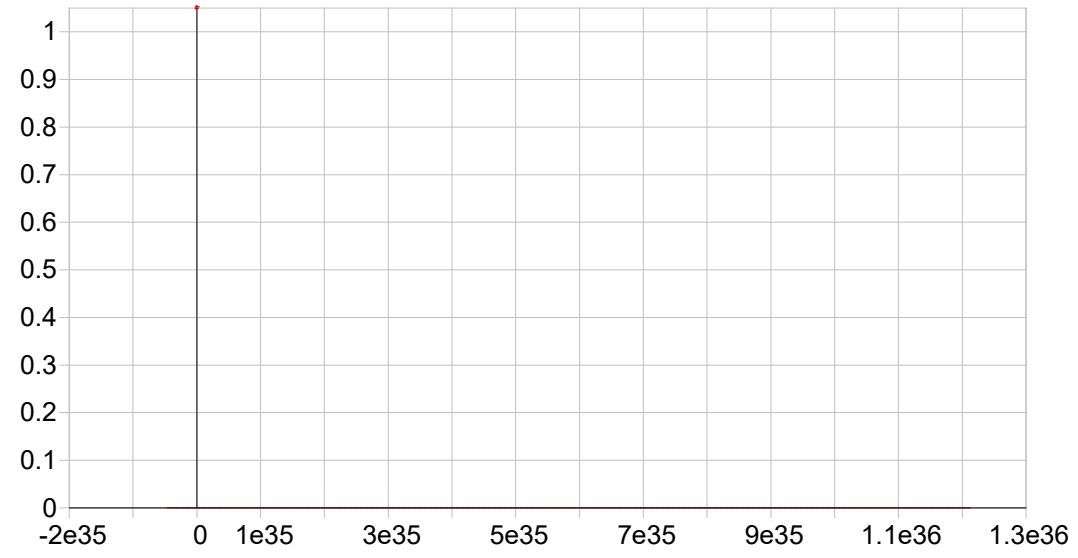

**Y 371.030 { 91}***

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | <not fit> | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.000000 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.000000 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.000000 | Status: | Warning Zero Gain |
| Std Error of Est: | 0.000000 | | |
| Predicted MDL: | n/a | | |
| Predicted MQL: | n/a | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|

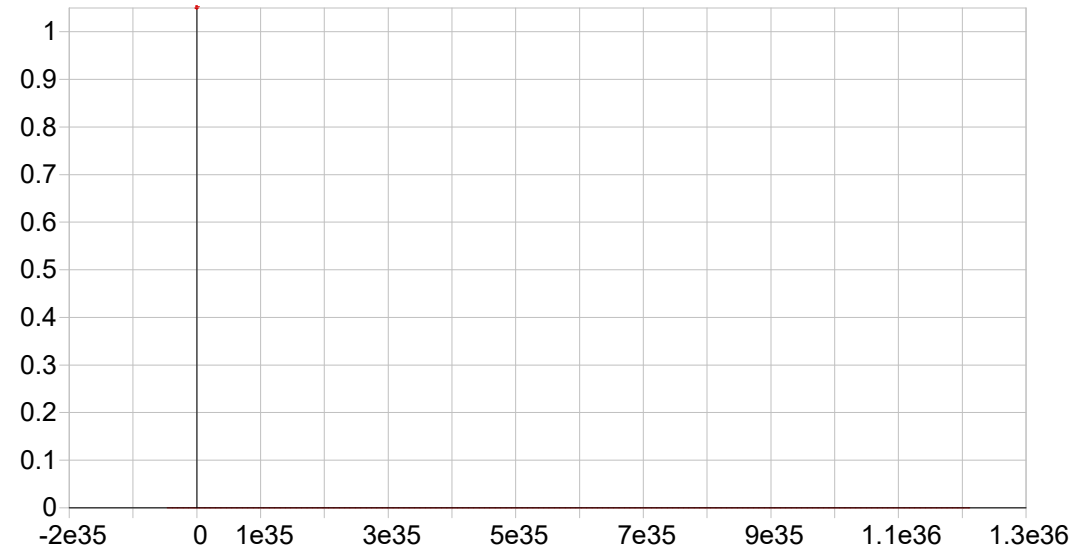
Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5




**Y 224.306 {150}***

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | <not fit> | Type of Fit: | Linear | Weighting: | 1/Conc |
| A0 (Offset): | 0.000000 | | Re-Slope: | 1.000000 | |
| A1 (Gain): | 0.000000 | | Y-int: | 0.000000 | |
| A2 (Curvature): | 0.000000 | | | | |
| n (Exponent): | 1.000000 | | | | |
| Correlation: | 0.000000 | | Status: | Warning | Zero Gain |
| Std Error of Est: | 0.000000 | | | | |
| Predicted MDL: | n/a | | | | |
| Predicted MQL: | n/a | | | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|



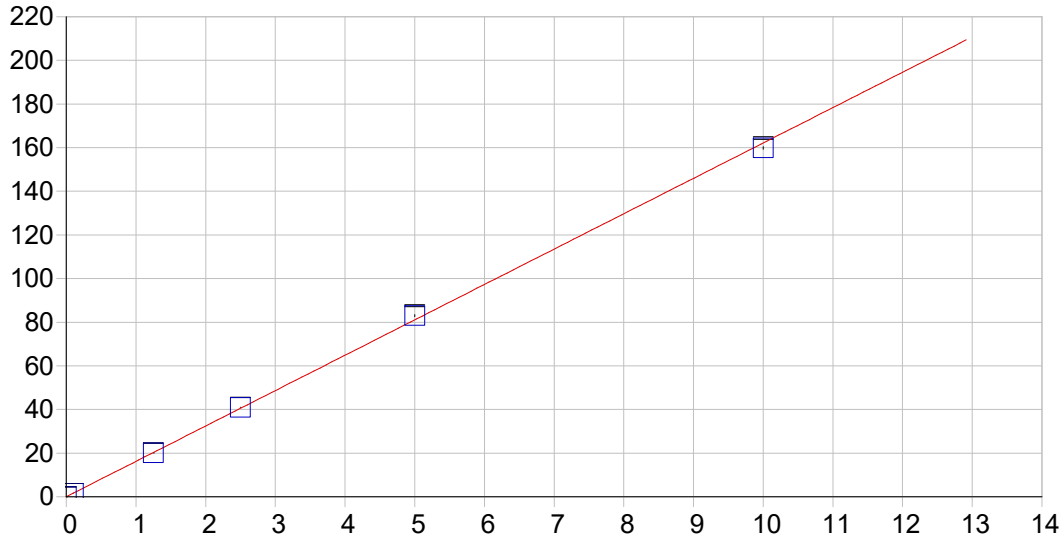

**In 230.606 {446}***

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | <not fit> | Type of Fit: | Linear | Weighting: | 1/Conc |
| A0 (Offset): | 0.000000 | | Re-Slope: | 1.000000 | |
| A1 (Gain): | 0.000000 | | Y-int: | 0.000000 | |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

| | | | | | |
|---|---|---|---|---|---|
| A2 (Curvature): | 0.000000 | | | | |
| n (Exponent): | 1.000000 | | | | |
| Correlation: | 0.000000 | Status: | Warning | Zero Gain | |
| Std Error of Est: | 0.000000 | | | | |
| Predicted MDL: | n/a | | | | |
| Predicted MQL: | n/a | | | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|




**Sr 407.771 { 83}**

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 10/26/2024 18:50:18 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.003097 | Re-Slope: | 1.000000 |
| A1 (Gain): | 16.213490 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999852 | Status: | OK. |
| Std Error of Est: | 0.014804 | | |
| Predicted MDL: | 0.000122 | | |
| Predicted MQL: | 0.000406 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00001 | -.000 | .000 | .00301 | .001 | 1 |
| S1 | .10000 | .10457 | .005 | 4.57 | 1.6986 | .012 | 1 |
| S2 | 1.2500 | 1.2371 | -.013 | -1.03 | 20.061 | .026 | 1 |
| S3 | 2.5000 | 2.5269 | .027 | 1.08 | 40.973 | .122 | 1 |
| S4 | 5.0000 | 5.1217 | .122 | 2.43 | 83.044 | .477 | 1 |
| S5 | 10.000 | 9.8597 | -.140 | -1.40 | 159.86 | .644 | 1 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S0 Acquired: 10/26/2024 18:18:36 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S0 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .00017 | -.00043 | -.00048 | .00023 | -.00013 | -.00457 | -.00132 | -.00196 |
| Stddev | .00001 | .00001 | .00020 | .00003 | .00015 | .00182 | .00223 | .00063 |
| %RSD | 8.4681 | 3.0789 | 42.388 | 12.161 | 115.66 | 39.904 | 168.65 | 32.302 |
| #1 | .00017 | -.00045 | -.00034 | .00021 | -.00010 | -.00379 | .00115 | -.00269 |
| #2 | .00018 | -.00042 | -.00040 | .00026 | .00001 | -.00326 | -.00317 | -.00157 |
| #3 | .00015 | -.00043 | -.00072 | .00024 | -.00028 | -.00665 | -.00195 | -.00162 |

| Elem | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .00092 | .00612 | -.00011 | -.00049 | .00159 | .00033 | -.00022 | -.00032 |
| Stddev | .00043 | .00114 | .00013 | .00009 | .00053 | .00017 | .00056 | .00059 |
| %RSD | 47.072 | 18.674 | 126.02 | 19.120 | 33.420 | 49.995 | 257.27 | 181.38 |
| #1 | .00129 | .00484 | -.00025 | -.00060 | .00210 | .00037 | -.00043 | .00002 |
| #2 | .00101 | .00705 | -.00009 | -.00045 | .00104 | .00048 | .00042 | .00001 |
| #3 | .00045 | .00646 | .00002 | -.00043 | .00164 | .00015 | -.00064 | -.00100 |

| Elem | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -.00066 | .02792 | -.01250 | -.00156 | .00249 | .09228 | -.00116 | .01370 |
| Stddev | .00011 | .00015 | .00127 | .00019 | .00036 | .00159 | .00013 | .00107 |
| %RSD | 16.321 | .52783 | 10.183 | 12.048 | 14.376 | 1.7281 | 10.961 | 7.8265 |
| #1 | -.00057 | .02775 | -.01202 | -.00159 | .00268 | .09364 | -.00130 | .01416 |
| #2 | -.00064 | .02802 | -.01154 | -.00173 | .00271 | .09268 | -.00106 | .01445 |
| #3 | -.00078 | .02799 | -.01395 | -.00135 | .00208 | .09053 | -.00113 | .01247 |

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -.00038 | .00036 | .01719 | .00031 | .00173 | .02611 | .00301 |
| Stddev | .00031 | .00020 | .00064 | .00006 | .00117 | .00560 | .00134 |
| %RSD | 83.128 | 54.604 | 3.7427 | 21.007 | 67.890 | 21.463 | 44.573 |
| #1 | -.00056 | .00028 | .01793 | .00026 | .00286 | .02885 | .00429 |
| #2 | -.00002 | .00058 | .01678 | .00028 | .00052 | .01967 | .00310 |
| #3 | -.00056 | .00021 | .01687 | .00038 | .00180 | .02982 | .00162 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S0 Acquired: 10/26/2024 18:18:36 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S0 Custom ID2: Custom ID3:
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 966.15 | 21704. | 1987.1 | 794.89 | 1784.5 |
| Stddev | .60 | 20. | 12.2 | 2.88 | 2.0 |
| %RSD | .06218 | .09022 | .61497 | .36249 | .11206 |
| | | | | | |
| #1 | 965.47 | 21701. | 1987.1 | 797.38 | 1782.4 |
| #2 | 966.37 | 21725. | 1999.2 | 791.73 | 1786.4 |
| #3 | 966.60 | 21686. | 1974.8 | 795.56 | 1784.7 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S1 Acquired: 10/26/2024 18:23:16 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S01 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .00055 | .00155 | .00129 | .00276 | .01158 | .02741 | 1.5773 | .04690 |
| Stddev | .00007 | .00014 | .00042 | .00038 | .00058 | .00088 | .0058 | .00040 |
| %RSD | 12.197 | 8.8893 | 32.772 | 13.935 | 4.9793 | 3.2063 | .36977 | .85606 |
| | | | | | | | | |
| #1 | .00053 | .00170 | .00157 | .00307 | .01188 | .02663 | 1.5833 | .04655 |
| #2 | .00062 | .00150 | .00080 | .00233 | .01091 | .02723 | 1.5716 | .04734 |
| #3 | .00049 | .00144 | .00151 | .00287 | .01194 | .02837 | 1.5771 | .04680 |

| Elem | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .01256 | .54500 | .00205 | .03425 | .00837 | .00270 | .00708 | .04306 |
| Stddev | .00020 | .00586 | .00007 | .00055 | .00095 | .00047 | .00055 | .00078 |
| %RSD | 1.5629 | 1.0754 | 3.3989 | 1.5991 | 11.367 | 17.205 | 7.7711 | 1.8017 |
| | | | | | | | | |
| #1 | .01268 | .55117 | .00197 | .03373 | .00850 | .00324 | .00672 | .04364 |
| #2 | .01265 | .54432 | .00210 | .03420 | .00736 | .00240 | .00680 | .04218 |
| #3 | .01233 | .53950 | .00209 | .03482 | .00925 | .00247 | .00771 | .04337 |

| Elem | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .02702 | .03192 | .06580 | .00528 | .17190 | .32246 | -.00066 | .01194 |
| Stddev | .00044 | .00018 | .00257 | .00026 | .00157 | .00470 | .00008 | .00048 |
| %RSD | 1.6451 | .57845 | 3.9014 | 4.9900 | .91390 | 1.4573 | 12.384 | 4.0028 |
| | | | | | | | | |
| #1 | .02693 | .03213 | .06309 | .00553 | .17365 | .31911 | -.00074 | .01165 |
| #2 | .02663 | .03183 | .06613 | .00531 | .17060 | .32042 | -.00058 | .01168 |
| #3 | .02751 | .03180 | .06820 | .00501 | .17146 | .32783 | -.00067 | .01249 |

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .00928 | .00286 | .48361 | .00082 | .07215 | .06024 | 1.6986 |
| Stddev | .00060 | .00006 | .00164 | .00020 | .00114 | .00179 | .0122 |
| %RSD | 6.4404 | 2.0558 | .33961 | 24.807 | 1.5773 | 2.9796 | .71886 |
| | | | | | | | |
| #1 | .00996 | .00284 | .48506 | .00099 | .07249 | .05854 | 1.7112 |
| #2 | .00881 | .00292 | .48182 | .00088 | .07307 | .06006 | 1.6868 |
| #3 | .00908 | .00281 | .48394 | .00059 | .07088 | .06212 | 1.6977 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S1 Acquired: 10/26/2024 18:23:16 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S01 Custom ID2: Custom ID3:
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 966.93 | 21755. | 2049.3 | 800.35 | 1763.9 |
| Stddev | 2.42 | 23. | 10.9 | 1.56 | 1.7 |
| %RSD | .24983 | .10351 | .52982 | .19477 | .09559 |
| | | | | | |
| #1 | 965.06 | 21777. | 2037.5 | 799.50 | 1765.2 |
| #2 | 969.66 | 21732. | 2058.8 | 802.15 | 1764.5 |
| #3 | 966.07 | 21756. | 2051.7 | 799.41 | 1762.0 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S2 Acquired: 10/26/2024 18:27:52 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S02 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .03854 | .09962 | .91077 | .08855 | .23731 | 5.6916 | 18.668 | 1.1597 |
| Stddev | .00023 | .00087 | .00263 | .00051 | .00166 | .0040 | .051 | .0020 |
| %RSD | .59142 | .87741 | .28914 | .57481 | .69842 | .06961 | .27397 | .17608 |
| | | | | | | | | |
| #1 | .03828 | .09882 | .90954 | .08796 | .23678 | 5.6937 | 18.676 | 1.1574 |
| #2 | .03873 | .10055 | .90898 | .08876 | .23917 | 5.6871 | 18.613 | 1.1601 |
| #3 | .03860 | .09950 | .91379 | .08891 | .23599 | 5.6941 | 18.715 | 1.1614 |

| Elem | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1.3908 | 6.2592 | .82740 | .42554 | .92460 | .74458 | 1.5853 | .47862 |
| Stddev | .0018 | .0111 | .00146 | .00136 | .00305 | .00713 | .0019 | .00120 |
| %RSD | .13002 | .17727 | .17661 | .31865 | .32975 | .95788 | .12250 | .25084 |
| | | | | | | | | |
| #1 | 1.3893 | 6.2585 | .82906 | .42398 | .92564 | .73857 | 1.5847 | .47751 |
| #2 | 1.3904 | 6.2486 | .82681 | .42645 | .92699 | .74271 | 1.5837 | .47846 |
| #3 | 1.3928 | 6.2707 | .82632 | .42618 | .92116 | .75247 | 1.5874 | .47989 |

| Elem | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .40617 | .13945 | .57064 | .06306 | 10.158 | 1.7634 | .06595 | 1.5792 |
| Stddev | .00084 | .00055 | .00082 | .00152 | .021 | .0017 | .00031 | .0073 |
| %RSD | .20797 | .39764 | .14439 | 2.4039 | .20236 | .09400 | .47413 | .46175 |
| | | | | | | | | |
| #1 | .40522 | .13984 | .57151 | .06213 | 10.136 | 1.7645 | .06562 | 1.5734 |
| #2 | .40647 | .13970 | .56988 | .06481 | 10.177 | 1.7615 | .06624 | 1.5769 |
| #3 | .40683 | .13882 | .57053 | .06224 | 10.161 | 1.7643 | .06600 | 1.5874 |

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1.1191 | .03353 | 2.6053 | .12864 | .85585 | 2.9624 | 20.061 |
| Stddev | .0038 | .00026 | .0189 | .00094 | .00167 | .0021 | .026 |
| %RSD | .33674 | .76314 | .72429 | .73270 | .19478 | .07024 | .12770 |
| | | | | | | | |
| #1 | 1.1157 | .03358 | 2.5935 | .12792 | .85595 | 2.9611 | 20.047 |
| #2 | 1.1184 | .03326 | 2.5954 | .12829 | .85414 | 2.9612 | 20.045 |
| #3 | 1.1232 | .03377 | 2.6271 | .12971 | .85747 | 2.9648 | 20.090 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S2 Acquired: 10/26/2024 18:27:52 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S02 Custom ID2: Custom ID3:
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 916.52 | 21410. | 2054.7 | 753.76 | 1603.0 |
| Stddev | .80 | 84. | 1.1 | 1.71 | 1.2 |
| %RSD | .08681 | .39316 | .05499 | .22677 | .07620 |
| | | | | | |
| #1 | 916.79 | 21321. | 2054.9 | 752.42 | 1602.4 |
| #2 | 917.16 | 21422. | 2055.6 | 753.17 | 1604.4 |
| #3 | 915.63 | 21488. | 2053.4 | 755.69 | 1602.2 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S3 Acquired: 10/26/2024 18:32:11 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S03 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .07973 | .19995 | 1.8541 | .18426 | .49420 | 11.690 | 38.096 | 2.3631 |
| Stddev | .00026 | .00074 | .0039 | .00098 | .00064 | .028 | .075 | .0106 |
| %RSD | .33064 | .37029 | .21024 | .53129 | .12857 | .23662 | .19565 | .44739 |
| | | | | | | | | |
| #1 | .07944 | .20005 | 1.8507 | .18313 | .49396 | 11.689 | 38.129 | 2.3677 |
| #2 | .07996 | .20063 | 1.8533 | .18474 | .49492 | 11.718 | 38.149 | 2.3706 |
| #3 | .07980 | .19916 | 1.8584 | .18490 | .49372 | 11.662 | 38.011 | 2.3510 |

| Elem | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.8276 | 12.664 | 1.6614 | .87075 | 1.8824 | 1.4971 | 3.1898 | .98687 |
| Stddev | .0047 | .019 | .0030 | .00035 | .0094 | .0040 | .0092 | .00268 |
| %RSD | .16774 | .15008 | .18087 | .04004 | .49821 | .26581 | .28864 | .27119 |
| | | | | | | | | |
| #1 | 2.8247 | 12.654 | 1.6648 | .87084 | 1.8825 | 1.5010 | 3.1991 | .98734 |
| #2 | 2.8251 | 12.686 | 1.6592 | .87037 | 1.8917 | 1.4972 | 3.1897 | .98928 |
| #3 | 2.8331 | 12.651 | 1.6601 | .87105 | 1.8729 | 1.4931 | 3.1807 | .98399 |

| Elem | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .82609 | .25492 | 1.1825 | .12966 | 20.986 | 3.5739 | .13982 | 3.2125 |
| Stddev | .00180 | .00035 | .0028 | .00184 | .100 | .0175 | .00051 | .0218 |
| %RSD | .21796 | .13621 | .24042 | 1.4212 | .47839 | .48979 | .36329 | .67760 |
| | | | | | | | | |
| #1 | .82516 | .25516 | 1.1793 | .12846 | 21.102 | 3.5815 | .13931 | 3.2157 |
| #2 | .82494 | .25509 | 1.1847 | .13178 | 20.936 | 3.5863 | .13984 | 3.2325 |
| #3 | .82816 | .25453 | 1.1836 | .12873 | 20.921 | 3.5539 | .14032 | 3.1893 |

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.3173 | .07028 | 5.2655 | .26457 | 1.7361 | 6.1076 | 40.973 |
| Stddev | .0017 | .00046 | .0284 | .00059 | .0056 | .0217 | .122 |
| %RSD | .07154 | .65814 | .53976 | .22459 | .32264 | .35501 | .29888 |
| | | | | | | | |
| #1 | 2.3191 | .07077 | 5.2728 | .26423 | 1.7317 | 6.1251 | 41.005 |
| #2 | 2.3158 | .06984 | 5.2896 | .26422 | 1.7424 | 6.1143 | 41.077 |
| #3 | 2.3172 | .07024 | 5.2342 | .26526 | 1.7342 | 6.0834 | 40.838 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S3 Acquired: 10/26/2024 18:32:11 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S03 Custom ID2: Custom ID3:
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 869.11 | 20962. | 2015.5 | 709.43 | 1518.4 |
| Stddev | 1.26 | 38. | 4.1 | 3.26 | 1.6 |
| %RSD | .14481 | .17959 | .20177 | .46003 | .10615 |
| | | | | | |
| #1 | 867.69 | 20941. | 2014.8 | 705.67 | 1517.9 |
| #2 | 869.57 | 21005. | 2011.9 | 711.53 | 1520.3 |
| #3 | 870.08 | 20939. | 2019.9 | 711.08 | 1517.2 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S4 Acquired: 10/26/2024 18:36:27 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .16303 | .38947 | 3.6760 | .38066 | 1.0376 | 24.003 | 76.583 | 4.6861 |
| Stddev | .00056 | .00062 | .0021 | .00182 | .0024 | .014 | .074 | .0105 |
| %RSD | .34429 | .15796 | .05651 | .47783 | .22613 | .05688 | .09652 | .22476 |
| #1 | .16239 | .38974 | 3.6761 | .38093 | 1.0385 | 23.996 | 76.664 | 4.6798 |
| #2 | .16328 | .38876 | 3.6739 | .37872 | 1.0349 | 23.993 | 76.519 | 4.6983 |
| #3 | .16343 | .38989 | 3.6781 | .38233 | 1.0393 | 24.018 | 76.568 | 4.6803 |

| Elem | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 5.5666 | 25.385 | 3.2495 | 1.7377 | 3.8340 | 2.9590 | 6.2902 | 2.0140 |
| Stddev | .0081 | .020 | .0076 | .0003 | .0049 | .0024 | .0054 | .0032 |
| %RSD | .14556 | .07838 | .23349 | .01716 | .12838 | .08248 | .08641 | .15722 |
| #1 | 5.5753 | 25.408 | 3.2513 | 1.7380 | 3.8360 | 2.9593 | 6.2961 | 2.0159 |
| #2 | 5.5592 | 25.378 | 3.2412 | 1.7376 | 3.8283 | 2.9613 | 6.2890 | 2.0104 |
| #3 | 5.5654 | 25.370 | 3.2561 | 1.7374 | 3.8375 | 2.9565 | 6.2854 | 2.0159 |

| Elem | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1.6360 | .47776 | 2.4303 | .25943 | 43.884 | 7.3253 | .28650 | 6.4202 |
| Stddev | .0002 | .00025 | .0067 | .00175 | .082 | .0086 | .00086 | .0059 |
| %RSD | .01308 | .05159 | .27510 | .67507 | .18644 | .11728 | .30098 | .09154 |
| #1 | 1.6358 | .47775 | 2.4374 | .26142 | 43.793 | 7.3167 | .28554 | 6.4202 |
| #2 | 1.6362 | .47801 | 2.4242 | .25870 | 43.908 | 7.3339 | .28673 | 6.4144 |
| #3 | 1.6359 | .47752 | 2.4292 | .25815 | 43.952 | 7.3253 | .28721 | 6.4261 |

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 4.7940 | .14367 | 10.505 | .52717 | 3.5079 | 12.562 | 83.044 |
| Stddev | .0186 | .00024 | .008 | .00054 | .0076 | .002 | .477 |
| %RSD | .38728 | .16471 | .07925 | .10192 | .21624 | .01764 | .57429 |
| #1 | 4.7949 | .14382 | 10.497 | .52691 | 3.5018 | 12.561 | 83.180 |
| #2 | 4.7749 | .14380 | 10.504 | .52681 | 3.5164 | 12.561 | 82.514 |
| #3 | 4.8120 | .14340 | 10.514 | .52778 | 3.5057 | 12.565 | 83.438 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S4 Acquired: 10/26/2024 18:36:27 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 798.55 | 20412. | 1946.7 | 628.27 | 1428.8 |
| Stddev | 1.68 | 65. | 4.1 | .69 | 1.4 |
| %RSD | .20994 | .32032 | .21244 | .10964 | .09649 |
| | | | | | |
| #1 | 797.81 | 20343. | 1942.4 | 627.54 | 1427.6 |
| #2 | 800.48 | 20473. | 1950.6 | 628.91 | 1428.6 |
| #3 | 797.38 | 20419. | 1947.0 | 628.37 | 1430.3 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S5 Acquired: 10/26/2024 18:40:44 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S05 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .33813 | .75385 | 7.3413 | .83513 | 2.3292 | 47.852 | 149.19 | 9.0551 |
| Stddev | .00079 | .00168 | .0213 | .00286 | .0054 | .131 | 1.22 | .0722 |
| %RSD | .23476 | .22282 | .28992 | .34264 | .23165 | .27392 | .81810 | .79700 |
| #1 | .33799 | .75379 | 7.3342 | .83350 | 2.3300 | 47.982 | 150.56 | 9.0725 |
| #2 | .33742 | .75220 | 7.3246 | .83844 | 2.3341 | 47.856 | 148.81 | 9.1170 |
| #3 | .33898 | .75556 | 7.3653 | .83346 | 2.3234 | 47.719 | 148.21 | 8.9758 |

| Elem | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 10.919 | 49.834 | 6.3006 | 3.4455 | 7.4642 | 5.6841 | 12.134 | 4.0148 |
| Stddev | .025 | .086 | .0080 | .0089 | .0263 | .0051 | .027 | .0059 |
| %RSD | .22951 | .17185 | .12645 | .25740 | .35281 | .09017 | .22128 | .14579 |
| #1 | 10.906 | 49.925 | 6.2915 | 3.4432 | 7.4845 | 5.6898 | 12.158 | 4.0199 |
| #2 | 10.903 | 49.822 | 6.3036 | 3.4380 | 7.4738 | 5.6828 | 12.140 | 4.0160 |
| #3 | 10.948 | 49.755 | 6.3066 | 3.4553 | 7.4345 | 5.6798 | 12.105 | 4.0084 |

| Elem | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 3.2286 | .95057 | 4.8143 | .50482 | 96.523 | 14.560 | .58625 | 12.226 |
| Stddev | .0080 | .00324 | .0070 | .00356 | .298 | .043 | .00152 | .075 |
| %RSD | .24856 | .34103 | .14618 | .70535 | .30853 | .29515 | .25978 | .61205 |
| #1 | 3.2258 | .95155 | 4.8198 | .50850 | 96.765 | 14.599 | .58495 | 12.287 |
| #2 | 3.2223 | .95322 | 4.8167 | .50139 | 96.614 | 14.567 | .58588 | 12.247 |
| #3 | 3.2376 | .94696 | 4.8064 | .50456 | 96.191 | 14.514 | .58793 | 12.142 |

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 10.396 | .29984 | 20.258 | 1.0497 | 6.8175 | 25.711 | 159.86 |
| Stddev | .037 | .00047 | .113 | .0043 | .0101 | .032 | .64 |
| %RSD | .35610 | .15549 | .55586 | .40961 | .14816 | .12306 | .40309 |
| #1 | 10.397 | .29971 | 20.343 | 1.0483 | 6.8206 | 25.728 | 159.21 |
| #2 | 10.432 | .29945 | 20.300 | 1.0463 | 6.8256 | 25.730 | 159.87 |
| #3 | 10.358 | .30036 | 20.130 | 1.0545 | 6.8062 | 25.674 | 160.50 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S5 Acquired: 10/26/2024 18:40:44 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S05 Custom ID2: Custom ID3:
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 687.58 | 19701. | 1953.5 | 501.72 | 1324.5 |
| Stddev | 2.49 | 5. | 8.4 | 1.52 | 3.6 |
| %RSD | .36214 | .02340 | .42901 | .30388 | .27338 |
| | | | | | |
| #1 | 688.65 | 19702. | 1945.6 | 500.10 | 1328.0 |
| #2 | 684.73 | 19696. | 1952.6 | 501.94 | 1324.8 |
| #3 | 689.35 | 19706. | 1962.3 | 503.13 | 1320.8 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: S6 Acquired: 10/26/2024 18:45:13 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S06 Custom ID2: Custom ID3:
Comment:

| Elem | Al3961 | Ca3736 | Fe2598 | Mg2790 | Na8183 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 120.10 | 76.890 | 14.474 | 6.2304 | 12.756 |
| Stddev | 1.00 | .135 | .017 | .0203 | .003 |
| %RSD | .83269 | .17561 | .11966 | .32510 | .02641 |
| | | | | | |
| #1 | 118.95 | 76.772 | 14.456 | 6.2089 | 12.753 |
| #2 | 120.57 | 76.860 | 14.476 | 6.2492 | 12.757 |
| #3 | 120.78 | 77.037 | 14.490 | 6.2331 | 12.759 |

| Int. Std. | Y_3710 |
|---|---|
| Units | Cts/S |
| Avg | 1939.8 |
| Stddev | 4.5 |
| %RSD | .23281 |
| | |
| #1 | 1945.0 |
| #2 | 1936.6 |
| #3 | 1937.9 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: ICV002 Acquired: 10/26/2024 19:13:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV002 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 1.093074 | 1.043402 | .9759432 | 1.067101 | 1.038746 | 2.380942 |
| Stddev | .009939 | .010168 | .0017683 | .007788 | .001074 | .022187 |
| %RSD | .9093140 | .9745137 | .1811942 | .7298707 | .1033565 | .9318742 |
| | | | | | | |
| #1 | 1.082717 | 1.039020 | .9743846 | 1.063815 | 1.039744 | 2.382736 |
| #2 | 1.102535 | 1.036159 | .9755802 | 1.075994 | 1.037610 | 2.357912 |
| #3 | 1.093971 | 1.055026 | .9778649 | 1.061495 | 1.038885 | 2.402178 |

| Elem | Ba4934 | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .5066314 | .5282168 | .4976522 | 10.05755 | .5563626 | .4938807 |
| Stddev | .0065784 | .0024192 | .0008761 | .13528 | .0008534 | .0009322 |
| %RSD | 1.298448 | .4579995 | .1760413 | 1.345089 | .1533849 | .1887557 |
| | | | | | | |
| #1 | .5096952 | .5291243 | .4986608 | 10.12662 | .5569412 | .4948374 |
| #2 | .4990801 | .5254751 | .4970799 | 9.90168 | .5553825 | .4938298 |
| #3 | .5111191 | .5300511 | .4972160 | 10.14436 | .5567640 | .4929750 |

| Elem | Cu3247 | Fe2598 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .4918290 | 10.82150 | .5276314 | 5.773014 | .5040119 | .2398333 |
| Stddev | .0099449 | .07531 | .0072638 | .119532 | .0006989 | .0011374 |
| %RSD | 2.022017 | .6958972 | 1.376686 | 2.070527 | .1386690 | .4742516 |
| | | | | | | |
| #1 | .4898534 | 10.84914 | .5270279 | 5.681409 | .5044585 | .2385635 |
| #2 | .4830203 | 10.73628 | .5206882 | 5.729406 | .5043707 | .2401774 |
| #3 | .5026135 | 10.87908 | .5351782 | 5.908227 | .5032065 | .2407589 |

| Elem | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 9.386458 | .5369256 | 1.042202 | 9.125805 | F .0051519 | F .0067337 |
| Stddev | .333024 | .0116349 | .007563 | .117595 | .0010964 | .0007890 |
| %RSD | 3.547924 | 2.166952 | .7257063 | 1.288596 | 21.28114 | 11.71667 |
| | | | | | | |
| #1 | 9.126789 | .5495505 | 1.043366 | 9.104404 | .0041091 | .0069425 |
| #2 | 9.761923 | .5345917 | 1.049116 | 9.020381 | .0062950 | .0073973 |
| #3 | 9.270662 | .5266345 | 1.034125 | 9.252631 | .0050516 | .0058613 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: ICV002 Acquired: 10/26/2024 19:13:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV002 Custom ID2: Custom ID3:
Comment:

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | F .0001646 | F -.000461 | F -.001582 | F .0013001 | F -.003224 | F -.005192 |
| Stddev | .0003510 | .000935 | .000578 | .0010765 | .000621 | .000277 |
| %RSD | 213.2458 | 202.8814 | 36.55968 | 82.80816 | 19.27546 | 5.337916 |
| #1 | -.000225 | .000043 | -.001826 | .0023639 | -.003539 | -.004900 |
| #2 | .000456 | -.001539 | -.000922 | .0013250 | -.003624 | -.005452 |
| #3 | .000263 | .000114 | -.001999 | .0002112 | -.002508 | -.005224 |

| Elem | Sr4077 |
|---|---|
| Units | ppm |
| Avg | F .0012684 |
| Stddev | .0000842 |
| %RSD | 6.638539 |
| #1 | .0013604 |
| #2 | .0011952 |
| #3 | .0012496 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 959.3705 | 21752.40 | 2023.222 | 796.4716 | 1736.334 |
| Stddev | 3.0588 | 66.30 | 14.423 | 4.6267 | 3.918 |
| %RSD | .3188311 | .3047797 | .7128714 | .5808980 | .2256462 |
| #1 | 956.6391 | 21691.25 | 2014.331 | 795.0599 | 1732.941 |
| #2 | 958.7969 | 21822.86 | 2039.863 | 792.7152 | 1735.439 |
| #3 | 962.6754 | 21743.09 | 2015.471 | 801.6397 | 1740.622 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: ICB002 Acquired: 10/26/2024 19:19:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB002 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000645 | .0031240 | -.003269 | -.002736 | .0006231 | -.007186 | -.000176 |
| Stddev | .002476 | .0030704 | .002894 | .002909 | .0010248 | .003390 | .000115 |
| %RSD | 384.1088 | 98.28621 | 88.54156 | 106.3109 | 164.4797 | 47.16759 | 65.33065 |
| #1 | -.002033 | .0034866 | -.003380 | -.006092 | .0017459 | -.008825 | -.000219 |
| #2 | -.002115 | -.000112 | -.006106 | -.001182 | -.000262 | -.003289 | -.000046 |
| #3 | .002214 | .005997 | -.000321 | -.000935 | .000385 | -.009445 | -.000264 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000100 | -.000024 | -.004575 | -.000654 | -.000135 | .0028615 | .0029208 |
| Stddev | .000139 | .000032 | .007594 | .000722 | .000170 | .0026833 | .0179285 |
| %RSD | 138.5013 | 132.6435 | 165.9858 | 110.4078 | 126.1423 | 93.77383 | 613.8328 |
| #1 | -.000213 | -.000018 | -.006703 | -.001437 | -.000045 | -.000024 | .0214668 |
| #2 | -.000144 | -.000059 | .003856 | -.000013 | -.000331 | .005281 | -.014319 |
| #3 | .000055 | .000004 | -.010878 | -.000513 | -.000028 | .003327 | .001614 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.001671 | .0194944 | .0002731 | -.000244 | -.343509 | .0086834 | -.000318 |
| Stddev | .000941 | .0597441 | .0001940 | .000868 | .231024 | .0111869 | .000190 |
| %RSD | 56.27776 | 306.4678 | 71.03274 | 355.1731 | 67.25419 | 128.8308 | 59.84239 |
| #1 | -.002757 | -.009800 | .0000907 | .000758 | -.477925 | .0045368 | -.000104 |
| #2 | -.001124 | .088232 | .0002516 | -.000712 | -.076748 | .0001618 | -.000380 |
| #3 | -.001132 | -.019949 | .0004769 | -.000779 | -.475854 | .0213516 | -.000469 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.239331 | -.000145 | -.003731 | .0002187 | -.000073 | -.002721 | .0021391 |
| Stddev | .075386 | .000322 | .000439 | .0003715 | .002864 | .000408 | .0008855 |
| %RSD | 31.49867 | 221.7208 | 11.76929 | 169.8711 | 3932.803 | 15.00171 | 41.39872 |
| #1 | -.228792 | -.000173 | -.004176 | -.000101 | .001977 | -.002529 | .0016499 |
| #2 | -.319432 | -.000453 | -.003718 | .000626 | .001150 | -.002445 | .0016060 |
| #3 | -.169769 | .000190 | -.003298 | .000131 | -.003345 | -.003190 | .0031613 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: ICB002 Acquired: 10/26/2024 19:19:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB002 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | -.000367 | -.005683 | -.000022 |
| Stddev | .000908 | .001077 | .000053 |
| %RSD | 247.7813 | 18.94641 | 241.4077 |
| | | | |
| #1 | -.000414 | -.006925 | -.000051 |
| #2 | .000565 | -.005021 | -.000055 |
| #3 | -.001250 | -.005102 | .000039 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 961.9019 | 21709.99 | 2056.873 | 798.3908 | 1766.515 |
| Stddev | 2.9860 | 110.20 | 9.458 | .5535 | 3.159 |
| %RSD | .3104286 | .5076029 | .4598188 | .0693318 | .1788416 |
| | | | | | |
| #1 | 965.1794 | 21595.11 | 2053.421 | 798.3017 | 1769.586 |
| #2 | 961.1904 | 21720.04 | 2049.625 | 798.9835 | 1766.686 |
| #3 | 959.3359 | 21814.82 | 2067.571 | 797.8872 | 1763.274 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: ICSA002 Acquired: 10/26/2024 19:23:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA002 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0009798 | -.017245 | .0016132 | .0063353 | .0012140 | 244.0370 |
| Stddev | .0057265 | .002927 | .0048184 | .0071306 | .0022907 | 1.0144 |
| %RSD | 584.4556 | 16.97519 | 298.6971 | 112.5539 | 188.6838 | .4156883 |
| #1 | .0021658 | -.016295 | -.003785 | .0096876 | .0036817 | 244.0429 |
| #2 | .0060205 | -.014910 | .003145 | .0111719 | -.000845 | 243.0196 |
| #3 | -.005247 | -.020529 | .005479 | -.001854 | .000805 | 245.0484 |

| Elem | Ba4934 | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0058851 | .0009399 | -.000199 | 254.4392 | .0500765 | .0020729 |
| Stddev | .0004148 | .0002237 | .000135 | .9033 | .0009969 | .0005681 |
| %RSD | 7.048316 | 23.79794 | 67.58604 | .3549998 | 1.990671 | 27.40494 |
| #1 | .0062832 | .0009182 | -.000319 | 254.6847 | .0489256 | .0016654 |
| #2 | .0054554 | .0007278 | -.000226 | 253.4385 | .0506696 | .0027218 |
| #3 | .0059166 | .0011736 | -.000053 | 255.1942 | .0506343 | .0018314 |

| Elem | Cu3247 | Fe2598 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0011156 | 106.5314 | .0127993 | 260.9808 | .0051797 | .0032009 |
| Stddev | .0018552 | .4350 | .0019349 | .8496 | .0006281 | .0007044 |
| %RSD | 166.2998 | .4083645 | 15.11709 | .3255341 | 12.12666 | 22.00652 |
| #1 | .0032554 | 106.7771 | .0148611 | 261.7537 | .0046502 | .0037533 |
| #2 | .0001342 | 106.0291 | .0110231 | 260.0711 | .0058737 | .0034416 |
| #3 | -.000043 | 106.7881 | .0125136 | 261.1175 | .0050152 | .0024077 |

| Elem | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2000973 | .0087609 | .0125227 | -.339900 | .0036268 | F .0972092 |
| Stddev | .1220469 | .0068579 | .0008529 | .125201 | .0033998 | .0010127 |
| %RSD | 60.99378 | 78.27880 | 6.810997 | 36.83472 | 93.74102 | 1.041817 |
| #1 | .1816596 | .0008563 | .0118362 | -.234970 | .0074759 | .0983171 |
| #2 | .3303141 | .0131250 | .0122543 | -.478491 | .0010335 | .0963310 |
| #3 | .0883183 | .0123013 | .0134775 | -.306240 | .0023711 | .0969796 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: ICSA002 Acquired: 10/26/2024 19:23:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA002 Custom ID2: Custom ID3:
Comment:

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000480 | .0039400 | -.002501 | -.003676 | -.003161 | -.004639 |
| Stddev | .000576 | .0089143 | .000438 | .001668 | .001061 | .001183 |
| %RSD | 120.1350 | 226.2529 | 17.53218 | 45.38974 | 33.58086 | 25.49966 |
| | | | | | | |
| #1 | .000134 | .0069622 | -.003007 | -.003047 | -.004020 | -.005972 |
| #2 | -.001009 | -.006093 | -.002224 | -.005567 | -.003488 | -.003714 |
| #3 | -.000564 | .010950 | -.002272 | -.002413 | -.001974 | -.004231 |

| Elem | Sr4077 |
|---|---|
| Units | ppm |
| Avg | F .1019837 |
| Stddev | .0006825 |
| %RSD | .6692177 |
| | |
| #1 | .1018054 |
| #2 | .1014081 |
| #3 | .1027377 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 892.4386 | 20606.52 | 2024.192 | 751.6297 | 1469.883 |
| Stddev | 1.4571 | 44.00 | 13.375 | 1.5506 | 2.957 |
| %RSD | .1632674 | .2135033 | .6607529 | .2062989 | .2011997 |
| | | | | | |
| #1 | 893.3904 | 20559.88 | 2013.584 | 749.9003 | 1472.104 |
| #2 | 893.1642 | 20612.40 | 2039.217 | 752.8959 | 1471.020 |
| #3 | 890.7612 | 20647.28 | 2019.775 | 752.0929 | 1466.526 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: ICSAB002 Acquired: 10/26/2024 19:37:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB002 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0902124 | .0948903 | .0533979 | .0525147 | .5562428 | 252.0250 |
| Stddev | .0118776 | .0027289 | .0012834 | .0073295 | .0018520 | .7854 |
| %RSD | 13.16631 | 2.875878 | 2.403534 | 13.95705 | .3329444 | .3116510 |
| #1 | .0802142 | .0922583 | .0540509 | .0604731 | .5567198 | 252.8474 |
| #2 | .1033420 | .0977068 | .0542236 | .0460416 | .5578096 | 251.2827 |
| #3 | .0870810 | .0947057 | .0519193 | .0510293 | .5541990 | 251.9448 |

| Elem | Ba4934 | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .5433920 | .5546291 | 1.068776 | 261.6324 | .6156734 | .5317541 |
| Stddev | .0010174 | .0014576 | .001846 | .6935 | .0018356 | .0007328 |
| %RSD | .1872309 | .2628108 | .1726898 | .2650838 | .2981462 | .1378161 |
| #1 | .5442113 | .5540721 | 1.068874 | 262.2176 | .6177640 | .5325707 |
| #2 | .5422532 | .5535321 | 1.066884 | 260.8663 | .6143259 | .5315380 |
| #3 | .5437114 | .5562831 | 1.070572 | 261.8134 | .6149302 | .5311537 |

| Elem | Cu3247 | Fe2598 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .4973511 | 109.1789 | .5491389 | 268.3548 | 1.068999 | .1992347 |
| Stddev | .0063876 | .3553 | .0029985 | 1.1058 | .000286 | .0011800 |
| %RSD | 1.284333 | .3254455 | .5460441 | .4120669 | .0267895 | .5922757 |
| #1 | .4993132 | 109.5624 | .5474541 | 269.6251 | 1.068808 | .1986907 |
| #2 | .5025276 | 108.8610 | .5473617 | 267.8317 | 1.069329 | .1984248 |
| #3 | .4902126 | 109.1132 | .5526009 | 267.6076 | 1.068862 | .2005886 |

| Elem | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .3990347 | .5145992 | .9354135 | -.429140 | F .0111448 | F .0990308 |
| Stddev | .0904567 | .0544213 | .0063443 | .074121 | .0055127 | .0006964 |
| %RSD | 22.66887 | 10.57547 | .6782343 | 17.27207 | 49.46440 | .7032092 |
| #1 | .4885644 | .5541134 | .9417509 | -.421052 | .0172706 | .0983521 |
| #2 | .4008611 | .5371582 | .9354272 | -.359395 | .0065834 | .0997437 |
| #3 | .3076787 | .4525261 | .9290623 | -.506974 | .0095803 | .0989965 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: ICSAB002 Acquired: 10/26/2024 19:37:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB002 Custom ID2: Custom ID3:
Comment:

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000176 | .0106440 | -.001827 | F -.008208 | -.005277 | -.007544 |
| Stddev | .000212 | .0065268 | .000227 | .002231 | .000406 | .002082 |
| %RSD | 120.4326 | 61.31873 | 12.45270 | 27.17889 | 7.685380 | 27.59192 |
| | | | | | | |
| #1 | -.000421 | .0031677 | -.001629 | -.010020 | -.005523 | -.008731 |
| #2 | -.000044 | .0152049 | -.001776 | -.005716 | -.005499 | -.008761 |
| #3 | -.000063 | .0135595 | -.002075 | -.008887 | -.004809 | -.005141 |

| Elem | Sr4077 |
|---|---|
| Units | ppm |
| Avg | F .1054981 |
| Stddev | .0001609 |
| %RSD | .1524918 |
| | |
| #1 | .1054973 |
| #2 | .1053376 |
| #3 | .1056593 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 885.8034 | 20436.55 | 2006.197 | 739.7436 | 1464.012 |
| Stddev | 1.0701 | 18.63 | 3.226 | 4.8464 | 1.366 |
| %RSD | .1208024 | .0911794 | .1607873 | .6551506 | .0933354 |
| | | | | | |
| #1 | 886.3704 | 20417.60 | 2004.019 | 735.1868 | 1462.895 |
| #2 | 886.4706 | 20437.18 | 2009.903 | 739.2086 | 1465.536 |
| #3 | 884.5691 | 20454.86 | 2004.670 | 744.8353 | 1463.604 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCV005 Acquired: 10/26/2024 20:07:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV005 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 4.993616 | 4.751182 | 24.53714 | 4.707209 | 4.746349 | 413.7477 | 10.11156 |
| Stddev | .017438 | .008855 | .05874 | .002721 | .008396 | 1.9378 | .04464 |
| %RSD | .3491990 | .1863825 | .2393876 | .0578098 | .1769029 | .4683636 | .4414312 |
| | | | | | | | |
| #1 | 5.001002 | 4.761382 | 24.57207 | 4.709130 | 4.755465 | 414.4040 | 10.09053 |
| #2 | 4.973701 | 4.746703 | 24.46933 | 4.708401 | 4.738932 | 411.5669 | 10.08132 |
| #3 | 5.006145 | 4.745460 | 24.57004 | 4.704095 | 4.744651 | 415.2721 | 10.16282 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .5215243 | 2.474803 | 409.7535 | 15.17820 | 2.487021 | 14.98072 | 416.6286 |
| Stddev | .0032740 | .005321 | 2.3179 | .01788 | .004670 | .10645 | 2.1229 |
| %RSD | .6277801 | .2150049 | .5656727 | .1177709 | .1877611 | .7106037 | .5095390 |
| | | | | | | | |
| #1 | .5210349 | 2.480335 | 409.5148 | 15.17718 | 2.489081 | 15.05017 | 416.4422 |
| #2 | .5185225 | 2.469723 | 407.5642 | 15.16086 | 2.481675 | 14.85816 | 414.6051 |
| #3 | .5250155 | 2.474350 | 412.1814 | 15.19657 | 2.490306 | 15.03382 | 418.8386 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 14.79672 | 407.1710 | 2.471759 | 1.260804 | 410.1928 | 2.481571 | 14.25718 |
| Stddev | .06727 | 1.5148 | .006019 | .005796 | 2.0678 | .005750 | .07477 |
| %RSD | .4546298 | .3720220 | .2435248 | .4596938 | .5041057 | .2317237 | .5244683 |
| | | | | | | | |
| #1 | 14.77322 | 407.0832 | 2.471828 | 1.267420 | 410.3067 | 2.483614 | 14.22478 |
| #2 | 14.74436 | 405.7020 | 2.465705 | 1.258365 | 408.0704 | 2.486020 | 14.34269 |
| #3 | 14.87259 | 408.7277 | 2.477743 | 1.256626 | 412.2013 | 2.475078 | 14.20407 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 154.5891 | 4.950844 | 5.121871 | 4.712460 | 4.999358 | 4.986182 | 4.941473 |
| Stddev | 1.0045 | .005624 | .031742 | .010589 | .009490 | .022906 | .016415 |
| %RSD | .6497835 | .1136048 | .6197438 | .2247080 | .1898257 | .4593904 | .3321843 |
| | | | | | | | |
| #1 | 154.9179 | 4.951031 | 5.133653 | 4.702052 | 4.999986 | 4.988534 | 4.944022 |
| #2 | 153.4613 | 4.945129 | 5.085922 | 4.712106 | 5.008518 | 4.962191 | 4.923933 |
| #3 | 155.3879 | 4.956373 | 5.146037 | 4.723222 | 4.989570 | 5.007821 | 4.956464 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCV005 Acquired: 10/26/2024 20:07:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV005 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 4.966096 | 5.054028 | 5.048927 |
| Stddev | .032497 | .027432 | .030244 |
| %RSD | .6543706 | .5427676 | .5990271 |
| | | | |
| #1 | 4.980058 | 5.040586 | 5.070981 |
| #2 | 4.928951 | 5.035911 | 5.014450 |
| #3 | 4.989278 | 5.085588 | 5.061351 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 763.9958 | 19682.65 | 1913.502 | 605.6579 | 1338.616 |
| Stddev | 1.0259 | 38.67 | 11.285 | 2.5183 | 2.415 |
| %RSD | .1342802 | .1964879 | .5897425 | .4157985 | .1804387 |
| | | | | | |
| #1 | 764.5693 | 19646.53 | 1913.544 | 606.1938 | 1337.120 |
| #2 | 764.6067 | 19723.45 | 1924.765 | 602.9148 | 1341.403 |
| #3 | 762.8114 | 19677.98 | 1902.196 | 607.8651 | 1337.326 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCB005 Acquired: 10/26/2024 20:12:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB005 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0010907 | .0008544 | -.000097 | .0007674 | -.000434 | .0221299 | -.000474 |
| Stddev | .0014319 | .0006140 | .001074 | .0039673 | .001272 | .0033126 | .000606 |
| %RSD | 131.2885 | 71.86848 | 1104.843 | 516.9782 | 293.3160 | 14.96882 | 127.8847 |
| #1 | .0000995 | .0004376 | -.000850 | .0023197 | .000861 | .0190092 | -.001110 |
| #2 | .0027324 | .0005660 | .001133 | -.003741 | -.000481 | .0217747 | .000097 |
| #3 | .0004402 | .0015595 | -.000574 | .003724 | -.001681 | .0256057 | -.000408 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000123 | .0000047 | .0197146 | -.001455 | -.000022 | .0024066 | .0073019 |
| Stddev | .000141 | .0001259 | .0198487 | .000833 | .000261 | .0026643 | .0318161 |
| %RSD | 114.0517 | 2696.246 | 100.6806 | 57.26137 | 1159.251 | 110.7062 | 435.7245 |
| #1 | -.000252 | -.000103 | .0423338 | -.001544 | -.000322 | .0044654 | .0244298 |
| #2 | .000027 | -.000026 | .0052031 | -.000581 | .000105 | .0033570 | .0268847 |
| #3 | -.000145 | .000143 | .0116069 | -.002239 | .000150 | -.000603 | -.029409 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0002716 | .0266951 | .0008467 | .0000971 | -.114006 | .0062644 | -.000017 |
| Stddev | .0007553 | .0128477 | .0003823 | .0003855 | .158018 | .0020073 | .000505 |
| %RSD | 278.1396 | 48.12745 | 45.14571 | 396.8572 | 138.6049 | 32.04335 | 3049.231 |
| #1 | -.000378 | .0410585 | .0004086 | .0002091 | -.011527 | .0039466 | -.000464 |
| #2 | .001100 | .0162990 | .0010191 | .0004142 | -.034505 | .0074112 | .000530 |
| #3 | .000092 | .0227278 | .0011125 | -.000332 | -.295986 | .0074354 | -.000116 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.011738 | -.000135 | .0026078 | .0003439 | -.007022 | -.002232 | .0017176 |
| Stddev | .202062 | .001931 | .0007892 | .0003037 | .002291 | .000237 | .0005710 |
| %RSD | 1721.376 | 1432.847 | 30.26209 | 88.32321 | 32.62390 | 10.60851 | 33.24152 |
| #1 | .030136 | .001265 | .0020635 | .0006929 | -.004633 | -.002451 | .0018850 |
| #2 | -.231457 | -.002337 | .0035129 | .0001397 | -.007234 | -.002264 | .0021862 |
| #3 | .166105 | .000668 | .0022471 | .0001990 | -.009200 | -.001981 | .0010817 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCB005 Acquired: 10/26/2024 20:12:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB005 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | -.001802 | -.001150 | .0000007 |
| Stddev | .001357 | .001751 | .0000792 |
| %RSD | 75.32618 | 152.2906 | 12064.90 |
| | | | |
| #1 | -.002900 | .000565 | -.000091 |
| #2 | -.002222 | -.001079 | .000040 |
| #3 | -.000284 | -.002935 | .000053 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 956.9475 | 21660.79 | 1996.956 | 798.0349 | 1757.889 |
| Stddev | 1.2724 | 50.03 | 7.823 | 2.2544 | 3.064 |
| %RSD | .1329673 | .2309855 | .3917401 | .2824907 | .1742789 |
| | | | | | |
| #1 | 958.3017 | 21603.33 | 2004.864 | 796.2861 | 1761.011 |
| #2 | 956.7639 | 21694.66 | 1989.221 | 797.2394 | 1757.769 |
| #3 | 955.7768 | 21684.39 | 1996.782 | 800.5792 | 1754.887 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-01DLX2 Acquired: 10/26/2024 20:17:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE450 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2328983 | -.033343 | .2400306 | -.001874 | .0098097 | 98.57927 | 1.078555 |
| Stddev | .0027204 | .001140 | .0011658 | .002654 | .0012865 | .48637 | .004673 |
| %RSD | 1.168066 | 3.419327 | .4856706 | 141.6127 | 13.11499 | .4933842 | .4332897 |
| #1 | .2316873 | -.032276 | .2391970 | .001017 | .0100532 | 98.12597 | 1.073545 |
| #2 | .2360139 | -.034544 | .2395319 | -.002441 | .0109571 | 98.51877 | 1.079323 |
| #3 | .2309936 | -.033211 | .2413627 | -.004199 | .0084188 | 99.09306 | 1.082797 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0051465 | .0052029 | 74.50160 | .2402039 | .1273545 | .7705781 | 225.7470 |
| Stddev | .0000822 | .0002475 | .43225 | .0013035 | .0001951 | .0048410 | 1.1433 |
| %RSD | 1.596283 | 4.756738 | .5801864 | .5426667 | .1531654 | .6282308 | .5064476 |
| #1 | .0050772 | .0051877 | 74.17581 | .2412214 | .1275510 | .7756668 | 224.6225 |
| #2 | .0052372 | .0049634 | 74.33703 | .2406557 | .1273516 | .7700372 | 225.7103 |
| #3 | .0051250 | .0054576 | 74.99196 | .2387346 | .1271609 | .7660302 | 226.9082 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 5.661904 | 46.97475 | .2193342 | -.016355 | 1.071942 | .4283360 | .6417882 |
| Stddev | .034740 | .19858 | .0007706 | .000365 | .285169 | .0056640 | .0044953 |
| %RSD | .6135824 | .4227375 | .3513416 | 2.230998 | 26.60300 | 1.322320 | .7004354 |
| #1 | 5.637944 | 46.93573 | .2190430 | -.016182 | 1.365941 | .4303538 | .6440560 |
| #2 | 5.646022 | 46.79857 | .2187516 | -.016108 | 1.053373 | .4327147 | .6446978 |
| #3 | 5.701747 | 47.18994 | .2202080 | -.016774 | .796511 | .4219394 | .6366107 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 31.98869 | 7.622905 | .2607409 | .0032738 | 1.189599 | 2.981717 | .0032668 |
| Stddev | .15944 | .025334 | .0004391 | .0000979 | .017324 | .030676 | .0023724 |
| %RSD | .4984108 | .3323448 | .1684130 | 2.990313 | 1.456252 | 1.028790 | 72.62135 |
| #1 | 31.88493 | 7.639954 | .2610039 | .0033167 | 1.186548 | 2.957492 | .0055942 |
| #2 | 31.90887 | 7.593793 | .2602339 | .0033429 | 1.174004 | 2.971449 | .0008518 |
| #3 | 32.17227 | 7.634966 | .2609847 | .0031618 | 1.208246 | 3.016209 | .0033543 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-01DLX2 Acquired: 10/26/2024 20:17:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE450 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.962766 | .0708357 | .3654261 |
| Stddev | .016658 | .0014454 | .0013289 |
| %RSD | .5622481 | 2.040528 | .3636691 |
| | | | |
| #1 | 2.953722 | .0693386 | .3644120 |
| #2 | 2.952587 | .0709454 | .3649358 |
| #3 | 2.981990 | .0722232 | .3669305 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1009.957 | 23235.46 | 2239.095 | 844.8704 | 1602.958 |
| Stddev | .449 | 47.22 | 19.328 | 6.4115 | 2.061 |
| %RSD | .0444713 | .2032256 | .8632045 | .7588679 | .1285927 |
| | | | | | |
| #1 | 1010.134 | 23209.87 | 2251.407 | 842.0777 | 1602.991 |
| #2 | 1010.290 | 23206.57 | 2249.060 | 840.3290 | 1605.003 |
| #3 | 1009.446 | 23289.96 | 2216.818 | 852.2046 | 1600.881 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-02DLX2 Acquired: 10/26/2024 20:21:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE451 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1926078 | -.029923 | .2138714 | -.000387 | .0079085 | 91.16828 | .9778900 |
| Stddev | .0052302 | .002347 | .0030177 | .004632 | .0027275 | .19978 | .0019752 |
| %RSD | 2.715439 | 7.844781 | 1.411000 | 1198.013 | 34.48873 | .2191343 | .2019864 |
| #1 | .1867031 | -.030854 | .2160280 | -.005735 | .0054010 | 91.30514 | .9794029 |
| #2 | .1944622 | -.031662 | .2104228 | .002354 | .0075118 | 90.93903 | .9756555 |
| #3 | .1966580 | -.027253 | .2151634 | .002220 | .0108127 | 91.26067 | .9786116 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0050254 | .0044112 | 26.23007 | .2170309 | .1144650 | .6244477 | 218.5256 |
| Stddev | .0001466 | .0003724 | .12648 | .0011768 | .0005237 | .0042067 | .4100 |
| %RSD | 2.916867 | 8.441111 | .4822012 | .5422229 | .4575056 | .6736700 | .1876110 |
| #1 | .0051641 | .0039815 | 26.31690 | .2167379 | .1141271 | .6284184 | 218.0898 |
| #2 | .0048721 | .0046136 | 26.08496 | .2183265 | .1150682 | .6248855 | 218.5835 |
| #3 | .0050402 | .0046385 | 26.28836 | .2160283 | .1141996 | .6200392 | 218.9036 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 5.090276 | 41.56206 | .2059277 | -.018056 | 1.007907 | .4099222 | .6196930 |
| Stddev | .013305 | .06116 | .0009682 | .000485 | .177980 | .0047895 | .0055871 |
| %RSD | .2613893 | .1471587 | .4701739 | 2.686308 | 17.65842 | 1.168399 | .9015998 |
| #1 | 5.094253 | 41.50707 | .2051994 | -.017727 | .827905 | .4062934 | .6147514 |
| #2 | 5.075435 | 41.62793 | .2070264 | -.017829 | 1.183794 | .4153509 | .6257557 |
| #3 | 5.101139 | 41.55116 | .2055572 | -.018613 | 1.012022 | .4081223 | .6185719 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 29.42615 | 7.397342 | .2374911 | .0031152 | 1.281718 | 3.460082 | .0055577 |
| Stddev | .11142 | .031947 | .0008343 | .0003423 | .018280 | .016985 | .0026676 |
| %RSD | .3786409 | .4318694 | .3513157 | 10.98743 | 1.426212 | .4908867 | 47.99747 |
| #1 | 29.55468 | 7.431823 | .2367257 | .0031579 | 1.297113 | 3.463870 | .0083773 |
| #2 | 29.36692 | 7.368748 | .2373671 | .0034341 | 1.286527 | 3.441523 | .0052220 |
| #3 | 29.35685 | 7.391454 | .2383805 | .0027535 | 1.261514 | 3.474854 | .0030739 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-02DLX2 Acquired: 10/26/2024 20:21:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE451 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.570386 | .0643552 | .2394820 |
| Stddev | .004806 | .0013013 | .0001609 |
| %RSD | .1869614 | 2.022087 | .0671688 |
| | | | |
| #1 | 2.568041 | .0649070 | .2396677 |
| #2 | 2.567204 | .0628689 | .2393915 |
| #3 | 2.575914 | .0652896 | .2393867 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1020.750 | 23448.81 | 2263.583 | 853.4110 | 1632.498 |
| Stddev | 1.250 | 90.30 | 4.778 | 7.8212 | 1.321 |
| %RSD | .1225060 | .3851127 | .2110613 | .9164603 | .0809410 |
| | | | | | |
| #1 | 1022.120 | 23497.37 | 2259.739 | 858.5094 | 1633.065 |
| #2 | 1019.670 | 23344.62 | 2268.932 | 844.4061 | 1630.988 |
| #3 | 1020.459 | 23504.45 | 2262.080 | 857.3174 | 1633.442 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-03DLX2 Acquired: 10/26/2024 20:25:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE452 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2430590 | -.027037 | .2220392 | .0001651 | .0068891 | 106.1149 | 1.280760 |
| Stddev | .0037143 | .004916 | .0019160 | .0015159 | .0018309 | .3731 | .003439 |
| %RSD | 1.528152 | 18.18125 | .8629290 | 918.1863 | 26.57638 | .3516205 | .2684986 |
| #1 | .2470190 | -.024700 | .2198286 | .0003239 | .0049702 | 106.3449 | 1.283313 |
| #2 | .2396526 | -.023726 | .2230663 | .0015954 | .0086170 | 105.6843 | 1.276850 |
| #3 | .2425052 | -.032685 | .2232228 | -.001424 | .0070801 | 106.3153 | 1.282117 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0053164 | .0036921 | 53.75413 | .2223824 | .1205180 | .7038544 | 220.2750 |
| Stddev | .0001697 | .0002019 | .06618 | .0013691 | .0001232 | .0021284 | .5458 |
| %RSD | 3.192014 | 5.467719 | .1231084 | .6156695 | .1022245 | .3023974 | .2477765 |
| #1 | .0051575 | .0036364 | 53.76511 | .2229657 | .1206487 | .7061442 | 220.0566 |
| #2 | .0052967 | .0039160 | 53.68315 | .2233633 | .1204041 | .7019363 | 219.8722 |
| #3 | .0054951 | .0035240 | 53.81412 | .2208182 | .1205012 | .7034828 | 220.8962 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 6.898828 | 50.38160 | .2276995 | -.016577 | 1.259737 | .4152942 | .5558349 |
| Stddev | .015831 | .14465 | .0012362 | .000318 | .275862 | .0043810 | .0018910 |
| %RSD | .2294799 | .2871099 | .5429126 | 1.920025 | 21.89835 | 1.054915 | .3402055 |
| #1 | 6.912857 | 50.54528 | .2288341 | -.016812 | 1.073428 | .4105551 | .5578107 |
| #2 | 6.881663 | 50.27095 | .2278822 | -.016704 | 1.129137 | .4161311 | .5556522 |
| #3 | 6.901962 | 50.32856 | .2263821 | -.016215 | 1.576647 | .4191964 | .5540420 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 25.68274 | 5.232832 | .2533690 | .0015068 | .9810579 | 3.167466 | .0022445 |
| Stddev | .09197 | .005559 | .0018921 | .0007558 | .0050305 | .005621 | .0008819 |
| %RSD | .3581018 | .1062402 | .7467722 | 50.16197 | .5127669 | .1774703 | 39.29227 |
| #1 | 25.76755 | 5.239202 | .2518730 | .0010928 | .9863347 | 3.162348 | .0014505 |
| #2 | 25.58498 | 5.230338 | .2527381 | .0010483 | .9763165 | 3.166567 | .0020893 |
| #3 | 25.69569 | 5.228956 | .2554960 | .0023791 | .9805226 | 3.173482 | .0031937 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-03DLX2 Acquired: 10/26/2024 20:25:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE452 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.494519 | .0722401 | .2807550 |
| Stddev | .009109 | .0016273 | .0010494 |
| %RSD | .3651555 | 2.252553 | .3737682 |
| | | | |
| #1 | 2.500544 | .0741190 | .2813412 |
| #2 | 2.484040 | .0712845 | .2795435 |
| #3 | 2.498972 | .0713167 | .2813803 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1018.900 | 23354.10 | 2186.537 | 850.6844 | 1617.341 |
| Stddev | 2.064 | 32.85 | 4.659 | 5.2505 | 2.949 |
| %RSD | .2026107 | .1406490 | .2130577 | .6172139 | .1823105 |
| | | | | | |
| #1 | 1019.553 | 23321.84 | 2187.914 | 844.6350 | 1617.600 |
| #2 | 1020.559 | 23387.51 | 2190.351 | 854.0585 | 1620.152 |
| #3 | 1016.588 | 23352.95 | 2181.345 | 853.3596 | 1614.272 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-04DLX2 Acquired: 10/26/2024 20:30:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE453 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .5278318 | -.028056 | .2890803 | -.003566 | .0144464 | 98.13228 | 1.403492 |
| Stddev | .0026512 | .003804 | .0043781 | .009219 | .0022334 | .18809 | .004763 |
| %RSD | .5022884 | 13.55825 | 1.514504 | 258.4936 | 15.45982 | .1916676 | .3393929 |
| #1 | .5307487 | -.025027 | .2906875 | .006294 | .0142883 | 98.12668 | 1.403236 |
| #2 | .5271779 | -.032325 | .2924278 | -.005024 | .0122962 | 97.94705 | 1.398863 |
| #3 | .5255686 | -.026816 | .2841257 | -.011970 | .0167546 | 98.32310 | 1.408379 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0056696 | .0053763 | 30.43563 | .2122183 | .1350092 | .8123225 | 236.9937 |
| Stddev | .0000726 | .0000785 | .08234 | .0004757 | .0013593 | .0031045 | .5603 |
| %RSD | 1.281165 | 1.460085 | .2705452 | .2241611 | 1.006844 | .3821806 | .2364226 |
| #1 | .0055902 | .0054667 | 30.35873 | .2122973 | .1346761 | .8156705 | 236.6833 |
| #2 | .0057328 | .0053254 | 30.42566 | .2126495 | .1338474 | .8095390 | 236.6574 |
| #3 | .0056857 | .0053368 | 30.52251 | .2117080 | .1365041 | .8117579 | 237.6405 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 8.228338 | 44.91888 | .2229386 | -.019048 | 1.222719 | .4304943 | .7003301 |
| Stddev | .030216 | .19953 | .0006697 | .000406 | .265648 | .0088052 | .0062294 |
| %RSD | .3672198 | .4442002 | .3003933 | 2.133722 | 21.72598 | 2.045362 | .8894956 |
| #1 | 8.214269 | 44.73897 | .2228958 | -.018751 | 1.135050 | .4220951 | .6971893 |
| #2 | 8.207722 | 45.13348 | .2236286 | -.018882 | 1.011987 | .4396559 | .7075047 |
| #3 | 8.263024 | 44.88417 | .2222912 | -.019511 | 1.521121 | .4297320 | .6962963 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 30.97998 | 7.788704 | .2588415 | .0017383 | 1.393960 | 3.058959 | .0057826 |
| Stddev | .07686 | .025956 | .0003487 | .0002736 | .010564 | .017328 | .0015883 |
| %RSD | .2480947 | .3332581 | .1347059 | 15.73848 | .7578130 | .5664558 | 27.46618 |
| #1 | 31.06181 | 7.766103 | .2584547 | .0020227 | 1.396323 | 3.045869 | .0064620 |
| #2 | 30.90931 | 7.782957 | .2591316 | .0014770 | 1.382414 | 3.052398 | .0069182 |
| #3 | 30.96881 | 7.817053 | .2589383 | .0017153 | 1.403141 | 3.078609 | .0039677 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-04DLX2 Acquired: 10/26/2024 20:30:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE453 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.421456 | .0712027 | .2774669 |
| Stddev | .002180 | .0005432 | .0004575 |
| %RSD | .0900434 | .7629498 | .1648875 |
| | | | |
| #1 | 2.422354 | .0714592 | .2775794 |
| #2 | 2.418970 | .0715701 | .2769637 |
| #3 | 2.423044 | .0705787 | .2778577 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1021.312 | 23386.33 | 2186.688 | 851.7110 | 1630.151 |
| Stddev | 1.999 | 72.75 | 7.683 | 4.7693 | 3.688 |
| %RSD | .1957502 | .3110949 | .3513529 | .5599674 | .2262302 |
| | | | | | |
| #1 | 1022.422 | 23389.40 | 2190.804 | 853.6020 | 1631.326 |
| #2 | 1022.509 | 23312.08 | 2191.437 | 846.2861 | 1633.108 |
| #3 | 1019.004 | 23457.49 | 2177.824 | 855.2448 | 1626.019 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCV006 Acquired: 10/26/2024 20:34:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV006 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 5.072025 | 4.794693 | 24.90396 | 4.743424 | 4.797671 | 409.5519 | 10.14422 |
| Stddev | .013573 | .016753 | .09134 | .017871 | .009236 | 2.2794 | .03453 |
| %RSD | .2676071 | .3494120 | .3667853 | .3767459 | .1925007 | .5565715 | .3404184 |
| #1 | 5.056579 | 4.776374 | 24.79913 | 4.728680 | 4.788147 | 411.5168 | 10.16785 |
| #2 | 5.077451 | 4.809236 | 24.94626 | 4.738293 | 4.798277 | 410.0859 | 10.16022 |
| #3 | 5.082047 | 4.798469 | 24.96648 | 4.763299 | 4.806588 | 407.0528 | 10.10459 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .5287245 | 2.512370 | 409.2478 | 15.16746 | 2.519972 | 14.83587 | 412.4368 |
| Stddev | .0041203 | .005792 | 1.3166 | .03023 | .007237 | .08822 | 1.7646 |
| %RSD | .7792955 | .2305420 | .3217230 | .1993014 | .2871871 | .5946720 | .4278494 |
| #1 | .5332561 | 2.507042 | 410.2367 | 15.16607 | 2.511736 | 14.91951 | 413.9374 |
| #2 | .5277140 | 2.511532 | 409.7534 | 15.13795 | 2.522868 | 14.84441 | 412.8802 |
| #3 | .5252034 | 2.518535 | 407.7533 | 15.19836 | 2.525313 | 14.74368 | 410.4928 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 14.84151 | 416.0712 | 2.501189 | 1.281776 | 405.8990 | 2.463279 | 14.34500 |
| Stddev | .05108 | 1.4781 | .008027 | .002783 | 1.8371 | .021335 | .05530 |
| %RSD | .3441593 | .3552597 | .3209162 | .2171230 | .4525918 | .8661235 | .3855196 |
| #1 | 14.88506 | 417.5553 | 2.491952 | 1.280532 | 406.4332 | 2.443624 | 14.33793 |
| #2 | 14.85418 | 416.0592 | 2.505144 | 1.279832 | 407.4097 | 2.485969 | 14.29358 |
| #3 | 14.78529 | 414.5991 | 2.506471 | 1.284964 | 403.8540 | 2.460244 | 14.40350 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 154.0471 | 4.956598 | 5.079659 | 4.743909 | 5.058387 | 4.971910 | 5.008770 |
| Stddev | 1.0386 | .012172 | .034316 | .015350 | .004839 | .042692 | .009370 |
| %RSD | .6742317 | .2455785 | .6755596 | .3235800 | .0956706 | .8586573 | .1870724 |
| #1 | 154.9218 | 4.946312 | 5.117624 | 4.734199 | 5.053455 | 5.019172 | 5.000774 |
| #2 | 154.3203 | 4.970037 | 5.070506 | 4.735921 | 5.058579 | 4.960415 | 5.006456 |
| #3 | 152.8992 | 4.953445 | 5.050848 | 4.761606 | 5.063128 | 4.936142 | 5.019080 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCV006 Acquired: 10/26/2024 20:34:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV006 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 4.953810 | 5.073116 | 5.017662 |
| Stddev | .027128 | .012865 | .034899 |
| %RSD | .5476169 | .2535890 | .6955309 |
| | | | |
| #1 | 4.979622 | 5.076665 | 5.047312 |
| #2 | 4.956275 | 5.083833 | 5.026473 |
| #3 | 4.925534 | 5.058849 | 4.979202 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 764.0247 | 19731.71 | 1933.446 | 605.6417 | 1332.335 |
| Stddev | 1.6402 | 42.85 | 15.834 | 2.7176 | 1.324 |
| %RSD | .2146812 | .2171664 | .8189576 | .4487119 | .0993450 |
| | | | | | |
| #1 | 765.0746 | 19743.49 | 1915.721 | 605.8750 | 1333.768 |
| #2 | 764.8650 | 19767.45 | 1938.424 | 608.2351 | 1331.159 |
| #3 | 762.1346 | 19684.21 | 1946.193 | 602.8149 | 1332.078 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCB006 Acquired: 10/26/2024 20:38:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB006 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0003680 | .0029220 | .0008209 | .0021938 | .0004449 | .0162710 | .0003442 |
| Stddev | .0018172 | .0010876 | .0011721 | .0082635 | .0018068 | .0060506 | .0003825 |
| %RSD | 493.8288 | 37.22130 | 142.7867 | 376.6818 | 406.0766 | 37.18621 | 111.1296 |
| #1 | .0004155 | .0040574 | .0002231 | .0066125 | -.000899 | .0157910 | .0003177 |
| #2 | -.001473 | .0018895 | .0021713 | -.007340 | -.000265 | .0104748 | -.000024 |
| #3 | .002161 | .0028192 | .0000682 | .007308 | .002499 | .0225473 | .000739 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000044 | .0000020 | .0145669 | .0000692 | -.000215 | .0027288 | .0180315 |
| Stddev | .000076 | .0000904 | .0100631 | .0013946 | .000087 | .0014169 | .0224511 |
| %RSD | 171.6341 | 4589.724 | 69.08177 | 2015.470 | 40.70729 | 51.92381 | 124.5100 |
| #1 | -.000127 | -.000042 | .0031498 | .0008694 | -.000134 | .0028479 | .0436817 |
| #2 | .000021 | -.000058 | .0184041 | .0008794 | -.000307 | .0040823 | .0084623 |
| #3 | -.000026 | .000106 | .0221469 | -.001541 | -.000203 | .0012561 | .0019505 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000812 | -.040650 | .0006119 | .0002992 | -.294814 | .0063811 | -.000227 |
| Stddev | .001280 | .061545 | .0001773 | .0001438 | .368809 | .0034463 | .000512 |
| %RSD | 157.5157 | 151.4026 | 28.98072 | 48.06399 | 125.0986 | 54.00824 | 225.3646 |
| #1 | -.000808 | .015817 | .0007906 | .0001619 | -.505651 | .0060654 | -.000336 |
| #2 | -.002094 | -.031514 | .0004360 | .0004488 | .131042 | .0031035 | .000331 |
| #3 | .000465 | -.106253 | .0006089 | .0002870 | -.509834 | .0099744 | -.000676 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.257636 | -.000861 | .0031918 | .0005147 | .0028789 | -.002409 | .0011772 |
| Stddev | .126571 | .001858 | .0002815 | .0002875 | .0072193 | .000271 | .0012908 |
| %RSD | 49.12788 | 215.8575 | 8.819370 | 55.85504 | 250.7616 | 11.25410 | 109.6532 |
| #1 | -.240532 | -.002659 | .0028882 | .0002460 | -.000227 | -.002722 | .0026417 |
| #2 | -.140486 | -.000975 | .0034442 | .0004802 | .011131 | -.002252 | .0006851 |
| #3 | -.391888 | .001052 | .0032430 | .0008179 | -.002267 | -.002252 | .0002048 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCB006 Acquired: 10/26/2024 20:38:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB006 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | -.001442 | -.003163 | .0000829 |
| Stddev | .000215 | .000898 | .0000577 |
| %RSD | 14.93998 | 28.39851 | 69.52846 |
| | | | |
| #1 | -.001296 | -.004187 | .0001041 |
| #2 | -.001341 | -.002794 | .0001271 |
| #3 | -.001690 | -.002508 | .0000177 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 957.9923 | 21741.62 | 2064.535 | 802.5571 | 1749.633 |
| Stddev | .5901 | 56.02 | 5.815 | .8409 | 1.385 |
| %RSD | .0616014 | .2576466 | .2816761 | .1047731 | .0791343 |
| | | | | | |
| #1 | 957.6614 | 21702.58 | 2060.546 | 803.5215 | 1750.781 |
| #2 | 958.6736 | 21716.48 | 2061.850 | 802.1726 | 1750.023 |
| #3 | 957.6418 | 21805.80 | 2071.207 | 801.9772 | 1748.095 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-05DLX2 Acquired: 10/26/2024 20:43:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE453D Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .3213635 | -.033575 | .2876124 | -.001158 | .0150017 | 111.9559 | 1.194648 |
| Stddev | .0069625 | .003450 | .0060627 | .006721 | .0014701 | .0985 | .002003 |
| %RSD | 2.166539 | 10.27537 | 2.107944 | 580.2854 | 9.799294 | .0879431 | .1676234 |
| #1 | .3283423 | -.029702 | .2871209 | -.002801 | .0165290 | 111.8564 | 1.195181 |
| #2 | .3213307 | -.034706 | .2939059 | .006232 | .0148797 | 112.0533 | 1.192432 |
| #3 | .3144175 | -.036318 | .2818104 | -.006906 | .0135965 | 111.9580 | 1.196329 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0064200 | .0057827 | 33.71160 | .2623277 | .1392266 | .8906560 | 264.7056 |
| Stddev | .0001639 | .0002369 | .08356 | .0016444 | .0003485 | .0040328 | .6230 |
| %RSD | 2.552877 | 4.095827 | .2478711 | .6268407 | .2503105 | .4527936 | .2353738 |
| #1 | .0064220 | .0056265 | 33.78907 | .2639053 | .1390407 | .8889799 | 264.2404 |
| #2 | .0065829 | .0056665 | 33.62306 | .2624539 | .1396287 | .8877315 | 264.4630 |
| #3 | .0062552 | .0060552 | 33.72269 | .2606239 | .1390106 | .8952566 | 265.4135 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 6.111128 | 51.62085 | .2529330 | -.020812 | 1.286734 | .4939848 | .7574734 |
| Stddev | .013281 | .07440 | .0012070 | .000464 | .162545 | .0011930 | .0011695 |
| %RSD | .2173237 | .1441282 | .4772033 | 2.231647 | 12.63233 | .2415004 | .1543921 |
| #1 | 6.106944 | 51.60142 | .2543132 | -.021284 | 1.146472 | .4932120 | .7587770 |
| #2 | 6.100443 | 51.55810 | .2524109 | -.020796 | 1.248858 | .4933837 | .7565163 |
| #3 | 6.125998 | 51.70304 | .2520750 | -.020356 | 1.464873 | .4953588 | .7571271 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 34.60893 | 8.570337 | .2880850 | .0020711 | 1.658650 | 2.164556 | .0071985 |
| Stddev | .05881 | .019312 | .0006474 | .0005198 | .009451 | .005655 | .0011200 |
| %RSD | .1699358 | .2253376 | .2247247 | 25.09796 | .5697737 | .2612383 | 15.55911 |
| #1 | 34.54521 | 8.554706 | .2874807 | .0025336 | 1.657840 | 2.169171 | .0065182 |
| #2 | 34.62045 | 8.591926 | .2887683 | .0015086 | 1.668479 | 2.158249 | .0084912 |
| #3 | 34.66113 | 8.564380 | .2880059 | .0021711 | 1.649630 | 2.166250 | .0065861 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-05DLX2 Acquired: 10/26/2024 20:43:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE453D Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.681569 | .0845682 | .2872026 |
| Stddev | .002348 | .0014859 | .0002928 |
| %RSD | .0875506 | 1.757039 | .1019639 |
| | | | |
| #1 | 2.679756 | .0829900 | .2868765 |
| #2 | 2.680729 | .0859402 | .2874432 |
| #3 | 2.684221 | .0847743 | .2872879 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1026.328 | 23574.02 | 2239.857 | 860.6120 | 1621.857 |
| Stddev | 2.427 | 63.09 | 4.830 | 3.3840 | 1.662 |
| %RSD | .2365003 | .2676288 | .2156276 | .3932083 | .1024610 |
| | | | | | |
| #1 | 1028.514 | 23642.46 | 2234.624 | 864.3135 | 1622.890 |
| #2 | 1026.755 | 23518.18 | 2244.143 | 859.8455 | 1619.940 |
| #3 | 1023.716 | 23561.42 | 2240.804 | 857.6770 | 1622.741 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-06DLX2 Acquired: 10/26/2024 20:47:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE453S Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .5850853 | .0685042 | .3239449 | .1546790 | .1717111 | 100.7878 | 5.240701 |
| Stddev | .0046110 | .0023639 | .0038281 | .0104411 | .0063063 | .2814 | .006980 |
| %RSD | .7880912 | 3.450738 | 1.181703 | 6.750142 | 3.672604 | .2791572 | .1331962 |
| #1 | .5859246 | .0665197 | .3195277 | .1454671 | .1651063 | 100.7345 | 5.234528 |
| #2 | .5892190 | .0711195 | .3262967 | .1525491 | .1776689 | 100.5369 | 5.239299 |
| #3 | .5801123 | .0678733 | .3260104 | .1660208 | .1723581 | 101.0920 | 5.248276 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1038436 | .1056538 | 30.28632 | .6205854 | 1.136500 | 1.253134 | 237.0421 |
| Stddev | .0010409 | .0005952 | .05265 | .0015131 | .002553 | .006336 | .9958 |
| %RSD | 1.002413 | .5633258 | .1738420 | .2438158 | .2246295 | .5055816 | .4200784 |
| #1 | .1041989 | .1052804 | 30.25438 | .6216261 | 1.134060 | 1.247348 | 236.9364 |
| #2 | .1026715 | .1063401 | 30.25748 | .6188497 | 1.139153 | 1.252151 | 236.1034 |
| #3 | .1046604 | .1053407 | 30.34709 | .6212806 | 1.136287 | 1.259904 | 238.0865 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 9.140136 | 44.86976 | 1.230814 | .0728344 | 1.064410 | 1.416505 | 1.482050 |
| Stddev | .033971 | .24274 | .002923 | .0005488 | .103098 | .017986 | .003091 |
| %RSD | .3716634 | .5409949 | .2374911 | .7534330 | 9.685892 | 1.269747 | .2085636 |
| #1 | 9.118030 | 44.86702 | 1.229969 | .0722798 | 1.118484 | 1.427152 | 1.481896 |
| #2 | 9.123127 | 44.62840 | 1.234067 | .0733771 | 1.129221 | 1.395739 | 1.485215 |
| #3 | 9.179251 | 45.11386 | 1.228407 | .0728462 | .945524 | 1.426624 | 1.479039 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 30.83617 | 7.682984 | .2579776 | .0016852 | 1.348838 | 2.853387 | .0049464 |
| Stddev | .11132 | .024678 | .0017981 | .0003763 | .003996 | .009333 | .0027789 |
| %RSD | .3609894 | .3212096 | .6969828 | 22.32992 | .2962412 | .3270811 | 56.17905 |
| #1 | 30.82495 | 7.679653 | .2572387 | .0013131 | 1.350213 | 2.855797 | .0050790 |
| #2 | 30.73089 | 7.709159 | .2566668 | .0020655 | 1.351965 | 2.843086 | .0021037 |
| #3 | 30.95267 | 7.660140 | .2600274 | .0016769 | 1.344336 | 2.861279 | .0076567 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-06DLX2 Acquired: 10/26/2024 20:47:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE453S Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.385896 | .0716370 | .2752955 |
| Stddev | .011664 | .0013426 | .0011282 |
| %RSD | .4888803 | 1.874174 | .4098207 |
| | | | |
| #1 | 2.386045 | .0712894 | .2754394 |
| #2 | 2.374158 | .0731192 | .2741023 |
| #3 | 2.397485 | .0705024 | .2763449 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1020.335 | 23386.08 | 2187.197 | 852.6862 | 1635.127 |
| Stddev | 2.957 | 38.77 | 9.719 | 1.5615 | 5.580 |
| %RSD | .2897955 | .1657900 | .4443702 | .1831228 | .3412749 |
| | | | | | |
| #1 | 1022.035 | 23430.85 | 2184.445 | 853.9550 | 1637.477 |
| #2 | 1016.921 | 23364.41 | 2197.995 | 850.9424 | 1628.756 |
| #3 | 1022.049 | 23363.00 | 2179.150 | 853.1612 | 1639.147 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-04LDLX10 Acquired: 10/26/2024 20:52:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE453L Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1092332 | -.003377 | .0590509 | -.000118 | .0045213 | 20.83166 | .3024299 |
| Stddev | .0031021 | .003830 | .0048515 | .000844 | .0005314 | .06273 | .0007984 |
| %RSD | 2.839881 | 113.4351 | 8.215862 | 713.7804 | 11.75338 | .3011289 | .2639842 |
| #1 | .1128062 | .001044 | .0563904 | -.001071 | .0049283 | 20.76048 | .3026082 |
| #2 | .1072263 | -.005459 | .0561115 | .000535 | .0047155 | 20.85561 | .3015575 |
| #3 | .1076673 | -.005715 | .0646506 | .000182 | .0039201 | 20.87889 | .3031241 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0010768 | .0008515 | 6.640784 | .0463190 | .0265956 | .1734372 | 51.77576 |
| Stddev | .0001532 | .0000763 | .017279 | .0014075 | .0009303 | .0035955 | .11407 |
| %RSD | 14.22407 | 8.966650 | .2602011 | 3.038764 | 3.498010 | 2.073115 | .2203232 |
| #1 | .0011969 | .0007870 | 6.627598 | .0457799 | .0258551 | .1775561 | 51.75264 |
| #2 | .0011293 | .0008318 | 6.634409 | .0452608 | .0262919 | .1718288 | 51.89963 |
| #3 | .0009043 | .0009358 | 6.660345 | .0479164 | .0276398 | .1709266 | 51.67502 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 1.799120 | 9.609897 | .0452421 | -.003818 | -.161866 | .0957081 | .1508557 |
| Stddev | .005470 | .079003 | .0009765 | .000341 | .213192 | .0010922 | .0009931 |
| %RSD | .3040333 | .8221012 | 2.158342 | 8.930749 | 131.7088 | 1.141179 | .6582752 |
| #1 | 1.804745 | 9.698792 | .0451583 | -.004135 | -.291680 | .0962506 | .1505647 |
| #2 | 1.798796 | 9.583189 | .0443103 | -.003457 | -.278100 | .0964229 | .1500406 |
| #3 | 1.793819 | 9.547710 | .0462578 | -.003863 | .084182 | .0944509 | .1519617 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 6.364590 | 1.544442 | .0528322 | .0002954 | .2746775 | .6058284 | .0002441 |
| Stddev | .033524 | .026083 | .0017247 | .0001846 | .0022517 | .0063542 | .0002744 |
| %RSD | .5267202 | 1.688820 | 3.264386 | 62.49179 | .8197716 | 1.048837 | 112.3882 |
| #1 | 6.396344 | 1.547374 | .0525062 | .0005085 | .2750602 | .6019562 | .0003522 |
| #2 | 6.367885 | 1.517017 | .0546966 | .0001924 | .2722589 | .6023674 | -.000068 |
| #3 | 6.329540 | 1.568935 | .0512939 | .0001853 | .2767133 | .6131617 | .000448 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-04LDLX10 Acquired: 10/26/2024 20:52:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE453L Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | .5137773 | .0113408 | .0591993 |
| Stddev | .0032573 | .0021039 | .0002949 |
| %RSD | .6339913 | 18.55156 | .4980852 |
| | | | |
| #1 | .5141665 | .0131825 | .0588839 |
| #2 | .5168226 | .0090479 | .0592457 |
| #3 | .5103429 | .0117919 | .0594682 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 977.7806 | 22159.06 | 2060.791 | 815.2681 | 1713.984 |
| Stddev | 14.9479 | 23.09 | 12.342 | 1.3094 | 31.418 |
| %RSD | 1.528755 | .1041895 | .5988921 | .1606048 | 1.833041 |
| | | | | | |
| #1 | 975.6561 | 22135.97 | 2071.268 | 816.7617 | 1713.617 |
| #2 | 993.6770 | 22159.06 | 2063.918 | 814.3177 | 1745.584 |
| #3 | 964.0086 | 22182.15 | 2047.186 | 814.7250 | 1682.751 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-07DLX2 Acquired: 10/26/2024 20:56:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE454 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1515224 | -.025146 | .1674120 | -.005976 | .0073894 | 85.17189 | .8695869 |
| Stddev | .0045504 | .004978 | .0006666 | .007603 | .0047542 | .15876 | .0040448 |
| %RSD | 3.003146 | 19.79791 | .3981930 | 127.2318 | 64.33774 | .1864020 | .4651379 |
| #1 | .1563399 | -.023526 | .1668394 | -.008612 | .0083233 | 84.99427 | .8684196 |
| #2 | .1509303 | -.030732 | .1672527 | .002594 | .0022376 | 85.30000 | .8740870 |
| #3 | .1472970 | -.021179 | .1681438 | -.011910 | .0116074 | 85.22139 | .8662542 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0043782 | .0036435 | 32.52036 | .2000959 | .1044773 | .5175811 | 195.2345 |
| Stddev | .0000218 | .0001658 | .11274 | .0014762 | .0005430 | .0071635 | 1.0176 |
| %RSD | .4977656 | 4.551883 | .3466825 | .7377248 | .5197644 | 1.384031 | .5212379 |
| #1 | .0044030 | .0034974 | 32.50802 | .1990037 | .1042119 | .5117709 | 194.5813 |
| #2 | .0043699 | .0036094 | 32.63877 | .2017753 | .1041181 | .5255849 | 196.4070 |
| #3 | .0043618 | .0038238 | 32.41430 | .1995087 | .1051020 | .5153876 | 194.7152 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 4.625274 | 38.75906 | .1756423 | -.016653 | .8878988 | .3751895 | .5728206 |
| Stddev | .023664 | .03768 | .0007367 | .000403 | .1048324 | .0062921 | .0029257 |
| %RSD | .5116179 | .0972192 | .4194061 | 2.420043 | 11.80679 | 1.677044 | .5107475 |
| #1 | 4.616880 | 38.72621 | .1755744 | -.017092 | .8149085 | .3758753 | .5698306 |
| #2 | 4.651991 | 38.75078 | .1749420 | -.016301 | 1.008025 | .3685825 | .5729537 |
| #3 | 4.606952 | 38.80019 | .1764106 | -.016566 | .840763 | .3811105 | .5756775 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 29.46822 | 6.932019 | .2221861 | .0031231 | 1.731814 | 2.577382 | .0038646 |
| Stddev | .02632 | .010629 | .0007740 | .0004189 | .006739 | .009635 | .0023911 |
| %RSD | .0893153 | .1533385 | .3483765 | 13.41222 | .3891191 | .3738315 | 61.87331 |
| #1 | 29.46384 | 6.919972 | .2219140 | .0035752 | 1.728130 | 2.566258 | .0065561 |
| #2 | 29.49646 | 6.936009 | .2230594 | .0030459 | 1.727721 | 2.582746 | .0019856 |
| #3 | 29.44437 | 6.940077 | .2215848 | .0027482 | 1.739592 | 2.583140 | .0030519 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-07DLX2 Acquired: 10/26/2024 20:56:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE454 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.370124 | .0556346 | .2280342 |
| Stddev | .002084 | .0018025 | .0004229 |
| %RSD | .0879443 | 3.239949 | .1854685 |
| | | | |
| #1 | 2.368937 | .0543843 | .2275914 |
| #2 | 2.372530 | .0548186 | .2280772 |
| #3 | 2.368903 | .0577008 | .2284340 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1018.693 | 23386.91 | 2251.216 | 854.2783 | 1639.509 |
| Stddev | 1.610 | 121.10 | 5.508 | 2.8738 | 2.868 |
| %RSD | .1580197 | .5178275 | .2446698 | .3363963 | .1749438 |
| | | | | | |
| #1 | 1018.230 | 23464.74 | 2257.570 | 857.5489 | 1640.018 |
| #2 | 1020.483 | 23247.38 | 2248.283 | 853.1287 | 1642.089 |
| #3 | 1017.365 | 23448.61 | 2247.794 | 852.1572 | 1636.420 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-08DLX2 Acquired: 10/26/2024 21:01:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE455 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1469893 | -.021479 | .1667102 | .0017713 | .0052637 | 83.38770 | .9345539 |
| Stddev | .0025159 | .003019 | .0022972 | .0053983 | .0028324 | .19127 | .0031326 |
| %RSD | 1.711638 | 14.05455 | 1.377934 | 304.7733 | 53.80893 | .2293770 | .3352027 |
| #1 | .1459831 | -.018920 | .1687529 | -.000486 | .0084156 | 83.29149 | .9313309 |
| #2 | .1498526 | -.020708 | .1671542 | .007932 | .0029318 | 83.60798 | .9375876 |
| #3 | .1451321 | -.024808 | .1642234 | -.002132 | .0044438 | 83.26364 | .9347432 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0043251 | .0033733 | 62.97666 | .1868447 | .1001349 | .5002490 | 184.6740 |
| Stddev | .0003400 | .0000653 | .28842 | .0011389 | .0003876 | .0028702 | .7981 |
| %RSD | 7.861516 | 1.935809 | .4579846 | .6095703 | .3870689 | .5737594 | .4321676 |
| #1 | .0046553 | .0033883 | 62.76288 | .1867722 | .1000332 | .4991516 | 184.0991 |
| #2 | .0043439 | .0033018 | 63.30471 | .1857438 | .0998083 | .4980894 | 185.5853 |
| #3 | .0039761 | .0034298 | 62.86238 | .1880182 | .1005632 | .5035060 | 184.3378 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 4.493919 | 43.96652 | .1841570 | -.013351 | 3.345100 | .3562185 | .5538279 |
| Stddev | .019080 | .26175 | .0011471 | .000358 | .249724 | .0118152 | .0022206 |
| %RSD | .4245758 | .5953331 | .6229138 | 2.682945 | 7.465373 | 3.316845 | .4009552 |
| #1 | 4.473548 | 43.75109 | .1828696 | -.012949 | 3.494831 | .3678363 | .5546617 |
| #2 | 4.511373 | 44.25782 | .1845305 | -.013466 | 3.483653 | .3566038 | .5513110 |
| #3 | 4.496835 | 43.89064 | .1850707 | -.013638 | 3.056815 | .3442153 | .5555108 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 31.35987 | 7.141416 | .2843178 | .0021465 | 2.469956 | 2.939106 | .0018443 |
| Stddev | .07748 | .028420 | .0020270 | .0005654 | .005204 | .016678 | .0009151 |
| %RSD | .2470523 | .3979585 | .7129160 | 26.34242 | .2106872 | .5674509 | 49.61541 |
| #1 | 31.29034 | 7.111055 | .2827265 | .0022242 | 2.473361 | 2.925469 | .0028275 |
| #2 | 31.44339 | 7.167383 | .2865998 | .0015463 | 2.463965 | 2.957701 | .0016877 |
| #3 | 31.34588 | 7.145811 | .2836270 | .0026691 | 2.472540 | 2.934149 | .0010176 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-08DLX2 Acquired: 10/26/2024 21:01:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE455 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.404793 | .0567979 | .4191221 |
| Stddev | .009616 | .0001199 | .0017539 |
| %RSD | .3998826 | .2111459 | .4184609 |
| | | | |
| #1 | 2.408470 | .0567585 | .4182827 |
| #2 | 2.412029 | .0569326 | .4211379 |
| #3 | 2.393881 | .0567026 | .4179457 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1005.538 | 23139.74 | 2223.729 | 844.8814 | 1615.883 |
| Stddev | 1.970 | 27.38 | 9.821 | 1.7767 | 3.307 |
| %RSD | .1959358 | .1183167 | .4416539 | .2102870 | .2046348 |
| | | | | | |
| #1 | 1004.611 | 23108.72 | 2230.309 | 843.6627 | 1619.291 |
| #2 | 1007.801 | 23160.53 | 2212.440 | 846.9199 | 1615.671 |
| #3 | 1004.202 | 23149.96 | 2228.438 | 844.0614 | 1612.688 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-09DLX2 Acquired: 10/26/2024 21:05:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE456 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1267475 | -.028292 | .1414502 | .0041458 | .0101667 | 88.85365 | .6165931 |
| Stddev | .0024362 | .001368 | .0035441 | .0049067 | .0013973 | .31898 | .0029595 |
| %RSD | 1.922088 | 4.836274 | 2.505519 | 118.3532 | 13.74426 | .3589938 | .4799834 |
| #1 | .1240385 | -.028344 | .1402940 | .0071612 | .0106091 | 88.59875 | .6149257 |
| #2 | .1287584 | -.026899 | .1386287 | .0067921 | .0112892 | 89.21136 | .6200101 |
| #3 | .1274458 | -.029634 | .1454280 | -.001516 | .0086017 | 88.75085 | .6148434 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0041115 | .0015544 | 61.91244 | .2368703 | .1255516 | .4559341 | 224.9915 |
| Stddev | .0001124 | .0001507 | .19876 | .0007251 | .0007526 | .0040280 | .4798 |
| %RSD | 2.733347 | 9.693394 | .3210275 | .3061296 | .5994593 | .8834700 | .2132394 |
| #1 | .0042412 | .0016338 | 61.87040 | .2375772 | .1257130 | .4535850 | 224.4893 |
| #2 | .0040439 | .0016488 | 62.12885 | .2361283 | .1262105 | .4605852 | 225.0400 |
| #3 | .0040492 | .0013807 | 61.73807 | .2369053 | .1247314 | .4536321 | 225.4451 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 4.213039 | 58.76236 | .2371974 | -.015385 | 1.545345 | .5053339 | .4040895 |
| Stddev | .006268 | .28841 | .0005174 | .000760 | .103410 | .0054867 | .0022191 |
| %RSD | .1487788 | .4908030 | .2181246 | 4.942314 | 6.691700 | 1.085756 | .5491529 |
| #1 | 4.213666 | 58.51632 | .2369711 | -.014511 | 1.604515 | .5036450 | .4042411 |
| #2 | 4.218970 | 59.07974 | .2377893 | -.015757 | 1.605581 | .5008902 | .4017985 |
| #3 | 4.206481 | 58.69102 | .2368316 | -.015888 | 1.425939 | .5114665 | .4062289 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 23.85976 | 4.832308 | .2450426 | .0002213 | 1.345145 | 2.136842 | .0042495 |
| Stddev | .09994 | .017384 | .0028743 | .0003156 | .005842 | .004639 | .0012371 |
| %RSD | .4188594 | .3597469 | 1.172978 | 142.6240 | .4342728 | .2170979 | 29.11160 |
| #1 | 23.74490 | 4.816702 | .2444684 | -.000092 | 1.348793 | 2.132809 | .0029771 |
| #2 | 23.90758 | 4.851045 | .2424987 | .000217 | 1.348235 | 2.141912 | .0054480 |
| #3 | 23.92681 | 4.829176 | .2481606 | .000539 | 1.338408 | 2.135805 | .0043233 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-09DLX2 Acquired: 10/26/2024 21:05:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE456 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.451982 | .0506917 | .2487136 |
| Stddev | .014122 | .0016416 | .0008894 |
| %RSD | .5759606 | 3.238461 | .3575865 |
| | | | |
| #1 | 2.446496 | .0500928 | .2480693 |
| #2 | 2.468025 | .0494335 | .2497283 |
| #3 | 2.441427 | .0525486 | .2483433 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 992.8681 | 22859.88 | 2117.400 | 831.3629 | 1619.830 |
| Stddev | .8979 | 61.35 | 2.261 | 4.9321 | 2.899 |
| %RSD | .0904307 | .2683900 | .1067897 | .5932558 | .1789774 |
| | | | | | |
| #1 | 991.8901 | 22791.16 | 2119.292 | 827.5724 | 1619.228 |
| #2 | 993.0590 | 22879.32 | 2118.012 | 836.9392 | 1617.279 |
| #3 | 993.6551 | 22909.16 | 2114.896 | 829.5772 | 1622.983 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-10DLX2 Acquired: 10/26/2024 21:09:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE457 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2870725 | -.036055 | .2659031 | -.001171 | .0089588 | 103.0845 | 1.153150 |
| Stddev | .0043885 | .004460 | .0074891 | .000710 | .0030168 | .3376 | .002979 |
| %RSD | 1.528704 | 12.37010 | 2.816475 | 60.59760 | 33.67470 | .3274519 | .2583368 |
| #1 | .2820051 | -.030922 | .2616120 | -.001680 | .0118201 | 102.7429 | 1.150218 |
| #2 | .2896099 | -.038978 | .2615467 | -.001473 | .0092488 | 103.4178 | 1.156174 |
| #3 | .2896024 | -.038266 | .2745507 | -.000360 | .0058074 | 103.0927 | 1.153060 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0061482 | .0054534 | 19.40554 | .2353245 | .1452925 | .8551745 | 254.2763 |
| Stddev | .0000706 | .0001189 | .10542 | .0011212 | .0008945 | .0063908 | .5282 |
| %RSD | 1.148046 | 2.180936 | .5432505 | .4764362 | .6156252 | .7473059 | .2077085 |
| #1 | .0061135 | .0054694 | 19.28662 | .2356969 | .1459463 | .8593678 | 253.8330 |
| #2 | .0061016 | .0055635 | 19.48755 | .2362121 | .1442732 | .8583366 | 254.8607 |
| #3 | .0062294 | .0053272 | 19.44243 | .2340645 | .1456581 | .8478192 | 254.1351 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 6.291025 | 47.31305 | .2656435 | -.020656 | .9282084 | .4677080 | .6677048 |
| Stddev | .012106 | .40115 | .0007022 | .000596 | .1739048 | .0058041 | .0021628 |
| %RSD | .1924333 | .8478637 | .2643329 | 2.885732 | 18.73554 | 1.240970 | .3239153 |
| #1 | 6.301244 | 47.32411 | .2651024 | -.021312 | 1.035525 | .4633281 | .6664999 |
| #2 | 6.277655 | 47.70856 | .2653911 | -.020506 | 1.021537 | .4742911 | .6664128 |
| #3 | 6.294176 | 46.90649 | .2664370 | -.020149 | .727563 | .4655048 | .6702017 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 31.69616 | 5.610694 | .2663351 | .0025293 | .6986068 | 2.210895 | .0075126 |
| Stddev | .06169 | .029241 | .0008917 | .0001467 | .0050575 | .010554 | .0029095 |
| %RSD | .1946227 | .5211619 | .3348239 | 5.799013 | .7239352 | .4773441 | 38.72761 |
| #1 | 31.63329 | 5.578981 | .2660378 | .0023788 | .7013049 | 2.205309 | .0089036 |
| #2 | 31.69862 | 5.616513 | .2673375 | .0025374 | .6927725 | 2.223067 | .0041688 |
| #3 | 31.75659 | 5.636588 | .2656300 | .0026718 | .7017431 | 2.204308 | .0094655 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-10DLX2 Acquired: 10/26/2024 21:09:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE457 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.363782 | .0798501 | .2186914 |
| Stddev | .002616 | .0015628 | .0009548 |
| %RSD | .1106860 | 1.957140 | .4366139 |
| | | | |
| #1 | 2.360976 | .0787387 | .2176308 |
| #2 | 2.364215 | .0816370 | .2194825 |
| #3 | 2.366154 | .0791745 | .2189609 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1027.434 | 23599.71 | 2220.113 | 866.3472 | 1634.572 |
| Stddev | 1.634 | 34.54 | 7.819 | 3.3921 | 2.277 |
| %RSD | .1590056 | .1463531 | .3521721 | .3915359 | .1392914 |
| | | | | | |
| #1 | 1025.718 | 23633.77 | 2227.494 | 866.1891 | 1631.970 |
| #2 | 1027.614 | 23600.64 | 2211.920 | 869.8156 | 1636.199 |
| #3 | 1028.970 | 23564.71 | 2220.925 | 863.0370 | 1635.547 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-11DLX2 Acquired: 10/26/2024 21:14:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE458 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1828222 | -.023733 | .2131844 | -.003137 | .0078879 | 81.99422 |
| Stddev | .0035982 | .002782 | .0039057 | .005473 | .0017891 | .18320 |
| %RSD | 1.968124 | 11.72191 | 1.832089 | 174.4560 | 22.68142 | .2234267 |
| #1 | .1868903 | -.021650 | .2103346 | -.007758 | .0093314 | 81.79491 |
| #2 | .1815198 | -.026893 | .2176364 | -.004562 | .0058863 | 82.03251 |
| #3 | .1800567 | -.022657 | .2115822 | .002907 | .0084460 | 82.15525 |

| Elem | Ba4934 | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .9997071 | .0044793 | .0045593 | 50.53452 | .1941868 | .1242556 |
| Stddev | .0033216 | .0000583 | .0001318 | .10628 | .0010472 | .0011381 |
| %RSD | .3322589 | 1.301895 | 2.889611 | .2103077 | .5392705 | .9159370 |
| #1 | 1.002156 | .0044132 | .0045445 | 50.65268 | .1953215 | .1254557 |
| #2 | .995926 | .0045012 | .0044357 | 50.50414 | .1932576 | .1231918 |
| #3 | 1.001038 | .0045234 | .0046979 | 50.44674 | .1939815 | .1241192 |

| Elem | Cu3247 | Fe2598 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .6330411 | 200.3835 | 5.405671 | 41.17419 | .1919128 | -.014502 |
| Stddev | .0019056 | .2064 | .015249 | .23430 | .0008348 | .000428 |
| %RSD | .3010243 | .1029963 | .2820963 | .5690565 | .4349899 | 2.954681 |
| #1 | .6308751 | 200.3842 | 5.402269 | 41.42298 | .1911438 | -.014890 |
| #2 | .6344599 | 200.5896 | 5.392410 | 41.14189 | .1928007 | -.014573 |
| #3 | .6337883 | 200.1768 | 5.422334 | 40.95772 | .1917940 | -.014042 |

| Elem | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 1.064479 | .3810773 | .6566460 | 29.74733 | F 10.57215 | .2506197 |
| Stddev | .175888 | .0067443 | .0014326 | .06527 | .02054 | .0024262 |
| %RSD | 16.52334 | 1.769785 | .2181692 | .2194109 | .1942820 | .9680608 |
| #1 | 1.124649 | .3845241 | .6582992 | 29.67629 | 10.58319 | .2511259 |
| #2 | .866403 | .3733062 | .6557685 | 29.80465 | 10.54845 | .2527529 |
| #3 | 1.202386 | .3854016 | .6558703 | 29.76104 | 10.58482 | .2479804 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-11DLX2 Acquired: 10/26/2024 21:14:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE458 Custom ID2: Custom ID3:
Comment:

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0018912 | 1.843104 | 2.236870 | .0026721 | 1.984513 | .0644518 |
| Stddev | .0003799 | .007189 | .004140 | .0022775 | .008685 | .0017377 |
| %RSD | 20.08996 | .3900482 | .1850876 | 85.23018 | .4376361 | 2.696132 |
| | | | | | | |
| #1 | .0015956 | 1.849113 | 2.236741 | .0034925 | 1.976101 | .0647176 |
| #2 | .0017581 | 1.835140 | 2.241074 | .0000982 | 1.983991 | .0625965 |
| #3 | .0023197 | 1.845061 | 2.232796 | .0044258 | 1.993448 | .0660413 |

| Elem | Sr4077 |
|---|---|
| Units | ppm |
| Avg | .4579608 |
| Stddev | .0015189 |
| %RSD | .3316752 |
| | |
| #1 | .4562275 |
| #2 | .4585949 |
| #3 | .4590598 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1010.491 | 23197.29 | 2236.142 | 848.5930 | 1623.710 |
| Stddev | 1.724 | 25.46 | 2.697 | 2.2737 | 3.222 |
| %RSD | .1706186 | .1097731 | .1206074 | .2679351 | .1984245 |
| | | | | | |
| #1 | 1011.542 | 23224.16 | 2239.047 | 846.6703 | 1622.995 |
| #2 | 1011.429 | 23194.20 | 2233.718 | 848.0060 | 1627.229 |
| #3 | 1008.501 | 23173.52 | 2235.661 | 851.1026 | 1620.905 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-12DLX2 Acquired: 10/26/2024 21:18:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE459 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2441205 | -.029192 | .2551444 | -.005321 | .0119509 | 91.54115 | 1.118449 |
| Stddev | .0094342 | .002459 | .0030563 | .000829 | .0018582 | .61654 | .006034 |
| %RSD | 3.864589 | 8.423981 | 1.197884 | 15.58417 | 15.54840 | .6735090 | .5395135 |
| #1 | .2457401 | -.031797 | .2554978 | -.005206 | .0106455 | 90.85748 | 1.112035 |
| #2 | .2526401 | -.028868 | .2519267 | -.006202 | .0140783 | 91.71101 | 1.119296 |
| #3 | .2339813 | -.026911 | .2580087 | -.004555 | .0111290 | 92.05494 | 1.124014 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0052971 | .0063580 | 43.61139 | .2200885 | .1287958 | .8298562 | 229.3130 |
| Stddev | .0001059 | .0001869 | .22277 | .0005597 | .0006942 | .0085669 | 1.4466 |
| %RSD | 2.000059 | 2.940266 | .5108087 | .2542911 | .5389604 | 1.032333 | .6308381 |
| #1 | .0051747 | .0065079 | 43.36756 | .2197840 | .1294579 | .8208099 | 227.6740 |
| #2 | .0053559 | .0061485 | 43.66232 | .2207344 | .1288561 | .8309133 | 229.8535 |
| #3 | .0053605 | .0064175 | 43.80428 | .2197471 | .1280735 | .8378455 | 230.4115 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 5.892547 | 43.45860 | .2350776 | -.018297 | 1.584309 | .4307985 | .6934518 |
| Stddev | .029650 | .44749 | .0010893 | .000325 | .319678 | .0074521 | .0016909 |
| %RSD | .5031839 | 1.029694 | .4633744 | 1.778891 | 20.17775 | 1.729822 | .2438330 |
| #1 | 5.867089 | 43.08937 | .2348927 | -.017969 | 1.254846 | .4394031 | .6949021 |
| #2 | 5.885449 | 43.33017 | .2340927 | -.018303 | 1.604872 | .4264447 | .6915946 |
| #3 | 5.925102 | 43.95626 | .2362476 | -.018620 | 1.893209 | .4265475 | .6938587 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 33.64920 | 9.098756 | .2543765 | .0016568 | 1.657577 | 2.346392 | .0050372 |
| Stddev | .42012 | .010681 | .0018299 | .0001617 | .011369 | .011590 | .0020868 |
| %RSD | 1.248540 | .1173909 | .7193878 | 9.761602 | .6858595 | .4939485 | 41.42867 |
| #1 | 33.22273 | 9.109269 | .2531291 | .0017598 | 1.669806 | 2.333067 | .0033164 |
| #2 | 33.66220 | 9.099085 | .2535231 | .0017402 | 1.647329 | 2.351986 | .0044367 |
| #3 | 34.06268 | 9.087915 | .2564772 | .0014704 | 1.655595 | 2.354124 | .0073584 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-12DLX2 Acquired: 10/26/2024 21:18:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE459 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.107042 | .0675862 | .2967013 |
| Stddev | .007370 | .0020783 | .0020387 |
| %RSD | .3497900 | 3.075072 | .6871083 |
| | | | |
| #1 | 2.098645 | .0671509 | .2943816 |
| #2 | 2.110037 | .0698477 | .2975146 |
| #3 | 2.112442 | .0657600 | .2982079 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1015.147 | 23487.39 | 2264.543 | 860.3637 | 1615.153 |
| Stddev | 3.340 | 48.24 | 17.565 | .6838 | 4.346 |
| %RSD | .3290381 | .2053825 | .7756672 | .0794798 | .2690918 |
| | | | | | |
| #1 | 1018.996 | 23456.25 | 2283.346 | 859.5805 | 1618.390 |
| #2 | 1013.010 | 23462.95 | 2261.729 | 860.6680 | 1616.855 |
| #3 | 1013.434 | 23542.95 | 2248.555 | 860.8425 | 1610.213 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-13DLX2 Acquired: 10/26/2024 21:23:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE460 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1482987 | -.025429 | .2026551 | .0007430 | .0065479 | 82.93415 | .9493111 |
| Stddev | .0020717 | .001805 | .0018966 | .0028097 | .0017051 | .34214 | .0043819 |
| %RSD | 1.396981 | 7.098710 | .9358703 | 378.1276 | 26.03976 | .4125473 | .4615894 |
| #1 | .1473147 | -.026829 | .2041064 | .0032806 | .0074353 | 83.00057 | .9509585 |
| #2 | .1469024 | -.026065 | .2033498 | .0012249 | .0076261 | 82.56368 | .9443442 |
| #3 | .1506790 | -.023391 | .2005092 | -.002276 | .0045821 | 83.23822 | .9526305 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0044068 | .0046652 | 54.12239 | .1795692 | .0975913 | .6810753 | 180.0356 |
| Stddev | .0001683 | .0001912 | .08041 | .0010566 | .0003925 | .0042977 | .5653 |
| %RSD | 3.818987 | 4.097410 | .1485786 | .5884130 | .4021986 | .6310208 | .3140062 |
| #1 | .0045984 | .0044547 | 54.13615 | .1798264 | .0979199 | .6795480 | 179.8802 |
| #2 | .0043391 | .0047130 | 54.03599 | .1804735 | .0971567 | .6777498 | 179.5643 |
| #3 | .0042828 | .0048279 | 54.19504 | .1784077 | .0976974 | .6859281 | 180.6624 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 4.802382 | 39.95379 | .1774436 | -.013006 | 1.326772 | .3280312 | .6363406 |
| Stddev | .020474 | .12547 | .0007175 | .000887 | .049268 | .0033611 | .0008199 |
| %RSD | .4263256 | .3140271 | .4043637 | 6.816322 | 3.713345 | 1.024635 | .1288516 |
| #1 | 4.795941 | 39.81701 | .1768354 | -.012328 | 1.378645 | .3254360 | .6353963 |
| #2 | 4.785903 | 39.98083 | .1772605 | -.012680 | 1.321063 | .3318280 | .6367529 |
| #3 | 4.825302 | 40.06353 | .1782349 | -.014009 | 1.280607 | .3268297 | .6368726 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 30.07935 | 9.238606 | .2295667 | .0023606 | 2.479616 | 2.518095 | .0034479 |
| Stddev | .14320 | .013609 | .0021567 | .0008000 | .009134 | .002636 | .0007618 |
| %RSD | .4760615 | .1473058 | .9394700 | 33.89087 | .3683653 | .1046971 | 22.09432 |
| #1 | 30.15858 | 9.223362 | .2299164 | .0017174 | 2.470661 | 2.516498 | .0041897 |
| #2 | 29.91405 | 9.249533 | .2272564 | .0021079 | 2.488919 | 2.516649 | .0026676 |
| #3 | 30.16542 | 9.242923 | .2315271 | .0032564 | 2.479269 | 2.521138 | .0034864 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-13DLX2 Acquired: 10/26/2024 21:23:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE460 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.143630 | .0581865 | .4208479 |
| Stddev | .010730 | .0018973 | .0017377 |
| %RSD | .5005492 | 3.260675 | .4129033 |
| | | | |
| #1 | 2.143334 | .0590283 | .4214769 |
| #2 | 2.133051 | .0560140 | .4188833 |
| #3 | 2.154504 | .0595173 | .4221835 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1004.266 | 23106.80 | 2167.637 | 842.2420 | 1621.897 |
| Stddev | 1.016 | 87.05 | 7.036 | 1.0241 | 1.480 |
| %RSD | .1011198 | .3767503 | .3245959 | .1215901 | .0912304 |
| | | | | | |
| #1 | 1005.427 | 23008.39 | 2167.856 | 842.6157 | 1622.862 |
| #2 | 1003.829 | 23173.77 | 2174.560 | 843.0267 | 1620.193 |
| #3 | 1003.542 | 23138.23 | 2160.493 | 841.0835 | 1622.635 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-14DLX2 Acquired: 10/26/2024 21:27:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE461 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1641467 | -.021751 | .1907699 | -.003698 | .0098972 | 75.65309 | .8097365 |
| Stddev | .0067831 | .005371 | .0008434 | .003211 | .0019912 | .41754 | .0025021 |
| %RSD | 4.132358 | 24.69556 | .4421111 | 86.83012 | 20.11827 | .5519123 | .3090052 |
| #1 | .1566274 | -.015660 | .1916660 | -.006893 | .0093098 | 76.08927 | .8124391 |
| #2 | .1698053 | -.025810 | .1906520 | -.003728 | .0121160 | 75.25709 | .8075005 |
| #3 | .1660075 | -.023782 | .1899916 | -.000472 | .0082659 | 75.61292 | .8092699 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0045911 | .0034725 | 25.34343 | .1729284 | .0954658 | .5303117 | 192.0743 |
| Stddev | .0002036 | .0000688 | .07326 | .0004554 | .0001371 | .0067526 | .9997 |
| %RSD | 4.435547 | 1.981036 | .2890609 | .2633676 | .1435591 | 1.273323 | .5204676 |
| #1 | .0048250 | .0035430 | 25.36849 | .1733851 | .0956230 | .5346643 | 193.0535 |
| #2 | .0044525 | .0034055 | 25.26093 | .1729259 | .0953718 | .5337380 | 191.0553 |
| #3 | .0044960 | .0034691 | 25.40086 | .1724743 | .0954024 | .5225329 | 192.1140 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 4.534614 | 35.70449 | .1660730 | -.015618 | .7751363 | .3538355 | .5600045 |
| Stddev | .025109 | .09187 | .0004393 | .000378 | .1320634 | .0016204 | .0053543 |
| %RSD | .5537119 | .2573104 | .2645348 | 2.420528 | 17.03744 | .4579579 | .9561204 |
| #1 | 4.555752 | 35.79792 | .1656691 | -.015207 | .9188597 | .3548075 | .5588689 |
| #2 | 4.506860 | 35.61426 | .1665407 | -.015950 | .7474157 | .3519648 | .5553091 |
| #3 | 4.541229 | 35.70128 | .1660090 | -.015699 | .6591336 | .3547341 | .5658355 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 23.62506 | 7.514322 | .2093209 | .0023131 | 1.284452 | 2.593782 | .0039474 |
| Stddev | .19738 | .028834 | .0001838 | .0002927 | .010635 | .017402 | .0027402 |
| %RSD | .8354498 | .3837150 | .0877881 | 12.65265 | .8280102 | .6709179 | 69.41755 |
| #1 | 23.84047 | 7.498925 | .2095248 | .0022536 | 1.293225 | 2.607420 | .0016340 |
| #2 | 23.58182 | 7.496456 | .2092696 | .0020548 | 1.272623 | 2.574183 | .0032346 |
| #3 | 23.45289 | 7.547586 | .2091682 | .0026310 | 1.287506 | 2.599745 | .0069735 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-14DLX2 Acquired: 10/26/2024 21:27:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE461 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 1.950859 | .0507158 | .2389620 |
| Stddev | .004815 | .0006184 | .0018213 |
| %RSD | .2467929 | 1.219404 | .7621534 |
| | | | |
| #1 | 1.955727 | .0500457 | .2410628 |
| #2 | 1.946099 | .0512646 | .2378289 |
| #3 | 1.950751 | .0508372 | .2379942 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1005.169 | 23164.14 | 2127.785 | 848.4975 | 1650.373 |
| Stddev | .380 | 39.21 | 14.455 | 8.9229 | 1.647 |
| %RSD | .0378397 | .1692916 | .6793280 | 1.051613 | .0997700 |
| | | | | | |
| #1 | 1005.232 | 23157.72 | 2113.871 | 851.7401 | 1652.062 |
| #2 | 1005.514 | 23206.17 | 2142.726 | 855.3458 | 1648.773 |
| #3 | 1004.761 | 23128.53 | 2126.758 | 838.4067 | 1650.284 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-15DLX2 Acquired: 10/26/2024 21:31:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE462 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1835271 | -.034259 | .1670364 | -.003998 | .0079124 | 114.4634 | .9095463 |
| Stddev | .0077854 | .001628 | .0018529 | .009419 | .0003906 | .1654 | .0015534 |
| %RSD | 4.242118 | 4.750732 | 1.109285 | 235.5869 | 4.935985 | .1445139 | .1707850 |
| #1 | .1786217 | -.036137 | .1677346 | -.006508 | .0074650 | 114.3047 | .9103522 |
| #2 | .1794556 | -.033257 | .1684387 | -.011908 | .0080871 | 114.6348 | .9105310 |
| #3 | .1925041 | -.033383 | .1649358 | .006421 | .0081852 | 114.4505 | .9077556 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0063429 | .0021383 | 72.19076 | .2068798 | .1420626 | .4439027 | 247.8413 |
| Stddev | .0000672 | .0002062 | .05675 | .0010230 | .0003370 | .0012633 | .1136 |
| %RSD | 1.059525 | 9.643584 | .0786089 | .4944821 | .2372115 | .2845905 | .0458316 |
| #1 | .0064092 | .0021009 | 72.13340 | .2062569 | .1417677 | .4449828 | 247.8351 |
| #2 | .0063446 | .0019533 | 72.19200 | .2063221 | .1419901 | .4442118 | 247.9578 |
| #3 | .0062749 | .0023606 | 72.24687 | .2080605 | .1424299 | .4425136 | 247.7309 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 4.827235 | 63.48635 | .3254911 | -.017878 | 4.665839 | .5083058 | .4718135 |
| Stddev | .009003 | .38814 | .0007435 | .000771 | .140425 | .0062642 | .0013479 |
| %RSD | .1865101 | .6113789 | .2284210 | 4.313786 | 3.009641 | 1.232365 | .2856944 |
| #1 | 4.820728 | 63.07296 | .3248053 | -.018757 | 4.827861 | .5072418 | .4728732 |
| #2 | 4.837510 | 63.84299 | .3253868 | -.017315 | 4.579277 | .5150339 | .4702963 |
| #3 | 4.823466 | 63.54311 | .3262812 | -.017561 | 4.590378 | .5026418 | .4722709 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 18.42185 | 8.056770 | .2555650 | .0021011 | .9033436 | 1.683097 | .0034334 |
| Stddev | .07636 | .012128 | .0014813 | .0001415 | .0051294 | .003679 | .0025463 |
| %RSD | .4145202 | .1505339 | .5796065 | 6.734910 | .5678284 | .2186014 | 74.16404 |
| #1 | 18.42225 | 8.053136 | .2560337 | .0022644 | .8985939 | 1.680436 | .0012205 |
| #2 | 18.34529 | 8.046875 | .2539061 | .0020219 | .9026540 | 1.687295 | .0062165 |
| #3 | 18.49801 | 8.070300 | .2567553 | .0020168 | .9087830 | 1.681558 | .0028632 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-15DLX2 Acquired: 10/26/2024 21:31:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE462 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 4.376616 | .0563661 | 1.267609 |
| Stddev | .009885 | .0002227 | .000518 |
| %RSD | .2258605 | .3951269 | .0408989 |
| | | | |
| #1 | 4.365273 | .0561580 | 1.267903 |
| #2 | 4.383394 | .0566010 | 1.267914 |
| #3 | 4.381181 | .0563394 | 1.267011 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1013.026 | 23434.73 | 2217.562 | 855.3849 | 1591.908 |
| Stddev | 2.326 | 62.34 | 7.715 | .5668 | 3.337 |
| %RSD | .2296329 | .2660261 | .3478827 | .0662665 | .2096538 |
| | | | | | |
| #1 | 1015.041 | 23506.66 | 2226.031 | 854.7372 | 1594.970 |
| #2 | 1013.556 | 23396.31 | 2210.936 | 855.6271 | 1592.402 |
| #3 | 1010.480 | 23401.22 | 2215.720 | 855.7903 | 1588.350 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-16DLX2 Acquired: 10/26/2024 21:36:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE463 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1511096 | -.034274 | .1179937 | -.001993 | .0068722 | 108.9918 | .5696836 |
| Stddev | .0015894 | .003765 | .0022145 | .006889 | .0009696 | .0842 | .0014252 |
| %RSD | 1.051800 | 10.98570 | 1.876764 | 345.6971 | 14.10848 | .0772289 | .2501765 |
| #1 | .1514505 | -.031517 | .1183673 | -.000627 | .0064033 | 109.0831 | .5708945 |
| #2 | .1525009 | -.038564 | .1156162 | -.009462 | .0079871 | 108.9173 | .5681130 |
| #3 | .1493774 | -.032741 | .1199976 | .004111 | .0062262 | 108.9749 | .5700434 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0040003 | .0017987 | 45.27804 | .3387428 | .1580066 | .5785649 | 242.2927 |
| Stddev | .0001379 | .0000230 | .09484 | .0002282 | .0011027 | .0040809 | .8085 |
| %RSD | 3.447937 | 1.279631 | .2094604 | .0673794 | .6978897 | .7053475 | .3336677 |
| #1 | .0040551 | .0018032 | 45.38347 | .3388919 | .1580521 | .5832643 | 242.8259 |
| #2 | .0041024 | .0018192 | 45.25097 | .3388564 | .1568818 | .5765160 | 242.6896 |
| #3 | .0038434 | .0017738 | 45.19968 | .3384800 | .1590859 | .5759145 | 241.3625 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 4.724161 | 73.33536 | .3130252 | -.017688 | 1.658778 | .5257051 | .3977305 |
| Stddev | .017624 | .31376 | .0011087 | .000177 | .179938 | .0150904 | .0019861 |
| %RSD | .3730691 | .4278410 | .3541851 | 1.001907 | 10.84759 | 2.870514 | .4993466 |
| #1 | 4.743570 | 73.66819 | .3117473 | -.017892 | 1.550352 | .5404602 | .3991927 |
| #2 | 4.719755 | 73.29287 | .3137296 | -.017604 | 1.866485 | .5103003 | .3954694 |
| #3 | 4.709158 | 73.04501 | .3135989 | -.017569 | 1.559498 | .5263549 | .3985293 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 19.00110 | 3.930856 | .2461528 | -.000712 | .8713012 | 1.974945 | .0018446 |
| Stddev | .09367 | .012654 | .0015264 | .000496 | .0177803 | .012067 | .0021628 |
| %RSD | .4929478 | .3219191 | .6200828 | 69.67572 | 2.040661 | .6109990 | 117.2494 |
| #1 | 19.03847 | 3.926158 | .2444430 | -.000376 | .8540153 | 1.983807 | .0019361 |
| #2 | 18.89452 | 3.921223 | .2473781 | -.000478 | .8895377 | 1.979826 | -.000362 |
| #3 | 19.07031 | 3.945187 | .2466373 | -.001281 | .8703506 | 1.961203 | .003960 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-16DLX2 Acquired: 10/26/2024 21:36:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE463 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.307119 | .0587090 | .1812049 |
| Stddev | .006795 | .0019197 | .0001207 |
| %RSD | .2945435 | 3.269803 | .0666044 |
| | | | |
| #1 | 2.314856 | .0567240 | .1812085 |
| #2 | 2.302120 | .0605559 | .1813238 |
| #3 | 2.304380 | .0588472 | .1810825 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 993.0260 | 22913.65 | 2193.496 | 832.0031 | 1607.479 |
| Stddev | .6638 | 59.42 | 12.506 | 3.4117 | 3.152 |
| %RSD | .0668479 | .2593024 | .5701519 | .4100526 | .1960898 |
| | | | | | |
| #1 | 993.7242 | 22857.65 | 2182.655 | 831.5608 | 1610.229 |
| #2 | 992.9509 | 22975.98 | 2190.655 | 835.6144 | 1608.169 |
| #3 | 992.4029 | 22907.31 | 2207.179 | 828.8342 | 1604.039 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-17DLX2 Acquired: 10/26/2024 21:40:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE464 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2522607 | -.031857 | .1927756 | -.001004 | .0091247 | 97.54053 | 1.133687 |
| Stddev | .0064712 | .001989 | .0022595 | .001467 | .0028589 | .24582 | .003295 |
| %RSD | 2.565302 | 6.243731 | 1.172099 | 146.0363 | 31.33124 | .2520141 | .2906587 |
| #1 | .2591805 | -.033704 | .1902437 | .000082 | .0058555 | 97.65485 | 1.136686 |
| #2 | .2512429 | -.029751 | .1945872 | -.000422 | .0103621 | 97.25838 | 1.130159 |
| #3 | .2463586 | -.032115 | .1934959 | -.002673 | .0111564 | 97.70837 | 1.134215 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0053523 | .0036518 | 58.70250 | .2166961 | .1133405 | .5492576 | 231.0158 |
| Stddev | .0000479 | .0001814 | .16995 | .0022888 | .0007838 | .0028119 | .4435 |
| %RSD | .8948644 | 4.966753 | .2895070 | 1.056237 | .6915696 | .5119501 | .1919991 |
| #1 | .0053192 | .0034444 | 58.80782 | .2185368 | .1139852 | .5513952 | 230.9613 |
| #2 | .0053305 | .0037806 | 58.50644 | .2174181 | .1124680 | .5460722 | 230.6019 |
| #3 | .0054072 | .0037305 | 58.79324 | .2141333 | .1135682 | .5503054 | 231.4840 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 6.200528 | 49.42138 | .2242063 | -.018305 | 3.960229 | .4442453 | .5652026 |
| Stddev | .004218 | .25667 | .0016221 | .000596 | .295607 | .0030687 | .0009602 |
| %RSD | .0680331 | .5193556 | .7234656 | 3.255756 | 7.464399 | .6907549 | .1698837 |
| #1 | 6.205393 | 49.40056 | .2250033 | -.018138 | 4.210521 | .4453969 | .5653161 |
| #2 | 6.197893 | 49.17575 | .2223399 | -.017810 | 3.634088 | .4465715 | .5661010 |
| #3 | 6.198298 | 49.68782 | .2252756 | -.018966 | 4.036080 | .4407674 | .5641907 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 27.95138 | 6.440172 | .3482737 | .0026881 | 2.216557 | 2.379653 | .0064015 |
| Stddev | .05189 | .035223 | .0016993 | .0003304 | .026303 | .010001 | .0020837 |
| %RSD | .1856484 | .5469295 | .4879241 | 12.29302 | 1.186650 | .4202852 | 32.54933 |
| #1 | 28.00008 | 6.474510 | .3493092 | .0029335 | 2.239663 | 2.390704 | .0040260 |
| #2 | 27.95727 | 6.404126 | .3491994 | .0023124 | 2.187933 | 2.377034 | .0072590 |
| #3 | 27.89680 | 6.441881 | .3463125 | .0028186 | 2.222075 | 2.371222 | .0079197 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-17DLX2 Acquired: 10/26/2024 21:40:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE464 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.232905 | .0739760 | .4125313 |
| Stddev | .007698 | .0005950 | .0008029 |
| %RSD | .3447464 | .8043197 | .1946401 |
| | | | |
| #1 | 2.227977 | .0744262 | .4129436 |
| #2 | 2.228962 | .0733014 | .4116060 |
| #3 | 2.241775 | .0742004 | .4130444 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1015.713 | 23379.82 | 2240.045 | 854.6931 | 1605.997 |
| Stddev | 4.321 | 43.79 | 5.454 | 2.7390 | 5.528 |
| %RSD | .4254275 | .1872872 | .2434763 | .3204642 | .3442244 |
| | | | | | |
| #1 | 1015.862 | 23395.07 | 2234.939 | 857.6139 | 1601.897 |
| #2 | 1019.957 | 23330.45 | 2245.791 | 852.1821 | 1612.284 |
| #3 | 1011.319 | 23413.95 | 2239.407 | 854.2831 | 1603.810 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-18DLX2 Acquired: 10/26/2024 21:45:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE465 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2174314 | -.030190 | .2040453 | .0030755 | .0069902 | 118.5249 | 1.270125 |
| Stddev | .0043314 | .003247 | .0054624 | .0078606 | .0020748 | .7935 | .006187 |
| %RSD | 1.992086 | 10.75512 | 2.677064 | 255.5919 | 29.68067 | .6694857 | .4871478 |
| #1 | .2219417 | -.033003 | .1989581 | .0094462 | .0051431 | 119.4354 | 1.277008 |
| #2 | .2170482 | -.030929 | .2033596 | .0054890 | .0092350 | 117.9806 | 1.265025 |
| #3 | .2133043 | -.026637 | .2098182 | -.005709 | .0065926 | 118.1588 | 1.268342 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0059167 | .0036082 | 70.07511 | .2294117 | .1411514 | .6368562 | 239.8566 |
| Stddev | .0003095 | .0001384 | .36489 | .0006956 | .0004830 | .0047523 | 1.1568 |
| %RSD | 5.230073 | 3.834379 | .5207110 | .3032159 | .3421687 | .7462157 | .4822938 |
| #1 | .0060920 | .0036462 | 70.49562 | .2288911 | .1411921 | .6387738 | 241.0615 |
| #2 | .0060986 | .0037236 | 69.88774 | .2302017 | .1416127 | .6314447 | 239.7535 |
| #3 | .0055594 | .0034548 | 69.84198 | .2291422 | .1406494 | .6403502 | 238.7547 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 6.589995 | 56.82088 | .2962358 | -.017491 | 1.315972 | .4602742 | .5592559 |
| Stddev | .038434 | .22434 | .0001496 | .000517 | .127547 | .0021457 | .0014976 |
| %RSD | .5832185 | .3948276 | .0505034 | 2.956121 | 9.692227 | .4661833 | .2677754 |
| #1 | 6.634003 | 57.06465 | .2961168 | -.017290 | 1.346831 | .4584267 | .5586322 |
| #2 | 6.563025 | 56.77494 | .2964038 | -.018078 | 1.175826 | .4626277 | .5609645 |
| #3 | 6.572957 | 56.62307 | .2961870 | -.017104 | 1.425258 | .4597682 | .5581710 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 27.05616 | 9.591057 | .2564650 | .0011717 | 1.163663 | 3.735979 | .0030962 |
| Stddev | .32824 | .015951 | .0027269 | .0011280 | .006930 | .009687 | .0023613 |
| %RSD | 1.213189 | .1663098 | 1.063252 | 96.26862 | .5955417 | .2592855 | 76.26551 |
| #1 | 27.43359 | 9.602956 | .2594738 | .0005715 | 1.168119 | 3.746892 | .0051683 |
| #2 | 26.83734 | 9.597283 | .2557645 | .0024728 | 1.167192 | 3.732646 | .0005253 |
| #3 | 26.89757 | 9.572933 | .2541568 | .0004707 | 1.155679 | 3.728398 | .0035951 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-18DLX2 Acquired: 10/26/2024 21:45:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE465 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 3.006551 | .0711974 | .8760980 |
| Stddev | .014487 | .0023153 | .0071463 |
| %RSD | .4818323 | 3.251977 | .8157007 |
| | | | |
| #1 | 3.023179 | .0731742 | .8843291 |
| #2 | 2.996655 | .0686502 | .8714764 |
| #3 | 2.999820 | .0717678 | .8724884 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1016.617 | 23372.63 | 2183.434 | 852.4748 | 1599.443 |
| Stddev | 1.032 | 37.94 | 11.355 | 2.4991 | 3.403 |
| %RSD | .1014791 | .1623341 | .5200538 | .2931578 | .2127753 |
| | | | | | |
| #1 | 1015.807 | 23330.98 | 2170.409 | 851.2914 | 1596.190 |
| #2 | 1017.779 | 23405.23 | 2188.640 | 850.7872 | 1599.160 |
| #3 | 1016.265 | 23381.68 | 2191.252 | 855.3458 | 1602.978 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-19DLX2 Acquired: 10/26/2024 21:49:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE466 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2034084 | -.031623 | .2279162 | .0034228 | .0106911 | 91.25342 | .9780175 |
| Stddev | .0076050 | .004556 | .0014412 | .0029125 | .0022384 | .08701 | .0023342 |
| %RSD | 3.738777 | 14.40715 | .6323194 | 85.09013 | 20.93757 | .0953468 | .2386681 |
| #1 | .1955785 | -.026769 | .2295061 | .0005606 | .0083789 | 91.21025 | .9760749 |
| #2 | .2107665 | -.032292 | .2266957 | .0033248 | .0128477 | 91.35357 | .9806069 |
| #3 | .2038803 | -.035807 | .2275467 | .0063831 | .0108467 | 91.19644 | .9773706 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0053053 | .0049238 | 38.17030 | .2016791 | .1129352 | .7756220 | 217.6421 |
| Stddev | .0001667 | .0001437 | .10579 | .0006965 | .0005921 | .0060079 | .6010 |
| %RSD | 3.141741 | 2.917511 | .2771561 | .3453437 | .5242572 | .7745854 | .2761494 |
| #1 | .0053676 | .0048202 | 38.05042 | .2012656 | .1136149 | .7825536 | 217.3004 |
| #2 | .0054318 | .0048633 | 38.25058 | .2024832 | .1126588 | .7723977 | 218.3360 |
| #3 | .0051164 | .0050878 | 38.20989 | .2012885 | .1125319 | .7719145 | 217.2897 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 5.001711 | 42.67764 | .2110071 | -.016939 | 1.313930 | .4180521 | .6305437 |
| Stddev | .028594 | .07251 | .0007750 | .000508 | .184522 | .0086815 | .0030124 |
| %RSD | .5716791 | .1699051 | .3672667 | 3.000369 | 14.04353 | 2.076664 | .4777394 |
| #1 | 4.987319 | 42.61165 | .2107395 | -.016733 | 1.386416 | .4080344 | .6335929 |
| #2 | 5.034641 | 42.75527 | .2104013 | -.017518 | 1.104171 | .4233817 | .6275696 |
| #3 | 4.983173 | 42.66602 | .2118804 | -.016567 | 1.451203 | .4227403 | .6304688 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 27.98690 | 7.184569 | .2376644 | .0011765 | 1.816785 | 3.518848 | .0030281 |
| Stddev | .09898 | .007888 | .0023531 | .0002193 | .008252 | .016726 | .0006987 |
| %RSD | .3536740 | .1097960 | .9901072 | 18.63812 | .4542334 | .4753209 | 23.07524 |
| #1 | 28.09247 | 7.176395 | .2364490 | .0014217 | 1.807348 | 3.510261 | .0037974 |
| #2 | 27.97205 | 7.185174 | .2403767 | .0009991 | 1.822648 | 3.538124 | .0024330 |
| #3 | 27.89618 | 7.192137 | .2361674 | .0011088 | 1.820359 | 3.508160 | .0028538 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-19DLX2 Acquired: 10/26/2024 21:49:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE466 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.462641 | .0609201 | .2827888 |
| Stddev | .004738 | .0009583 | .0004815 |
| %RSD | .1923934 | 1.573126 | .1702572 |
| | | | |
| #1 | 2.462932 | .0619246 | .2830498 |
| #2 | 2.467227 | .0608197 | .2830835 |
| #3 | 2.457764 | .0600158 | .2822332 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1012.545 | 23383.82 | 2179.937 | 856.7927 | 1625.945 |
| Stddev | .675 | 45.53 | 6.856 | 4.5957 | 1.578 |
| %RSD | .0666507 | .1947039 | .3145102 | .5363858 | .0970747 |
| | | | | | |
| #1 | 1011.766 | 23333.04 | 2178.671 | 852.4611 | 1627.629 |
| #2 | 1012.915 | 23421.02 | 2173.802 | 861.6134 | 1625.706 |
| #3 | 1012.954 | 23397.39 | 2187.338 | 856.3037 | 1624.500 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCV007 Acquired: 10/26/2024 21:53:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV007 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 5.128537 | 4.757570 | 25.08782 | 4.714276 | 4.803557 | 408.9051 | 10.17849 |
| Stddev | .019874 | .017849 | .09951 | .011916 | .006875 | .4790 | .01539 |
| %RSD | .3875129 | .3751790 | .3966463 | .2527738 | .1431245 | .1171304 | .1512135 |
| #1 | 5.109322 | 4.737139 | 24.97840 | 4.710030 | 4.802519 | 409.4580 | 10.19514 |
| #2 | 5.127279 | 4.770136 | 25.11215 | 4.727734 | 4.810893 | 408.6411 | 10.17555 |
| #3 | 5.149009 | 4.765435 | 25.17290 | 4.705064 | 4.797261 | 408.6163 | 10.16478 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .5386976 | 2.534465 | 410.3476 | 15.14300 | 2.534470 | 14.70938 | 412.8337 |
| Stddev | .0045507 | .011655 | .9250 | .01325 | .007340 | .01062 | .7266 |
| %RSD | .8447590 | .4598525 | .2254158 | .0874761 | .2895978 | .0721655 | .1759939 |
| #1 | .5435495 | 2.522353 | 411.4145 | 15.13142 | 2.526923 | 14.71344 | 413.6531 |
| #2 | .5345243 | 2.535440 | 409.7707 | 15.14013 | 2.534903 | 14.69733 | 412.2682 |
| #3 | .5380192 | 2.545601 | 409.8577 | 15.15744 | 2.541583 | 14.71736 | 412.5796 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 14.85494 | 415.8379 | 2.516205 | 1.298238 | 405.7001 | 2.469632 | 14.44685 |
| Stddev | .04119 | .6541 | .007684 | .002998 | .5997 | .005026 | .12877 |
| %RSD | .2772833 | .1572999 | .3053657 | .2309085 | .1478069 | .2035029 | .8913153 |
| #1 | 14.90163 | 416.5447 | 2.508601 | 1.301601 | 406.3925 | 2.465122 | 14.46158 |
| #2 | 14.82375 | 415.2538 | 2.516048 | 1.295848 | 405.3543 | 2.468725 | 14.56762 |
| #3 | 14.83944 | 415.7153 | 2.523966 | 1.297264 | 405.3534 | 2.475050 | 14.31135 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 154.3426 | 4.939061 | 5.026807 | 4.746615 | 5.059848 | 4.985327 | 5.042079 |
| Stddev | .3302 | .009994 | .025181 | .012333 | .030925 | .032258 | .022981 |
| %RSD | .2139694 | .2023548 | .5009336 | .2598287 | .6111922 | .6470616 | .4557838 |
| #1 | 154.6581 | 4.931547 | 5.030406 | 4.733055 | 5.039488 | 5.001012 | 5.021299 |
| #2 | 154.3703 | 4.935232 | 5.000020 | 4.749626 | 5.044621 | 4.948225 | 5.038178 |
| #3 | 153.9993 | 4.950404 | 5.049994 | 4.757164 | 5.095434 | 5.006742 | 5.066761 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCV007 Acquired: 10/26/2024 21:53:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV007 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 4.924882 | 5.092811 | 4.993150 |
| Stddev | .013640 | .005648 | .006784 |
| %RSD | .2769658 | .1109007 | .1358632 |
| | | | |
| #1 | 4.940507 | 5.097905 | 5.000979 |
| #2 | 4.915355 | 5.093791 | 4.989484 |
| #3 | 4.918782 | 5.086737 | 4.988989 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 762.6415 | 19763.21 | 1937.719 | 603.7582 | 1325.941 |
| Stddev | 1.4166 | 29.46 | 6.118 | 5.8780 | 4.366 |
| %RSD | .1857472 | .1490846 | .3157491 | .9735643 | .3292520 |
| | | | | | |
| #1 | 764.2648 | 19763.46 | 1933.707 | 602.9910 | 1330.427 |
| #2 | 761.6557 | 19733.61 | 1944.761 | 598.3015 | 1325.691 |
| #3 | 762.0038 | 19792.54 | 1934.688 | 609.9821 | 1321.706 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCB007 Acquired: 10/26/2024 21:58:11 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB007 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.001506 | .0013813 | .0025678 | .0001908 | -.000631 | .0306395 | .0006382 |
| Stddev | .001802 | .0016388 | .0013843 | .0014544 | .001500 | .0195061 | .0002655 |
| %RSD | 119.6191 | 118.6447 | 53.91045 | 762.3795 | 237.8807 | 63.66319 | 41.59825 |
| #1 | -.002954 | .0016917 | .0020496 | .0002317 | -.002169 | .0484269 | .0003382 |
| #2 | .000511 | .0028427 | .0015173 | -.001284 | .000829 | .0097794 | .0008427 |
| #3 | -.002076 | -.000391 | .0041364 | .001624 | -.000552 | .0337122 | .0007337 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000133 | .0000388 | .0245398 | .0002936 | .0004450 | -.001422 | .0248695 |
| Stddev | .000049 | .0000654 | .0226939 | .0005420 | .0005112 | .001247 | .0387354 |
| %RSD | 37.05629 | 168.4703 | 92.47816 | 184.6283 | 114.8787 | 87.66617 | 155.7544 |
| #1 | -.000183 | .0001023 | .0487522 | .0005253 | -.000143 | -.002751 | .0684223 |
| #2 | -.000132 | .0000426 | .0211130 | -.000326 | .000784 | -.000279 | .0119134 |
| #3 | -.000085 | -.000028 | .0037541 | .000681 | .000694 | -.001237 | -.005727 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0008509 | -.061773 | .0005123 | .0005314 | -.287417 | .0061360 | .0003650 |
| Stddev | .0004794 | .072184 | .0002479 | .0004024 | .117849 | .0038691 | .0007186 |
| %RSD | 56.33483 | 116.8524 | 48.38432 | 75.71612 | 41.00293 | 63.05570 | 196.8814 |
| #1 | .0014040 | .020212 | .0004875 | .0001760 | -.405617 | .0041294 | -.000289 |
| #2 | .0005548 | -.089758 | .0002778 | .0004500 | -.169921 | .0036825 | .001134 |
| #3 | .0005941 | -.115775 | .0007716 | .0009683 | -.286713 | .0105962 | .000250 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.235005 | .0005503 | .0006498 | .0007120 | .0019554 | -.001768 | .0003805 |
| Stddev | .183262 | .0040998 | .0009448 | .0001576 | .0072461 | .000179 | .0009158 |
| %RSD | 77.98222 | 744.9870 | 145.3910 | 22.13646 | 370.5646 | 10.12397 | 240.6964 |
| #1 | -.408443 | .0050202 | .0009080 | .0005638 | -.004442 | -.001719 | -.000663 |
| #2 | -.043288 | -.000335 | .0014387 | .0006946 | .009824 | -.001966 | .000753 |
| #3 | -.253285 | -.003035 | -.000397 | .0008775 | .000485 | -.001618 | .001052 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCB007 Acquired: 10/26/2024 21:58:11 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB007 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | -.003154 | -.005771 | .0001321 |
| Stddev | .000584 | .001426 | .0000774 |
| %RSD | 18.51897 | 24.70748 | 58.59794 |
| | | | |
| #1 | -.003826 | -.005329 | .0001974 |
| #2 | -.002876 | -.007366 | .0000466 |
| #3 | -.002761 | -.004619 | .0001523 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 959.4611 | 21719.97 | 2039.533 | 803.1927 | 1744.899 |
| Stddev | 1.1226 | 61.50 | 2.281 | 1.8030 | 2.607 |
| %RSD | .1170079 | .2831457 | .1118174 | .2244849 | .1493969 |
| | | | | | |
| #1 | 960.6814 | 21771.72 | 2039.068 | 801.7448 | 1744.966 |
| #2 | 959.2297 | 21736.21 | 2042.011 | 805.2123 | 1747.471 |
| #3 | 958.4722 | 21651.98 | 2037.521 | 802.6211 | 1742.259 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-20DLX2 Acquired: 10/26/2024 22:02:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE467 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1987684 | -.026177 | .1694379 | -.005939 | .0073661 | 96.16127 | 1.147240 |
| Stddev | .0068879 | .003496 | .0045357 | .006287 | .0025116 | .11329 | .003376 |
| %RSD | 3.465271 | 13.35543 | 2.676930 | 105.8606 | 34.09709 | .1178103 | .2942998 |
| #1 | .1908330 | -.029475 | .1698465 | -.005831 | .0060328 | 96.03192 | 1.144536 |
| #2 | .2022726 | -.022512 | .1737555 | -.012278 | .0058023 | 96.24282 | 1.146159 |
| #3 | .2031997 | -.026546 | .1647116 | .000293 | .0102633 | 96.20907 | 1.151024 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0048863 | .0027515 | 50.11494 | .1981814 | .1111005 | .4610053 | 205.7239 |
| Stddev | .0000840 | .0001687 | .15916 | .0005741 | .0003584 | .0010482 | .4075 |
| %RSD | 1.719635 | 6.131553 | .3175854 | .2897034 | .3225470 | .2273718 | .1980836 |
| #1 | .0049349 | .0026534 | 50.05306 | .1988246 | .1114673 | .4611878 | 205.8647 |
| #2 | .0047893 | .0029463 | 49.99601 | .1977208 | .1110827 | .4619503 | 205.2647 |
| #3 | .0049348 | .0026548 | 50.29574 | .1979989 | .1107513 | .4598779 | 206.0424 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 5.599904 | 42.75937 | .2070803 | -.016258 | .8507512 | .3930705 | .4564850 |
| Stddev | .029812 | .21976 | .0006500 | .000186 | .1928835 | .0019297 | .0029016 |
| %RSD | .5323668 | .5139419 | .3139019 | 1.144217 | 22.67214 | .4909401 | .6356297 |
| #1 | 5.581328 | 42.92281 | .2070950 | -.016409 | .7562731 | .3908425 | .4580886 |
| #2 | 5.584093 | 42.50954 | .2064230 | -.016051 | .7233208 | .3942143 | .4531356 |
| #3 | 5.634291 | 42.84575 | .2077228 | -.016315 | 1.072660 | .3941547 | .4582308 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 23.39545 | 5.228540 | .2271623 | .0016667 | .8808301 | 3.213256 | .0039439 |
| Stddev | .12430 | .003262 | .0011219 | .0004008 | .0048667 | .007675 | .0006593 |
| %RSD | .5312794 | .0623958 | .4938866 | 24.04813 | .5525163 | .2388418 | 16.71709 |
| #1 | 23.49013 | 5.229725 | .2275153 | .0021243 | .8837210 | 3.211735 | .0044395 |
| #2 | 23.25470 | 5.224850 | .2259063 | .0014981 | .8835580 | 3.206456 | .0031956 |
| #3 | 23.44152 | 5.231044 | .2280652 | .0013778 | .8752113 | 3.221577 | .0041966 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-20DLX2 Acquired: 10/26/2024 22:02:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE467 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.526581 | .0621556 | .2707739 |
| Stddev | .005611 | .0014702 | .0004594 |
| %RSD | .2220896 | 2.365292 | .1696472 |
| | | | |
| #1 | 2.526420 | .0604640 | .2703900 |
| #2 | 2.521052 | .0631248 | .2712829 |
| #3 | 2.532271 | .0628780 | .2706490 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1017.245 | 23470.44 | 2217.208 | 860.1885 | 1612.765 |
| Stddev | 2.245 | 32.85 | 6.996 | 1.4931 | 2.326 |
| %RSD | .2207241 | .1399774 | .3155253 | .1735788 | .1442276 |
| | | | | | |
| #1 | 1018.565 | 23505.53 | 2219.728 | 858.8452 | 1615.421 |
| #2 | 1014.652 | 23440.42 | 2222.596 | 861.7961 | 1611.783 |
| #3 | 1018.518 | 23465.37 | 2209.302 | 859.9241 | 1611.091 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-21DLX2 Acquired: 10/26/2024 22:07:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE468 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1777447 | -.028653 | .1493977 | -.008936 | .0057518 | 103.0890 | 1.171505 |
| Stddev | .0029841 | .001727 | .0015680 | .008708 | .0047893 | .3980 | .005272 |
| %RSD | 1.678867 | 6.027075 | 1.049572 | 97.44739 | 83.26624 | .3860616 | .4499913 |
| #1 | .1790977 | -.030274 | .1480130 | .000189 | .0071006 | 102.9733 | 1.171490 |
| #2 | .1798126 | -.026837 | .1511003 | -.017158 | .0004327 | 103.5320 | 1.176784 |
| #3 | .1743238 | -.028848 | .1490799 | -.009840 | .0097221 | 102.7617 | 1.166240 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0055766 | .0020306 | 35.90967 | .2262108 | .1286720 | .4588870 | 219.9531 |
| Stddev | .0002346 | .0002155 | .19259 | .0025164 | .0001680 | .0039265 | .3958 |
| %RSD | 4.207062 | 10.61243 | .5363289 | 1.112393 | .1305830 | .8556556 | .1799482 |
| #1 | .0057689 | .0022626 | 35.91395 | .2244861 | .1284923 | .4587709 | 219.9722 |
| #2 | .0053152 | .0018367 | 36.10008 | .2250479 | .1288252 | .4628702 | 220.3390 |
| #3 | .0056458 | .0019926 | 35.71497 | .2290982 | .1286985 | .4550198 | 219.5481 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 5.758076 | 46.80478 | .2217201 | -.018602 | 1.077361 | .4101285 | .4837040 |
| Stddev | .024586 | .22557 | .0013643 | .000328 | .446818 | .0073598 | .0034964 |
| %RSD | .4269822 | .4819314 | .6153304 | 1.765404 | 41.47339 | 1.794505 | .7228406 |
| #1 | 5.763662 | 46.94352 | .2229657 | -.018526 | .695013 | .4092845 | .4825442 |
| #2 | 5.779387 | 46.92631 | .2202620 | -.018962 | .968529 | .4032272 | .4809348 |
| #3 | 5.731177 | 46.54451 | .2219326 | -.018318 | 1.568542 | .4178739 | .4876329 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 29.46965 | 5.686858 | .2352492 | .0020601 | .9527459 | 3.558602 | .0049898 |
| Stddev | .24392 | .022892 | .0008903 | .0002075 | .0099885 | .018151 | .0007282 |
| %RSD | .8276930 | .4025353 | .3784592 | 10.07297 | 1.048389 | .5100583 | 14.59365 |
| #1 | 29.64894 | 5.692012 | .2353121 | .0022683 | .9623712 | 3.549975 | .0050969 |
| #2 | 29.56812 | 5.661828 | .2361064 | .0018533 | .9424301 | 3.579458 | .0042140 |
| #3 | 29.19189 | 5.706732 | .2343291 | .0020585 | .9534363 | 3.546374 | .0056585 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-21DLX2 Acquired: 10/26/2024 22:07:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE468 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.193097 | .0664747 | .2383671 |
| Stddev | .004555 | .0007207 | .0005402 |
| %RSD | .2076985 | 1.084227 | .2266166 |
| | | | |
| #1 | 2.189427 | .0672362 | .2386934 |
| #2 | 2.198195 | .0658031 | .2386643 |
| #3 | 2.191670 | .0663850 | .2377436 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1030.900 | 23560.05 | 2175.763 | 859.4582 | 1621.924 |
| Stddev | 2.065 | 24.78 | 8.991 | 2.1971 | 5.986 |
| %RSD | .2002665 | .1051963 | .4132333 | .2556401 | .3690637 |
| | | | | | |
| #1 | 1028.519 | 23572.02 | 2179.295 | 861.1111 | 1615.702 |
| #2 | 1031.982 | 23576.58 | 2165.543 | 860.2985 | 1622.426 |
| #3 | 1032.199 | 23531.56 | 2182.452 | 856.9649 | 1627.643 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-22DLX2 Acquired: 10/26/2024 22:11:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE469 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2748987 | -.037458 | .2224724 | -.006087 | .0076898 | 147.0651 | 1.802284 |
| Stddev | .0022316 | .000657 | .0070600 | .006732 | .0026385 | .5261 | .005486 |
| %RSD | .8117995 | 1.755282 | 3.173414 | 110.5949 | 34.31204 | .3577424 | .3043713 |
| #1 | .2772369 | -.037272 | .2143822 | -.006466 | .0050726 | 147.0727 | 1.805050 |
| #2 | .2727917 | -.038188 | .2256488 | -.012621 | .0076477 | 146.5353 | 1.795966 |
| #3 | .2746675 | -.036913 | .2273863 | .000827 | .0103492 | 147.5874 | 1.805836 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0072756 | .0037845 | 63.36074 | .2721367 | .1506175 | .6072712 | 273.8396 |
| Stddev | .0000342 | .0002300 | .09386 | .0008053 | .0002188 | .0053641 | .7808 |
| %RSD | .4702154 | 6.076273 | .1481367 | .2959271 | .1452867 | .8833138 | .2851259 |
| #1 | .0072623 | .0035644 | 63.43624 | .2721571 | .1506545 | .6042692 | 273.7925 |
| #2 | .0072501 | .0040231 | 63.25565 | .2729317 | .1503825 | .6040803 | 273.0834 |
| #3 | .0073145 | .0037660 | 63.39033 | .2713214 | .1508155 | .6134642 | 274.6429 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 10.36699 | 64.65884 | .2703855 | -.021994 | 1.258637 | .4930448 | .6484436 |
| Stddev | .03734 | .15731 | .0012485 | .000418 | .111972 | .0045101 | .0041142 |
| %RSD | .3601570 | .2432882 | .4617324 | 1.898902 | 8.896311 | .9147504 | .6344756 |
| #1 | 10.40232 | 64.60388 | .2706482 | -.021538 | 1.345766 | .4919341 | .6458428 |
| #2 | 10.32793 | 64.53639 | .2690265 | -.022086 | 1.297801 | .4980065 | .6531869 |
| #3 | 10.37072 | 64.83626 | .2714816 | -.022358 | 1.132343 | .4891938 | .6463011 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 32.89853 | 6.535985 | .2958842 | .0013089 | 1.622393 | 4.222338 | .0053527 |
| Stddev | .15794 | .021379 | .0006696 | .0006162 | .005747 | .022195 | .0033922 |
| %RSD | .4800801 | .3270919 | .2263004 | 47.07927 | .3542593 | .5256481 | 63.37246 |
| #1 | 32.88763 | 6.538480 | .2966287 | .0007284 | 1.622405 | 4.197750 | .0053385 |
| #2 | 32.74632 | 6.513468 | .2956928 | .0019554 | 1.616640 | 4.228372 | .0087520 |
| #3 | 33.06164 | 6.556006 | .2953312 | .0012428 | 1.628135 | 4.240892 | .0019677 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4477-22DLX2 Acquired: 10/26/2024 22:11:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE469 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.546894 | .1113638 | .2954464 |
| Stddev | .014535 | .0027752 | .0008514 |
| %RSD | .5707030 | 2.492005 | .2881715 |
| | | | |
| #1 | 2.549771 | .1104432 | .2952822 |
| #2 | 2.531135 | .1091658 | .2946891 |
| #3 | 2.559775 | .1144823 | .2963679 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1032.472 | 23751.75 | 2243.146 | 868.5350 | 1582.167 |
| Stddev | .820 | 65.28 | 4.790 | 6.5921 | 2.137 |
| %RSD | .0794338 | .2748442 | .2135292 | .7589899 | .1350672 |
| | | | | | |
| #1 | 1033.418 | 23697.36 | 2248.560 | 870.8898 | 1582.305 |
| #2 | 1032.024 | 23733.75 | 2241.419 | 861.0889 | 1584.232 |
| #3 | 1031.973 | 23824.14 | 2239.460 | 873.6264 | 1579.964 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: PB164346BL Acquired: 10/26/2024 22:15:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS346 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0016486 | .0018171 | -.000147 | -.006618 | .0010376 | .0183162 | -.000266 |
| Stddev | .0002129 | .0029935 | .002314 | .003069 | .0018339 | .0068268 | .000243 |
| %RSD | 12.91158 | 164.7413 | 1575.694 | 46.37025 | 176.7405 | 37.27194 | 91.37805 |
| #1 | .0018907 | -.000312 | .002053 | -.005500 | .0022968 | .0129471 | .000005 |
| #2 | .0014907 | .000523 | -.002561 | -.004265 | .0018825 | .0259993 | -.000337 |
| #3 | .0015644 | .005240 | .000068 | -.010089 | -.001066 | .0160023 | -.000465 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000287 | -.000181 | .0160648 | .0001468 | .0004556 | -.000279 | -.005230 |
| Stddev | .000066 | .000126 | .0088706 | .0002832 | .0001618 | .002524 | .028340 |
| %RSD | 23.15314 | 69.70003 | 55.21757 | 192.9193 | 35.52072 | 906.2656 | 541.8848 |
| #1 | -.000304 | -.000035 | .0259803 | .0000684 | .0003040 | .002587 | .027086 |
| #2 | -.000214 | -.000254 | .0088824 | -.000089 | .0004367 | -.001248 | -.016925 |
| #3 | -.000344 | -.000253 | .0133316 | .000461 | .0006260 | -.002174 | -.025851 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0005404 | -.106701 | -.000150 | .0007979 | -.202709 | .0074230 | -.000630 |
| Stddev | .0008992 | .045037 | .000378 | .0004341 | .119670 | .0061292 | .000261 |
| %RSD | 166.3894 | 42.20898 | 252.7831 | 54.40593 | 59.03544 | 82.57031 | 41.40617 |
| #1 | .0011475 | -.136558 | -.000518 | .0009197 | -.325046 | .0054998 | -.000405 |
| #2 | -.000493 | -.054897 | -.000169 | .0011580 | -.197186 | .0024861 | -.000570 |
| #3 | .000966 | -.128647 | .000238 | .0003159 | -.085896 | .0142833 | -.000916 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.228003 | .0000821 | -.004680 | .0002243 | -.003970 | .0003323 | -.000949 |
| Stddev | .104426 | .0032312 | .001000 | .0002852 | .004263 | .0006425 | .000467 |
| %RSD | 45.80042 | 3937.802 | 21.37643 | 127.1343 | 107.3668 | 193.3470 | 49.18617 |
| #1 | -.208824 | .0025528 | -.005660 | .0005169 | -.006160 | .0009689 | -.001350 |
| #2 | -.134496 | -.003574 | -.003661 | .0002089 | -.006694 | .0003439 | -.000437 |
| #3 | -.340690 | .001268 | -.004718 | -.000053 | .000942 | -.000316 | -.001060 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: PB164346BL Acquired: 10/26/2024 22:15:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS346 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | -.000709 | -.008198 | -.000013 |
| Stddev | .001441 | .001441 | .000114 |
| %RSD | 203.3372 | 17.58079 | 903.3045 |
| | | | |
| #1 | .000858 | -.009167 | .000108 |
| #2 | -.001006 | -.008886 | -.000117 |
| #3 | -.001977 | -.006542 | -.000029 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 955.8797 | 21653.22 | 2015.850 | 800.6674 | 1743.877 |
| Stddev | 1.6245 | 65.65 | 5.597 | 2.6993 | 2.190 |
| %RSD | .1699514 | .3031853 | .2776594 | .3371305 | .1255806 |
| | | | | | |
| #1 | 957.7504 | 21594.33 | 2010.200 | 797.8066 | 1746.209 |
| #2 | 955.0646 | 21641.33 | 2015.957 | 801.0265 | 1741.864 |
| #3 | 954.8241 | 21724.01 | 2021.393 | 803.1692 | 1743.558 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: PB164346BS Acquired: 10/26/2024 22:20:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS346 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0187619 | .0538648 | .0233368 | .0610547 | .1102478 | .4365769 |
| Stddev | .0029653 | .0019691 | .0015470 | .0061754 | .0013803 | .0072976 |
| %RSD | 15.80496 | 3.655712 | 6.628885 | 10.11451 | 1.251976 | 1.671540 |
| #1 | .0172515 | .0520473 | .0226471 | .0677004 | .1093850 | .4353914 |
| #2 | .0168558 | .0535904 | .0251086 | .0554932 | .1118397 | .4443946 |
| #3 | .0221783 | .0559568 | .0222546 | .0599704 | .1095186 | .4299446 |

| Elem | Ba4934 | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .4309508 | .0118190 | .0109999 | 11.16628 | .0224866 | .1046648 |
| Stddev | .0003385 | .0001058 | .0000566 | .05821 | .0001600 | .0006378 |
| %RSD | .0785553 | .8949990 | .5145128 | .5213254 | .7114542 | .6093518 |
| #1 | .4311297 | .0117086 | .0110317 | 11.15402 | .0225465 | .1047160 |
| #2 | .4311624 | .0119195 | .0110334 | 11.22964 | .0223053 | .1052754 |
| #3 | .4305604 | .0118289 | .0109345 | 11.11517 | .0226079 | .1040029 |

| Elem | Cu3247 | Fe2598 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0506746 | .2205437 | .0337521 | 11.17412 | .0878396 | .0241744 |
| Stddev | .0019886 | .0269650 | .0002826 | .06214 | .0004092 | .0002418 |
| %RSD | 3.924272 | 12.22659 | .8371959 | .5560669 | .4658685 | 1.000270 |
| #1 | .0500301 | .1921985 | .0336388 | 11.18331 | .0883117 | .0238993 |
| #2 | .0490882 | .2235573 | .0335437 | 11.23114 | .0876198 | .0242706 |
| #3 | .0529055 | .2458752 | .0340737 | 11.10789 | .0875872 | .0243533 |

| Elem | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 10.31139 | .1128030 | .1137610 | 9.996122 | .0175524 | F -.003537 |
| Stddev | .20993 | .0147850 | .0006046 | .182804 | .0001438 | .001994 |
| %RSD | 2.035861 | 13.10689 | .5314867 | 1.828751 | .8194860 | 56.36659 |
| #1 | 10.08687 | .1289265 | .1135654 | 10.06289 | .0173971 | -.001811 |
| #2 | 10.50279 | .1096011 | .1144393 | 10.13615 | .0176810 | -.005720 |
| #3 | 10.34449 | .0998813 | .1132785 | 9.78932 | .0175790 | -.003081 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: PB164346BS Acquired: 10/26/2024 22:20:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS346 Custom ID2: Custom ID3:
Comment:

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | F .0193717 | .1796128 | F .4667864 | .0137586 | .2063963 | .0231605 |
| Stddev | .0003471 | .0019244 | .0049610 | .0002979 | .0009605 | .0012666 |
| %RSD | 1.791880 | 1.071440 | 1.062804 | 2.164893 | .4653808 | 5.468676 |
| #1 | .0191221 | .1798436 | .4670798 | .0137918 | .2072293 | .0236517 |
| #2 | .0192249 | .1814114 | .4715943 | .0134455 | .2066139 | .0217219 |
| #3 | .0197681 | .1775833 | .4616853 | .0140384 | .2053456 | .0241079 |

| Elem | Sr4077 |
|---|---|
| Units | ppm |
| Avg | .2116688 |
| Stddev | .0004302 |
| %RSD | .2032294 |
| #1 | .2117980 |
| #2 | .2120196 |
| #3 | .2111889 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 952.0324 | 21702.89 | 2037.723 | 805.4402 | 1701.132 |
| Stddev | 1.8146 | 14.07 | 15.325 | .9226 | 2.899 |
| %RSD | .1906036 | .0648340 | .7520724 | .1145456 | .1703880 |
| #1 | 952.1778 | 21703.15 | 2038.533 | 804.4032 | 1699.164 |
| #2 | 953.7700 | 21716.83 | 2022.009 | 806.1703 | 1704.461 |
| #3 | 950.1495 | 21688.69 | 2052.627 | 805.7469 | 1699.772 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: PB164346BSD Acquired: 10/26/2024 22:24:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD346 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0086829 | .0279495 | .0149268 | .0260360 | .0554986 | .2761050 | .2085577 |
| Stddev | .0026768 | .0020994 | .0011804 | .0022576 | .0011703 | .0094235 | .0014636 |
| %RSD | 30.82792 | 7.511359 | 7.907923 | 8.671008 | 2.108741 | 3.413029 | .7017854 |
| #1 | .0058058 | .0258154 | .0162153 | .0283694 | .0548582 | .2815138 | .2094327 |
| #2 | .0091435 | .0280208 | .0146676 | .0238627 | .0568494 | .2815775 | .2093725 |
| #3 | .0110995 | .0300123 | .0138976 | .0258760 | .0547882 | .2652237 | .2068681 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0056310 | .0053082 | 5.451010 | .0110820 | .0498724 | .0254276 | .1265785 |
| Stddev | .0001638 | .0001057 | .031666 | .0009439 | .0006889 | .0033748 | .0256333 |
| %RSD | 2.908521 | 1.990224 | .5809143 | 8.517582 | 1.381389 | 13.27209 | 20.25096 |
| #1 | .0054590 | .0052094 | 5.440426 | .0107700 | .0504074 | .0238946 | .1391914 |
| #2 | .0057851 | .0054196 | 5.486612 | .0121425 | .0501149 | .0292968 | .0970825 |
| #3 | .0056488 | .0052956 | 5.425993 | .0103336 | .0490951 | .0230914 | .1434615 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0159361 | 5.422888 | .0423561 | .0118304 | 4.876647 | .0585697 | .0557900 |
| Stddev | .0018885 | .110357 | .0006052 | .0004553 | .318395 | .0043932 | .0005079 |
| %RSD | 11.85068 | 2.035024 | 1.428732 | 3.848377 | 6.528976 | 7.500732 | .9104001 |
| #1 | .0157088 | 5.299254 | .0428972 | .0113563 | 5.196732 | .0536868 | .0563762 |
| #2 | .0141715 | 5.511437 | .0417027 | .0122642 | 4.873238 | .0598204 | .0555124 |
| #3 | .0179280 | 5.457975 | .0424686 | .0118706 | 4.559970 | .0622019 | .0554814 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 4.695538 | .0084934 | -.004279 | .0098619 | .0886587 | .2291529 | .0051076 |
| Stddev | .108285 | .0033496 | .000880 | .0004534 | .0029570 | .0022878 | .0010916 |
| %RSD | 2.306123 | 39.43726 | 20.56461 | 4.597542 | 3.335290 | .9983922 | 21.37256 |
| #1 | 4.589915 | .0086716 | -.003618 | .0098622 | .0864430 | .2270251 | .0063138 |
| #2 | 4.806302 | .0117502 | -.003941 | .0103151 | .0875167 | .2315728 | .0048214 |
| #3 | 4.690399 | .0050583 | -.005278 | .0094083 | .0920164 | .2288608 | .0041876 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: PB164346BSD Acquired: 10/26/2024 22:24:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD346 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | .1002320 | .0056363 | .1036853 |
| Stddev | .0013457 | .0022932 | .0009824 |
| %RSD | 1.342629 | 40.68600 | .9474923 |
| | | | |
| #1 | .1012793 | .0066990 | .1033505 |
| #2 | .0987142 | .0030046 | .1047914 |
| #3 | .1007027 | .0072054 | .1029141 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 954.5607 | 21709.23 | 1993.367 | 800.7741 | 1727.866 |
| Stddev | .4611 | 14.69 | 16.202 | 4.3083 | 3.371 |
| %RSD | .0483015 | .0676590 | .8127711 | .5380223 | .1950718 |
| | | | | | |
| #1 | 954.2037 | 21692.28 | 2001.214 | 797.9770 | 1724.379 |
| #2 | 955.0812 | 21718.06 | 1974.736 | 805.7355 | 1731.107 |
| #3 | 954.3970 | 21717.36 | 2004.150 | 798.6097 | 1728.113 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-01DLX2 Acquired: 10/26/2024 22:29:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE470 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2565427 | -.033329 | .2204470 | .0039906 | .0098683 | 110.5597 | 1.139891 |
| Stddev | .0059462 | .003937 | .0050970 | .0123564 | .0047829 | .3044 | .002335 |
| %RSD | 2.317834 | 11.81222 | 2.312141 | 309.6404 | 48.46719 | .2752918 | .2048751 |
| #1 | .2556677 | -.037864 | .2261746 | .0153607 | .0061359 | 110.8952 | 1.142361 |
| #2 | .2510825 | -.030788 | .2164103 | -.009159 | .0152598 | 110.3012 | 1.137719 |
| #3 | .2628780 | -.031336 | .2187562 | .005770 | .0082092 | 110.4829 | 1.139594 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0060785 | .0039693 | 68.77349 | .2354305 | .1385050 | .6517684 | 262.5157 |
| Stddev | .0002569 | .0003052 | .23283 | .0012606 | .0001498 | .0028219 | .5631 |
| %RSD | 4.225834 | 7.690101 | .3385412 | .5354502 | .1081632 | .4329620 | .2144843 |
| #1 | .0058405 | .0036929 | 68.79984 | .2368760 | .1383885 | .6486567 | 263.1254 |
| #2 | .0063508 | .0042969 | 68.52860 | .2348571 | .1386740 | .6541617 | 262.0152 |
| #3 | .0060444 | .0039181 | 68.99201 | .2345586 | .1384525 | .6524866 | 262.4066 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 6.332489 | 52.96703 | .2504833 | -.019300 | 1.324593 | .4795347 | .5729505 |
| Stddev | .015853 | .09969 | .0017898 | .000319 | .227211 | .0090379 | .0032623 |
| %RSD | .2503507 | .1882147 | .7145196 | 1.652929 | 17.15327 | 1.884721 | .5693860 |
| #1 | 6.337069 | 53.04910 | .2498501 | -.019518 | 1.444107 | .4713810 | .5762236 |
| #2 | 6.314850 | 52.99590 | .2490963 | -.019449 | 1.467103 | .4892526 | .5729289 |
| #3 | 6.345548 | 52.85609 | .2525036 | -.018934 | 1.062568 | .4779705 | .5696991 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 23.89499 | 5.879001 | .2761210 | -.000185 | 1.266739 | 1.877656 | .0046772 |
| Stddev | .15759 | .018877 | .0029924 | .000546 | .015210 | .001147 | .0022300 |
| %RSD | .6595140 | .3210978 | 1.083741 | 295.5865 | 1.200689 | .0610892 | 47.67889 |
| #1 | 24.07465 | 5.857442 | .2795016 | .000309 | 1.275432 | 1.876431 | .0040884 |
| #2 | 23.83017 | 5.886992 | .2750499 | -.000771 | 1.249177 | 1.878705 | .0071425 |
| #3 | 23.78015 | 5.892568 | .2738116 | -.000093 | 1.275608 | 1.877833 | .0028006 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-01DLX2 Acquired: 10/26/2024 22:29:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE470 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.356645 | .0758746 | .3108064 |
| Stddev | .005517 | .0006305 | .0013490 |
| %RSD | .2341186 | .8309459 | .4340295 |
| | | | |
| #1 | 2.360614 | .0764296 | .3123633 |
| #2 | 2.350344 | .0751891 | .3100698 |
| #3 | 2.358976 | .0760050 | .3099860 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1010.898 | 23334.74 | 2158.767 | 853.8182 | 1602.601 |
| Stddev | 1.257 | 32.83 | 3.459 | 5.1890 | 4.010 |
| %RSD | .1242969 | .1406838 | .1602272 | .6077355 | .2502197 |
| | | | | | |
| #1 | 1009.638 | 23309.20 | 2154.864 | 848.4712 | 1603.155 |
| #2 | 1012.151 | 23371.77 | 2161.453 | 854.1501 | 1606.304 |
| #3 | 1010.906 | 23323.26 | 2159.985 | 858.8332 | 1598.342 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-02DLX2 Acquired: 10/26/2024 22:33:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE471 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1677882 | -.035677 | .1430788 | -.007510 | .0066833 | 127.7911 | 1.414062 |
| Stddev | .0053825 | .003798 | .0073108 | .002213 | .0029239 | .2556 | .003154 |
| %RSD | 3.207939 | 10.64490 | 5.109629 | 29.46106 | 43.74922 | .1999878 | .2230416 |
| #1 | .1737151 | -.034305 | .1481954 | -.009297 | .0034566 | 127.9903 | 1.413937 |
| #2 | .1632043 | -.039971 | .1347056 | -.005035 | .0074361 | 127.8801 | 1.417277 |
| #3 | .1664452 | -.032757 | .1463353 | -.008199 | .0091572 | 127.5029 | 1.410973 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0063352 | .0026851 | 46.40269 | .2477384 | .1381697 | .4072114 | 246.9768 |
| Stddev | .0002321 | .0003081 | .04387 | .0007809 | .0001821 | .0007214 | .6575 |
| %RSD | 3.663972 | 11.47401 | .0945510 | .3152154 | .1318163 | .1771479 | .2662196 |
| #1 | .0061690 | .0025630 | 46.44535 | .2480879 | .1381263 | .4080258 | 247.6745 |
| #2 | .0062362 | .0030355 | 46.35770 | .2468438 | .1380133 | .4069556 | 246.8870 |
| #3 | .0066004 | .0024568 | 46.40501 | .2482836 | .1383697 | .4066527 | 246.3688 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 6.785188 | 53.36497 | .2440029 | -.020487 | 1.157239 | .4485965 | .5103191 |
| Stddev | .012593 | .17139 | .0001099 | .000247 | .154312 | .0119363 | .0014245 |
| %RSD | .1855910 | .3211709 | .0450220 | 1.207948 | 13.33445 | 2.660815 | .2791411 |
| #1 | 6.799520 | 53.44977 | .2439841 | -.020208 | 1.324383 | .4348527 | .5107764 |
| #2 | 6.775897 | 53.47743 | .2439036 | -.020574 | 1.127139 | .4545699 | .5087220 |
| #3 | 6.780147 | 53.16771 | .2441209 | -.020679 | 1.020195 | .4563669 | .5114587 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 29.78284 | 6.139050 | .2593613 | .0015119 | .8745025 | 3.743214 | .0035584 |
| Stddev | .15382 | .013346 | .0026027 | .0005800 | .0049510 | .003248 | .0019948 |
| %RSD | .5164564 | .2173929 | 1.003517 | 38.36414 | .5661461 | .0867626 | 56.06047 |
| #1 | 29.95903 | 6.133497 | .2576301 | .0008703 | .8705561 | 3.742780 | .0023548 |
| #2 | 29.71412 | 6.129378 | .2623544 | .0016661 | .8728937 | 3.740204 | .0058610 |
| #3 | 29.67536 | 6.154276 | .2580993 | .0019992 | .8800578 | 3.746656 | .0024593 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-02DLX2 Acquired: 10/26/2024 22:33:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE471 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.686582 | .0812008 | .2506110 |
| Stddev | .011439 | .0023029 | .0012490 |
| %RSD | .4257977 | 2.836097 | .4983615 |
| | | | |
| #1 | 2.698801 | .0807888 | .2513269 |
| #2 | 2.684816 | .0836820 | .2513372 |
| #3 | 2.676128 | .0791318 | .2491688 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1038.942 | 23873.47 | 2265.494 | 872.9650 | 1600.310 |
| Stddev | 3.170 | 69.53 | 4.836 | 1.7271 | 5.638 |
| %RSD | .3051545 | .2912608 | .2134694 | .1978478 | .3523039 |
| | | | | | |
| #1 | 1040.441 | 23801.85 | 2260.083 | 872.6566 | 1605.064 |
| #2 | 1041.085 | 23940.72 | 2269.397 | 874.8256 | 1601.785 |
| #3 | 1035.300 | 23877.86 | 2267.000 | 871.4129 | 1594.081 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-03DLX2 Acquired: 10/26/2024 22:38:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE472 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .3465433 | -.038392 | .1456500 | -.000238 | .0103593 | 143.8601 | 2.509141 |
| Stddev | .0054949 | .002982 | .0084328 | .008622 | .0019330 | .6601 | .008144 |
| %RSD | 1.585631 | 7.767154 | 5.789796 | 3624.499 | 18.65948 | .4588536 | .3245759 |
| | | | | | | | |
| #1 | .3401984 | -.040897 | .1446645 | .009137 | .0081705 | 144.5596 | 2.518192 |
| #2 | .3497438 | -.035093 | .1545323 | -.007828 | .0110750 | 143.7724 | 2.506825 |
| #3 | .3496878 | -.039186 | .1377532 | -.002023 | .0118323 | 143.2482 | 2.502406 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0069462 | .0024508 | 99.29071 | .2553969 | .1404344 | .3817890 | 273.0113 |
| Stddev | .0002379 | .0000470 | .31512 | .0015461 | .0001981 | .0057107 | .8742 |
| %RSD | 3.425288 | 1.917523 | .3173674 | .6053762 | .1410526 | 1.495778 | .3201912 |
| | | | | | | | |
| #1 | .0069700 | .0024749 | 99.64631 | .2541596 | .1406526 | .3883565 | 273.9367 |
| #2 | .0066973 | .0023967 | 99.17967 | .2571301 | .1402659 | .3790178 | 272.8979 |
| #3 | .0071713 | .0024809 | 99.04614 | .2549011 | .1403846 | .3779926 | 272.1994 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 6.590240 | 67.28072 | .3361319 | -.020656 | 1.295344 | .5275436 | .4541742 |
| Stddev | .022173 | .32646 | .0011311 | .000539 | .117286 | .0114095 | .0002528 |
| %RSD | .3364478 | .4852185 | .3365165 | 2.608306 | 9.054441 | 2.162765 | .0556576 |
| | | | | | | | |
| #1 | 6.606265 | 67.60989 | .3365744 | -.021252 | 1.165768 | .5406473 | .4544243 |
| #2 | 6.599520 | 67.27522 | .3369749 | -.020204 | 1.394243 | .5198094 | .4539189 |
| #3 | 6.564935 | 66.95705 | .3348464 | -.020512 | 1.326021 | .5221742 | .4541793 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 25.10813 | 7.576771 | .2854518 | -.001105 | .7235552 | 4.211061 | .0008684 |
| Stddev | .11078 | .013426 | .0021443 | .000805 | .0048728 | .011085 | .0032957 |
| %RSD | .4412206 | .1771935 | .7511928 | 72.82576 | .6734450 | .2632303 | 379.5191 |
| | | | | | | | |
| #1 | 25.23605 | 7.561840 | .2878366 | -.000378 | .7290759 | 4.223861 | .0010935 |
| #2 | 25.04308 | 7.580626 | .2848360 | -.001970 | .7217353 | 4.204667 | -.002534 |
| #3 | 25.04528 | 7.587847 | .2836828 | -.000967 | .7198543 | 4.204656 | .004046 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-03DLX2 Acquired: 10/26/2024 22:38:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE472 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.704057 | .1100894 | .7732286 |
| Stddev | .012161 | .0008615 | .0039246 |
| %RSD | .4497157 | .7825503 | .5075644 |
| | | | |
| #1 | 2.718055 | .1093790 | .7776695 |
| #2 | 2.696107 | .1098415 | .7717899 |
| #3 | 2.698007 | .1110476 | .7702263 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1024.715 | 23757.75 | 2276.199 | 867.7609 | 1567.538 |
| Stddev | 1.108 | 89.64 | 8.037 | 1.8765 | 1.790 |
| %RSD | .1081629 | .3772963 | .3530723 | .2162416 | .1141847 |
| | | | | | |
| #1 | 1023.545 | 23837.43 | 2268.793 | 869.7542 | 1567.042 |
| #2 | 1025.748 | 23660.70 | 2275.061 | 867.5000 | 1569.523 |
| #3 | 1024.852 | 23775.11 | 2284.745 | 866.0286 | 1566.048 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-04DLX2 Acquired: 10/26/2024 22:42:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE473 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2418252 | -.030615 | .2541865 | -.004664 | .0078959 | 111.6920 | 1.164983 |
| Stddev | .0050438 | .001836 | .0032628 | .005846 | .0022571 | .1903 | .002019 |
| %RSD | 2.085706 | 5.997234 | 1.283613 | 125.3403 | 28.58543 | .1703853 | .1733168 |
| #1 | .2400595 | -.028499 | .2575037 | -.003406 | .0079552 | 111.5279 | 1.167113 |
| #2 | .2475144 | -.031789 | .2540748 | -.011037 | .0101228 | 111.9006 | 1.163097 |
| #3 | .2379017 | -.031557 | .2509811 | .000450 | .0056098 | 111.6475 | 1.164739 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0057237 | .0058407 | 61.72475 | .2284614 | .1270176 | .7955803 | 229.7057 |
| Stddev | .0002388 | .0001334 | .10048 | .0002652 | .0006272 | .0030213 | .1673 |
| %RSD | 4.171775 | 2.284367 | .1627807 | .1160983 | .4937511 | .3797649 | .0728363 |
| #1 | .0059341 | .0057271 | 61.82197 | .2281846 | .1270231 | .7920963 | 229.8389 |
| #2 | .0057729 | .0059876 | 61.73097 | .2287134 | .1263877 | .7971647 | 229.5179 |
| #3 | .0054642 | .0058073 | 61.62131 | .2284862 | .1276419 | .7974799 | 229.7603 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 5.556748 | 49.72771 | .2356308 | -.017666 | 1.151912 | .4356662 | .6322390 |
| Stddev | .006867 | .16233 | .0013418 | .000740 | .039275 | .0111444 | .0034180 |
| %RSD | .1235739 | .3264427 | .5694690 | 4.185892 | 3.409523 | 2.558024 | .5406208 |
| #1 | 5.552573 | 49.68330 | .2365590 | -.017318 | 1.180413 | .4264443 | .6317578 |
| #2 | 5.564673 | 49.90762 | .2340923 | -.018516 | 1.168211 | .4480499 | .6290872 |
| #3 | 5.552997 | 49.59220 | .2362411 | -.017166 | 1.107112 | .4325043 | .6358722 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 30.64017 | 5.994483 | .2440361 | .0002665 | 1.224457 | 3.637512 | .0016170 |
| Stddev | .12860 | .004453 | .0006272 | .0007642 | .007400 | .007840 | .0013559 |
| %RSD | .4197103 | .0742859 | .2570062 | 286.7947 | .6043526 | .2155376 | 83.85191 |
| #1 | 30.49230 | 5.996285 | .2434225 | -.000609 | 1.221997 | 3.629526 | .0030965 |
| #2 | 30.72591 | 5.997753 | .2446761 | .000802 | 1.232774 | 3.637814 | .0004336 |
| #3 | 30.70229 | 5.989411 | .2440098 | .000606 | 1.218601 | 3.645197 | .0013210 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-04DLX2 Acquired: 10/26/2024 22:42:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE473 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.459930 | .0760189 | .2776351 |
| Stddev | .003869 | .0006683 | .0001506 |
| %RSD | .1572702 | .8791463 | .0542387 |
| #1 | 2.457712 | .0767881 | .2777627 |
| #2 | 2.464397 | .0756886 | .2776735 |
| #3 | 2.457681 | .0755801 | .2774690 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1020.772 | 23598.90 | 2262.144 | 862.7002 | 1594.922 |
| Stddev | 1.240 | 67.20 | 2.901 | 4.5962 | 2.931 |
| %RSD | .1214438 | .2847766 | .1282279 | .5327641 | .1837927 |
| #1 | 1022.204 | 23541.24 | 2262.607 | 860.9362 | 1598.132 |
| #2 | 1020.036 | 23672.71 | 2264.785 | 867.9170 | 1592.386 |
| #3 | 1020.078 | 23582.76 | 2259.039 | 859.2473 | 1594.249 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-05DLX2 Acquired: 10/26/2024 22:47:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE474 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2081421 | -.032343 | .1953223 | .0032660 | .0078444 | 112.6604 | 1.151281 |
| Stddev | .0086016 | .004335 | .0052964 | .0071979 | .0015295 | .2365 | .000430 |
| %RSD | 4.132580 | 13.40283 | 2.711618 | 220.3864 | 19.49853 | .2099545 | .0373642 |
| #1 | .2145483 | -.037058 | .2013364 | -.003224 | .0061219 | 112.6513 | 1.150928 |
| #2 | .2115123 | -.031439 | .1913535 | .002015 | .0090438 | 112.9014 | 1.151760 |
| #3 | .1983657 | -.028531 | .1932771 | .011008 | .0083674 | 112.4286 | 1.151155 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0056577 | .0037794 | 42.58318 | .2255119 | .1196411 | .5915464 | 231.5790 |
| Stddev | .0002500 | .0001289 | .15470 | .0015382 | .0003040 | .0029303 | .2741 |
| %RSD | 4.419528 | 3.411386 | .3632918 | .6820976 | .2541013 | .4953622 | .1183415 |
| #1 | .0053902 | .0036468 | 42.67781 | .2249015 | .1197278 | .5928705 | 231.3354 |
| #2 | .0058855 | .0037873 | 42.66707 | .2272617 | .1198924 | .5935809 | 231.8758 |
| #3 | .0056973 | .0039043 | 42.40465 | .2243726 | .1193032 | .5881877 | 231.5259 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 5.934926 | 50.62285 | .2254147 | -.017810 | 1.065882 | .4269482 | .5343543 |
| Stddev | .020119 | .19580 | .0007816 | .000688 | .279511 | .0049621 | .0022004 |
| %RSD | .3389938 | .3867741 | .3467365 | 3.862441 | 26.22340 | 1.162214 | .4117806 |
| #1 | 5.940919 | 50.72788 | .2257977 | -.018546 | .865189 | .4313403 | .5368248 |
| #2 | 5.951367 | 50.74371 | .2259309 | -.017183 | 1.385130 | .4215656 | .5336329 |
| #3 | 5.912491 | 50.39695 | .2245155 | -.017700 | .947327 | .4279387 | .5326052 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 25.52148 | 4.990913 | .2423364 | .0003129 | .8610052 | 1.724442 | .0057695 |
| Stddev | .09907 | .013531 | .0006725 | .0005259 | .0080232 | .010527 | .0019331 |
| %RSD | .3881781 | .2711058 | .2774939 | 168.0773 | .9318462 | .6104658 | 33.50485 |
| #1 | 25.53110 | 4.985045 | .2416362 | .0007227 | .8552046 | 1.732946 | .0079611 |
| #2 | 25.61539 | 5.006388 | .2429772 | .0004960 | .8701615 | 1.727710 | .0050407 |
| #3 | 25.41795 | 4.981307 | .2423957 | -.000280 | .8576496 | 1.712668 | .0043068 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-05DLX2 Acquired: 10/26/2024 22:47:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE474 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.344319 | .0753269 | .2364799 |
| Stddev | .009283 | .0023802 | .0006553 |
| %RSD | .3959923 | 3.159874 | .2771000 |
| | | | |
| #1 | 2.353378 | .0770248 | .2360683 |
| #2 | 2.334827 | .0763497 | .2372355 |
| #3 | 2.344752 | .0726062 | .2361358 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1020.669 | 23447.68 | 2181.541 | 860.7348 | 1610.276 |
| Stddev | .603 | 47.26 | 7.780 | 2.4219 | 1.393 |
| %RSD | .0590829 | .2015579 | .3566397 | .2813780 | .0865022 |
| | | | | | |
| #1 | 1020.676 | 23474.49 | 2176.020 | 857.9443 | 1608.830 |
| #2 | 1021.269 | 23393.11 | 2178.164 | 861.9693 | 1610.388 |
| #3 | 1020.063 | 23475.44 | 2190.439 | 862.2907 | 1611.609 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-06DLX2 Acquired: 10/26/2024 22:51:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE475 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1721020 | -.028173 | .1479380 | -.002950 | .0067931 | 116.4001 | 1.207855 |
| Stddev | .0040227 | .004890 | .0050657 | .008338 | .0032632 | .0804 | .000972 |
| %RSD | 2.337373 | 17.35678 | 3.424238 | 282.6061 | 48.03722 | .0690541 | .0805140 |
| #1 | .1693780 | -.026281 | .1532159 | .006550 | .0048132 | 116.4927 | 1.207397 |
| #2 | .1767223 | -.024512 | .1474830 | -.009051 | .0050067 | 116.3486 | 1.207196 |
| #3 | .1702057 | -.033726 | .1431152 | -.006349 | .0105595 | 116.3589 | 1.208972 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0056732 | .0020266 | 43.37540 | .2219392 | .1182779 | .4210380 | 211.0200 |
| Stddev | .0001500 | .0003140 | .04962 | .0003531 | .0001402 | .0061202 | .4736 |
| %RSD | 2.644608 | 15.49567 | .1143938 | .1590826 | .1185666 | 1.453595 | .2244417 |
| #1 | .0057812 | .0021246 | 43.34584 | .2217681 | .1183440 | .4260814 | 211.2437 |
| #2 | .0055019 | .0022800 | 43.43269 | .2217042 | .1183730 | .4142291 | 210.4759 |
| #3 | .0057366 | .0016753 | 43.34768 | .2223452 | .1181169 | .4228035 | 211.3403 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 6.546637 | 47.07596 | .2154871 | -.016949 | .8318765 | .3824420 | .4623693 |
| Stddev | .004435 | .14438 | .0009933 | .000308 | .0848750 | .0086285 | .0003786 |
| %RSD | .0677436 | .3066963 | .4609438 | 1.815523 | 10.20283 | 2.256153 | .0818845 |
| #1 | 6.551543 | 46.96968 | .2143646 | -.017243 | .7417801 | .3812433 | .4624401 |
| #2 | 6.545454 | 47.01786 | .2162522 | -.016976 | .8435221 | .3916072 | .4627075 |
| #3 | 6.542913 | 47.24034 | .2158446 | -.016629 | .9103274 | .3744756 | .4619603 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 26.70098 | 5.013800 | .2282534 | .0016288 | 1.020269 | 2.890527 | .0033224 |
| Stddev | .09274 | .013780 | .0024096 | .0006017 | .004390 | .005698 | .0018697 |
| %RSD | .3473111 | .2748437 | 1.055668 | 36.94446 | .4302466 | .1971253 | 56.27672 |
| #1 | 26.76218 | 5.010571 | .2289948 | .0013279 | 1.015525 | 2.895386 | .0024865 |
| #2 | 26.59429 | 5.028907 | .2255602 | .0012369 | 1.021095 | 2.891938 | .0054642 |
| #3 | 26.74648 | 5.001920 | .2302052 | .0023216 | 1.024187 | 2.884256 | .0020164 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-06DLX2 Acquired: 10/26/2024 22:51:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE475 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.508362 | .0728566 | .2237310 |
| Stddev | .004218 | .0003155 | .0001820 |
| %RSD | .1681379 | .4330255 | .0813496 |
| | | | |
| #1 | 2.511250 | .0729946 | .2238963 |
| #2 | 2.503522 | .0724956 | .2235360 |
| #3 | 2.510313 | .0730796 | .2237607 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1024.459 | 23536.02 | 2195.968 | 862.3902 | 1613.923 |
| Stddev | 3.661 | 51.73 | 6.778 | 3.4262 | 4.832 |
| %RSD | .3573479 | .2197951 | .3086341 | .3972877 | .2993865 |
| | | | | | |
| #1 | 1027.635 | 23591.89 | 2191.785 | 865.3271 | 1616.301 |
| #2 | 1020.455 | 23489.77 | 2192.332 | 858.6262 | 1608.363 |
| #3 | 1025.287 | 23526.40 | 2203.788 | 863.2174 | 1617.104 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-07DLX2 Acquired: 10/26/2024 22:55:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE476 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2161344 | -.036400 | .1932370 | -.004583 | .0079025 | 139.9287 | 1.443205 |
| Stddev | .0067233 | .006055 | .0049308 | .003893 | .0022424 | .3430 | .003548 |
| %RSD | 3.110698 | 16.63422 | 2.551706 | 84.93459 | 28.37548 | .2450981 | .2458353 |
| #1 | .2092643 | -.040453 | .1913798 | -.008546 | .0072614 | 140.1285 | 1.447128 |
| #2 | .2164383 | -.029440 | .1988268 | -.004440 | .0103957 | 140.1249 | 1.442264 |
| #3 | .2227006 | -.039306 | .1895046 | -.000764 | .0060506 | 139.5327 | 1.440222 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0068494 | .0041697 | 56.16030 | .2641610 | .1474491 | .5857820 | 264.7200 |
| Stddev | .0001063 | .0001854 | .11227 | .0011359 | .0005415 | .0040324 | .6746 |
| %RSD | 1.552338 | 4.445559 | .1999014 | .4300220 | .3672172 | .6883796 | .2548408 |
| #1 | .0067635 | .0040958 | 56.11536 | .2642162 | .1474038 | .5892237 | 265.3168 |
| #2 | .0069683 | .0040326 | 56.28807 | .2629984 | .1469317 | .5867770 | 264.8552 |
| #3 | .0068163 | .0043806 | 56.07747 | .2652683 | .1480118 | .5813452 | 263.9880 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 7.161010 | 57.91964 | .2644791 | -.022048 | 1.406077 | .4789615 | .6010117 |
| Stddev | .022347 | .21125 | .0006982 | .000300 | .188708 | .0097779 | .0021796 |
| %RSD | .3120655 | .3647250 | .2639762 | 1.362505 | 13.42091 | 2.041480 | .3626503 |
| #1 | 7.153242 | 58.13634 | .2648739 | -.022270 | 1.210377 | .4684108 | .6033952 |
| #2 | 7.186204 | 57.90828 | .2636730 | -.022166 | 1.420939 | .4877183 | .5991202 |
| #3 | 7.143584 | 57.71430 | .2648905 | -.021706 | 1.586915 | .4807552 | .6005197 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 32.74183 | 6.784777 | .2794030 | .0016931 | 1.206584 | 1.738660 | .0023323 |
| Stddev | .08552 | .007240 | .0014758 | .0010996 | .008336 | .002161 | .0013851 |
| %RSD | .2611950 | .1067064 | .5282081 | 64.94378 | .6908489 | .1242959 | 59.38566 |
| #1 | 32.75052 | 6.792359 | .2804562 | .0026498 | 1.211836 | 1.739890 | .0032139 |
| #2 | 32.65230 | 6.784035 | .2800367 | .0019378 | 1.196973 | 1.739926 | .0030471 |
| #3 | 32.82268 | 6.777936 | .2777162 | .0004918 | 1.210943 | 1.736165 | .0007359 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-07DLX2 Acquired: 10/26/2024 22:55:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE476 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.682230 | .0916959 | .2865561 |
| Stddev | .004493 | .0008021 | .0010062 |
| %RSD | .1675158 | .8747602 | .3511203 |
| | | | |
| #1 | 2.684729 | .0925806 | .2876598 |
| #2 | 2.684917 | .0910161 | .2863183 |
| #3 | 2.677042 | .0914910 | .2856901 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1042.382 | 23988.69 | 2291.708 | 877.4525 | 1582.772 |
| Stddev | .939 | 31.73 | 9.600 | 1.8373 | .733 |
| %RSD | .0901143 | .1322714 | .4189045 | .2093920 | .0463155 |
| | | | | | |
| #1 | 1043.445 | 23959.46 | 2295.253 | 875.5485 | 1583.293 |
| #2 | 1041.664 | 23984.17 | 2280.839 | 877.5943 | 1581.934 |
| #3 | 1042.036 | 24022.44 | 2299.030 | 879.2149 | 1583.089 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-08DLX2 Acquired: 10/26/2024 23:00:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE477 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2642715 | -.028738 | .2978409 | -.000480 | .0073165 | 110.2057 | 1.194205 |
| Stddev | .0056140 | .003493 | .0045772 | .001926 | .0015692 | .1109 | .002509 |
| %RSD | 2.124314 | 12.15355 | 1.536811 | 401.0710 | 21.44791 | .1006289 | .2101250 |
| | | | | | | | |
| #1 | .2680414 | -.026456 | .3011240 | -.002705 | .0076641 | 110.1491 | 1.197079 |
| #2 | .2669536 | -.026999 | .2926123 | .000634 | .0056027 | 110.1345 | 1.193091 |
| #3 | .2578196 | -.032759 | .2997865 | .000630 | .0086829 | 110.3335 | 1.192446 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0057322 | .0073866 | 68.54881 | .2245509 | .1224858 | .9643083 | 223.0752 |
| Stddev | .0001736 | .0003701 | .07942 | .0009688 | .0004527 | .0073625 | .2966 |
| %RSD | 3.028596 | 5.010401 | .1158536 | .4314241 | .3696137 | .7634955 | .1329503 |
| | | | | | | | |
| #1 | .0056493 | .0078134 | 68.45828 | .2236088 | .1230085 | .9558708 | 222.9944 |
| #2 | .0059318 | .0071911 | 68.60674 | .2255443 | .1222335 | .9676259 | 223.4039 |
| #3 | .0056157 | .0071552 | 68.58141 | .2244995 | .1222155 | .9694282 | 222.8275 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 5.749409 | 48.21282 | .2405119 | -.014924 | .8361746 | .4077890 | .7080239 |
| Stddev | .006062 | .15877 | .0004736 | .000330 | .1012341 | .0067848 | .0038919 |
| %RSD | .1054410 | .3293168 | .1969022 | 2.213434 | 12.10682 | 1.663796 | .5496889 |
| | | | | | | | |
| #1 | 5.744489 | 48.15970 | .2409815 | -.014785 | .7248278 | .4065878 | .7113496 |
| #2 | 5.747556 | 48.08743 | .2405197 | -.014685 | .8610295 | .4016851 | .7089788 |
| #3 | 5.756181 | 48.39135 | .2400344 | -.015301 | .9226664 | .4150942 | .7037434 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 30.42190 | 6.179288 | .2381314 | .0002541 | 1.233860 | 3.088831 | .0047512 |
| Stddev | .21000 | .019532 | .0009076 | .0005435 | .007068 | .012592 | .0029108 |
| %RSD | .6902779 | .3160802 | .3811327 | 213.9234 | .5728576 | .4076729 | 61.26470 |
| | | | | | | | |
| #1 | 30.24056 | 6.189136 | .2382827 | .0001395 | 1.230415 | 3.077802 | .0081008 |
| #2 | 30.37315 | 6.156793 | .2389539 | .0008457 | 1.241990 | 3.086139 | .0028361 |
| #3 | 30.65198 | 6.191935 | .2371577 | -.000223 | 1.229174 | 3.102551 | .0033166 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-08DLX2 Acquired: 10/26/2024 23:00:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE477 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.554225 | .0765773 | .2407798 |
| Stddev | .003345 | .0013288 | .0002769 |
| %RSD | .1309458 | 1.735204 | .1150052 |
| | | | |
| #1 | 2.557516 | .0767759 | .2406008 |
| #2 | 2.554329 | .0777956 | .2406398 |
| #3 | 2.550829 | .0751604 | .2410987 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1019.831 | 23560.56 | 2258.601 | 861.4726 | 1587.032 |
| Stddev | .374 | 72.62 | 5.739 | 5.5082 | 1.585 |
| %RSD | .0367040 | .3082416 | .2540861 | .6393939 | .0998793 |
| | | | | | |
| #1 | 1019.406 | 23491.04 | 2263.234 | 856.7158 | 1587.310 |
| #2 | 1019.970 | 23554.72 | 2260.386 | 860.1944 | 1588.460 |
| #3 | 1020.115 | 23635.93 | 2252.181 | 867.5075 | 1585.326 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-09DLX2 Acquired: 10/26/2024 23:04:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE478 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2976032 | -.031594 | .3170341 | -.002661 | .0079804 | 120.4554 | 1.390135 |
| Stddev | .0049343 | .007476 | .0083459 | .003066 | .0013036 | .3915 | .004815 |
| %RSD | 1.658014 | 23.66312 | 2.632504 | 115.2536 | 16.33469 | .3249806 | .3463510 |
| | | | | | | | |
| #1 | .2930868 | -.038712 | .3218222 | -.004639 | .0088638 | 120.0869 | 1.386341 |
| #2 | .3028696 | -.023805 | .3218831 | .000872 | .0085942 | 120.8664 | 1.395551 |
| #3 | .2968534 | -.032267 | .3073971 | -.004214 | .0064832 | 120.4129 | 1.388511 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0060545 | .0076808 | 107.7192 | .2325012 | .1389995 | 1.021104 | 240.1088 |
| Stddev | .0001358 | .0002989 | .3286 | .0014907 | .0007362 | .008160 | .9739 |
| %RSD | 2.242308 | 3.892131 | .3050656 | .6411400 | .5296503 | .7991126 | .4056120 |
| | | | | | | | |
| #1 | .0060855 | .0073357 | 107.4269 | .2324562 | .1394043 | 1.014271 | 239.0303 |
| #2 | .0061721 | .0078475 | 108.0749 | .2340139 | .1381497 | 1.030139 | 240.9240 |
| #3 | .0059059 | .0078593 | 107.6558 | .2310336 | .1394444 | 1.018903 | 240.3719 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 7.066250 | 54.66563 | .2754208 | -.016110 | 1.171981 | .4416618 | .7537646 |
| Stddev | .015787 | .16089 | .0006773 | .000275 | .168608 | .0081973 | .0004329 |
| %RSD | .2234104 | .2943198 | .2459313 | 1.707845 | 14.38654 | 1.856006 | .0574324 |
| | | | | | | | |
| #1 | 7.057683 | 54.60759 | .2761792 | -.015994 | 1.274241 | .4326299 | .7533222 |
| #2 | 7.084468 | 54.84749 | .2752072 | -.016425 | 1.264328 | .4486302 | .7537843 |
| #3 | 7.056599 | 54.54182 | .2748760 | -.015913 | .977374 | .4437253 | .7541873 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 32.36398 | 6.825808 | .2552544 | .0006497 | 1.249973 | 3.707045 | .0025565 |
| Stddev | .15957 | .021871 | .0036492 | .0000486 | .008811 | .015328 | .0030903 |
| %RSD | .4930474 | .3204114 | 1.429626 | 7.487210 | .7049326 | .4134891 | 120.8816 |
| | | | | | | | |
| #1 | 32.39076 | 6.844540 | .2519235 | .0005940 | 1.257955 | 3.692688 | -.000045 |
| #2 | 32.50846 | 6.831109 | .2546847 | .0006838 | 1.251446 | 3.723188 | .005972 |
| #3 | 32.19271 | 6.801774 | .2591549 | .0006712 | 1.240517 | 3.705258 | .001743 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-09DLX2 Acquired: 10/26/2024 23:04:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE478 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.727194 | .0925812 | .2712292 |
| Stddev | .011971 | .0016797 | .0016815 |
| %RSD | .4389321 | 1.814269 | .6199644 |
| | | | |
| #1 | 2.717868 | .0907568 | .2707536 |
| #2 | 2.740692 | .0940635 | .2730973 |
| #3 | 2.723023 | .0929232 | .2698367 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1016.844 | 23543.80 | 2229.382 | 859.0279 | 1562.675 |
| Stddev | 2.365 | 82.55 | 10.689 | 3.3912 | .611 |
| %RSD | .2325584 | .3506438 | .4794510 | .3947698 | .0390862 |
| | | | | | |
| #1 | 1019.368 | 23552.30 | 2241.721 | 862.0208 | 1563.162 |
| #2 | 1016.483 | 23621.78 | 2222.972 | 859.7183 | 1561.990 |
| #3 | 1014.680 | 23457.33 | 2223.453 | 855.3447 | 1562.874 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-10DLX2 Acquired: 10/26/2024 23:09:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE479 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1768454 | -.028415 | .1062534 | -.000893 | .0064055 | 103.2042 | 1.355557 |
| Stddev | .0083534 | .004820 | .0031706 | .004398 | .0021629 | .1343 | .003353 |
| %RSD | 4.723563 | 16.96385 | 2.983975 | 492.4190 | 33.76632 | .1301385 | .2473304 |
| #1 | .1788447 | -.033969 | .1081889 | -.000363 | .0077800 | 103.3239 | 1.358769 |
| #2 | .1840177 | -.025328 | .1025944 | -.005533 | .0039124 | 103.0589 | 1.352080 |
| #3 | .1676737 | -.025947 | .1079770 | .003216 | .0075242 | 103.2297 | 1.355822 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0048708 | .0009540 | 122.1870 | .2030297 | .1124082 | .2968302 | 214.7135 |
| Stddev | .0002006 | .0000301 | .2828 | .0014493 | .0009244 | .0030496 | .4577 |
| %RSD | 4.119058 | 3.158782 | .2314831 | .7138532 | .8223302 | 1.027392 | .2131764 |
| #1 | .0046391 | .0009299 | 122.3784 | .2044465 | .1114736 | .2997196 | 215.1927 |
| #2 | .0049890 | .0009878 | 121.8621 | .2030928 | .1124290 | .2936424 | 214.2807 |
| #3 | .0049842 | .0009443 | 122.3204 | .2015499 | .1133220 | .2971286 | 214.6672 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 4.478764 | 61.21526 | .2404291 | -.013242 | 2.569186 | .4407659 | .3642468 |
| Stddev | .004895 | .43745 | .0005596 | .000278 | .230328 | .0092655 | .0015556 |
| %RSD | .1093034 | .7146112 | .2327399 | 2.096263 | 8.965005 | 2.102148 | .4270770 |
| #1 | 4.481573 | 61.56139 | .2405107 | -.012927 | 2.306646 | .4478317 | .3624542 |
| #2 | 4.473111 | 60.72359 | .2398332 | -.013450 | 2.737272 | .4302756 | .3650433 |
| #3 | 4.481606 | 61.36080 | .2409433 | -.013349 | 2.663639 | .4441906 | .3652429 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 14.47035 | 4.872904 | .2170753 | -.000845 | .5169295 | 3.243924 | .0014311 |
| Stddev | .11283 | .012914 | .0019796 | .000498 | .0073800 | .010565 | .0026468 |
| %RSD | .7797304 | .2650134 | .9119349 | 58.95297 | 1.427658 | .3256960 | 184.9486 |
| #1 | 14.59855 | 4.864522 | .2159022 | -.001213 | .5125869 | 3.240983 | -.000654 |
| #2 | 14.38616 | 4.866413 | .2159629 | -.000278 | .5254506 | 3.235141 | .004409 |
| #3 | 14.42632 | 4.887775 | .2193609 | -.001044 | .5127509 | 3.255649 | .000538 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-10DLX2 Acquired: 10/26/2024 23:09:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE479 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.558396 | .0651951 | .4577649 |
| Stddev | .007729 | .0019354 | .0012115 |
| %RSD | .3021149 | 2.968674 | .2646524 |
| | | | |
| #1 | 2.553644 | .0671878 | .4588635 |
| #2 | 2.554230 | .0633225 | .4564656 |
| #3 | 2.567315 | .0650750 | .4579657 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 990.4078 | 22866.86 | 2126.416 | 834.4387 | 1577.167 |
| Stddev | 2.1109 | 66.90 | 5.653 | 4.3764 | .361 |
| %RSD | .2131387 | .2925727 | .2658265 | .5244762 | .0229150 |
| | | | | | |
| #1 | 988.0435 | 22790.46 | 2124.722 | 838.0869 | 1577.465 |
| #2 | 992.1034 | 22914.99 | 2132.722 | 835.6431 | 1576.765 |
| #3 | 991.0764 | 22895.12 | 2121.804 | 829.5862 | 1577.271 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-11DLX2 Acquired: 10/26/2024 23:13:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE480 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1873667 | -.026988 | .1515296 | -.002922 | .0088639 | 111.5960 | 1.226317 |
| Stddev | .0027287 | .002359 | .0034886 | .005545 | .0049433 | .1661 | .003610 |
| %RSD | 1.456366 | 8.741390 | 2.302268 | 189.7624 | 55.76938 | .1488417 | .2943981 |
| #1 | .1904726 | -.028561 | .1513928 | -.006073 | .0136602 | 111.6615 | 1.226091 |
| #2 | .1853544 | -.028129 | .1481114 | -.006174 | .0091458 | 111.7193 | 1.230036 |
| #3 | .1862731 | -.024276 | .1550846 | .003481 | .0037856 | 111.4071 | 1.222826 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0055610 | .0017764 | 49.89825 | .2146172 | .1150523 | .3873016 | 213.0130 |
| Stddev | .0001010 | .0001028 | .12533 | .0003392 | .0007436 | .0051473 | .5047 |
| %RSD | 1.815709 | 5.784396 | .2511701 | .1580279 | .6463448 | 1.329009 | .2369241 |
| #1 | .0054886 | .0016690 | 49.82987 | .2149860 | .1145926 | .3923313 | 213.2085 |
| #2 | .0056764 | .0018737 | 50.04290 | .2145469 | .1146541 | .3875292 | 213.3906 |
| #3 | .0055181 | .0017866 | 49.82198 | .2143187 | .1159102 | .3820443 | 212.4398 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 6.508742 | 46.90836 | .2230304 | -.016705 | .9781625 | .3899202 | .4385978 |
| Stddev | .007871 | .14674 | .0002004 | .000444 | .2331601 | .0010890 | .0021297 |
| %RSD | .1209321 | .3128166 | .0898718 | 2.660437 | 23.83655 | .2792899 | .4855706 |
| #1 | 6.509745 | 47.06345 | .2232339 | -.016974 | 1.234064 | .3891000 | .4396277 |
| #2 | 6.516063 | 46.88990 | .2228331 | -.016192 | .777758 | .3911557 | .4361489 |
| #3 | 6.500417 | 46.77173 | .2230242 | -.016949 | .922665 | .3895047 | .4400167 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 22.45566 | 4.882740 | .2247646 | .0012205 | .9260996 | 3.551893 | .0071565 |
| Stddev | .20783 | .007003 | .0007534 | .0001343 | .0063101 | .021527 | .0014070 |
| %RSD | .9255091 | .1434135 | .3351773 | 11.00532 | .6813620 | .6060706 | 19.66035 |
| #1 | 22.58101 | 4.877923 | .2256156 | .0013749 | .9240667 | 3.576395 | .0071689 |
| #2 | 22.21576 | 4.879524 | .2241830 | .0011300 | .9331756 | 3.536015 | .0085572 |
| #3 | 22.57020 | 4.890773 | .2244952 | .0011567 | .9210566 | 3.543269 | .0057433 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-11DLX2 Acquired: 10/26/2024 23:13:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE480 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.324193 | .0710353 | .2204385 |
| Stddev | .005015 | .0014766 | .0006770 |
| %RSD | .2157707 | 2.078730 | .3071314 |
| | | | |
| #1 | 2.324420 | .0720345 | .2210722 |
| #2 | 2.329092 | .0693392 | .2205182 |
| #3 | 2.319069 | .0717322 | .2197252 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1023.811 | 23504.73 | 2198.084 | 860.9302 | 1612.045 |
| Stddev | 1.580 | 65.89 | 10.690 | .5064 | 3.415 |
| %RSD | .1543582 | .2803431 | .4863246 | .0588217 | .2118258 |
| | | | | | |
| #1 | 1024.070 | 23518.65 | 2186.398 | 860.7649 | 1614.701 |
| #2 | 1025.245 | 23432.99 | 2200.483 | 861.4986 | 1613.242 |
| #3 | 1022.117 | 23562.56 | 2207.370 | 860.5271 | 1608.194 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-12DLX2 Acquired: 10/26/2024 23:18:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE481 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2923854 | -.035416 | .2516029 | .0026101 | .0100491 | 122.3016 | 1.424399 |
| Stddev | .0042745 | .005775 | .0020168 | .0091969 | .0033863 | .0245 | .000291 |
| %RSD | 1.461935 | 16.30611 | .8015982 | 352.3590 | 33.69751 | .0200062 | .0204401 |
| #1 | .2932381 | -.042055 | .2539149 | -.005613 | .0122128 | 122.3247 | 1.424216 |
| #2 | .2961693 | -.032629 | .2506891 | .012541 | .0061467 | 122.3041 | 1.424245 |
| #3 | .2877489 | -.031563 | .2502047 | .000902 | .0117879 | 122.2759 | 1.424734 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0059755 | .0051999 | 56.15493 | .2562494 | .1435267 | .7154071 | 242.1624 |
| Stddev | .0001262 | .0003105 | .10910 | .0006109 | .0005138 | .0064690 | .2892 |
| %RSD | 2.111275 | 5.972282 | .1942802 | .2383867 | .3579928 | .9042457 | .1194251 |
| #1 | .0058400 | .0053539 | 56.04400 | .2560790 | .1431655 | .7184947 | 242.2236 |
| #2 | .0060895 | .0048424 | 56.26210 | .2557418 | .1441149 | .7197537 | 242.4160 |
| #3 | .0059969 | .0054033 | 56.15869 | .2569273 | .1432997 | .7079727 | 241.8474 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 8.138380 | 53.76429 | .2685007 | -.017925 | .9641814 | .4548291 | .5803045 |
| Stddev | .005232 | .21212 | .0010393 | .000582 | .0650777 | .0087063 | .0044869 |
| %RSD | .0642885 | .3945384 | .3870790 | 3.245115 | 6.749530 | 1.914187 | .7732048 |
| #1 | 8.132423 | 53.97918 | .2690100 | -.018392 | .8900961 | .4645046 | .5812810 |
| #2 | 8.142230 | 53.75862 | .2691872 | -.018109 | .9903315 | .4476276 | .5842227 |
| #3 | 8.140487 | 53.55506 | .2673050 | -.017274 | 1.012116 | .4523550 | .5754097 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 25.40686 | 5.121560 | .2526962 | .0001002 | .7765219 | 3.653080 | .0055479 |
| Stddev | .09619 | .012706 | .0007658 | .0000429 | .0113700 | .015789 | .0014824 |
| %RSD | .3785862 | .2480958 | .3030454 | 42.76646 | 1.464218 | .4321994 | 26.72043 |
| #1 | 25.37986 | 5.136046 | .2530389 | .0001402 | .7829190 | 3.656998 | .0042673 |
| #2 | 25.51367 | 5.112298 | .2518189 | .0001055 | .7832522 | 3.666541 | .0052045 |
| #3 | 25.32707 | 5.116337 | .2532308 | .0000550 | .7633944 | 3.635701 | .0071718 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-12DLX2 Acquired: 10/26/2024 23:18:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE481 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.590417 | .0832559 | .2483122 |
| Stddev | .004959 | .0008745 | .0000965 |
| %RSD | .1914537 | 1.050437 | .0388438 |
| | | | |
| #1 | 2.591091 | .0832283 | .2482013 |
| #2 | 2.585155 | .0823955 | .2483766 |
| #3 | 2.595005 | .0841440 | .2483586 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1027.671 | 23656.55 | 2251.634 | 869.7472 | 1595.193 |
| Stddev | 2.845 | 37.12 | 8.618 | 4.4349 | 1.340 |
| %RSD | .2768421 | .1569027 | .3827499 | .5099094 | .0840134 |
| | | | | | |
| #1 | 1024.928 | 23682.92 | 2249.444 | 870.4287 | 1595.220 |
| #2 | 1030.608 | 23672.62 | 2244.323 | 865.0110 | 1596.520 |
| #3 | 1027.478 | 23614.10 | 2261.136 | 873.8019 | 1593.840 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-13DLX2 Acquired: 10/26/2024 23:22:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE481D Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .3379672 | -.033949 | .2826354 | -.002489 | .0110624 | 133.3241 | 1.452516 |
| Stddev | .0032459 | .003442 | .0018008 | .006537 | .0028159 | .3410 | .003550 |
| %RSD | .9604164 | 10.13735 | .6371607 | 262.6144 | 25.45446 | .2557534 | .2443738 |
| #1 | .3408642 | -.034882 | .2836444 | .000499 | .0125669 | 132.9306 | 1.449116 |
| #2 | .3385780 | -.030138 | .2805562 | -.009987 | .0078139 | 133.5327 | 1.452232 |
| #3 | .3344592 | -.036829 | .2837054 | .002020 | .0128066 | 133.5089 | 1.456198 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0067659 | .0063875 | 64.65609 | .2750507 | .1577858 | .7874375 | 263.3626 |
| Stddev | .0000977 | .0004613 | .24184 | .0015559 | .0005886 | .0066374 | 1.0922 |
| %RSD | 1.443361 | 7.222171 | .3740441 | .5656808 | .3730439 | .8429110 | .4147140 |
| #1 | .0067131 | .0058610 | 64.51897 | .2736939 | .1577863 | .7871975 | 262.1187 |
| #2 | .0067060 | .0065807 | 64.51397 | .2747092 | .1571969 | .7941916 | 263.8041 |
| #3 | .0068786 | .0067208 | 64.93533 | .2767490 | .1583741 | .7809233 | 264.1648 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 7.893186 | 59.31142 | .3000806 | -.020660 | 1.047705 | .4941954 | .6442188 |
| Stddev | .027824 | .11227 | .0012106 | .000469 | .125753 | .0142637 | .0016060 |
| %RSD | .3525083 | .1892903 | .4034185 | 2.269982 | 12.00275 | 2.886247 | .2492942 |
| #1 | 7.864482 | 59.20187 | .3006439 | -.020121 | .926438 | .4792133 | .6438584 |
| #2 | 7.895037 | 59.30615 | .3009068 | -.020885 | 1.177509 | .5076115 | .6428236 |
| #3 | 7.920038 | 59.42623 | .2986910 | -.020975 | 1.039167 | .4957615 | .6459743 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 28.71125 | 6.045017 | .2743474 | .0002692 | .8781775 | 2.019081 | .0034591 |
| Stddev | .15516 | .019948 | .0026090 | .0007317 | .0026075 | .013917 | .0041126 |
| %RSD | .5404293 | .3299911 | .9509969 | 271.7931 | .2969175 | .6892809 | 118.8924 |
| #1 | 28.53599 | 6.032315 | .2715272 | .0002873 | .8794945 | 2.003352 | .0062175 |
| #2 | 28.76668 | 6.034727 | .2748397 | -.000471 | .8798637 | 2.024094 | -.001268 |
| #3 | 28.83109 | 6.068008 | .2766751 | .000992 | .8751742 | 2.029798 | .005427 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-13DLX2 Acquired: 10/26/2024 23:22:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE481D Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.616329 | .0942418 | .2679850 |
| Stddev | .006037 | .0004904 | .0004738 |
| %RSD | .2307583 | .5203192 | .1768113 |
| | | | |
| #1 | 2.610544 | .0943691 | .2674565 |
| #2 | 2.622590 | .0937003 | .2683719 |
| #3 | 2.615852 | .0946559 | .2681266 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1033.402 | 23938.95 | 2302.886 | 876.1722 | 1578.499 |
| Stddev | 2.552 | 62.20 | 5.923 | 4.4908 | 3.020 |
| %RSD | .2469616 | .2598318 | .2571820 | .5125521 | .1913079 |
| | | | | | |
| #1 | 1031.431 | 23867.61 | 2309.200 | 873.9752 | 1578.314 |
| #2 | 1036.285 | 23981.80 | 2302.004 | 881.3386 | 1581.608 |
| #3 | 1032.491 | 23967.45 | 2297.454 | 873.2029 | 1575.577 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-14DLX2 Acquired: 10/26/2024 23:26:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE481S Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .3583596 | .0640917 | .2932796 | .1532999 | .1664819 | 124.1590 | 5.214242 |
| Stddev | .0019686 | .0027517 | .0030686 | .0039136 | .0036588 | .4805 | .006922 |
| %RSD | .5493245 | 4.293447 | 1.046289 | 2.552898 | 2.197702 | .3870085 | .1327526 |
| | | | | | | | |
| #1 | .3567716 | .0620430 | .2901054 | .1577575 | .1624190 | 123.6982 | 5.208178 |
| #2 | .3605621 | .0672194 | .2935032 | .1517144 | .1695166 | 124.1218 | 5.212764 |
| #3 | .3577450 | .0630126 | .2962302 | .1504279 | .1675099 | 124.6571 | 5.221783 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1071765 | .1073899 | 55.27816 | .6541551 | 1.161476 | 1.139722 | 239.6499 |
| Stddev | .0006214 | .0002325 | .15304 | .0005362 | .004034 | .009709 | .7429 |
| %RSD | .5798348 | .2164986 | .2768561 | .0819718 | .3473325 | .8519144 | .3099786 |
| | | | | | | | |
| #1 | .1064755 | .1076164 | 55.16511 | .6546669 | 1.164083 | 1.130555 | 238.8803 |
| #2 | .1073942 | .1071518 | 55.21706 | .6542010 | 1.156829 | 1.149896 | 239.7066 |
| #3 | .1076598 | .1074016 | 55.45231 | .6535974 | 1.163516 | 1.138716 | 240.3628 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 8.934478 | 52.88026 | 1.288160 | .0771396 | 1.197518 | 1.406810 | 1.361476 |
| Stddev | .024741 | .29584 | .001547 | .0007418 | .326398 | .003240 | .006735 |
| %RSD | .2769211 | .5594575 | .1201020 | .9616755 | 27.25620 | .2303314 | .4946487 |
| | | | | | | | |
| #1 | 8.905990 | 52.61701 | 1.287786 | .0778738 | 1.542807 | 1.405177 | 1.355850 |
| #2 | 8.950580 | 53.20043 | 1.286834 | .0763903 | 1.155705 | 1.410542 | 1.368938 |
| #3 | 8.946865 | 52.82336 | 1.289859 | .0771547 | .894041 | 1.404712 | 1.359641 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 25.06415 | 5.034389 | .2509814 | .0003533 | .7409420 | 3.725348 | .0070146 |
| Stddev | .11204 | .015722 | .0013493 | .0003980 | .0099976 | .029281 | .0007916 |
| %RSD | .4470321 | .3122881 | .5376250 | 112.6593 | 1.349308 | .7859932 | 11.28561 |
| | | | | | | | |
| #1 | 25.01035 | 5.031306 | .2495204 | -.000096 | .7498450 | 3.693393 | .0074693 |
| #2 | 24.98915 | 5.020437 | .2521808 | .000494 | .7301262 | 3.731758 | .0074741 |
| #3 | 25.19295 | 5.051424 | .2512431 | .000662 | .7428548 | 3.750893 | .0061005 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-14DLX2 Acquired: 10/26/2024 23:26:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE481S Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.581617 | .0828344 | .2452240 |
| Stddev | .013304 | .0020113 | .0013188 |
| %RSD | .5153481 | 2.428050 | .5377786 |
| | | | |
| #1 | 2.572954 | .0806361 | .2437593 |
| #2 | 2.574962 | .0845821 | .2455954 |
| #3 | 2.596936 | .0832851 | .2463172 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1021.765 | 23530.87 | 2222.776 | 859.1454 | 1596.208 |
| Stddev | 1.755 | 12.03 | 15.645 | 3.2089 | 4.660 |
| %RSD | .1717845 | .0511137 | .7038402 | .3734987 | .2919536 |
| | | | | | |
| #1 | 1021.319 | 23520.63 | 2238.088 | 860.0568 | 1593.604 |
| #2 | 1023.701 | 23544.11 | 2223.421 | 855.5794 | 1601.588 |
| #3 | 1020.276 | 23527.86 | 2206.819 | 861.8000 | 1593.431 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCV008 Acquired: 10/26/2024 23:31:11 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV008 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 5.087968 | 4.773889 | 25.01370 | 4.676854 | 4.780256 | 415.0935 | 10.21608 |
| Stddev | .036422 | .023116 | .01230 | .013617 | .016514 | .6159 | .01776 |
| %RSD | .7158520 | .4842118 | .0491666 | .2911493 | .3454713 | .1483811 | .1738117 |
| #1 | 5.045963 | 4.783868 | 25.02282 | 4.662766 | 4.763328 | 414.5739 | 10.20921 |
| #2 | 5.107157 | 4.747460 | 25.01857 | 4.677850 | 4.781117 | 415.7738 | 10.23624 |
| #3 | 5.110783 | 4.790339 | 24.99972 | 4.689945 | 4.796323 | 414.9328 | 10.20279 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .5471063 | 2.529253 | 413.0749 | 15.19892 | 2.529136 | 14.97623 | 415.1725 |
| Stddev | .0021885 | .001066 | .2736 | .03758 | .002384 | .02360 | .2100 |
| %RSD | .4000042 | .0421276 | .0662294 | .2472709 | .0942462 | .1575690 | .0505741 |
| #1 | .5446377 | 2.530369 | 412.9189 | 15.22660 | 2.531697 | 14.98385 | 415.0681 |
| #2 | .5478728 | 2.529143 | 413.3908 | 15.21404 | 2.528731 | 14.99508 | 415.4142 |
| #3 | .5488084 | 2.528247 | 412.9150 | 15.15614 | 2.526981 | 14.94977 | 415.0352 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 14.89557 | 419.3774 | 2.510199 | 1.281849 | 411.5992 | 2.483477 | 14.47821 |
| Stddev | .01108 | .8750 | .003172 | .001376 | .3966 | .009348 | .05579 |
| %RSD | .0743529 | .2086410 | .1263532 | .1073478 | .0963606 | .3764183 | .3853614 |
| #1 | 14.90023 | 418.3970 | 2.510262 | 1.282450 | 411.6203 | 2.483830 | 14.41747 |
| #2 | 14.90355 | 419.6562 | 2.506996 | 1.282822 | 411.1925 | 2.473957 | 14.49001 |
| #3 | 14.88292 | 420.0790 | 2.513338 | 1.280275 | 411.9849 | 2.492644 | 14.52717 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 157.0472 | 4.950156 | 5.134276 | 4.753613 | 5.042742 | 5.092746 | 5.036766 |
| Stddev | .1333 | .005323 | .017554 | .015464 | .007162 | .011554 | .016893 |
| %RSD | .0848707 | .1075335 | .3418998 | .3253099 | .1420282 | .2268666 | .3353887 |
| #1 | 157.1673 | 4.949880 | 5.120789 | 4.738423 | 5.041033 | 5.079554 | 5.033480 |
| #2 | 156.9038 | 4.944976 | 5.154123 | 4.753079 | 5.050604 | 5.101065 | 5.021757 |
| #3 | 157.0706 | 4.955612 | 5.127915 | 4.769337 | 5.036589 | 5.097618 | 5.055060 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCV008 Acquired: 10/26/2024 23:31:11 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV008 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 4.987881 | 5.118084 | 5.081266 |
| Stddev | .001158 | .010793 | .005976 |
| %RSD | .0232246 | .2108759 | .1176050 |
| | | | |
| #1 | 4.987373 | 5.120718 | 5.077683 |
| #2 | 4.987064 | 5.127317 | 5.088165 |
| #3 | 4.989207 | 5.106219 | 5.077952 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 761.9527 | 19734.10 | 1883.539 | 602.8192 | 1324.972 |
| Stddev | 2.0268 | 54.98 | 1.289 | 2.0574 | .062 |
| %RSD | .2660050 | .2786185 | .0684424 | .3412966 | .0046909 |
| | | | | | |
| #1 | 764.2410 | 19677.36 | 1884.616 | 604.8564 | 1324.963 |
| #2 | 761.2337 | 19737.81 | 1882.111 | 602.8591 | 1324.915 |
| #3 | 760.3833 | 19787.14 | 1883.891 | 600.7422 | 1325.038 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCB008 Acquired: 10/26/2024 23:35:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB008 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0003488 | .0020038 | .0014509 | -.002581 | .0012934 | .0415653 | .0004292 |
| Stddev | .0024323 | .0011772 | .0022639 | .003634 | .0009384 | .0126593 | .0001376 |
| %RSD | 697.2872 | 58.75070 | 156.0293 | 140.7872 | 72.55158 | 30.45642 | 32.05599 |
| #1 | .0025383 | .0031484 | -.000790 | -.004232 | .0023493 | .0380496 | .0002715 |
| #2 | -.002269 | .0007964 | .003737 | -.005097 | .0009763 | .0556108 | .0004914 |
| #3 | .000778 | .0020664 | .001405 | .001585 | .0005547 | .0310354 | .0005248 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000166 | .0000573 | .0167262 | -.000095 | .0003078 | .0003315 | .0367517 |
| Stddev | .000109 | .0000309 | .0111573 | .000225 | .0001917 | .0054194 | .0130249 |
| %RSD | 65.81407 | 53.87209 | 66.70570 | 235.8685 | 62.28918 | 1634.825 | 35.44027 |
| #1 | -.000043 | .0000929 | .0096689 | .000067 | .0003386 | -.005760 | .0252449 |
| #2 | -.000252 | .0000421 | .0109204 | -.000000 | .0001025 | .004618 | .0508922 |
| #3 | -.000204 | .0000370 | .0295893 | -.000353 | .0004822 | .002137 | .0341179 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0001064 | -.025086 | .0004694 | .0017599 | -.274184 | .0015825 | .0002076 |
| Stddev | .0003418 | .045401 | .0003811 | .0003615 | .243585 | .0053354 | .0000689 |
| %RSD | 321.2627 | 180.9820 | 81.19033 | 20.54227 | 88.83981 | 337.1583 | 33.20953 |
| #1 | .0004682 | -.063438 | .0008946 | .0021604 | -.463281 | -.003987 | .0002276 |
| #2 | -.000211 | .025043 | .0001587 | .0014577 | .000684 | .006648 | .0002644 |
| #3 | .000062 | -.036863 | .0003548 | .0016616 | -.359955 | .002087 | .0001309 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.227795 | .0017531 | .0006069 | .0004152 | .0000779 | -.001734 | .0007795 |
| Stddev | .080970 | .0015680 | .0009333 | .0004258 | .0043903 | .000683 | .0015796 |
| %RSD | 35.54502 | 89.44073 | 153.7861 | 102.5535 | 5633.222 | 39.39493 | 202.6364 |
| #1 | -.290677 | .0032263 | .0004205 | .0000464 | -.002340 | -.001534 | .0008913 |
| #2 | -.136433 | .0001051 | .0016194 | .0008812 | .005146 | -.002495 | .0023002 |
| #3 | -.256274 | .0019278 | -.000219 | .0003180 | -.002572 | -.001173 | -.000853 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCB008 Acquired: 10/26/2024 23:35:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB008 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | -.001637 | -.008213 | .0001943 |
| Stddev | .001807 | .001219 | .0001137 |
| %RSD | 110.4290 | 14.84023 | 58.49992 |
| | | | |
| #1 | -.000635 | -.008615 | .0003240 |
| #2 | -.000552 | -.009181 | .0001120 |
| #3 | -.003723 | -.006844 | .0001469 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 954.8865 | 21600.20 | 1996.988 | 803.2870 | 1739.325 |
| Stddev | 3.1020 | 70.70 | 7.195 | 3.1625 | 7.020 |
| %RSD | .3248542 | .3273160 | .3602917 | .3936896 | .4036074 |
| | | | | | |
| #1 | 951.6212 | 21530.63 | 1998.114 | 803.9211 | 1731.425 |
| #2 | 957.7942 | 21598.01 | 2003.554 | 799.8555 | 1744.846 |
| #3 | 955.2441 | 21671.98 | 1989.296 | 806.0843 | 1741.705 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-12LDLX10 Acquired: 10/26/2024 23:39:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE481L Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0570076 | -.008214 | .0537010 | -.002503 | .0007027 | 26.60844 | .3133088 |
| Stddev | .0050419 | .002184 | .0035506 | .004766 | .0011249 | .06689 | .0010695 |
| %RSD | 8.844247 | 26.59540 | 6.611754 | 190.3755 | 160.0763 | .2513861 | .3413447 |
| #1 | .0595522 | -.005944 | .0499473 | -.003607 | .0018940 | 26.56033 | .3138147 |
| #2 | .0602702 | -.010302 | .0570057 | -.006620 | -.000341 | 26.68483 | .3140315 |
| #3 | .0512005 | -.008395 | .0541500 | .002717 | .000556 | 26.58017 | .3120803 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0013866 | .0009316 | 12.47015 | .0567933 | .0287008 | .1576024 | 54.23349 |
| Stddev | .0000319 | .0000997 | .01565 | .0005434 | .0002930 | .0042892 | .16516 |
| %RSD | 2.301937 | 10.69973 | .1254870 | .9568382 | 1.020795 | 2.721551 | .3045407 |
| #1 | .0014225 | .0010157 | 12.48514 | .0573421 | .0287828 | .1610459 | 54.39954 |
| #2 | .0013763 | .0008215 | 12.47140 | .0567825 | .0289440 | .1527977 | 54.23171 |
| #3 | .0013612 | .0009576 | 12.45392 | .0562554 | .0283755 | .1589635 | 54.06923 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 1.820168 | 11.76253 | .0545502 | -.003193 | -.101564 | .1096188 | .1349601 |
| Stddev | .003051 | .04188 | .0005188 | .000413 | .245327 | .0023619 | .0007106 |
| %RSD | .1676164 | .3560058 | .9511223 | 12.95105 | 241.5499 | 2.154618 | .5265041 |
| #1 | 1.823029 | 11.80251 | .0540579 | -.002726 | -.384493 | .1080960 | .1354783 |
| #2 | 1.820516 | 11.76608 | .0550920 | -.003514 | .027721 | .1084207 | .1352519 |
| #3 | 1.816958 | 11.71899 | .0545005 | -.003337 | .052081 | .1123396 | .1341501 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 5.210516 | 1.030164 | .0552983 | -.000215 | .1483887 | .8392604 | .0003361 |
| Stddev | .090207 | .005289 | .0014161 | .000259 | .0060462 | .0035226 | .0005277 |
| %RSD | 1.731250 | .5134359 | 2.560780 | 120.6496 | 4.074566 | .4197282 | 157.0081 |
| #1 | 5.209599 | 1.024091 | .0567594 | -.000132 | .1473470 | .8394225 | .0007318 |
| #2 | 5.120771 | 1.033762 | .0552034 | -.000505 | .1429310 | .8426991 | -.000263 |
| #3 | 5.301178 | 1.032639 | .0539321 | -.000008 | .1548881 | .8356595 | .000540 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-12LDLX10 Acquired: 10/26/2024 23:39:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE481L Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | .5745135 | .0123027 | .0543880 |
| Stddev | .0016596 | .0006415 | .0003997 |
| %RSD | .2888697 | 5.214482 | .7349526 |
| | | | |
| #1 | .5727769 | .0124406 | .0539528 |
| #2 | .5760835 | .0128640 | .0547388 |
| #3 | .5746802 | .0116034 | .0544725 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 975.7223 | 22281.11 | 2104.090 | 824.1937 | 1687.323 |
| Stddev | .4776 | 54.15 | 9.411 | 2.4727 | .385 |
| %RSD | .0489464 | .2430478 | .4472792 | .3000138 | .0227917 |
| | | | | | |
| #1 | 975.2419 | 22219.15 | 2106.540 | 821.3857 | 1687.764 |
| #2 | 976.1970 | 22304.77 | 2093.695 | 825.1494 | 1687.057 |
| #3 | 975.7280 | 22319.40 | 2112.033 | 826.0458 | 1687.148 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-15DLX2 Acquired: 10/26/2024 23:44:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE482 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1086500 | -.015963 | .1021722 | .0022694 | .0042992 | 59.16477 | 1.029148 |
| Stddev | .0079143 | .001370 | .0055191 | .0060307 | .0019493 | .17969 | .001960 |
| %RSD | 7.284223 | 8.580896 | 5.401746 | 265.7375 | 45.34006 | .3037046 | .1904077 |
| #1 | .1152103 | -.015600 | .1075476 | -.001483 | .0027315 | 58.95784 | 1.026900 |
| #2 | .0998600 | -.014812 | .1024493 | .009226 | .0036843 | 59.25506 | 1.030054 |
| #3 | .1108796 | -.017478 | .0965198 | -.000935 | .0064818 | 59.28139 | 1.030491 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0035714 | .0017088 | 81.41564 | .1436033 | .0734140 | .2059095 | 158.4805 |
| Stddev | .0004415 | .0002091 | .25517 | .0006090 | .0005123 | .0008764 | .2310 |
| %RSD | 12.36121 | 12.23613 | .3134195 | .4240589 | .6978767 | .4255977 | .1457534 |
| #1 | .0038207 | .0018791 | 81.15267 | .1429055 | .0740053 | .2068128 | 158.4174 |
| #2 | .0038320 | .0017720 | 81.43204 | .1438767 | .0731358 | .2050629 | 158.2876 |
| #3 | .0030617 | .0014754 | 81.66222 | .1440276 | .0731010 | .2058529 | 158.7365 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 7.122127 | 31.21495 | .2191666 | -.011044 | 1.514177 | .3071801 | .3972423 |
| Stddev | .011244 | .25838 | .0006140 | .000501 | .199142 | .0148745 | .0004758 |
| %RSD | .1578686 | .8277591 | .2801676 | 4.535616 | 13.15182 | 4.842279 | .1197763 |
| #1 | 7.117536 | 31.25614 | .2196814 | -.011528 | 1.539685 | .2928454 | .3975709 |
| #2 | 7.113906 | 30.93845 | .2184869 | -.010528 | 1.303510 | .3061536 | .3966966 |
| #3 | 7.134940 | 31.45027 | .2193314 | -.011077 | 1.699335 | .3225413 | .3974592 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 12.08073 | 4.012317 | .1643006 | .0002828 | 1.445577 | 2.704493 | .0020701 |
| Stddev | .10612 | .002928 | .0007599 | .0004328 | .003051 | .010771 | .0032641 |
| %RSD | .8784414 | .0729785 | .4624859 | 153.0371 | .2110757 | .3982534 | 157.6775 |
| #1 | 11.95819 | 4.015116 | .1634393 | -.000075 | 1.443486 | 2.704584 | .0027432 |
| #2 | 12.14182 | 4.009275 | .1648761 | .000159 | 1.444166 | 2.693677 | .0049452 |
| #3 | 12.14217 | 4.012560 | .1645864 | .000764 | 1.449078 | 2.715218 | -.001478 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-15DLX2 Acquired: 10/26/2024 23:44:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE482 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.508920 | .0405430 | .2807138 |
| Stddev | .008071 | .0007661 | .0010312 |
| %RSD | .3216920 | 1.889522 | .3673566 |
| | | | |
| #1 | 2.501328 | .0407747 | .2796253 |
| #2 | 2.508037 | .0411665 | .2808400 |
| #3 | 2.517397 | .0396878 | .2816761 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 987.3758 | 22839.20 | 2178.657 | 839.3913 | 1616.149 |
| Stddev | 2.8218 | 70.57 | 3.509 | 3.2864 | 4.302 |
| %RSD | .2857901 | .3089664 | .1610744 | .3915182 | .2661731 |
| | | | | | |
| #1 | 988.7348 | 22843.20 | 2179.310 | 835.6181 | 1618.833 |
| #2 | 989.2610 | 22766.72 | 2181.794 | 840.9273 | 1618.426 |
| #3 | 984.1316 | 22907.68 | 2174.867 | 841.6284 | 1611.187 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-16DLX2 Acquired: 10/26/2024 23:48:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE483 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .5104634 | -.042893 | .3140678 | -.007235 | .0136524 | 113.4947 | 2.558066 |
| Stddev | .0097975 | .006519 | .0025469 | .005110 | .0027328 | .2472 | .002390 |
| %RSD | 1.919340 | 15.19912 | .8109296 | 70.62923 | 20.01708 | .2178069 | .0934152 |
| #1 | .5214318 | -.044282 | .3161667 | -.013116 | .0146286 | 113.3216 | 2.555415 |
| #2 | .5073797 | -.048606 | .3112344 | -.003873 | .0105656 | 113.7778 | 2.558731 |
| #3 | .5025787 | -.035791 | .3148024 | -.004716 | .0157631 | 113.3846 | 2.560053 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0068912 | .0058380 | 68.89765 | .2506256 | .1751707 | .7292204 | 365.6067 |
| Stddev | .0004416 | .0001663 | .16065 | .0008977 | .0009693 | .0032748 | .4268 |
| %RSD | 6.408440 | 2.847692 | .2331682 | .3581904 | .5533619 | .4490806 | .1167478 |
| #1 | .0073057 | .0056462 | 68.95367 | .2499339 | .1744452 | .7292533 | 365.4744 |
| #2 | .0069410 | .0059272 | 69.02280 | .2503030 | .1747952 | .7324786 | 366.0840 |
| #3 | .0064267 | .0059407 | 68.71650 | .2516401 | .1762716 | .7259292 | 365.2617 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 17.79222 | 61.58517 | .2916607 | -.028423 | 1.376497 | .6466791 | .6902765 |
| Stddev | .01480 | .16470 | .0012115 | .000562 | .291095 | .0171235 | .0033765 |
| %RSD | .0831787 | .2674364 | .4153647 | 1.975780 | 21.14751 | 2.647908 | .4891546 |
| #1 | 17.80178 | 61.60370 | .2904973 | -.028896 | 1.454055 | .6282279 | .6917592 |
| #2 | 17.79971 | 61.73982 | .2915697 | -.027802 | 1.620959 | .6497503 | .6864124 |
| #3 | 17.77517 | 61.41199 | .2929151 | -.028571 | 1.054479 | .6620592 | .6926581 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 19.75895 | 5.324405 | .3637400 | -.000667 | .7296271 | 2.878474 | .0061749 |
| Stddev | .00895 | .023288 | .0030897 | .000445 | .0053612 | .015180 | .0015810 |
| %RSD | .0452958 | .4373838 | .8494182 | 66.65920 | .7347800 | .5273593 | 25.60347 |
| #1 | 19.75751 | 5.344909 | .3607620 | -.000391 | .7335372 | 2.887028 | .0074363 |
| #2 | 19.75081 | 5.329221 | .3635276 | -.000431 | .7235157 | 2.887446 | .0044013 |
| #3 | 19.76853 | 5.299086 | .3669304 | -.001181 | .7318284 | 2.860947 | .0066870 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-16DLX2 Acquired: 10/26/2024 23:48:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE483 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.275684 | .1002425 | .2079576 |
| Stddev | .003503 | .0006138 | .0007551 |
| %RSD | .1539180 | .6123126 | .3630835 |
| | | | |
| #1 | 2.273965 | .1003358 | .2073938 |
| #2 | 2.279714 | .0995874 | .2088154 |
| #3 | 2.273374 | .1008044 | .2076635 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1013.153 | 23490.18 | 2181.475 | 855.3714 | 1584.628 |
| Stddev | 1.903 | 50.72 | 10.314 | 3.0582 | .863 |
| %RSD | .1878245 | .2159191 | .4728220 | .3575333 | .0544721 |
| | | | | | |
| #1 | 1013.379 | 23548.67 | 2175.750 | 856.4658 | 1585.242 |
| #2 | 1014.933 | 23463.56 | 2175.293 | 857.7319 | 1585.001 |
| #3 | 1011.147 | 23458.31 | 2193.382 | 851.9166 | 1583.641 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-17DLX2 Acquired: 10/26/2024 23:53:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE484 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1211207 | -.045769 | .0892137 | .0003404 | .0097130 | 147.5768 | .7447379 |
| Stddev | .0003750 | .005528 | .0029818 | .0039594 | .0028109 | .3296 | .0010084 |
| %RSD | .3096447 | 12.07842 | 3.342282 | 1163.130 | 28.93976 | .2233444 | .1354005 |
| #1 | .1215461 | -.046639 | .0917835 | -.003243 | .0066715 | 147.2054 | .7436314 |
| #2 | .1209785 | -.050810 | .0899133 | .004591 | .0122151 | 147.6908 | .7456051 |
| #3 | .1208376 | -.039857 | .0859443 | -.000326 | .0102524 | 147.8344 | .7449773 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0045436 | .0011210 | 116.3175 | .6375503 | .3137156 | .7888837 | 303.2955 |
| Stddev | .0002507 | .0000920 | .1482 | .0006402 | .0005838 | .0046464 | 1.0037 |
| %RSD | 5.517649 | 8.205848 | .1273723 | .1004071 | .1860908 | .5889787 | .3309162 |
| #1 | .0045048 | .0010394 | 116.1475 | .6377968 | .3134027 | .7835783 | 302.1583 |
| #2 | .0048115 | .0012207 | 116.3856 | .6380306 | .3133550 | .7922280 | 303.6703 |
| #3 | .0043146 | .0011031 | 116.4193 | .6368236 | .3143892 | .7908449 | 304.0577 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 6.447904 | 112.5082 | .5517585 | -.017932 | 2.832965 | .6754095 | .3609096 |
| Stddev | .022918 | .2843 | .0008247 | .000254 | .108399 | .0212732 | .0016172 |
| %RSD | .3554365 | .2527232 | .1494747 | 1.416690 | 3.826338 | 3.149678 | .4480932 |
| #1 | 6.428853 | 112.1847 | .5526233 | -.017648 | 2.733451 | .6592439 | .3600130 |
| #2 | 6.473337 | 112.6212 | .5509808 | -.018138 | 2.816971 | .6674749 | .3627765 |
| #3 | 6.441522 | 112.7187 | .5516713 | -.018009 | 2.948472 | .6995096 | .3599393 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 7.496954 | 3.848115 | .2918985 | -.001400 | .3534254 | 2.981255 | .0003398 |
| Stddev | .113379 | .007951 | .0022354 | .000413 | .0110933 | .011806 | .0028587 |
| %RSD | 1.512335 | .2066240 | .7658053 | 29.51899 | 3.138803 | .3960149 | 841.3508 |
| #1 | 7.627714 | 3.842683 | .2895030 | -.001711 | .3412370 | 2.976420 | -.002896 |
| #2 | 7.437159 | 3.844420 | .2922635 | -.001559 | .3561072 | 2.994711 | .001393 |
| #3 | 7.425990 | 3.857241 | .2939289 | -.000931 | .3629319 | 2.972634 | .002523 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-17DLX2 Acquired: 10/26/2024 23:53:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE484 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 4.463478 | .0812705 | .6676555 |
| Stddev | .012482 | .0006354 | .0015369 |
| %RSD | .2796575 | .7817695 | .2301954 |
| | | | |
| #1 | 4.449598 | .0807074 | .6659979 |
| #2 | 4.473781 | .0819593 | .6690333 |
| #3 | 4.467056 | .0811447 | .6679352 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 972.8725 | 22592.20 | 2116.800 | 822.6145 | 1549.726 |
| Stddev | 2.1551 | 8.09 | 6.665 | 3.3393 | 2.814 |
| %RSD | .2215207 | .0357918 | .3148657 | .4059370 | .1815637 |
| | | | | | |
| #1 | 974.8872 | 22599.93 | 2118.490 | 825.4341 | 1551.777 |
| #2 | 970.6001 | 22592.85 | 2109.453 | 818.9269 | 1550.883 |
| #3 | 973.1302 | 22583.80 | 2122.458 | 823.4824 | 1546.518 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-18DLX2 Acquired: 10/26/2024 23:57:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE485 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2697724 | -.032327 | .0937744 | -.001172 | .0089387 | 97.14713 | 1.592798 |
| Stddev | .0035598 | .001553 | .0047757 | .007446 | .0012072 | .57471 | .006557 |
| %RSD | 1.319556 | 4.804144 | 5.092752 | 635.5680 | 13.50532 | .5915854 | .4116725 |
| #1 | .2683198 | -.030966 | .0972313 | -.007485 | .0101827 | 97.63046 | 1.598255 |
| #2 | .2671687 | -.031996 | .0957667 | .007040 | .0077721 | 97.29926 | 1.594616 |
| #3 | .2738289 | -.034019 | .0883251 | -.003069 | .0088612 | 96.51165 | 1.585524 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0045861 | .0017950 | 227.1687 | .2485340 | .1160822 | .2779010 | 221.3867 |
| Stddev | .0002964 | .0000573 | 1.1105 | .0002633 | .0003753 | .0052033 | 1.2315 |
| %RSD | 6.463617 | 3.194337 | .4888387 | .1059393 | .3233201 | 1.872370 | .5562813 |
| #1 | .0048834 | .0017562 | 228.1283 | .2482334 | .1156491 | .2838103 | 222.6120 |
| #2 | .0045845 | .0017681 | 227.4255 | .2486451 | .1163128 | .2740057 | 221.3991 |
| #3 | .0042906 | .0018609 | 225.9523 | .2487235 | .1162846 | .2758869 | 220.1491 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 4.817699 | 95.75432 | .3172699 | -.011236 | 2.624095 | .4459176 | .3740451 |
| Stddev | .026044 | .32750 | .0012806 | .000356 | .282973 | .0138045 | .0026752 |
| %RSD | .5405826 | .3420254 | .4036359 | 3.169790 | 10.78365 | 3.095757 | .7152135 |
| #1 | 4.840512 | 96.03549 | .3187222 | -.010997 | 2.834827 | .4342540 | .3748815 |
| #2 | 4.823261 | 95.83276 | .3163029 | -.011067 | 2.302471 | .4423402 | .3710516 |
| #3 | 4.789324 | 95.39473 | .3167845 | -.011646 | 2.734989 | .4611587 | .3762022 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 10.59248 | 5.784551 | .2219178 | -.001234 | .6580972 | 3.330060 | -.001557 |
| Stddev | .10728 | .005519 | .0005973 | .000162 | .0044870 | .032865 | .002609 |
| %RSD | 1.012823 | .0954086 | .2691480 | 13.12475 | .6818069 | .9869100 | 167.6236 |
| #1 | 10.53150 | 5.789494 | .2220101 | -.001392 | .6530135 | 3.360470 | -.003988 |
| #2 | 10.71635 | 5.785563 | .2224636 | -.001241 | .6615051 | 3.334514 | -.001882 |
| #3 | 10.52958 | 5.778596 | .2212798 | -.001069 | .6597728 | 3.295195 | .001200 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-18DLX2 Acquired: 10/26/2024 23:57:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE485 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 3.665100 | .0711830 | .6378002 |
| Stddev | .023604 | .0011143 | .0047896 |
| %RSD | .6440105 | 1.565379 | .7509504 |
| | | | |
| #1 | 3.683069 | .0724619 | .6429914 |
| #2 | 3.673862 | .0706657 | .6368563 |
| #3 | 3.638368 | .0704214 | .6335528 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 972.2013 | 22687.42 | 2162.740 | 824.2757 | 1518.988 |
| Stddev | 2.0846 | 41.80 | 18.307 | 4.9752 | 1.766 |
| %RSD | .2144172 | .1842323 | .8464643 | .6035888 | .1162640 |
| | | | | | |
| #1 | 973.6702 | 22639.24 | 2147.102 | 821.3287 | 1517.166 |
| #2 | 973.1183 | 22709.03 | 2158.240 | 830.0200 | 1520.692 |
| #3 | 969.8155 | 22713.98 | 2182.877 | 821.4785 | 1519.105 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-19DLX2 Acquired: 10/27/2024 0:02:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE486 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2623014 | -.042260 | .1825358 | -.007697 | .0104951 | 118.4547 | 1.411639 |
| Stddev | .0035536 | .004783 | .0078968 | .009575 | .0036581 | .1541 | .002740 |
| %RSD | 1.354761 | 11.31849 | 4.326168 | 124.3992 | 34.85577 | .1300822 | .1940910 |
| #1 | .2602559 | -.041793 | .1894888 | -.001280 | .0124671 | 118.6326 | 1.414452 |
| #2 | .2664047 | -.037728 | .1739504 | -.003109 | .0062740 | 118.3670 | 1.411486 |
| #3 | .2602436 | -.047260 | .1841683 | -.018702 | .0127440 | 118.3645 | 1.408979 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0072587 | .0029108 | 125.0701 | .2367210 | .1357559 | .3679496 | 328.4683 |
| Stddev | .0001781 | .0002566 | .2189 | .0012514 | .0009037 | .0050881 | .0443 |
| %RSD | 2.453024 | 8.816769 | .1749928 | .5286191 | .6656884 | 1.382819 | .0134814 |
| #1 | .0072056 | .0030223 | 125.2522 | .2352767 | .1348165 | .3737179 | 328.4200 |
| #2 | .0074572 | .0030929 | 125.1307 | .2374064 | .1358322 | .3640993 | 328.5071 |
| #3 | .0071132 | .0026173 | 124.8273 | .2374799 | .1366190 | .3660315 | 328.4778 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 9.343938 | 53.65048 | .2801869 | -.023465 | 1.459096 | .5727618 | .5232781 |
| Stddev | .023487 | .04440 | .0002804 | .000668 | .193944 | .0115678 | .0023187 |
| %RSD | .2513625 | .0827514 | .1000628 | 2.846927 | 13.29209 | 2.019655 | .4431129 |
| #1 | 9.365928 | 53.65044 | .2798640 | -.023847 | 1.624047 | .5857530 | .5254964 |
| #2 | 9.346689 | 53.69489 | .2803690 | -.023854 | 1.507798 | .5689562 | .5234673 |
| #3 | 9.319196 | 53.60610 | .2803276 | -.022693 | 1.245442 | .5635762 | .5208706 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 17.95949 | 4.197756 | .3313633 | -.000413 | 1.046660 | 3.449736 | .0081574 |
| Stddev | .12507 | .015289 | .0006120 | .000568 | .010417 | .011421 | .0023099 |
| %RSD | .6964042 | .3642112 | .1846927 | 137.3197 | .9952362 | .3310569 | 28.31700 |
| #1 | 18.09889 | 4.187981 | .3319731 | .000238 | 1.041162 | 3.450592 | .0064952 |
| #2 | 17.85711 | 4.189912 | .3313676 | -.000806 | 1.058674 | 3.460704 | .0107950 |
| #3 | 17.92247 | 4.215375 | .3307491 | -.000672 | 1.040144 | 3.437911 | .0071818 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-19DLX2 Acquired: 10/27/2024 0:02:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE486 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.754785 | .0997170 | .2602131 |
| Stddev | .002539 | .0014539 | .0002801 |
| %RSD | .0921641 | 1.458050 | .1076334 |
| | | | |
| #1 | 2.755960 | .1007319 | .2605133 |
| #2 | 2.751871 | .0980513 | .2601671 |
| #3 | 2.756522 | .1003677 | .2599588 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 997.0540 | 23161.95 | 2233.919 | 842.9442 | 1565.360 |
| Stddev | 2.7559 | 36.95 | 6.510 | 3.3595 | 3.372 |
| %RSD | .2764041 | .1595475 | .2914065 | .3985386 | .2154285 |
| | | | | | |
| #1 | 998.7854 | 23171.59 | 2231.052 | 840.1029 | 1568.354 |
| #2 | 998.5007 | 23193.13 | 2229.335 | 846.6521 | 1566.019 |
| #3 | 993.8760 | 23121.14 | 2241.370 | 842.0777 | 1561.707 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-20DLX2 Acquired: 10/27/2024 0:06:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE487 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2214868 | -.034032 | .1724056 | -.005816 | .0041565 | 145.1816 | 1.617493 |
| Stddev | .0040052 | .001358 | .0048727 | .002442 | .0049241 | .3756 | .002338 |
| %RSD | 1.808308 | 3.991446 | 2.826318 | 41.97938 | 118.4689 | .2586932 | .1445246 |
| #1 | .2181205 | -.035514 | .1728215 | -.003035 | -.000554 | 144.9188 | 1.617483 |
| #2 | .2204237 | -.032847 | .1673382 | -.006808 | .009269 | 145.0141 | 1.619836 |
| #3 | .2259163 | -.033734 | .1770570 | -.007607 | .003755 | 145.6117 | 1.615160 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0068508 | .0030077 | 51.77306 | .2691322 | .1524687 | .4550404 | 266.2981 |
| Stddev | .0000929 | .0001181 | .01564 | .0007491 | .0004432 | .0043999 | .4225 |
| %RSD | 1.355479 | 3.926188 | .0302121 | .2783308 | .2906523 | .9669335 | .1586621 |
| #1 | .0069086 | .0031051 | 51.78242 | .2685907 | .1519930 | .4506326 | 266.2150 |
| #2 | .0069001 | .0030418 | 51.75500 | .2699871 | .1525431 | .4550562 | 265.9233 |
| #3 | .0067437 | .0028764 | 51.78175 | .2688189 | .1528699 | .4594324 | 266.7560 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 9.121165 | 59.58149 | .2617057 | -.021959 | 1.319367 | .4789241 | .5583001 |
| Stddev | .018182 | .05719 | .0004359 | .000229 | .265733 | .0062999 | .0027288 |
| %RSD | .1993420 | .0959879 | .1665641 | 1.042501 | 20.14091 | 1.315427 | .4887731 |
| #1 | 9.126922 | 59.61213 | .2619548 | -.022123 | 1.271548 | .4813684 | .5593304 |
| #2 | 9.100801 | 59.61684 | .2612024 | -.022057 | 1.605763 | .4836355 | .5552061 |
| #3 | 9.135772 | 59.51551 | .2619600 | -.021698 | 1.080791 | .4717683 | .5603637 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 30.69148 | 6.249361 | .2822622 | .0014229 | 1.181312 | 4.000013 | .0044975 |
| Stddev | .10648 | .019329 | .0004023 | .0005926 | .005325 | .015563 | .0020373 |
| %RSD | .3469338 | .3092975 | .1425116 | 41.64780 | .4507551 | .3890849 | 45.29777 |
| #1 | 30.74687 | 6.235046 | .2818099 | .0007546 | 1.178279 | 4.002263 | .0062998 |
| #2 | 30.56872 | 6.241688 | .2823971 | .0018843 | 1.178197 | 3.983448 | .0022871 |
| #3 | 30.75885 | 6.271348 | .2825797 | .0016297 | 1.187461 | 4.014330 | .0049056 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-20DLX2 Acquired: 10/27/2024 0:06:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE487 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.991298 | .0944554 | .2664058 |
| Stddev | .007952 | .0009306 | .0011923 |
| %RSD | .2658401 | .9852240 | .4475329 |
| | | | |
| #1 | 2.982514 | .0950629 | .2657523 |
| #2 | 2.993373 | .0949193 | .2656832 |
| #3 | 2.998007 | .0933841 | .2677819 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1040.510 | 23936.97 | 2281.394 | 874.0925 | 1585.068 |
| Stddev | 1.109 | 53.11 | 7.924 | 4.0895 | .919 |
| %RSD | .1066212 | .2218731 | .3473430 | .4678512 | .0579783 |
| | | | | | |
| #1 | 1039.547 | 23996.97 | 2282.954 | 874.8504 | 1585.875 |
| #2 | 1041.723 | 23895.97 | 2288.423 | 877.7500 | 1585.261 |
| #3 | 1040.261 | 23917.97 | 2272.806 | 869.6771 | 1584.068 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-21DLX2 Acquired: 10/27/2024 0:10:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE488 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2176407 | -.026445 | .2333883 | -.002964 | .0064907 | 106.7049 | 1.212350 |
| Stddev | .0018258 | .006211 | .0057725 | .003201 | .0032661 | .2185 | .004185 |
| %RSD | .8388991 | 23.48705 | 2.473364 | 107.9926 | 50.31931 | .2048144 | .3451923 |
| #1 | .2174525 | -.029221 | .2347704 | -.004432 | .0069293 | 106.8694 | 1.213138 |
| #2 | .2159163 | -.019330 | .2270502 | -.005168 | .0095153 | 106.7885 | 1.216084 |
| #3 | .2195533 | -.030785 | .2383444 | .000708 | .0030275 | 106.4569 | 1.207827 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0056095 | .0045539 | 59.37009 | .2191429 | .1146415 | .6959771 | 216.8019 |
| Stddev | .0001370 | .0003006 | .10945 | .0013421 | .0005035 | .0070091 | .3830 |
| %RSD | 2.441858 | 6.599987 | .1843447 | .6124373 | .4391982 | 1.007089 | .1766693 |
| #1 | .0056084 | .0048952 | 59.43477 | .2206902 | .1148986 | .6960709 | 216.5381 |
| #2 | .0057470 | .0043289 | 59.43177 | .2182944 | .1140613 | .7029389 | 217.2412 |
| #3 | .0054731 | .0044375 | 59.24372 | .2184441 | .1149644 | .6889216 | 216.6263 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 6.635155 | 49.29750 | .2164055 | -.015203 | 1.095887 | .4079083 | .6119281 |
| Stddev | .016986 | .11877 | .0003009 | .000461 | .353307 | .0038737 | .0015245 |
| %RSD | .2559938 | .2409340 | .1390328 | 3.030515 | 32.23939 | .9496376 | .2491346 |
| #1 | 6.644450 | 49.43278 | .2167297 | -.014764 | .833109 | .4069739 | .6123831 |
| #2 | 6.645465 | 49.21032 | .2163514 | -.015683 | 1.497529 | .4121636 | .6131733 |
| #3 | 6.615551 | 49.24940 | .2161353 | -.015163 | .957023 | .4045873 | .6102279 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 31.99273 | 6.678722 | .2829874 | .0033309 | 2.218768 | 3.581545 | .0043761 |
| Stddev | .19935 | .007822 | .0010511 | .0003913 | .014791 | .006945 | .0019122 |
| %RSD | .6231182 | .1171166 | .3714349 | 11.74849 | .6666271 | .1938997 | 43.69617 |
| #1 | 32.08122 | 6.687734 | .2820990 | .0036325 | 2.232649 | 3.587907 | .0052933 |
| #2 | 32.13251 | 6.674734 | .2827155 | .0028887 | 2.220447 | 3.582590 | .0056568 |
| #3 | 31.76445 | 6.673697 | .2841478 | .0034715 | 2.203210 | 3.574137 | .0021781 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-21DLX2 Acquired: 10/27/2024 0:10:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE488 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.558089 | .0789971 | .4115915 |
| Stddev | .006908 | .0019874 | .0011403 |
| %RSD | .2700610 | 2.515807 | .2770565 |
| | | | |
| #1 | 2.565971 | .0772776 | .4126006 |
| #2 | 2.555212 | .0811730 | .4118195 |
| #3 | 2.553085 | .0785407 | .4103544 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1013.162 | 23296.24 | 2155.819 | 854.4768 | 1599.610 |
| Stddev | 2.432 | 34.39 | 3.932 | 2.1832 | 5.379 |
| %RSD | .2400354 | .1476409 | .1824059 | .2555029 | .3362645 |
| | | | | | |
| #1 | 1011.284 | 23265.37 | 2151.284 | 854.7816 | 1593.963 |
| #2 | 1015.909 | 23290.02 | 2158.282 | 852.1572 | 1604.673 |
| #3 | 1012.293 | 23333.31 | 2157.891 | 856.4916 | 1600.195 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-22DLX2 Acquired: 10/27/2024 0:15:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE489 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2256883 | -.027510 | .2417712 | -.007735 | .0106966 | 105.4382 | 1.207309 |
| Stddev | .0020591 | .000580 | .0032045 | .003915 | .0034569 | .5551 | .006140 |
| %RSD | .9123812 | 2.106874 | 1.325427 | 50.61589 | 32.31809 | .5264434 | .5085507 |
| #1 | .2233682 | -.028176 | .2454286 | -.003990 | .0114916 | 105.4927 | 1.211486 |
| #2 | .2272991 | -.027241 | .2404288 | -.011800 | .0136867 | 105.9640 | 1.210181 |
| #3 | .2263975 | -.027114 | .2394563 | -.007415 | .0069114 | 104.8579 | 1.200259 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0056542 | .0048105 | 61.24173 | .2167419 | .1243775 | .7123265 | 220.3570 |
| Stddev | .0000887 | .0000660 | .24798 | .0009245 | .0004161 | .0086454 | .6247 |
| %RSD | 1.567826 | 1.371677 | .4049237 | .4265347 | .3345392 | 1.213686 | .2835125 |
| #1 | .0055591 | .0048134 | 61.31130 | .2173623 | .1239420 | .7106500 | 220.3261 |
| #2 | .0057346 | .0048750 | 61.44749 | .2171840 | .1244195 | .7216873 | 220.9966 |
| #3 | .0056689 | .0047431 | 60.96639 | .2156793 | .1247710 | .7046420 | 219.7483 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 6.451648 | 50.21000 | .2214048 | -.015030 | 1.176153 | .4097820 | .6400459 |
| Stddev | .002504 | .22323 | .0002530 | .000727 | .339707 | .0136078 | .0032176 |
| %RSD | .0388192 | .4446007 | .1142897 | 4.837725 | 28.88285 | 3.320736 | .5027164 |
| #1 | 6.451065 | 49.96003 | .2214504 | -.014331 | 1.149638 | .4246368 | .6363470 |
| #2 | 6.454392 | 50.38948 | .2216318 | -.015782 | 1.528340 | .4067899 | .6415930 |
| #3 | 6.449486 | 50.28050 | .2211320 | -.014975 | .850481 | .3979192 | .6421978 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 31.70545 | 7.075672 | .2908225 | .0035161 | 2.334642 | 4.219233 | .0022085 |
| Stddev | .21575 | .015717 | .0005707 | .0010833 | .016116 | .014914 | .0010036 |
| %RSD | .6804765 | .2221315 | .1962230 | 30.81027 | .6903021 | .3534878 | 45.44230 |
| #1 | 31.71852 | 7.093813 | .2903380 | .0035044 | 2.327020 | 4.208875 | .0023369 |
| #2 | 31.91436 | 7.067082 | .2914515 | .0024387 | 2.323751 | 4.236327 | .0031416 |
| #3 | 31.48346 | 7.066122 | .2906779 | .0046052 | 2.353155 | 4.212497 | .0011468 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: P4479-22DLX2 Acquired: 10/27/2024 0:15:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYE489 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 2.536704 | .0808025 | .4093204 |
| Stddev | .011688 | .0024645 | .0022750 |
| %RSD | .4607594 | 3.050057 | .5558049 |
| | | | |
| #1 | 2.534128 | .0833414 | .4098489 |
| #2 | 2.549465 | .0806464 | .4112847 |
| #3 | 2.526519 | .0784197 | .4068277 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1014.983 | 23315.75 | 2193.337 | 852.5544 | 1597.881 |
| Stddev | 2.464 | 55.53 | 3.850 | 3.6023 | 2.294 |
| %RSD | .2427684 | .2381518 | .1755440 | .4225355 | .1435459 |
| | | | | | |
| #1 | 1017.173 | 23267.27 | 2195.698 | 856.5165 | 1597.845 |
| #2 | 1012.315 | 23376.33 | 2188.894 | 851.6700 | 1600.192 |
| #3 | 1015.462 | 23303.66 | 2195.418 | 849.4766 | 1595.605 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: PB164350BL Acquired: 10/27/2024 0:19:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS350 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.003892 | .0030262 | -.000442 | -.001385 | -.000762 | .0126358 | -.000260 |
| Stddev | .002280 | .0048144 | .004078 | .001611 | .000558 | .0104730 | .000196 |
| %RSD | 58.57406 | 159.0906 | 922.1692 | 116.2761 | 73.26649 | 82.88380 | 75.14079 |
| #1 | -.003906 | -.002462 | .003938 | -.003060 | -.000890 | .0008740 | -.000233 |
| #2 | -.006165 | .005003 | -.001134 | -.001250 | -.001245 | .0209517 | -.000468 |
| #3 | -.001605 | .006537 | -.004131 | .000154 | -.000151 | .0160817 | -.000080 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000169 | -.000204 | .0165063 | -.000644 | -.000108 | -.002375 | .0046390 |
| Stddev | .000091 | .000034 | .0282431 | .000334 | .000370 | .001559 | .0134147 |
| %RSD | 53.81549 | 16.64194 | 171.1053 | 51.85643 | 344.2948 | 65.66722 | 289.1690 |
| #1 | -.000268 | -.000169 | .0081595 | -.000275 | -.000417 | -.003091 | -.001487 |
| #2 | -.000090 | -.000236 | .0479821 | -.000730 | -.000208 | -.000586 | .020023 |
| #3 | -.000148 | -.000207 | -.006623 | -.000926 | .000302 | -.003447 | -.004619 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0005985 | -.036809 | .0007572 | .0013328 | -.179537 | .0083176 | -.000757 |
| Stddev | .0012816 | .009263 | .0004553 | .0003761 | .380494 | .0040060 | .000205 |
| %RSD | 214.1428 | 25.16535 | 60.13303 | 28.21512 | 211.9305 | 48.16332 | 27.15197 |
| #1 | .0013188 | -.039273 | .0003591 | .0017282 | -.298667 | .0114960 | -.000520 |
| #2 | .0013580 | -.026563 | .0012536 | .0009797 | .246268 | .0038178 | -.000881 |
| #3 | -.000881 | -.044591 | .0006587 | .0012905 | -.486213 | .0096389 | -.000870 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.242431 | -.000975 | -.005721 | .0003363 | .0009036 | .0007079 | -.000310 |
| Stddev | .099310 | .002538 | .001801 | .0003263 | .0023592 | .0001197 | .001054 |
| %RSD | 40.96434 | 260.1721 | 31.48507 | 97.01633 | 261.0829 | 16.90760 | 340.3808 |
| #1 | -.160357 | .001589 | -.003654 | .0003835 | .0014143 | .0005704 | -.001516 |
| #2 | -.352826 | -.003486 | -.006956 | -.000011 | .0029656 | .0007887 | .000434 |
| #3 | -.214112 | -.001029 | -.006553 | .000637 | -.001669 | .0007646 | .000152 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: PB164350BL Acquired: 10/27/2024 0:19:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS350 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | -.002938 | -.009601 | .0000441 |
| Stddev | .002125 | .001742 | .0001354 |
| %RSD | 72.35170 | 18.14942 | 307.0190 |
| | | | |
| #1 | -.003275 | -.010717 | -.000109 |
| #2 | -.000664 | -.007593 | .000091 |
| #3 | -.004874 | -.010492 | .000150 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 958.6449 | 21690.11 | 2025.774 | 806.1779 | 1744.235 |
| Stddev | 1.2246 | 14.00 | .590 | 2.5256 | 5.949 |
| %RSD | .1277415 | .0645610 | .0291296 | .3132866 | .3410495 |
| | | | | | |
| #1 | 959.6773 | 21680.60 | 2025.568 | 808.9980 | 1741.169 |
| #2 | 958.9655 | 21706.19 | 2025.314 | 804.1242 | 1751.091 |
| #3 | 957.2919 | 21683.55 | 2026.439 | 805.4116 | 1740.445 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: PB164350BS Acquired: 10/27/2024 0:24:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS350 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0157320 | .0534342 | .0242809 | .0640594 | .1116596 | .4354980 |
| Stddev | .0016366 | .0031708 | .0029974 | .0043271 | .0013401 | .0095353 |
| %RSD | 10.40322 | 5.934014 | 12.34449 | 6.754803 | 1.200188 | 2.189514 |
| | | | | | | |
| #1 | .0138831 | .0523221 | .0250177 | .0644610 | .1130821 | .4307939 |
| #2 | .0163179 | .0570112 | .0268411 | .0595455 | .1104208 | .4464712 |
| #3 | .0169951 | .0509692 | .0209838 | .0681717 | .1114760 | .4292288 |

| Elem | Ba4934 | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .4273926 | .0116163 | .0110782 | 11.05622 | .0226911 | .1056724 |
| Stddev | .0116757 | .0002061 | .0000699 | .27571 | .0010700 | .0006655 |
| %RSD | 2.731842 | 1.774292 | .6312669 | 2.493671 | 4.715670 | .6297367 |
| | | | | | | |
| #1 | .4352880 | .0118542 | .0111549 | 11.25449 | .0237324 | .1050296 |
| #2 | .4329089 | .0115032 | .0110617 | 11.17279 | .0215945 | .1056291 |
| #3 | .4139808 | .0114916 | .0110180 | 10.74137 | .0227464 | .1063584 |

| Elem | Cu3247 | Fe2598 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0489759 | .2194494 | .0344778 | 10.91614 | .0881261 | .0249091 |
| Stddev | .0038016 | .0275316 | .0009937 | .25176 | .0001261 | .0001219 |
| %RSD | 7.762165 | 12.54577 | 2.882028 | 2.306296 | .1430794 | .4894648 |
| | | | | | | |
| #1 | .0483727 | .2509248 | .0345607 | 11.13147 | .0882326 | .0249596 |
| #2 | .0530430 | .2075802 | .0354274 | 10.97760 | .0881587 | .0247701 |
| #3 | .0455120 | .1998433 | .0334453 | 10.63933 | .0879869 | .0249977 |

| Elem | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 10.16474 | .1225379 | .1121480 | 9.883545 | .0201512 | F -.005304 |
| Stddev | .16099 | .0110090 | .0009881 | .329928 | .0020104 | .000462 |
| %RSD | 1.583810 | 8.984124 | .8810259 | 3.338150 | 9.976492 | 8.710639 |
| | | | | | | |
| #1 | 10.23302 | .1266917 | .1130762 | 10.20562 | .0224188 | -.004802 |
| #2 | 10.28033 | .1308656 | .1111094 | 9.89872 | .0185871 | -.005399 |
| #3 | 9.98086 | .1100564 | .1122583 | 9.54629 | .0194476 | -.005712 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: PB164350BS Acquired: 10/27/2024 0:24:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS350 Custom ID2: Custom ID3:
Comment:

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | F .0193228 | .1785967 | F .4634812 | .0138731 | .2047245 | F .0190786 |
| Stddev | .0003317 | .0065488 | .0110380 | .0009027 | .0049257 | .0023801 |
| %RSD | 1.716576 | 3.666793 | 2.381541 | 6.506711 | 2.406015 | 12.47510 |
| #1 | .0191843 | .1852978 | .4706990 | .0146502 | .2075020 | .0207493 |
| #2 | .0190829 | .1722117 | .4689698 | .0128830 | .2076341 | .0201329 |
| #3 | .0197014 | .1782808 | .4507748 | .0140863 | .1990373 | .0163534 |

| Elem | Sr4077 |
|---|---|
| Units | ppm |
| Avg | .2083064 |
| Stddev | .0056797 |
| %RSD | 2.726596 |
| #1 | .2123013 |
| #2 | .2108134 |
| #3 | .2018046 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 953.9934 | 21601.20 | 2054.589 | 801.3532 | 1698.685 |
| Stddev | 1.8721 | 67.16 | 43.278 | 3.3299 | 2.631 |
| %RSD | .1962433 | .3108942 | 2.106426 | .4155336 | .1549018 |
| #1 | 952.3959 | 21580.27 | 2023.017 | 798.1326 | 1695.650 |
| #2 | 956.0535 | 21676.33 | 2036.828 | 801.1443 | 1700.088 |
| #3 | 953.5310 | 21547.00 | 2103.923 | 804.7826 | 1700.318 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: PB164350BSD Acquired: 10/27/2024 0:28:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD350 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0055718 | .0282172 | .0135190 | .0374706 | .0560063 | .2074922 | .2242325 |
| Stddev | .0023994 | .0018724 | .0016829 | .0035175 | .0003086 | .0021267 | .0009307 |
| %RSD | 43.06374 | 6.635627 | 12.44827 | 9.387230 | .5510427 | 1.024937 | .4150798 |
| #1 | .0046305 | .0279408 | .0116058 | .0361163 | .0561545 | .2081240 | .2245287 |
| #2 | .0037856 | .0302124 | .0147703 | .0348317 | .0556516 | .2051212 | .2249790 |
| #3 | .0082991 | .0264984 | .0141809 | .0414639 | .0562129 | .2092313 | .2231897 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0060904 | .0057183 | 5.844136 | .0113736 | .0541807 | .0290647 | .1114973 |
| Stddev | .0001467 | .0000783 | .032353 | .0011889 | .0006243 | .0019920 | .0030125 |
| %RSD | 2.409492 | 1.369998 | .5535940 | 10.45297 | 1.152338 | 6.853820 | 2.701818 |
| #1 | .0061114 | .0057495 | 5.879359 | .0125271 | .0545782 | .0298828 | .1149543 |
| #2 | .0062254 | .0057762 | 5.837304 | .0114416 | .0534611 | .0305175 | .1094346 |
| #3 | .0059342 | .0056292 | 5.815745 | .0101522 | .0545028 | .0267939 | .1101030 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0162514 | 5.848903 | .0457937 | .0139819 | 5.026218 | .0594037 | .0579901 |
| Stddev | .0018047 | .144899 | .0005593 | .0004752 | .398213 | .0053066 | .0010627 |
| %RSD | 11.10487 | 2.477367 | 1.221394 | 3.398870 | 7.922715 | 8.933066 | 1.832574 |
| #1 | .0167753 | 5.894905 | .0452922 | .0139758 | 5.047177 | .0619411 | .0590724 |
| #2 | .0142427 | 5.965215 | .0463969 | .0144602 | 5.413538 | .0533048 | .0579497 |
| #3 | .0177361 | 5.686587 | .0456921 | .0135098 | 4.617940 | .0629653 | .0569482 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 4.971699 | .0100446 | -.004699 | .0106637 | .0876172 | .2445669 | .0064603 |
| Stddev | .121465 | .0030674 | .000638 | .0002080 | .0010665 | .0018191 | .0006308 |
| %RSD | 2.443132 | 30.53819 | 13.56839 | 1.950277 | 1.217239 | .7437922 | 9.763700 |
| #1 | 4.859107 | .0134625 | -.004184 | .0108918 | .0882217 | .2446821 | .0064381 |
| #2 | 5.100425 | .0091401 | -.004502 | .0106145 | .0863857 | .2463256 | .0071019 |
| #3 | 4.955564 | .0075310 | -.005412 | .0104847 | .0882441 | .2426930 | .0058409 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: PB164350BSD Acquired: 10/27/2024 0:28:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCSD350 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | .1053473 | .0058597 | .1099551 |
| Stddev | .0012951 | .0023070 | .0008894 |
| %RSD | 1.229386 | 39.37116 | .8089068 |
| | | | |
| #1 | .1068028 | .0082512 | .1106663 |
| #2 | .1049173 | .0036476 | .1102411 |
| #3 | .1043219 | .0056803 | .1089578 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 956.2779 | 21669.93 | 2012.317 | 803.2921 | 1719.787 |
| Stddev | 1.5147 | 46.79 | 3.925 | 4.7197 | 1.874 |
| %RSD | .1583918 | .2159292 | .1950472 | .5875465 | .1089790 |
| | | | | | |
| #1 | 957.5799 | 21669.03 | 2010.979 | 801.5952 | 1717.624 |
| #2 | 954.6156 | 21623.60 | 2009.236 | 799.6555 | 1720.909 |
| #3 | 956.6382 | 21717.17 | 2016.736 | 808.6257 | 1720.829 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCV009 Acquired: 10/27/2024 0:39:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV009 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 4.949798 | 4.605144 | 24.31373 | 4.531716 | 4.622982 | 397.7692 | 9.885575 |
| Stddev | .014302 | .003696 | .01677 | .006002 | .018460 | 3.4964 | .070440 |
| %RSD | .2889394 | .0802647 | .0689700 | .1324510 | .3993049 | .8790115 | .7125537 |
| #1 | 4.933718 | 4.601538 | 24.32030 | 4.525763 | 4.642988 | 400.9059 | 9.941068 |
| #2 | 4.961096 | 4.604969 | 24.32622 | 4.531620 | 4.606608 | 398.4022 | 9.909329 |
| #3 | 4.954580 | 4.608925 | 24.29467 | 4.537766 | 4.619350 | 393.9995 | 9.806329 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .5257599 | 2.461219 | 398.3941 | 14.73676 | 2.455894 | 14.32553 | 400.1379 |
| Stddev | .0066031 | .001082 | 3.0259 | .03155 | .002792 | .13645 | 3.1964 |
| %RSD | 1.255907 | .0439540 | .7595208 | .2141055 | .1136742 | .9524930 | .7988265 |
| #1 | .5319853 | 2.462414 | 400.8199 | 14.71560 | 2.459104 | 14.44885 | 402.9344 |
| #2 | .5264595 | 2.460306 | 399.3591 | 14.77302 | 2.454543 | 14.34880 | 400.8259 |
| #3 | .5188349 | 2.460939 | 395.0035 | 14.72165 | 2.454035 | 14.17894 | 396.6536 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 14.36723 | 403.0372 | 2.436272 | 1.254666 | 395.4586 | 2.384840 | 14.00666 |
| Stddev | .09374 | 3.0897 | .002171 | .004926 | 3.3269 | .012837 | .09742 |
| %RSD | .6524436 | .7666067 | .0891173 | .3926031 | .8412847 | .5382878 | .6955265 |
| #1 | 14.44803 | 405.9511 | 2.437757 | 1.252155 | 398.3543 | 2.388475 | 13.97952 |
| #2 | 14.38919 | 403.3628 | 2.433781 | 1.260341 | 396.1969 | 2.395468 | 13.92569 |
| #3 | 14.26446 | 399.7975 | 2.437280 | 1.251502 | 391.8245 | 2.370577 | 14.11477 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 150.8294 | 4.781993 | 4.918751 | 4.593020 | 4.881863 | 4.877825 | 4.880978 |
| Stddev | 1.3981 | .014967 | .074997 | .009420 | .018082 | .066552 | .002670 |
| %RSD | .9269461 | .3129943 | 1.524715 | .2050861 | .3703841 | 1.364369 | .0546934 |
| #1 | 151.9203 | 4.790064 | 4.990851 | 4.598528 | 4.883681 | 4.944880 | 4.879585 |
| #2 | 151.3146 | 4.764722 | 4.924243 | 4.582143 | 4.862941 | 4.876805 | 4.884056 |
| #3 | 149.2534 | 4.791191 | 4.841159 | 4.598388 | 4.898967 | 4.811789 | 4.879294 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCV009 Acquired: 10/27/2024 0:39:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV009 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 4.790542 | 4.951448 | 4.875053 |
| Stddev | .042122 | .026334 | .048941 |
| %RSD | .8792837 | .5318529 | 1.003901 |
| | | | |
| #1 | 4.833256 | 4.973383 | 4.919322 |
| #2 | 4.789333 | 4.958718 | 4.883339 |
| #3 | 4.749037 | 4.922242 | 4.822499 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 765.6394 | 19683.39 | 1910.291 | 605.2265 | 1326.911 |
| Stddev | 2.1432 | 52.37 | 20.899 | 4.0186 | 1.445 |
| %RSD | .2799184 | .2660542 | 1.094033 | .6639909 | .1089273 |
| | | | | | |
| #1 | 764.2757 | 19733.51 | 1889.887 | 607.7750 | 1325.246 |
| #2 | 768.1096 | 19629.03 | 1909.332 | 607.3106 | 1327.834 |
| #3 | 764.5327 | 19687.64 | 1931.652 | 600.5939 | 1327.654 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCB009 Acquired: 10/27/2024 0:43:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB009 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0014753 | -.000204 | .0030178 | -.000555 | -.000405 | .0378512 | .0001775 |
| Stddev | .0024972 | .001542 | .0035500 | .003126 | .001841 | .0055355 | .0005571 |
| %RSD | 169.2750 | 755.4328 | 117.6356 | 563.4823 | 454.5559 | 14.62443 | 313.8364 |
| #1 | -.001174 | .001460 | .0008702 | -.002521 | -.002523 | .0315415 | .0007582 |
| #2 | .003786 | -.001586 | .0071154 | .003049 | .000812 | .0401212 | -.000353 |
| #3 | .001814 | -.000486 | .0010678 | -.002193 | .000496 | .0418908 | .000127 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000143 | .0000976 | .0168770 | .0005640 | .0003017 | -.000303 | .0195051 |
| Stddev | .000115 | .0001317 | .0063150 | .0004729 | .0001609 | .003274 | .0319630 |
| %RSD | 80.44693 | 134.9634 | 37.41807 | 83.85054 | 53.32558 | 1081.254 | 163.8701 |
| #1 | -.000254 | .0002153 | .0213066 | .0010969 | .0001659 | .000199 | .0346253 |
| #2 | -.000148 | -.000045 | .0096458 | .0001945 | .0004794 | -.003798 | .0411026 |
| #3 | -.000025 | .000122 | .0196784 | .0004005 | .0002598 | .002691 | -.017213 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0006872 | -.041172 | .0004804 | .0025604 | -.404470 | .0084680 | .0004343 |
| Stddev | .0005939 | .025747 | .0007684 | .0002138 | .116465 | .0054086 | .0001548 |
| %RSD | 86.42718 | 62.53627 | 159.9631 | 8.349062 | 28.79454 | 63.87095 | 35.65251 |
| #1 | .0011896 | -.021108 | -.000224 | .0025728 | -.533507 | .0083474 | .0003736 |
| #2 | .0000317 | -.070203 | .001300 | .0027677 | -.307143 | .0139359 | .0006102 |
| #3 | .0008402 | -.032203 | .000364 | .0023407 | -.372761 | .0031207 | .0003190 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.103641 | .0005395 | .0036369 | .0006787 | -.001542 | -.001852 | .0006565 |
| Stddev | .167043 | .0025137 | .0015784 | .0002299 | .002783 | .000187 | .0011970 |
| %RSD | 161.1743 | 465.9428 | 43.39996 | 33.87508 | 180.5143 | 10.09360 | 182.3267 |
| #1 | -.276036 | .0032328 | .0043553 | .0004404 | -.004573 | -.001684 | -.000608 |
| #2 | .057479 | -.001744 | .0047284 | .0006964 | -.000950 | -.001818 | .000805 |
| #3 | -.092367 | .000130 | .0018271 | .0008992 | .000898 | -.002054 | .001772 |

Reviewed By:Mohan
On:11/5/2024 7:53:12 AM
Inst Id :P5

Sample Name: CCB009 Acquired: 10/27/2024 0:43:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v711) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB009 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | -.000403 | -.007002 | .0002279 |
| Stddev | .002240 | .000444 | .0000759 |
| %RSD | 555.6566 | 6.338631 | 33.28598 |
| | | | |
| #1 | -.001202 | -.007301 | .0003061 |
| #2 | .002127 | -.006492 | .0002228 |
| #3 | -.002135 | -.007213 | .0001547 |

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 955.0720 | 21608.34 | 2018.530 | 800.3879 | 1736.501 |
| Stddev | 1.4368 | 59.37 | 6.843 | 4.7765 | 2.128 |
| %RSD | .1504358 | .2747496 | .3390309 | .5967737 | .1225622 |
| | | | | | |
| #1 | 954.6641 | 21539.88 | 2021.239 | 803.1468 | 1734.929 |
| #2 | 953.8833 | 21639.45 | 2010.746 | 803.1443 | 1735.651 |
| #3 | 956.6686 | 21645.70 | 2023.604 | 794.8724 | 1738.923 |

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

# Prep Standard - Chemical Standard Summary

**Order ID :** P4479

**Test :** Metals CLP Full

**Prepbatch ID :** PB164350,

**Sequence ID/Qc Batch ID:** LB133149,

**Standard ID :**
MP81119,MP82127,MP82441,MP82442,MP82443,MP82444,MP82445,MP82446,MP82450,MP82451,MP82452,MP82453,MP82455,MP82456,MP82631,MP82632,MP82711,MP82731,

**Chemical ID :**
M4960,M5130,M5192,M5218,M5223,M5288,M5289,M5295,M5296,M5390,M5394,M5429,M5467,M5473,M5498,M5513,M5515,M5519,M5634,M5658,M5697,M5698,M5747,M5748,M5769,M5798,M5799,M5800,M5801,M5802,M5806,M5814,M5815,M5816,M5817,M5818,M5819,M5820,M5875,M5935,M5961,M5962,M5970,M5976,M5978,M5982,M5984,M5990,M5999,M6021,M6023,M6025,M6028,M6030,M6033,M6037,M6040,M6096,W2606,W3112,

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

# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 169 | 1:1HNO3 | MP81119 | 06/21/2024 | 04/24/2025 | Al-Terek Isaac | METALS_SCALE_2 (M SC-2) | METALS_PIPETTE_1 (ICP A) | Sarabjit Jaswal 06/21/2024 |

**FROM** 1250.00000ml of M5935 + 1250.00000ml of W2606 = Final Quantity: 2500.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 170 | 1:1HCL | MP82127 | 09/03/2024 | 02/08/2025 | Janvi Patel | None | None | Sarabjit Jaswal 09/03/2024 |

**FROM** 1250.00000ml of M6040 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

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

# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 902 | ICP AES CAL BLK ( SO/ICB/CCB) | MP82441 | 09/23/2024 | 10/30/2024 | Kareem Khairalla | None | None | Sarabjit Jaswal 09/24/2024 |

**FROM** 125.00000ml of M6040 + 2350.00000ml of W3112 + 25.00000ml of M6037 = Final Quantity: 2500.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 2480 | ICP AES STD 6 ISM01.3 | MP82442 | 09/23/2024 | 10/30/2024 | Kareem Khairalla | None | None | Sarabjit Jaswal 09/24/2024 |

**FROM** 4.00000ml of M5289 + 4.00000ml of M5498 + 4.00000ml of M5515 + 4.00000ml of M5769 + 4.00000ml of M5806 + 30.00000ml of MP82441 = Final Quantity: 50.000 ml

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

# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1004 | ICPAES ISM01.2 (S5) | MP82443 | 09/23/2024 | 10/30/2024 | Kareem Khairalla | None | None | Sarabjit Jaswal 09/24/2024 |

**FROM** 0.25000ml of M5798 + 0.50000ml of M5429 + 0.50000ml of M5473 + 0.50000ml of M5815 + 0.50000ml of M5817 + 12.50000ml of M5519 + 12.50000ml of M5698 + 12.50000ml of M5806 + 12.50000ml of M5819 + 13.75000ml of M5697 + 14.50000ml of M5515 + 14.50000ml of M5658 + 14.50000ml of M6033 + 2.00000ml of M5513 + 22.50000ml of M5498 + 22.50000ml of M5769 + 5.00000ml of M5296 + 5.00000ml of M5394 + 5.00000ml of M5802 + 5.00000ml of M5818 + 5.00000ml of M5875 + 303.50000ml of MP82441 = Final Quantity: 500.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1005 | ICPAES ISM01.2(S4) | MP82444 | 09/23/2024 | 10/30/2024 | Kareem Khairalla | None | None | Sarabjit Jaswal 09/24/2024 |

**FROM** 250.00000ml of MP82441 + 250.00000ml of MP82443 = 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 |
|---|---|---|---|---|---|---|---|---|
| 1007 | ICPAES ISM01.2(S3) | MP82445 | 09/23/2024 | 10/30/2024 | Kareem Khairalla | None | None | Sarabjit Jaswal 09/24/2024 |

**FROM** 25.00000ml of MP82443 + 75.00000ml of MP82441 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1008 | ICPAES ISM01.2(S2) | MP82446 | 09/23/2024 | 10/30/2024 | Kareem Khairalla | None | None | Sarabjit Jaswal 09/24/2024 |

**FROM** 12.50000ml of MP82443 + 87.50000ml of MP82441 = 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 |
|---|---|---|---|---|---|---|---|---|
| 2054 | ICV-ICPAES | MP82450 | 09/23/2024 | 10/30/2024 | Kareem Khairalla | None | None | Sarabjit Jaswal 09/24/2024 |

**FROM** 0.50000ml of M5218 + 0.50000ml of M5816 + 0.50000ml of M5820 + 0.50000ml of M5970 + 0.50000ml of M5982 + 10.00000ml of M5295 + 87.50000ml of MP82441 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 904 | ICP AES ICSA SOLN | MP82451 | 09/23/2024 | 10/30/2024 | Kareem Khairalla | None | None | Sarabjit Jaswal 09/24/2024 |

**FROM** 25.00000ml of M5130 + 225.00000ml of MP82441 = 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 |
|---|---|---|---|---|---|---|---|---|
| 905 | ICP AES ICSAB SOLN | MP82452 | 09/23/2024 | 10/30/2024 | Kareem Khairalla | None | None | Sarabjit Jaswal 09/24/2024 |

**FROM** 25.00000ml of M5130 + 25.00000ml of M5223 + 200.00000ml of MP82441 = Final Quantity: 250.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1119 | ICPAES ISM01.2(CCV) | MP82453 | 09/23/2024 | 10/30/2024 | Kareem Khairalla | None | None | Sarabjit Jaswal 09/24/2024 |

**FROM** 0.75000ml of M5498 + 0.75000ml of M5769 + 1.22500ml of M6033 + 1.25000ml of M5515 + 1.25000ml of M5806 + 19.77500ml of MP82441 + 25.00000ml of MP82443 = 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 |
|---|---|---|---|---|---|---|---|---|
| 919 | ICP AES INTERNAL STD | MP82455 | 09/23/2024 | 10/30/2024 | Kareem Khairalla | None | None | Sarabjit Jaswal 09/24/2024 |

**FROM** 1.00000ml of M5984 + 10.00000ml of M4960 + 1969.00000ml of W3112 + 20.00000ml of M6037 = Final Quantity: 2000.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 903 | ICP AES RINSE SOLN | MP82456 | 09/23/2024 | 10/30/2024 | Kareem Khairalla | None | None | Sarabjit Jaswal 09/24/2024 |

**FROM** 200.00000ml of M6037 + 9800.00000ml of W3112 = Final Quantity: 10000.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 994 | ICPAES ISM01.2 S1 (CONC.) | MP82631 | 10/02/2024 | 10/23/2024 | Kareem Khairalla | None | None | Sarabjit Jaswal 10/02/2024 |

**FROM** 0.02000ml of M5815 + 0.03000ml of M5429 + 0.10000ml of M5798 + 0.10000ml of M6028 + 0.14000ml of M5799 + 0.20000ml of M5473 + 0.20000ml of M5515 + 0.20000ml of M5658 + 0.20000ml of M5801 + 0.20000ml of M5817 + 0.20000ml of M5976 + 0.20000ml of M6025 + 0.20000ml of M6030 + 0.30000ml of M5698 + 0.40000ml of M6033 + 0.50000ml of M5697 + 0.50000ml of M6023 + 0.70000ml of M5962 + 0.80000ml of M5961 + 1.00000ml of M5800 + 1.00000ml of M6021 + 1.20000ml of M5802 + 1.20000ml of M5819 + 10.00000ml of M5498 + 10.00000ml of M5519 + 10.00000ml of M5769 + 10.00000ml of M5806 + 10.00000ml of M5818 + 2.00000ml of M5978 + 4.00000ml of M5390 + 34.24000ml of MP82441 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1003 | ICPAES ISM01.2 S1 | MP82632 | 10/02/2024 | 10/30/2024 | Kareem Khairalla | None | None | Sarabjit Jaswal 10/02/2024 |

**FROM** 0.50000ml of MP82631 + 87.50000ml of MP82441 = 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 |
|---|---|---|---|---|---|---|---|---|
| 2950 | ICP AES S1/CRI STOCK STD | MP82711 | 10/07/2024 | 10/31/2024 | Kareem Khairalla | None | None | Sarabjit Jaswal 10/07/2024 |

**FROM** 0.00300ml of M6028 + 0.03000ml of M5798 + 0.05000ml of M5515 + 0.05000ml of M5658 + 0.05000ml of M6030 + 0.05000ml of M6033 + 0.06000ml of M5747 + 0.10000ml of M5697 + 0.10000ml of M5698 + 0.10000ml of M5801 + 0.10000ml of M5820 + 0.10000ml of M5962 + 0.10000ml of M5970 + 0.10000ml of M5982 + 0.15000ml of M5800 + 0.20000ml of M5748 + 0.20000ml of M5799 + 0.20000ml of M5819 + 0.20000ml of M6021 + 0.20000ml of M6023 + 0.25000ml of M5467 + 0.25000ml of M5802 + 0.50000ml of M5390 + 0.50000ml of M5814 + 1.00000ml of M5192 + 1.00000ml of M5288 + 1.00000ml of M5498 + 1.00000ml of M5769 + 1.00000ml of M5806 + 1.00000ml of M5978 + 2.00000ml of M5816 + 2.00000ml of M5818 + 77.68000ml of MP82441 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 921 | ICPAES SPIKE SOL#6 | MP82731 | 10/04/2024 | 10/31/2024 | Sarabjit Jaswal | METALS_SCALE_2 (M SC-2) | METALS_PIPETTE_3 (A) | Mohan Bera 10/08/2024 |

**FROM** 2.50000ml of M5962 + 50.00000ml of M5990 + 50.00000ml of M5999 + 147.50000ml of MP82441 = Final Quantity: 250.000 ml

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | CGIN10-5 / INDIUM 1 x 500 ml | 100721 | 10/07/2024 | 10/09/2021 / jaswal | 10/08/2021 / jaswal | M4960 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| EPA | PART A / ICSA ( ICP ) STOCK SOLN | ICSA-1211 | 11/19/2024 | 05/20/2024 / jaswal | 04/20/2021 / bin | M5130 |

| 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 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | CHEM-QC-4 / CHEM-QC-4, Second Source, 1000 ug/ml, B, Mo, Si, Sn, Ti | S2-MEB711674 | 11/02/2026 | 07/01/2022 / bin | 09/10/2021 / bin | M5218 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| EPA | PART B / ICSAB ( ICP ) STOCK SOLN | ICSB-0710 | 11/19/2024 | 05/20/2024 / jaswal | 04/20/2021 / bin | M5223 |

| 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 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58113 / Aluminum (Al) 10,000PPM | 070622 | 07/06/2025 | 09/02/2022 / jaswal | 07/12/2022 / jaswal | M5289 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| EPA | ICV-1 / ICV ( ICP/ICPMS ) STOCK SOLN | ICV-1014 | 02/05/2025 | 08/07/2024 / jaswal | 02/20/2020 / bin | M5295 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | Z9651Q / CHEM-CLP-4/.25L | S2-MEB711673 | 11/02/2026 | 09/19/2022 / jaswal | 08/20/2022 / jaswal | M5296 |

| 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 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | CLPP-CAL-3 / CLP CAL SOLUTION #3, 125mL | T2-MEB714159 | 01/13/2027 | 11/28/2022 / bin | 09/19/2022 / bin | M5394 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57103 / Li, 10000 PPM, 125 ml | 070622 | 07/06/2025 | 01/30/2023 / bin | 01/26/2023 / bin | M5429 |

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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. | 57058 / Cerium, 1000PPM, 100ML | 020623 | 02/06/2026 | 03/06/2023 / bin | 03/01/2023 / bin | M5467 |

| 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 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| PCI Scientific Supply, Inc. | 1403 / Hydrogen Peroxide, 30% 1 gal | 820803 | 02/03/2025 | 04/18/2024 / jaswal | 08/03/2022 / Al-Terek | M5634 |

| 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 # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / Lead (Pb) 1000PPM | 100923 | 10/09/2026 | 05/20/2024 / Jaswal | 12/20/2023 / jaswal | M5747 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / Nickel (Ni) 1000PPM | 091223 | 09/12/2026 | 01/02/2024 / bin | 12/20/2023 / jaswal | M5748 |

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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. | 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 # |
|---|---|---|---|---|---|---|
| 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 |

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| 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 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57005 / B, 1000 PPM, 125 ml | 071123 | 07/11/2026 | 03/26/2024 / Sohil | 01/03/2024 / jaswal | M5814 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57115 / P, 10000 PPM, 125 ml | 041723 | 04/17/2026 | 05/21/2024 / Jaswal | 02/09/2024 / jaswal | M5815 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57016 / S, 1000 PPM, 125 ml | 122923 | 12/29/2026 | 05/20/2024 / Jaswal | 02/09/2024 / jaswal | M5816 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57116 / S, 10000 PPM, 125 ml | 071123 | 07/11/2026 | 03/01/2024 / jaswal | 02/09/2024 / jaswal | M5817 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57014 / Si, 1000 PPM, 125 ml | 122023 | 12/20/2026 | 03/06/2024 / jaswal | 02/09/2024 / jaswal | M5818 |

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| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58030 / Zinc, Zn, 500 ml, 1000 PPM | 111623 | 11/16/2026 | 03/20/2024 / jaswal | 02/09/2024 / jaswal | M5819 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57015 / P, 1000 PPM, 125 ml | 091123 | 09/11/2026 | 05/01/2024 / jaswal | 02/09/2024 / jaswal | M5820 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | CLPP-CAL-1 / CLP CAL SOLUTION #1, 125mL | T2-MEB714417 | 01/27/2027 | 04/19/2024 / jaswal | 02/22/2024 / jaswal | M5875 |

| 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 | 12/08/2024 | 06/21/2024 / Al-Terek | 06/07/2024 / Al-Terek | M5935 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57028 / Ni, 1000 PPM, 125 ml | 041124 | 04/11/2027 | 07/02/2024 / Jaswal | 06/11/2024 / Jaswal | M5961 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57034 / Se, 1000 PPM, 125 ml | 060624 | 06/06/2027 | 07/02/2024 / Jaswal | 06/14/2024 / Jaswal | M5962 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57003 / Li, 1000 PPM, 125 ml | 061224 | 06/21/2027 | 07/01/2024 / Jaswal | 07/01/2024 / Jaswal | M5970 |

| 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. | 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 # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | CGY10-1 / YTTRIUM 125mL 10,000ug/mL | V2-Y740548 | 02/20/2029 | 08/05/2024 / kareem | 06/14/2024 / Jaswal | M5984 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | CLPP-SPK-5 / CLP Spike Standard 5 | V2-MEB742037 | 03/12/2029 | 10/04/2024 / Jaswal | 02/22/2024 / Jaswal | M5990 |

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 | CLPP-SPK-1 / SOIL/WATER SPIKE SOLN 1, 125mL | T2-MEB721963 | 07/27/2027 | 09/04/2024 / Jaswal | 02/22/2024 / kareem | M5999 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57023 / V, 1000 PPM, 125 ml | 062424 | 06/24/2027 | 09/28/2024 / jaswal | 08/05/2024 / Jaswal | M6021 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57081 / Tl, 1000 PPM, 125 ml | 0624724 | 06/27/2027 | 08/05/2024 / kareem | 08/05/2024 / Jaswal | M6023 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57082 / Pb, 1000 PPM, 125 ml | 061224 | 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 |

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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. | 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 | 02/02/2025 | 08/24/2024 / Janvi | 08/01/2024 / Janvi | M6037 |

| 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) | 24D1562005 | 02/08/2025 | 08/09/2024 / jaswal | 08/01/2024 / Janvi | M6040 |

| 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 | 10/22/2024 / Janvi | 09/21/2024 / Janvi | M6096 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | DIW / DI Water | Daily Lab-Certified | 10/24/2024 | 10/24/2019 / apatel | 10/24/2019 / apatel | W2606 |

| 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 |

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Refine your results. Redefine your industry.

# Certificate of Analysis

R: 02/22/24 M5986 M5987, M5988, M5989-M5990

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Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
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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: | CLPP-SPK-5 |
| Lot Number: | V2-MEB742037 |
| Matrix: | 5% (v/v) HNO3 |
| Value / Analyte(s): | 100 µg/mL ea: Antimony, |
| | 50 µg/mL ea: Selenium, Cadmium, Thallium, |
| | 40 µg/mL ea: Arsenic, |
| | 20 µg/mL ea: Lead |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ANALYTE | CERTIFIED VALUE | ANALYTE | CERTIFIED VALUE |
|---|---|---|---|
| Antimony, Sb | 100.0 ± 0.7 µg/mL | Arsenic, As | 40.00 ± 0.26 µg/mL |
| Cadmium, Cd | 49.99 ± 0.22 µg/mL | Lead, Pb | 19.99 ± 0.09 µg/mL |
| Selenium, Se | 50.00 ± 0.23 µg/mL | Thallium, Tl | 50.00 ± 0.22 µg/mL |

**Density:** 1.025 g/mL (measured at 20 ± 4 °C)

**Assay Information:**

| ANALYTE | METHOD | NIST SRM# | SRM LOT# |
|---|---|---|---|
| As | ICP Assay | 3103a | 100818 |
| Cd | ICP Assay | 3108 | 130116 |
| Cd | EDTA | 928 | 928 |
| Cd | Calculated | | See Sec. 4.2 |
| Pb | ICP Assay | 3128 | 101026 |
| Pb | EDTA | 928 | 928 |
| Pb | Calculated | | See Sec. 4.2 |
| Sb | ICP Assay | 3102a | 140911 |
| Se | ICP Assay | 3149 | 100901 |
| Se | Calculated | | See Sec. 4.2 |
| Tl | ICP Assay | 3158 | 151215 |
| Tl | Calculated | | See Sec. 4.2 |

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

### Characterization of CRM/RM by Two or More Methods

**Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:**

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

$w_i$ = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

**CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$**

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

### Characterization of CRM/RM by One Method

**Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:**

$X_{CRM/RM} = (X_a)(u_{char\ a})$

$X_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

**CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$**

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

## 4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

### 4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

### 4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

### 4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

## 5.0 TRACE METALLIC IMPURITIES (TMI ) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

## 6.0 INTENDED USE

**6.1** This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

**6.2** For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

## 7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

### 7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

## 8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

## 9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

## 10.0 QUALITY STANDARD DOCUMENTATION

### 10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

### 10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

### 10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

## 11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

**11.1 Certification Issue Date**

March 12, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

**11.2 Lot Expiration Date**

**- March 12, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

**11.3 Period of Validity**

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Approved By:**

Joseph Burns
Custom VS Manager

**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

M6028

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

R 8/5/24

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CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **57048** | | **Lot #** | | |
| **Lot Number:** | **070124** | **Solvent:** | 24002546 | Nitric Acid | |
| **Description:** | **Cadmium (Cd)** | | | | |
| | | 2% | 40.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 070127 | | | | |
| **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):** | 2000.07 | 0.100 | Flask Uncertainty | | |

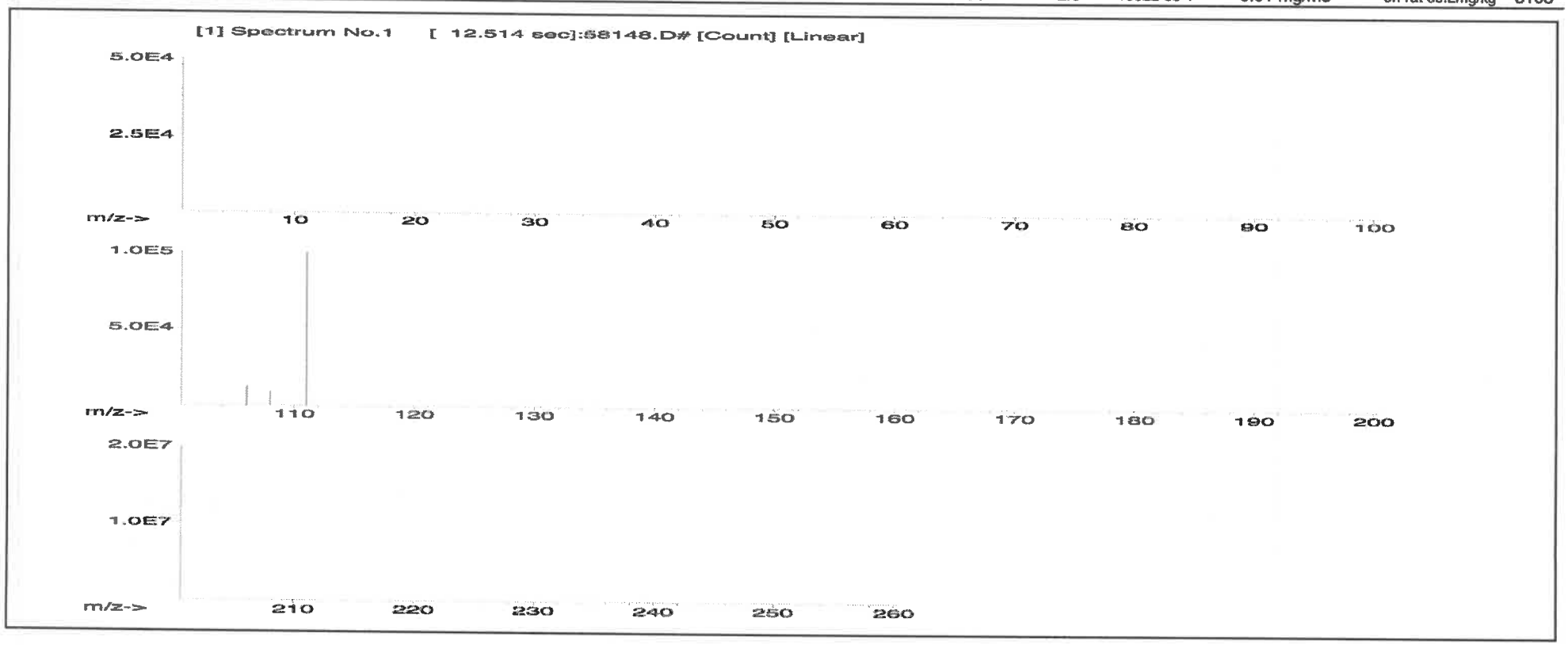
Aleah O'Brady

| | | |
|---|---|---|
| Formulated By: | Aleah O'Brady | 070124 |

Pedro Rentas

| | | |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 070124 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Cadmium nitrate tetrahydrate (Cd) | IN024 | CDM092021A1 | 1000 | 99.999 | 0.10 | 36.5 | 5.4797 | 5.4804 | **1000.1** | **2.0** | 10022-68-1 | 0.01 mg/m3 | orl-rat 60.2mg/kg | 3108 |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | T | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

M5296 OP: 09/19/2022 BH

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# Certificate of Analysis

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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: | CHEM-CLP-4 |
| Lot Number: | S2-MEB711673 |
| Matrix: | 3% (v/v) HNO3<br>3% (v/v) HF |
| Value / Analyte(s): | 1 000 µg/mL ea:<br>Boron, Molybdenum,<br>Silicon, Tin,<br>Titanium |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ANALYTE | CERTIFIED VALUE | ANALYTE | CERTIFIED VALUE |
|---|---|---|---|
| **Boron, B** | **1 000 ± 6 µg/mL** | **Molybdenum, Mo** | **1 000 ± 6 µg/mL** |
| **Silicon, Si** | **1 000 ± 7 µg/mL** | **Tin, Sn** | **1 000 ± 6 µg/mL** |
| **Titanium, Ti** | **1 000 ± 7 µg/mL** | | |

**Density:** 1.030 g/mL (measured at 20 ± 4 ºC)

### Assay Information:

| ANALYTE | METHOD | NIST SRM# | SRM LOT# |
|---|---|---|---|
| B | ICP Assay | 3107 | 110830 |
| Mo | ICP Assay | 3134 | 130418 |
| Si | ICP Assay | 3150 | 130912 |
| Sn | ICP Assay | 3161a | 140917 |
| Ti | ICP Assay | 3162a | 130925 |

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)

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.

## 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

November 02, 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

- **November 02, 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

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: | CLPP-CAL-1 |
| Lot Number: | T2-MEB714417 |
| Matrix: | 5% (v/v) HNO3 |
| Value / Analyte(s): | 5 000 µg/mL ea:<br>Calcium, Potassium,<br>Magnesium, Sodium,<br>2 000 µg/mL ea:<br>Aluminum, Barium,<br>1 000 µg/mL ea:<br>Iron,<br>500 µg/mL ea:<br>Nickel, Vanadium,<br>Zinc, Cobalt,<br>Manganese,<br>250 µg/mL ea:<br>Silver, Copper,<br>200 µg/mL ea:<br>Chromium,<br>50 µg/mL ea:<br>Beryllium |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ANALYTE | CERTIFIED VALUE | ANALYTE | CERTIFIED VALUE |
|---|---|---|---|
| **Aluminum, Al** | **2 000 ± 7 µg/mL** | **Barium, Ba** | **2 000 ± 9 µg/mL** |
| **Beryllium, Be** | **50.00 ± 0.26 µg/mL** | **Calcium, Ca** | **5 000 ± 22 µg/mL** |
| **Chromium, Cr** | **200.0 ± 1.0 µg/mL** | **Cobalt, Co** | **500.0 ± 2.4 µg/mL** |
| **Copper, Cu** | **250.0 ± 1.0 µg/mL** | **Iron, Fe** | **1 000 ± 4 µg/mL** |
| **Magnesium, Mg** | **5 000 ± 20 µg/mL** | **Manganese, Mn** | **500.0 ± 2.0 µg/mL** |
| **Nickel, Ni** | **500.0 ± 2.2 µg/mL** | **Potassium, K** | **5 000 ± 19 µg/mL** |
| **Silver, Ag** | **250.0 ± 1.1 µg/mL** | **Sodium, Na** | **5 000 ± 18 µg/mL** |
| **Vanadium, V** | **499.7 ± 2.2 µg/mL** | **Zinc, Zn** | **500.0 ± 2.2 µg/mL** |

**Density:** 1.118 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 |
| Ba | ICP Assay | 3104a | 140909 |
| Ba | Gravimetric | | See Sec. 4.2 |
| Be | ICP Assay | 3105a | 090514 |
| Be | Calculated | | See Sec. 4.2 |
| Ca | ICP Assay | 3109a | 130213 |
| Ca | EDTA | 928 | 928 |
| Co | ICP Assay | 3113 | 190630 |
| Co | EDTA | 928 | 928 |
| Cr | ICP Assay | 3112a | 170630 |
| Cr | Calculated | | See Sec. 4.2 |
| Cu | ICP Assay | 3114 | 121207 |
| Cu | EDTA | 928 | 928 |
| Fe | ICP Assay | 3126a | 140812 |
| Fe | EDTA | 928 | 928 |
| 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 |
| V | IC Assay | 3165 | 160906 |
| V | EDTA | 928 | 928 |
| Zn | ICP Assay | 3168a | 120629 |
| Zn | EDTA | 928 | 928 |

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

**Characterization of CRM/RM by Two or More Methods**

**Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:**

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = 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**

**Note**: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information.

https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver

## 8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

## 9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

## 10.0 QUALITY STANDARD DOCUMENTATION

### 10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

### 10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

### 10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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## 11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

### 11.1 Certification Issue Date

January 27, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

### 11.2 Lot Expiration Date

- **January 27, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

### 11.3 Period of Validity

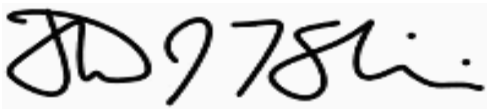
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Approved By:**

Thomas Kozikowski
Manager, Quality Control



**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director

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Refine your results. Redefine your industry.

# Certificate of Analysis

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Christiansburg, VA 24073 USA
inorganicventures.com

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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: | Multi Analyte Custom Grade Solution |
| Catalog Number: | CLPP-CAL-3 |
| Lot Number: | T2-MEB714159 |
| Matrix: | 7% (v/v) HNO3 |
| Value / Analyte(s): | 1 000 µg/mL ea:<br>Arsenic, Lead,<br>Selenium, Thallium,<br><br>500 µg/mL ea:<br>Cadmium |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ANALYTE | CERTIFIED VALUE | ANALYTE | CERTIFIED VALUE |
|---|---|---|---|
| **Arsenic, As** | **1 000 ± 8 µg/mL** | **Cadmium, Cd** | **500.0 ± 2.1 µg/mL** |
| **Lead, Pb** | **1 000 ± 5 µg/mL** | **Selenium, Se** | **1 000 ± 8 µg/mL** |
| **Thallium, Tl** | **1 000 ± 7 µg/mL** | | |

**Density:** 1.043 g/mL (measured at 20 ± 4 ºC)

### Assay Information:

| ANALYTE | METHOD | NIST SRM# | SRM LOT# |
|---|---|---|---|
| As | ICP Assay | 3103a | 100818 |
| Cd | ICP Assay | 3108 | 130116 |
| Cd | EDTA | 928 | 928 |
| Pb | ICP Assay | 3128 | 101026 |
| Pb | EDTA | 928 | 928 |
| Se | ICP Assay | 3149 | 100901 |
| Tl | ICP Assay | 3158 | 151215 |

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

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k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

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$u_{ts}$ = 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

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## 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.

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## 11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

### 11.1 Certification Issue Date

January 13, 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

- **January 13, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

### 11.3 Period of Validity

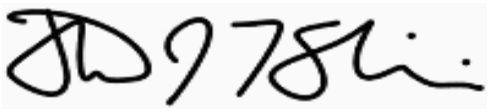
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Approved By:**

Thomas Kozikowski
Manager, Quality Control



**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

R: 8/5/24

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CERTIFIED WEIGHT REPORT:

**Part Number:** 57182
**Lot Number:** 110923
**Description:** Lead (Pb)

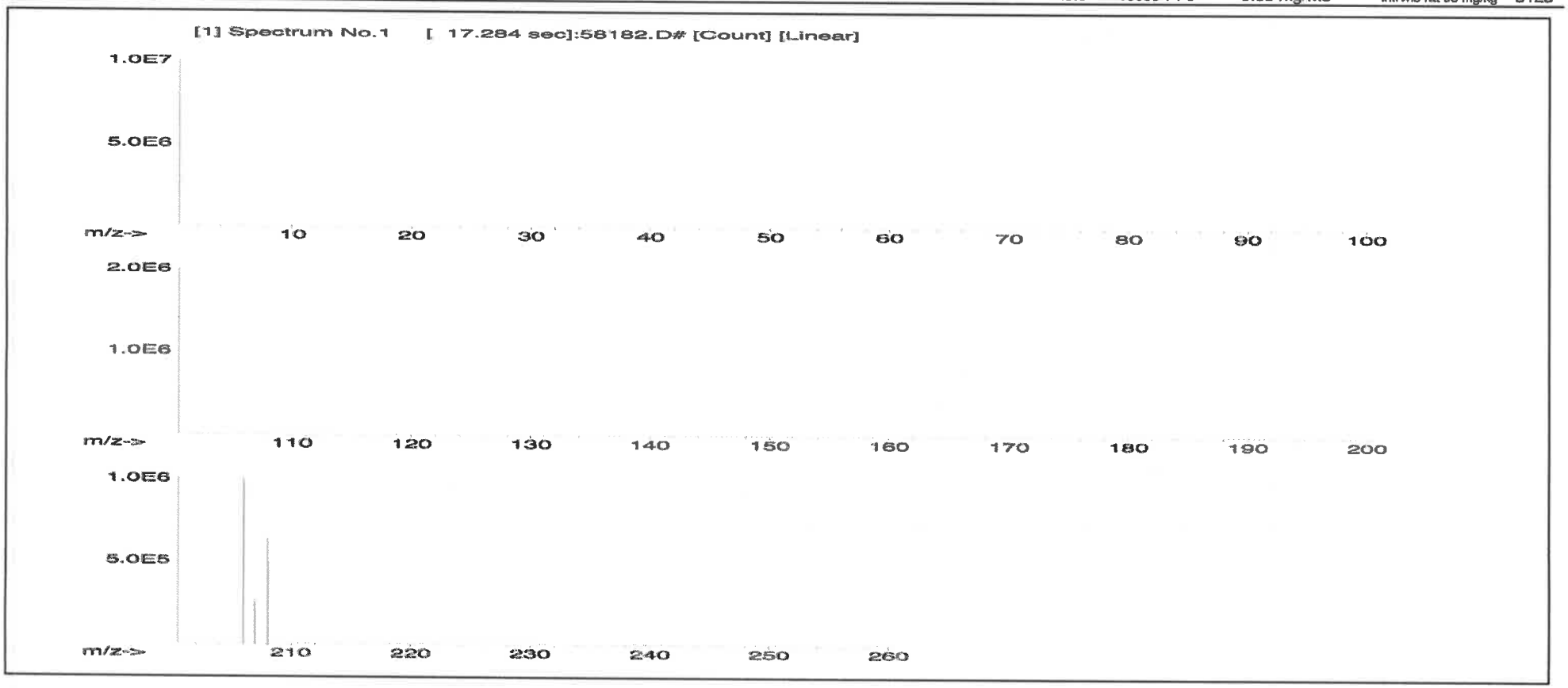
**Expiration Date:** 110926
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 2000.02

| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 24002546 | Nitric Acid | |
| 2% | 40.0 (mL) | Nitric Acid | |

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

| | | |
|---|---|---|
| Formulated By: | Lawence Barry | 110923 |
| Reviewed By: | Pedro L. Rentas | 110923 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Lead(II) nitrate (Pb) | IN029 | PBD122016A1 | 10000 | 99.999 | 0.10 | 62.5 | 32.0006 | 32.0040 | **10001.1** | **20.0** | 10099-74-8 | 0.05 mg/m3 | intrvns-rat 93 mg/kg | 3128 |



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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | T | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T)= Target analyte

**Physical Characterization:**

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

M4960 R: 10/08/21 BH

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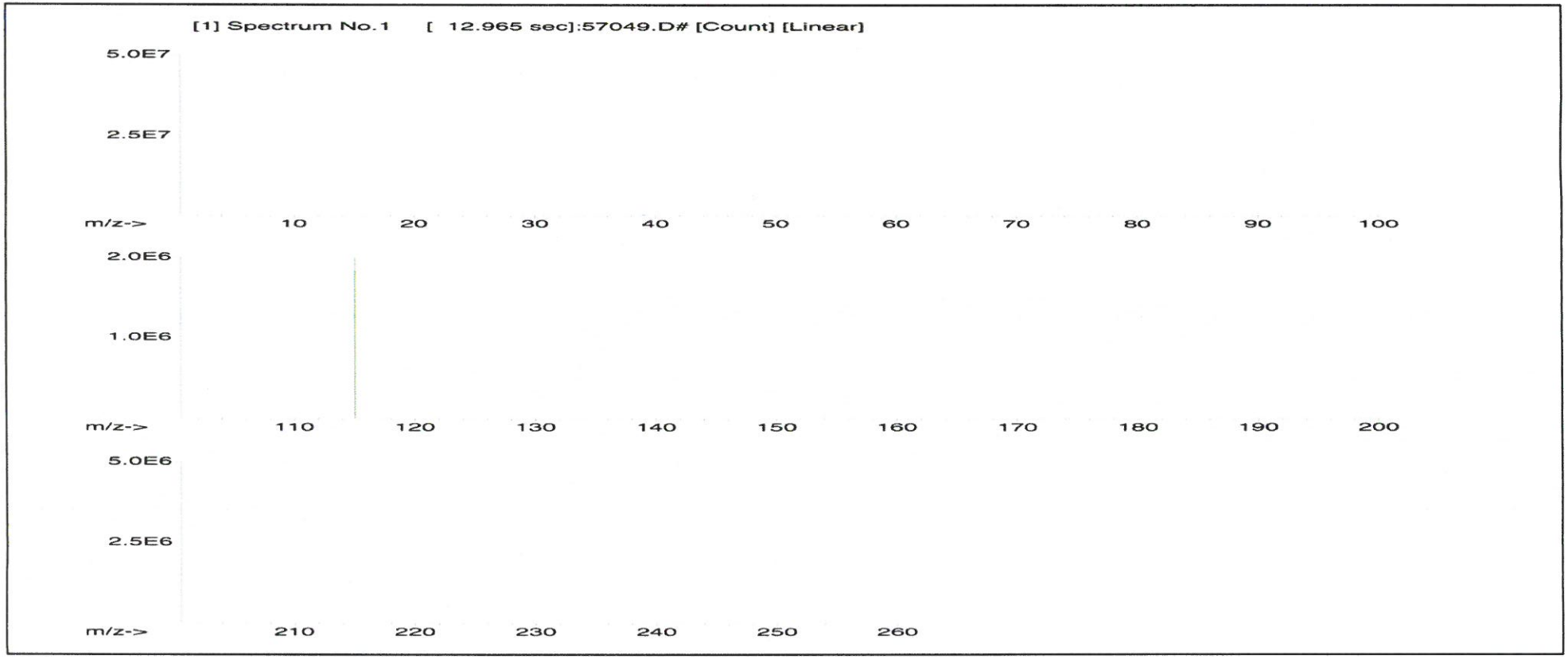
CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **58149** | | **Lot #** | | |
| **Lot Number:** | **100721** | **Solvent:** | 20370011 | Nitric Acid | |
| **Description:** | **Indium (In)** | 5% | 25.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 100724 | | | | |
| **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):** | 500.06 | 0.058 | Flask Uncertainty | | |

Giovanni Esposito

| | | |
|---|---|---|
| Formulated By: | Giovanni Esposito | 100721 |
| Reviewed By: | Pedro L. Rentas | 100721 |

| 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. Indium Oxide (In) | IN086 | W1096A | 10000 | 99.999 | 0.10 | 82.6 | 6.05408 | 6.05441 | **10000.6** | **20.1** | 1312-43-2 | NA | NA | 3124a |



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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 | T | 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).

## QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-AES (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 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-1211" and for the ICSAB mixture use "ICSA-1211+ICSB-0710".**

***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 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 interference check sample set is to be used to verify inter-element and background correction factors of inductively-coupled plasma (ICP) spectrometers. This reference material set consists of two (2) concentrated solutions. The ICSA solution contains the four (4) interferent elements: Al, Ca, Fe, and Mg. 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 ICP-AES Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

**ICSA-1211, Interferents:** Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 2% v/v $HNO_3$. Analyze this ICSA solution by ICP-AES.

**ICSB-0710, Analytes, mixed with ICSA-1211, 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 2% v/v $HNO_3$. Analyze this ICSAB solution by ICP-AES.

## (D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-AES 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-AES ICSA-1211, AND ICSA-1211 MIXED WITH ICSB-0710**

| Element | CRQL | Part A (µg/L) | Low Limit (µg/L) | High Limit (µg/L) | Part A +Part B (µg/L) | Low Limit (µg/L) | High Limit (µg/L) |
|---|---|---|---|---|---|---|---|
| Al | 200 | 255000 | 216000 | 294000 | 247000 | 209000 | 285000 |
| Sb | 60 | (0.0) | -60.0 | 60.0 | 618 | 525 | 711 |
| As | 10 | (0.0) | -10.0 | 10.0 | 104 | 88.4 | 120 |
| Ba | 200 | (6.0) | -194 | 206 | (537) | 337 | 737 |
| Be | 5.0 | (0.0) | -5.0 | 5.0 | 495 | 420 | 570 |
| Cd | 5.0 | (1.0) | -4.0 | 6.0 | 972 | 826 | 1120 |
| Ca | 5000 | 245000 | 208000 | 282000 | 235000 | 199000 | 271000 |
| Cr | 10 | (52.0) | 42.0 | 62.0 | 542 | 460 | 624 |
| Co | 50 | (0.0) | -50.0 | 50.0 | 476 | 404 | 548 |
| Cu | 25 | (2.0) | -23.0 | 27.0 | 511 | 434 | 588 |
| Fe | 100 | 101000 | 85600 | 116500 | 99300 | 84400 | 114500 |
| Pb | 10 | (0.0) | -10.0 | 10.0 | (49.0) | 39.0 | 59.0 |
| Mg | 5000 | 255000 | 216000 | 294000 | 248000 | 210000 | 286000 |
| Mn | 15 | (7.0) | -8.0 | 22.0 | 507 | 430 | 584 |
| Ni | 40 | (2.0) | -38.0 | 42.0 | 954 | 810 | 1100 |
| Se | 35 | (0.0) | -35.0 | 35.0 | (46.0) | 11.0 | 81.0 |
| Ag | 10 | (0.0) | -10.0 | 10.0 | 201 | 170 | 232 |
| Tl | 25 | (0.0) | -25.0 | 25.0 | (108) | 83.0 | 133 |
| V | 50 | (0.0) | -50.0 | 50.0 | 491 | 417 | 565 |
| Zn | 60 | (0.0) | -60.0 | 60.0 | 952 | 809 | 1095 |

ICSA M5126 M5127 M5128 M5129 M5130

ICSB M5219 M5220 M5221 M5222 M5223

The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 1 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

M5192 R: 06/17/22

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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CERTIFIED WEIGHT REPORT:

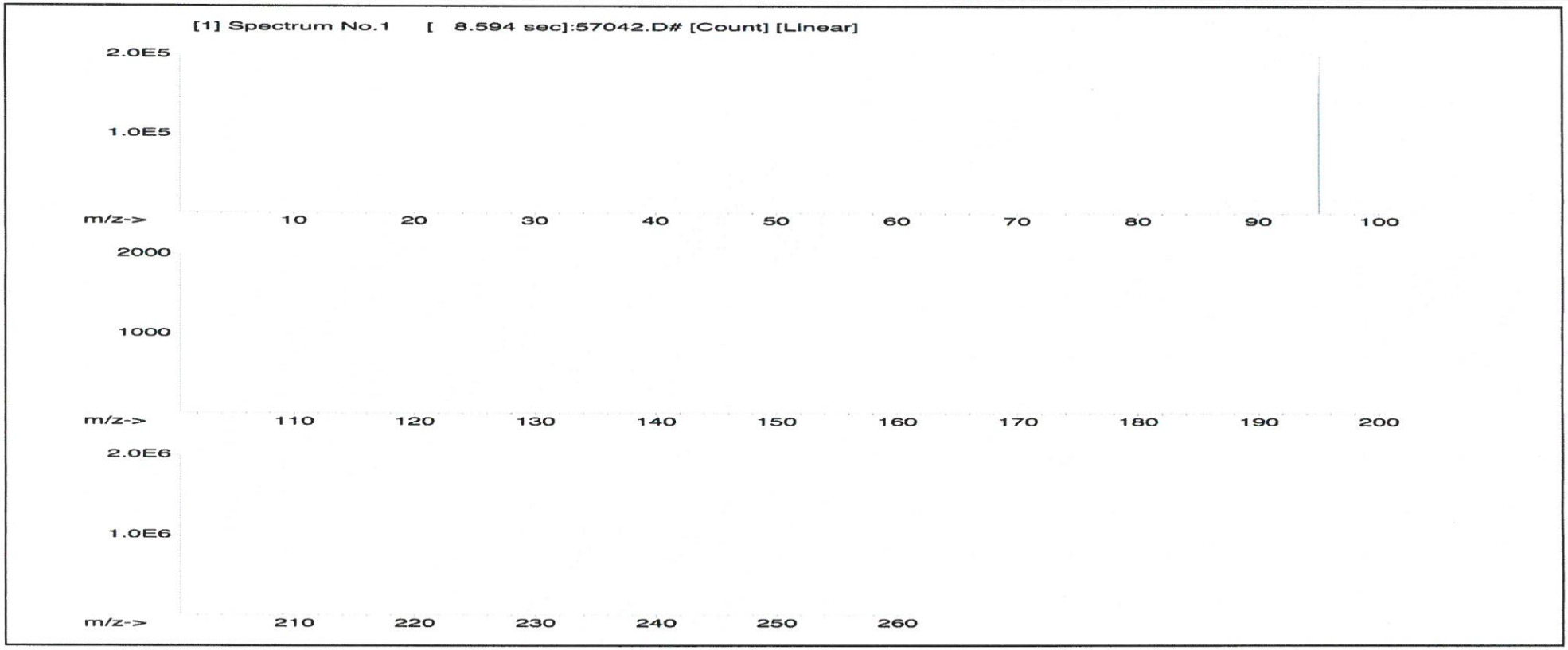
**Part Number:** 57042
**Lot Number:** 051722
**Description:** Molybdenum (Mo)
**Expiration Date:** 051725
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 1000
**NIST Test Number:** 6UTB
**Volume shown below was diluted to (mL):** 3000.41

| Lot # | Solvent: | | |
|---|---|---|---|
| MKBQ8597V | Ammonium hydroxide | | |
| 0.5% | 15.0 (mL) | Ammonium hydroxide | |

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

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



**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:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

**Certified by:**

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

INORGANIC VENTURES™
Refine your results. Redefine your industry.

# Certificate of Analysis

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: | CHEM-QC-4 |
| Lot Number: | S2-MEB711674 |
| Matrix: | 3% (v/v) HNO3<br>3% (v/v) HF |
| Value / Analyte(s): | 1 000 µg/mL ea:<br>Boron, Molybdenum,<br>Silicon, Tin,<br>Titanium |

**Second Source**: Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility.

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ANALYTE | CERTIFIED VALUE | ANALYTE | CERTIFIED VALUE |
|---|---|---|---|
| **Boron, B** | **1 000 ± 7 µg/mL** | **Molybdenum, Mo** | **1 000 ± 5 µg/mL** |
| **Silicon, Si** | **1 000 ± 7 µg/mL** | **Tin, Sn** | **1 000 ± 5 µg/mL** |
| **Titanium, Ti** | **1 001 ± 6 µg/mL** | | |

**Density:** 1.032 g/mL (measured at 20 ± 4 ºC)

### Assay Information:

| ANALYTE | METHOD | NIST SRM# | SRM LOT# |
|---|---|---|---|
| B | ICP Assay | 3107 | 110830 |
| Mo | ICP Assay | 3134 | 130418 |
| Si | ICP Assay | 3150 | 130912 |
| Sn | ICP Assay | 3161a | 140917 |
| Ti | ICP Assay | 3162a | 130925 |

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)

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.

## 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

November 02, 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

- **November 02, 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-AES (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 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-1211" and for the ICSAB mixture use "ICSA-1211+ICSB-0710".**

***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 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 interference check sample set is to be used to verify inter-element and background correction factors of inductively-coupled plasma (ICP) spectrometers. This reference material set consists of two (2) concentrated solutions. The ICSA solution contains the four (4) interferent elements: Al, Ca, Fe, and Mg. 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 ICP-AES Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

**ICSA-1211, Interferents:** Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 2% v/v $HNO_3$. Analyze this ICSA solution by ICP-AES.

**ICSB-0710, Analytes, mixed with ICSA-1211, 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 2% v/v $HNO_3$. Analyze this ICSAB solution by ICP-AES.

## (D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-AES 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-AES ICSA-1211, AND ICSA-1211 MIXED WITH ICSB-0710**

| Element | CRQL | Part A (µg/L) | Low Limit (µg/L) | High Limit (µg/L) | Part A +Part B (µg/L) | Low Limit (µg/L) | High Limit (µg/L) |
|---|---|---|---|---|---|---|---|
| Al | 200 | 255000 | 216000 | 294000 | 247000 | 209000 | 285000 |
| Sb | 60 | (0.0) | -60.0 | 60.0 | 618 | 525 | 711 |
| As | 10 | (0.0) | -10.0 | 10.0 | 104 | 88.4 | 120 |
| Ba | 200 | (6.0) | -194 | 206 | (537) | 337 | 737 |
| Be | 5.0 | (0.0) | -5.0 | 5.0 | 495 | 420 | 570 |
| Cd | 5.0 | (1.0) | -4.0 | 6.0 | 972 | 826 | 1120 |
| Ca | 5000 | 245000 | 208000 | 282000 | 235000 | 199000 | 271000 |
| Cr | 10 | (52.0) | 42.0 | 62.0 | 542 | 460 | 624 |
| Co | 50 | (0.0) | -50.0 | 50.0 | 476 | 404 | 548 |
| Cu | 25 | (2.0) | -23.0 | 27.0 | 511 | 434 | 588 |
| Fe | 100 | 101000 | 85600 | 116500 | 99300 | 84400 | 114500 |
| Pb | 10 | (0.0) | -10.0 | 10.0 | (49.0) | 39.0 | 59.0 |
| Mg | 5000 | 255000 | 216000 | 294000 | 248000 | 210000 | 286000 |
| Mn | 15 | (7.0) | -8.0 | 22.0 | 507 | 430 | 584 |
| Ni | 40 | (2.0) | -38.0 | 42.0 | 954 | 810 | 1100 |
| Se | 35 | (0.0) | -35.0 | 35.0 | (46.0) | 11.0 | 81.0 |
| Ag | 10 | (0.0) | -10.0 | 10.0 | 201 | 170 | 232 |
| Tl | 25 | (0.0) | -25.0 | 25.0 | (108) | 83.0 | 133 |
| V | 50 | (0.0) | -50.0 | 50.0 | 491 | 417 | 565 |
| Zn | 60 | (0.0) | -60.0 | 60.0 | 952 | 809 | 1095 |

ICSA M5126 M5127 M5128 M5129 M5130

ICSB M5219 M5220 M5221 M5222 M5223

The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 1 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.

V15200 R: 04/24/22 (BP)

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CERTIFIED WEIGHT REPORT:

**Part Number:** 58119
**Lot Number:** 071122
**Description:** Potassium (K)

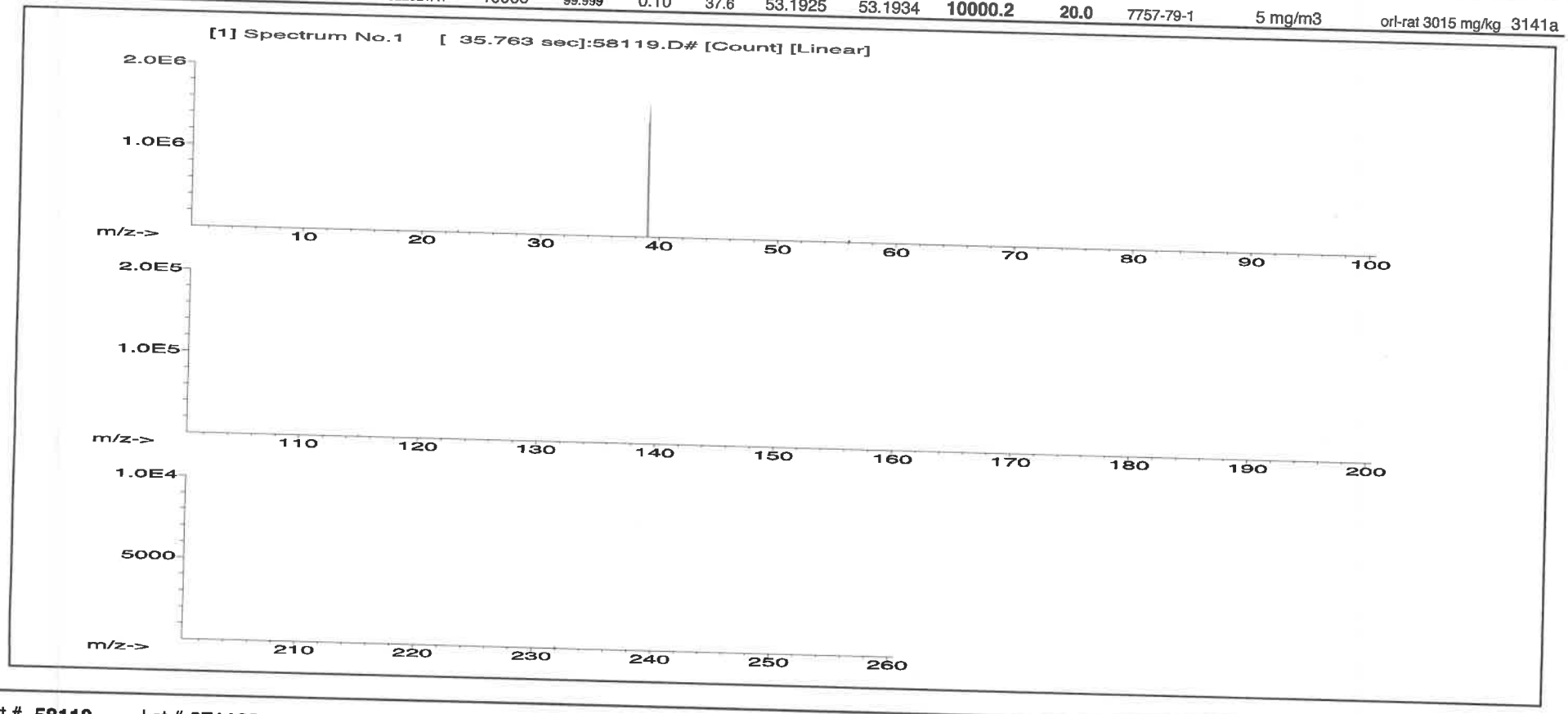
**Expiration Date:** 071125
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 2000.02

| | 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 |



**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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M5289 R: 07/12/22 BH

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CERTIFIED WEIGHT REPORT:

**Part Number:** 58113
**Lot Number:** 070622
**Description:** Aluminum (Al)

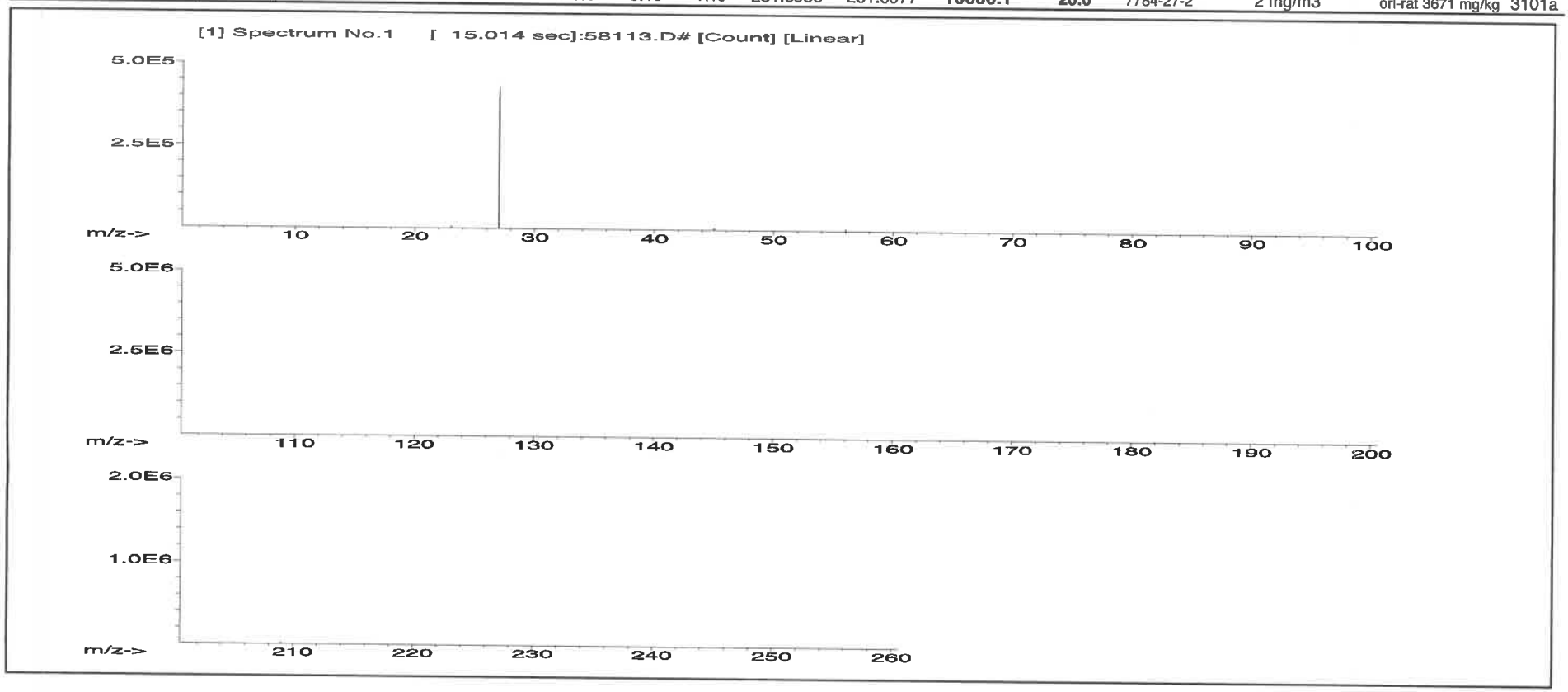
**Expiration Date:** 070625
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 2000.02

| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 20370011 | Nitric Acid | |
| 2% | 40.0 (mL) | Nitric Acid | |
| | 5E-05 | Balance Uncertainty | |
| | 0.058 | Flask Uncertainty | |

Formulated By: Lawrence Barry 070622

Reviewed By: Pedro L. Rentas 070622

| 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 | ALD012021A1 | 10000 | 99.999 | 0.10 | 7.10 | 281.6956 | 281.6977 | **10000.1** | **20.0** | 7784-27-2 | 2 mg/m3 | orl-rat 3671 mg/kg | 3101a |



**Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | T | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | 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).

## 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 |

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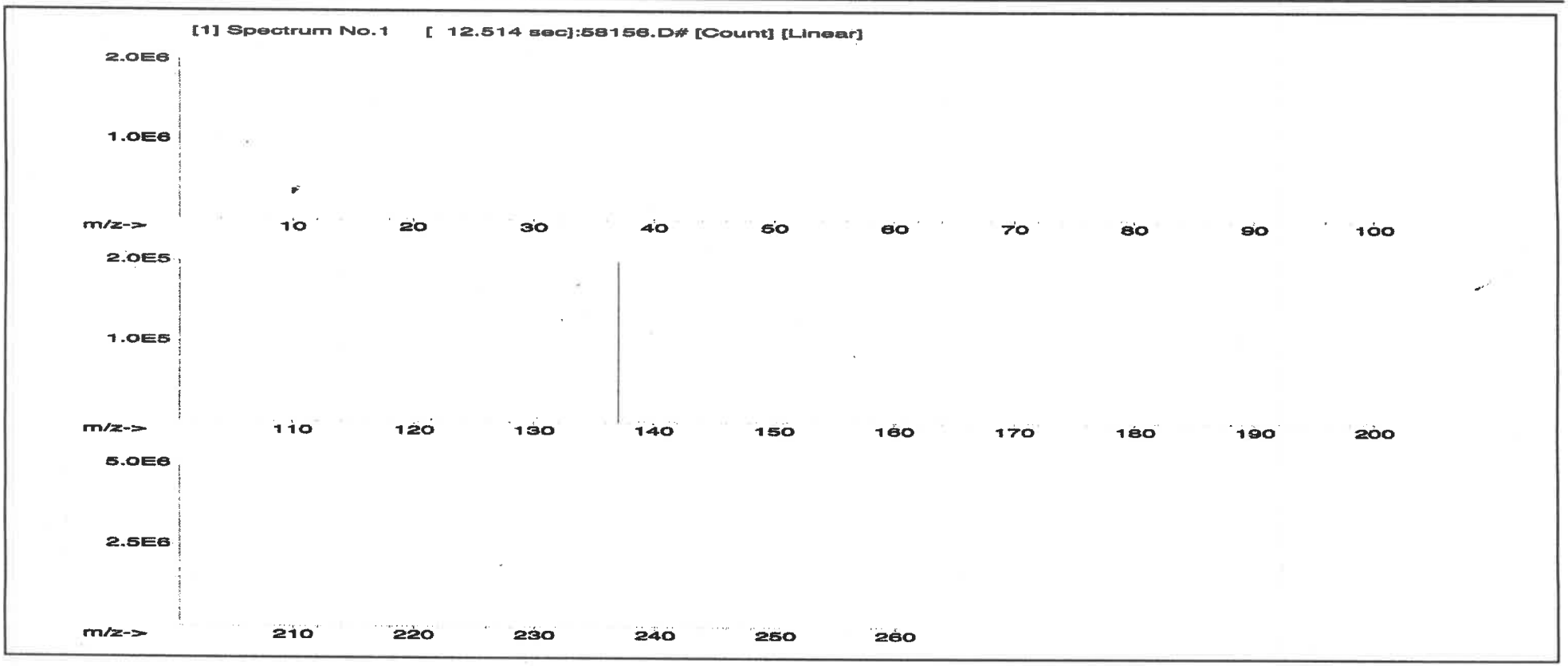
## CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **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 |



**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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CERTIFIED WEIGHT REPORT:

**Part Number:** 57103
**Lot Number:** 070622
**Description:** Lithium (Li)

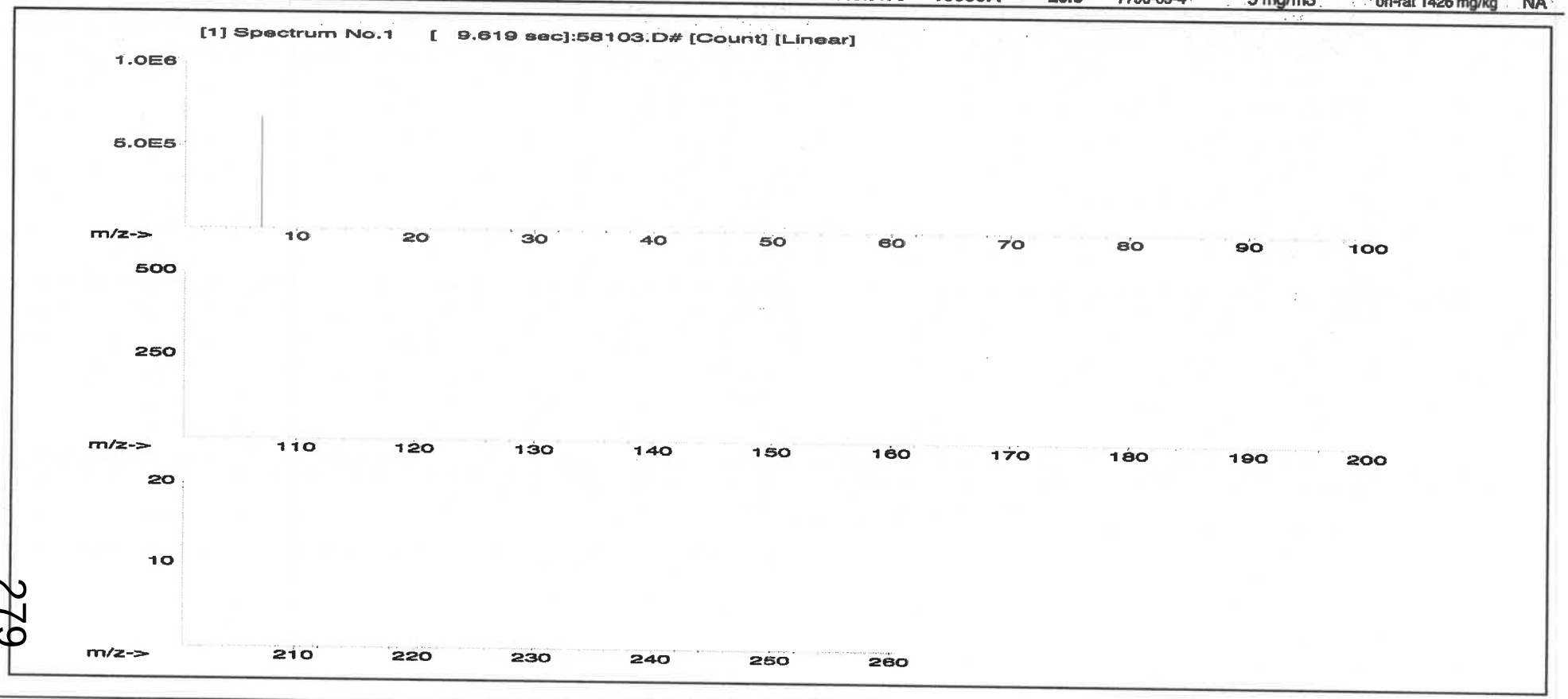
**Expiration Date:** 070625
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 1000.12

| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 20510011 | Nitric Acid | |
| 2% | 20.0 (mL) | Nitric Acid | |

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 070622 |
| Reviewed By: | Pedro L. Rentas | 070622 |

| 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. Lithium nitrate (Li) | IN019 | LIZ042018A1 | 10000 | 99.999 | 0.10 | 10.0 | 100.0134 | 100.0173 | **10000.4** | **20.0** | 7790-69-4 | 5 mg/m3 | orl-rat 1426 mg/kg | NA |

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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 | T | 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).

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M5467 R: 03/01/23 (LA)

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## CERTIFIED WEIGHT REPORT:

**Part Number:** 57058
**Lot Number:** 020623
**Description:** Cerium (Ce)

**Expiration Date:** 020626
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 1000
**NIST Test Number:** 6UTB

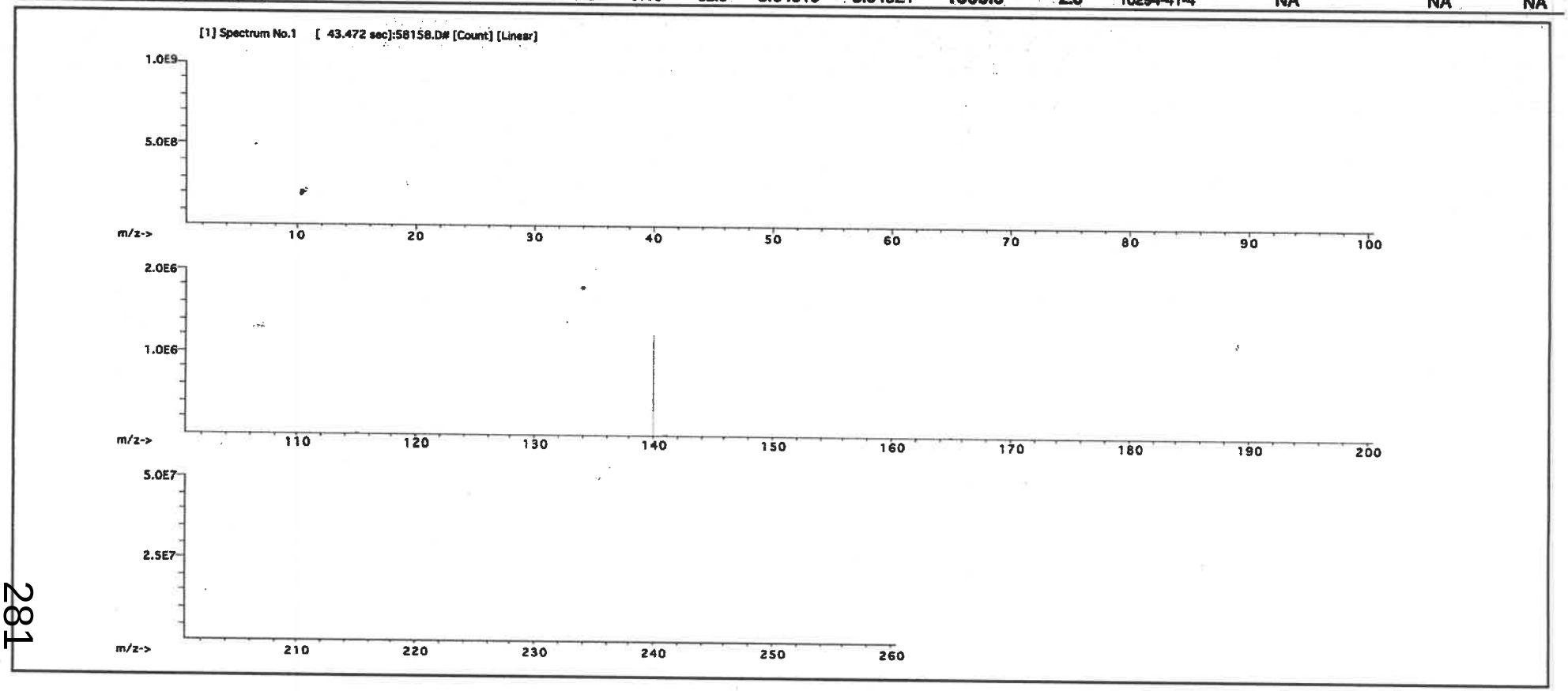
**Weight shown below was diluted to (mL):** 1000.12 0.058 Flask Uncertainty

| | | Lot # | |
|---|---|---|---|
| **Solvent:** | 21110221 | Nitric Acid | |
| 2% | 20.0 (mL) | Nitric Acid | |

5E-05 Balance Uncertainty

| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 020623 |
| Reviewed By: | Pedro L. Rentas | 020623 |

| 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. Cerium nitrate hexahydrate (Ce) | IN146 | Z512CEB1 | 1000 | 99.999 | 0.10 | 32.8 | 3.04919 | 3.04921 | 1000.0 | 2.0 | 10294-41-4 | NA | NA | NA |

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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 | T | 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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IN5497 - IN5498 R: 03/17/23 BH

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CERTIFIED WEIGHT REPORT:

**Part Number:** 58120
**Lot Number:** 031523
**Description:** Calcium (Ca)

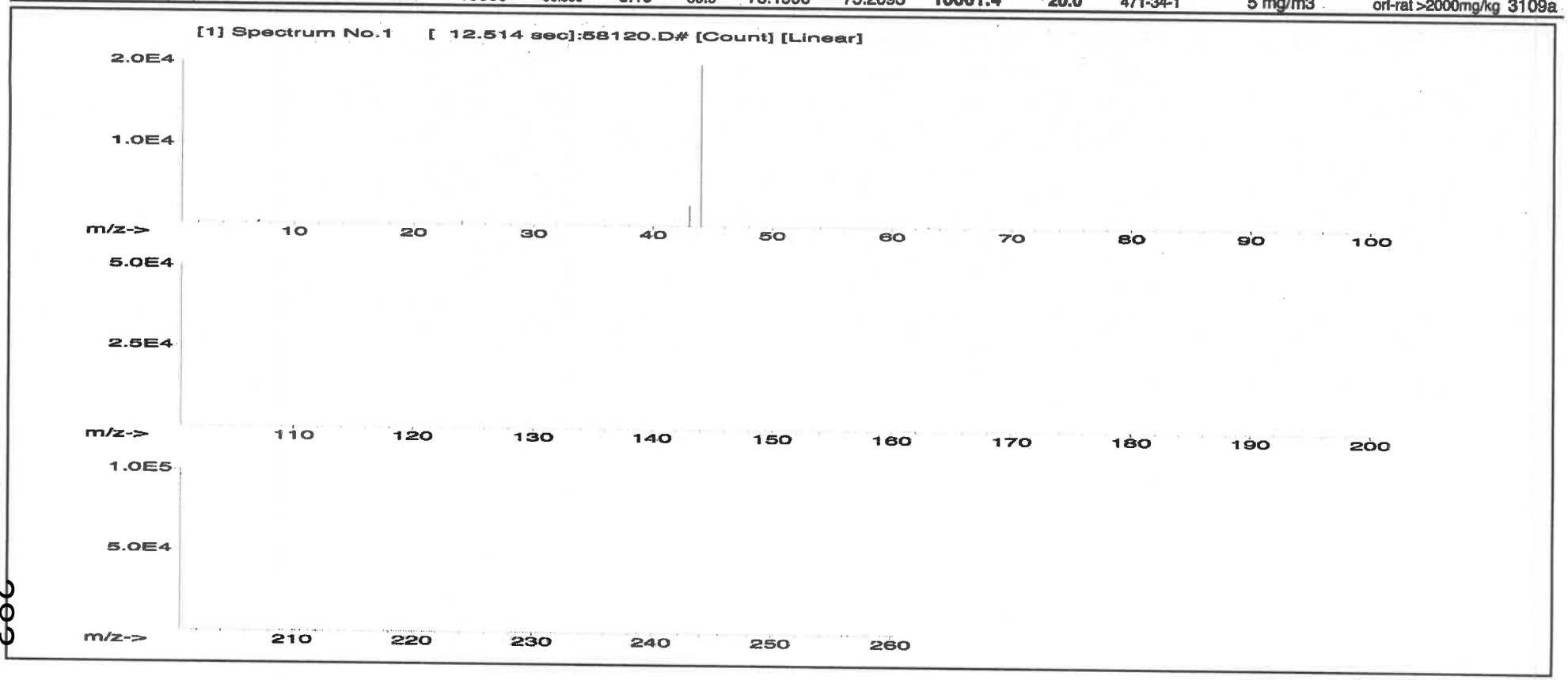
**Expiration Date:** 031526
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 3000.41 ± 0.058 Flask Uncertainty

| | | Lot # | |
|---|---|---|---|
| **Solvent:** | 21110221 | Nitric Acid | |
| 2% | 60.0 (mL) | Nitric Acid | |
| | 5E-05 | Balance Uncertainty | |

Giovanni Esposito
Formulated By: Giovanni Esposito 031523

Pedro Rentas
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 |

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**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | T | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <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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MS513 R:03/17/23

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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

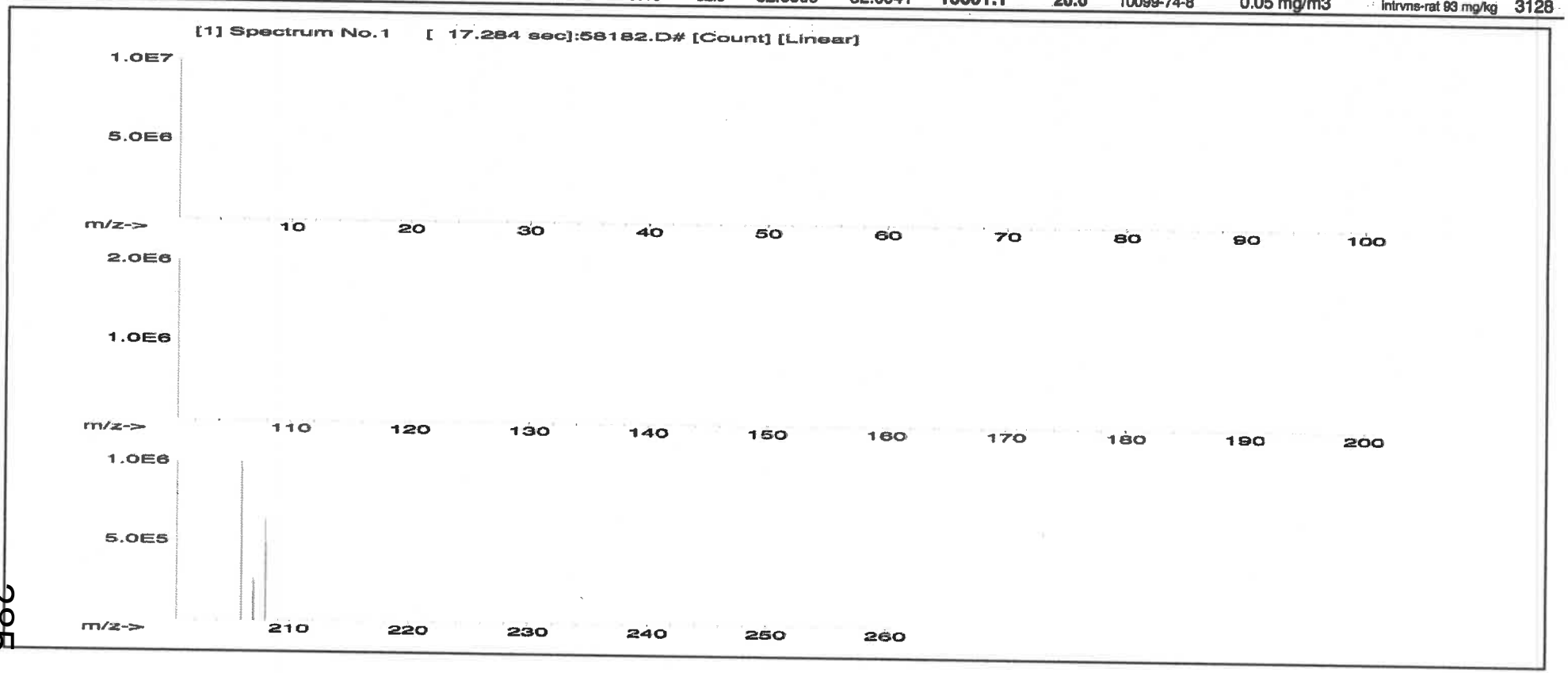
| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 20510011 | Nitric Acid | |
| 2% | 40.0 (mL) | Nitric Acid | |

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 |

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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).

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MS514 - MS515 R: 03/17/22

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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

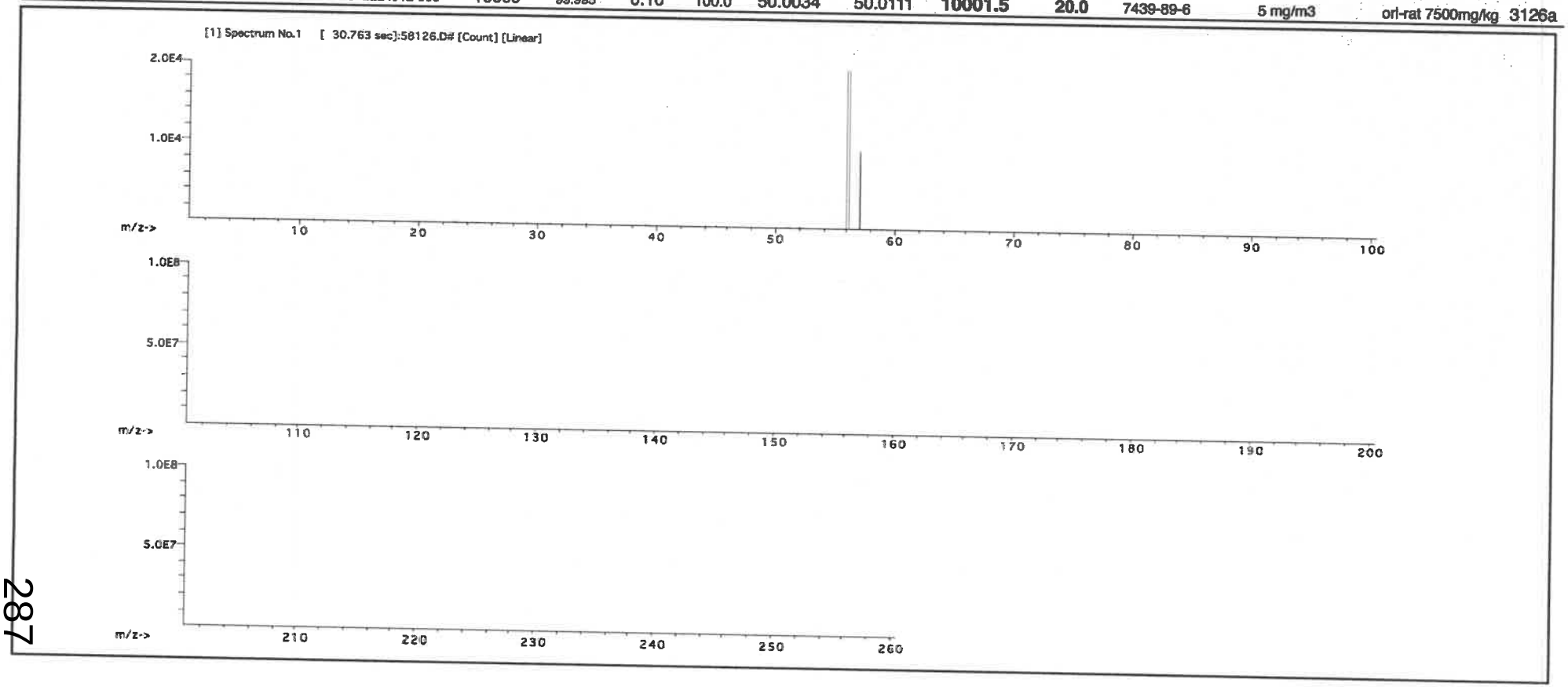
| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 20510011 | Nitric Acid | |
| 7.0% | 350.0 (mL) | Nitric Acid | |

Giovanni Esposito

| | | |
|---|---|---|
| Formulated By: | Giovanni Esposito | 092122 |
| Reviewed By: | Pedro L. Rentas | 092122 |

5E-05 Balance Uncertainty

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | 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:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
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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

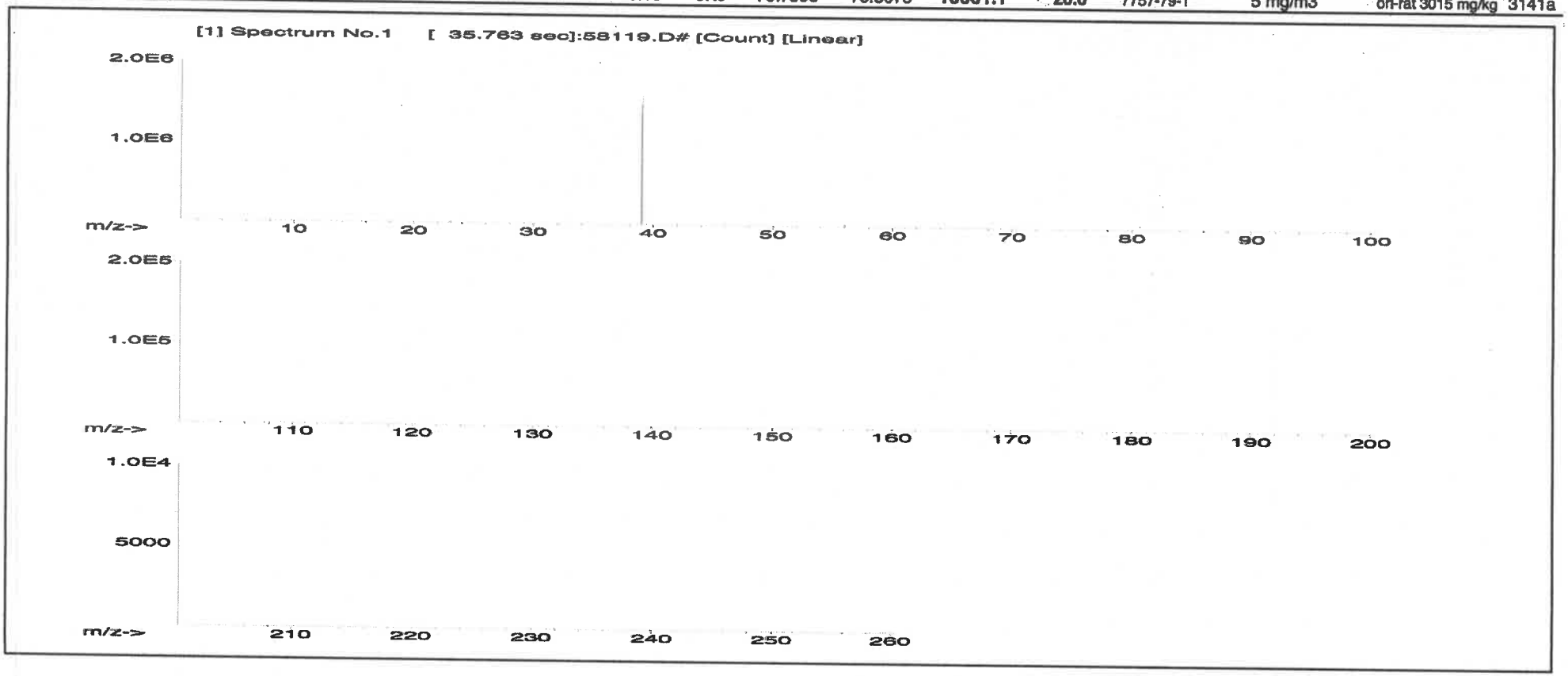
| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 20510011 | Nitric Acid | |
| 2% | 60.0 (mL) | Nitric Acid | |

5E-05 Balance Uncertainty
0.06 Flask Uncertainty

Giovanni Esposito

| | | |
|---|---|---|
| Formulated By: | Giovanni Esposito | 120822 |
| Reviewed By: | Pedro L. Rentas | 120822 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Potassium nitrate (K) | IN034 | KD022021A1 | 10000 | 99.999 | 0.10 | 37.6 | 79.7990 | 79.8075 | **10001.1** | **20.0** | 7757-79-1 | 5 mg/m3 | orl-rat 3015 mg/kg | 3141a |



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**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.
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# CORCO CHEMICAL CORPORATION

Manufacturers of ACS Reagents and Semiconductor Grade Chemicals

## CERTIFICATE OF ANALYSIS

**Date: 8/3/2022** MS631 MS632 MS633 MS634 **Lot No 820803**

**Hydrogen Peroxide, ACS**
Reagent Grade

| TEST | MAXIMUM LIMITS | RESULT |
|---|---|---|
| Appearance | Colorless and free from suspended matter or sediment | Pass |
| Assay | 29-32% | 31.4% |
| Color (APHA) | 10 | 5 |
| Residue after Evaporation | 0.002% | .0001% |
| Titratable Acid | 0.0006 meq/g | < .0006 meq/g |
| Chloride (Cl) | 2 ppm | < 1 ppm |
| Nitrate ($NO_3$) | 2 ppm | < 1 ppm |
| Phosphate | 2 ppm | < 1 ppm |
| Sulfate ($SO_4$) | 5 ppm | < .5 ppm |
| Ammonium ($NH_4$) | 5 ppm | < 1 ppm |
| Heavy Metals (as Pb) | 1 ppm | < .1 ppm |
| Iron (Fe) | 0.5 ppm | < .1 ppm |
| Sodium Stannate | 200 – 300 ppb | Pass |

***Our Hydrogen Peroxide is considered un-stabilized because it is very slightly stabilized with Sodium Stannate, 500 ppb maximum, just for safety purposes.

**Date of MFG: 8/2022**
**Retest date: 8/2024**

Gina M. Rambo
**Office Manager**

CORCO CHEMICAL CORPORATION. 299 CEDAR LANE. FAIRLESS HILLS, PA 19030. 215-295-5006. FAX 215-295-0781

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M5658 R! 8/25/23

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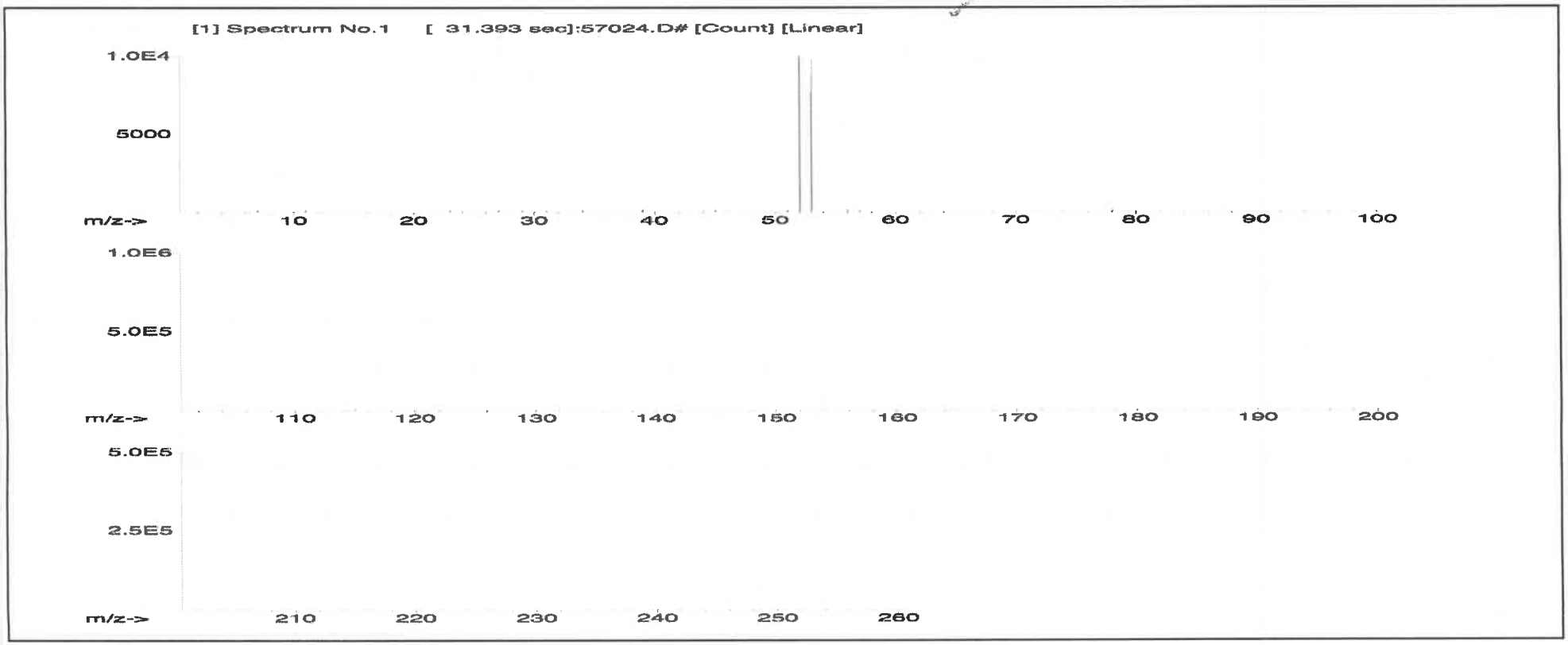
CERTIFIED WEIGHT REPORT:

| | | 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 |



**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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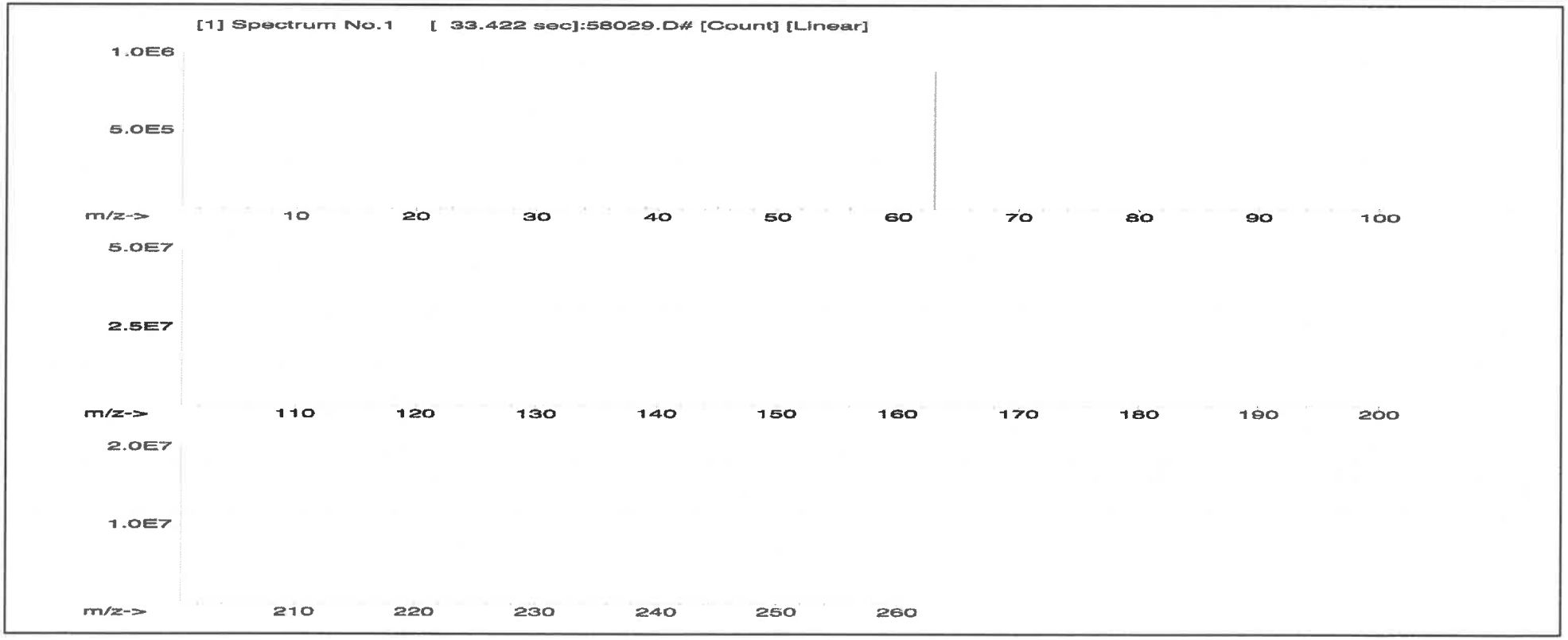
CERTIFIED WEIGHT REPORT:

| | | 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 |



295

**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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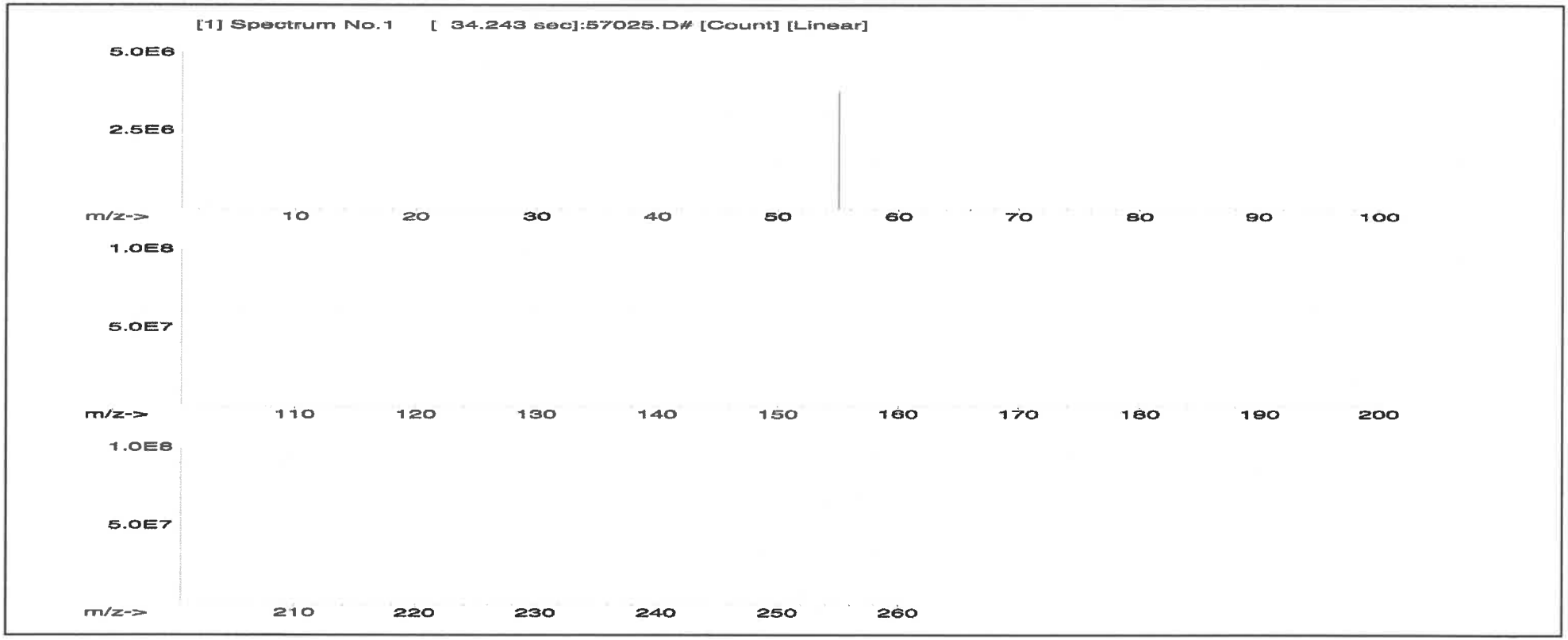
CERTIFIED WEIGHT REPORT:

| | | 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 |



297

**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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CERTIFIED WEIGHT REPORT:

**Part Number:** 57082
**Lot Number:** 100923
**Description:** Lead (Pb)

**Expiration Date:** 100926
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 1000
**NIST Test Number:** 6UTB

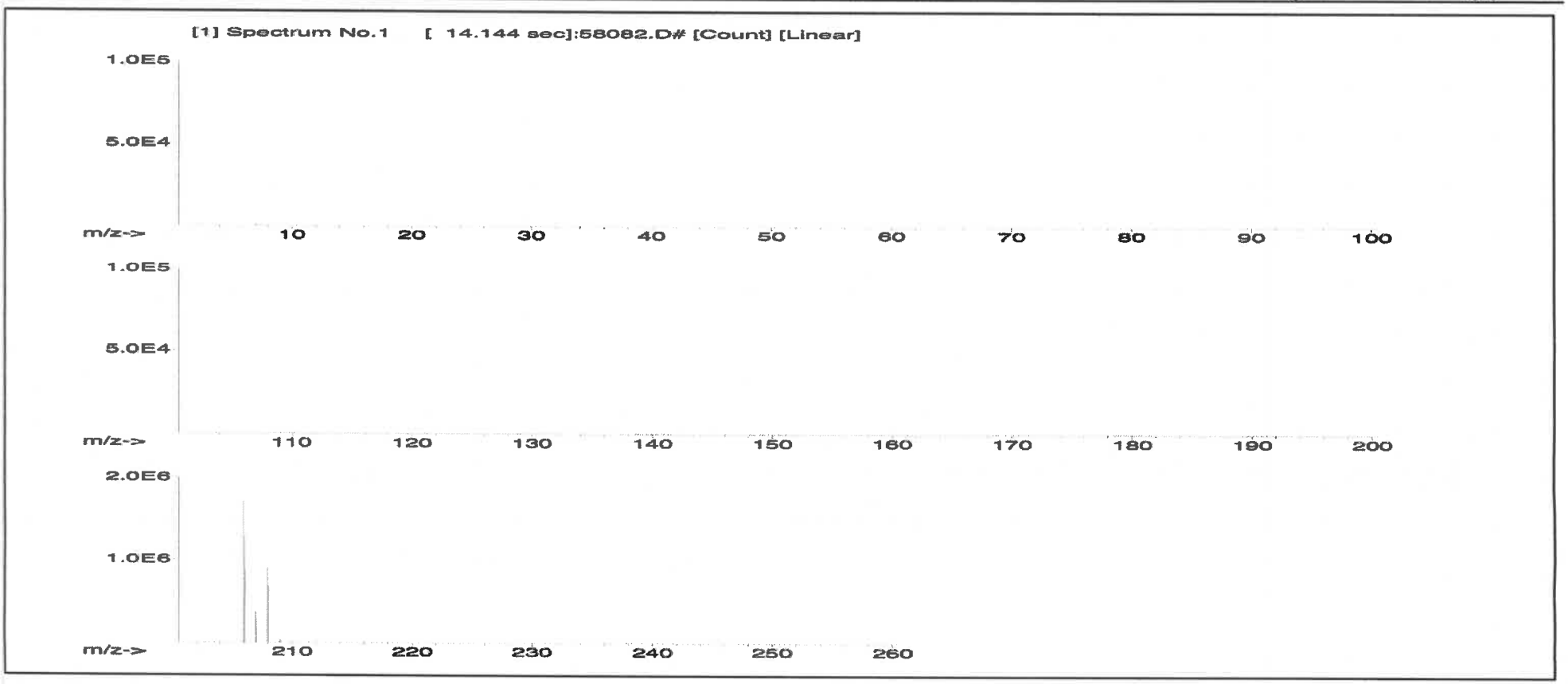
**Weight shown below was diluted to (mL):** 3000.41 0.06 Flask Uncertainty

| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 24002546 | Nitric Acid | |
| 2% | 60.0 (mL) | Nitric Acid | |

5E-05 Balance Uncertainty

| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 100923 |
| Reviewed By: | Pedro L. Rentas | 100923 |

| 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 | 1000 | 99.999 | 0.10 | 62.5 | 4.80071 | 4.80077 | **1000.0** | **2.0** | 10099-74-8 | 0.05 mg/m3 | intrvns-rat 93 mg/kg | 3128 |



**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.
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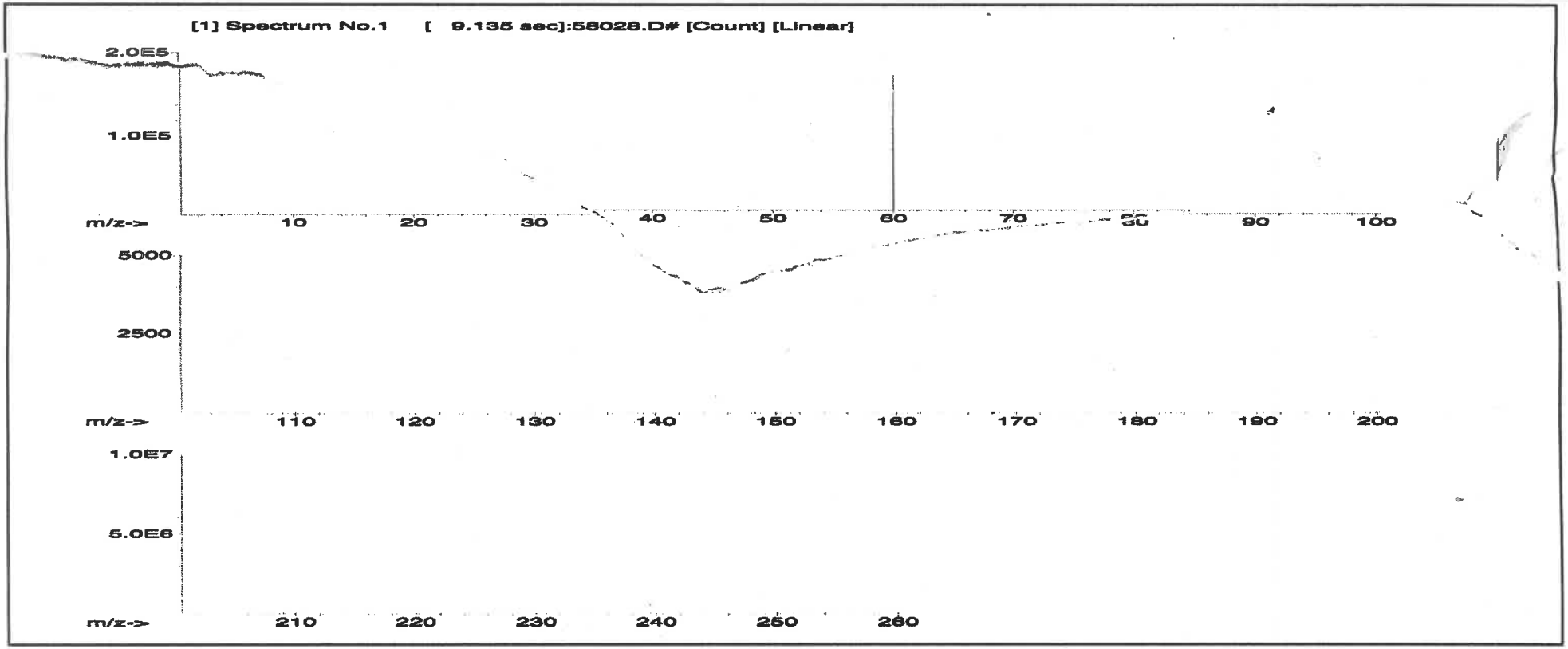
300

**CERTIFIED WEIGHT REPORT:**

| | | Lot # | Solvent: | |
|---|---|---|---|---|
| **Part Number:** | **57028** | 24002546 | Nitric Acid | |
| **Lot Number:** | **091223** | | | |
| **Description:** | **Nickel (Ni)** | | | |
| | | 2.0% | 40.0 (mL) | Nitric Acid |
| **Expiration Date:** | 091226 | | | |
| **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 | 091223 |
| Reviewed By: | Pedro L. Rentas | 091223 |

| 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. Nickel(II) nitrate hexahydrate (Ni) | 58128 | 062023 | 0.1000 | 200.0 | 0.084 | 1000 | 10000.4 | **1000.0** | 2.2 | 13478-00-7 | 1 mg/m3 | orl-rat 1620 mg/kg | 3136 |



301

**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 | 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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* 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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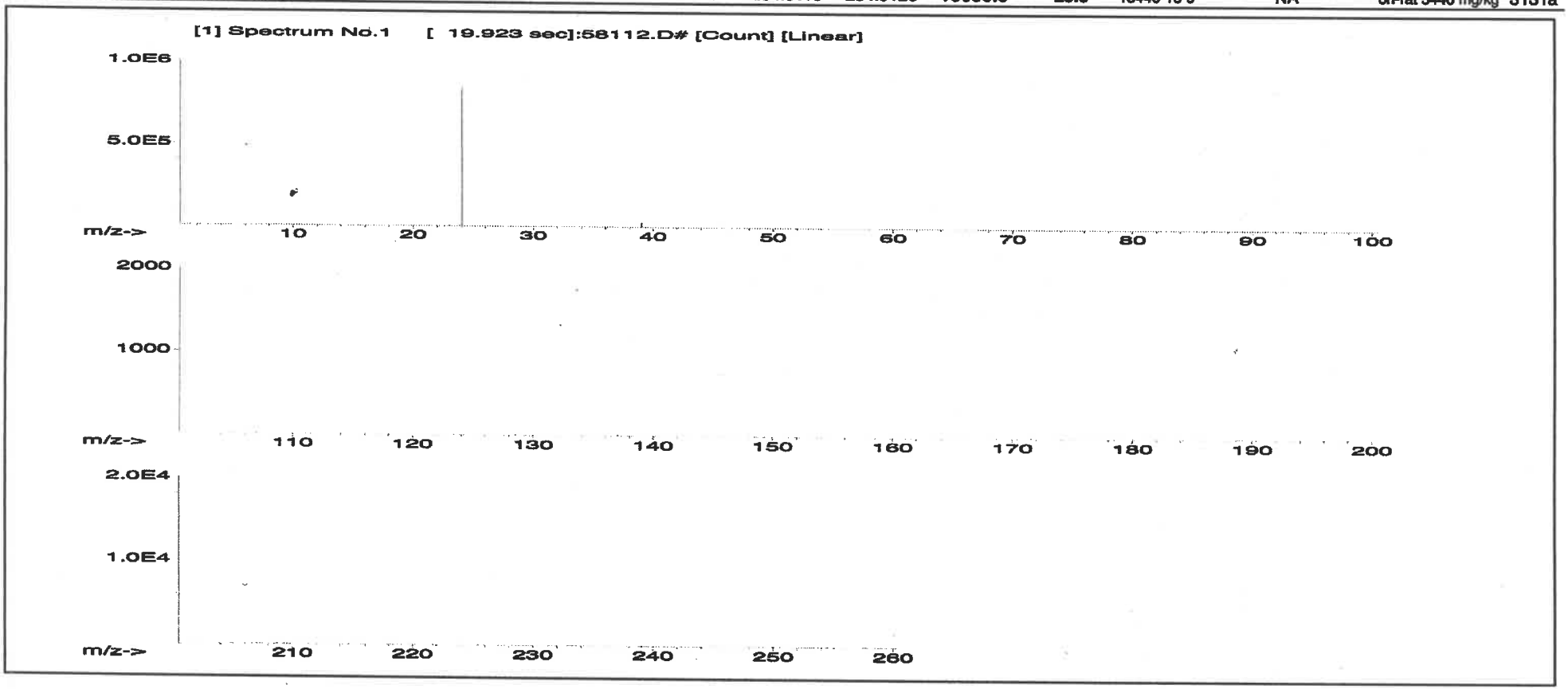
302

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 |



303

**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | T | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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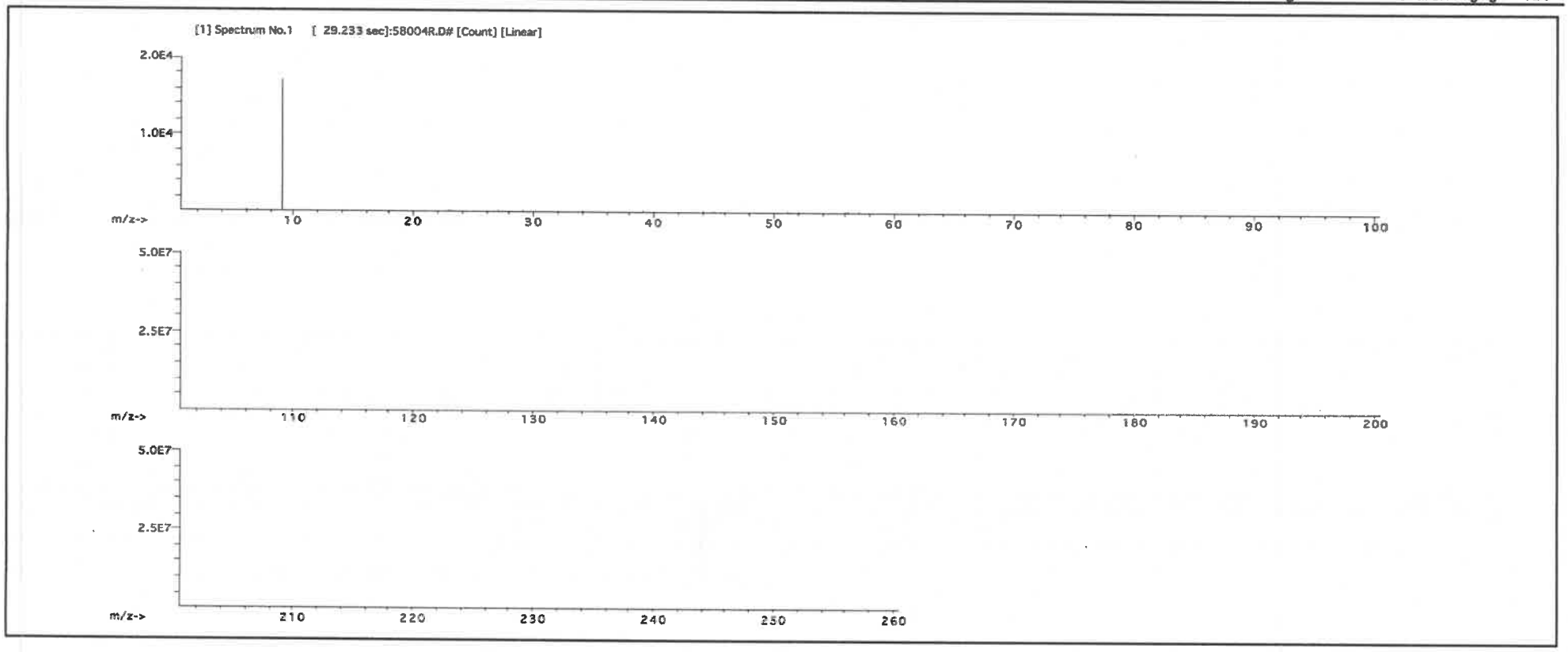
CERTIFIED WEIGHT REPORT:

| | | 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 |



**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.
* 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.
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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 WEIGHT REPORT:**

**Part Number:** 57050
**Lot Number:** 071123
**Description:** Tin (Sn)

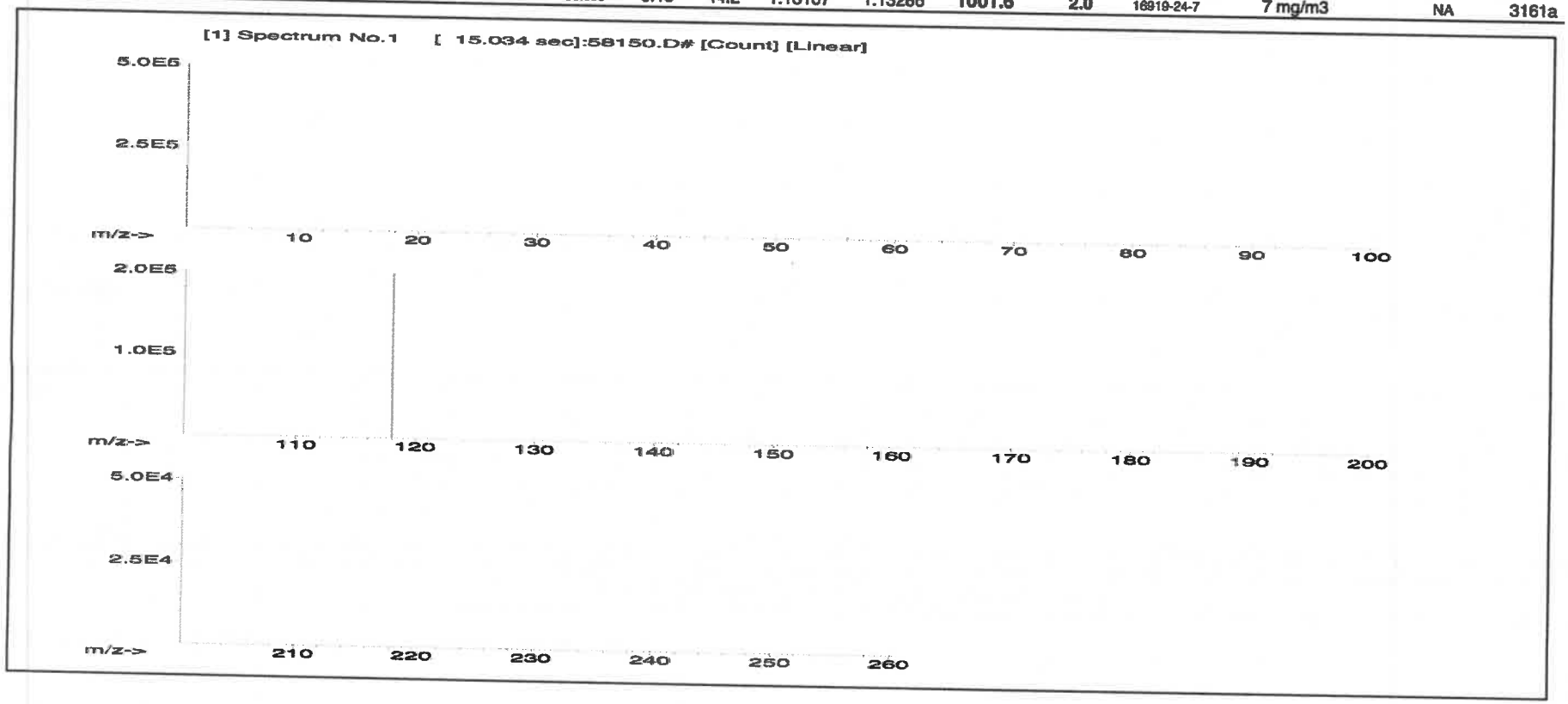
**Expiration Date:** 071126
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 1000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 499.93

| | Lot # | |
|---|---|---|
| **Solvents:** | 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.
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* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
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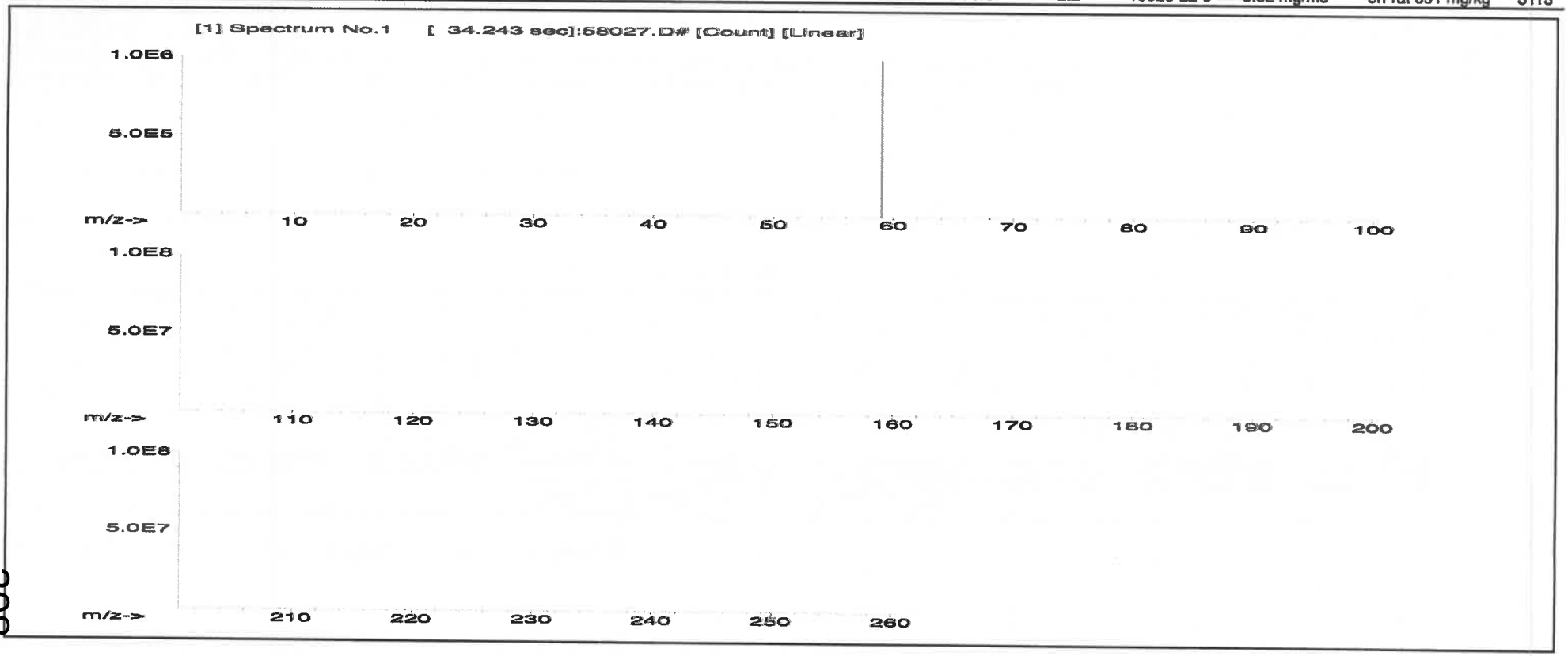
CERTIFIED WEIGHT REPORT:

| | | 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.
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* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
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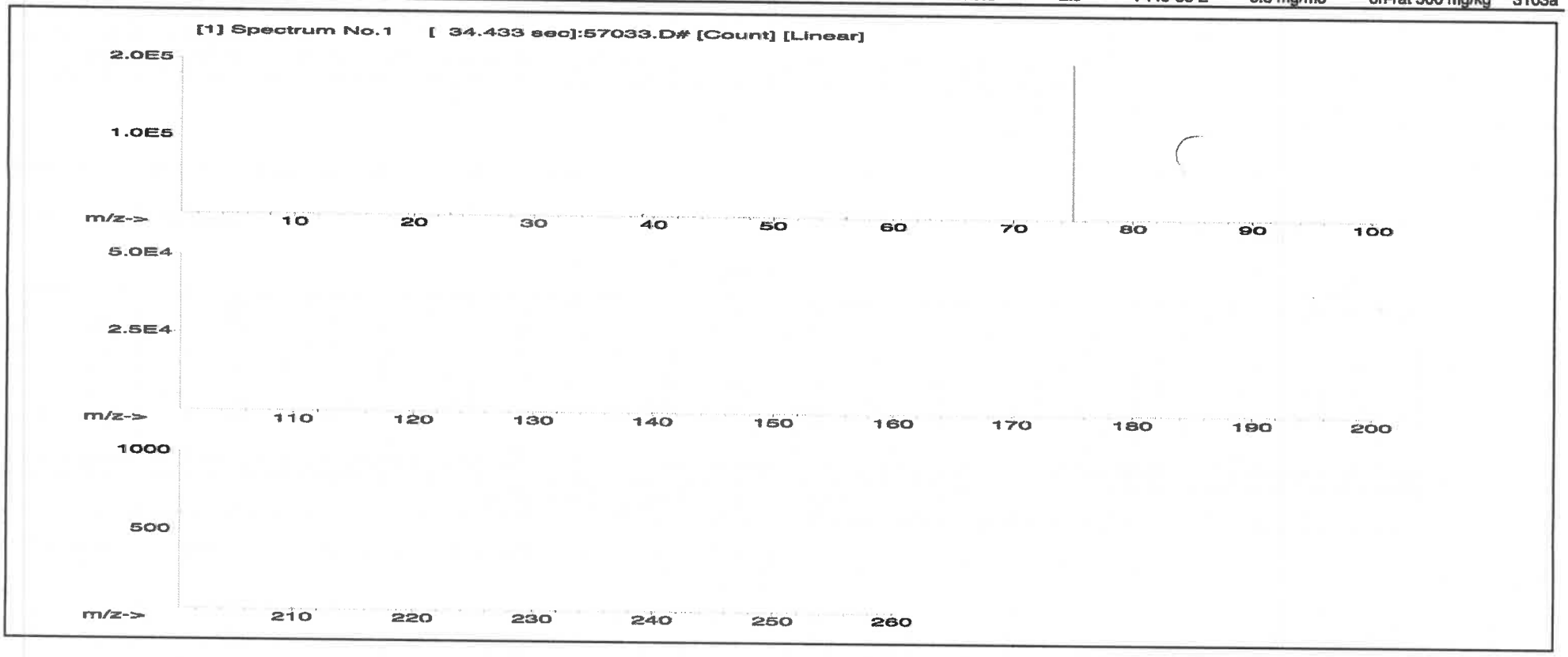
CERTIFIED **WEIGHT** REPORT:

| | | 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 |



311

**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:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

**Certified by:**

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
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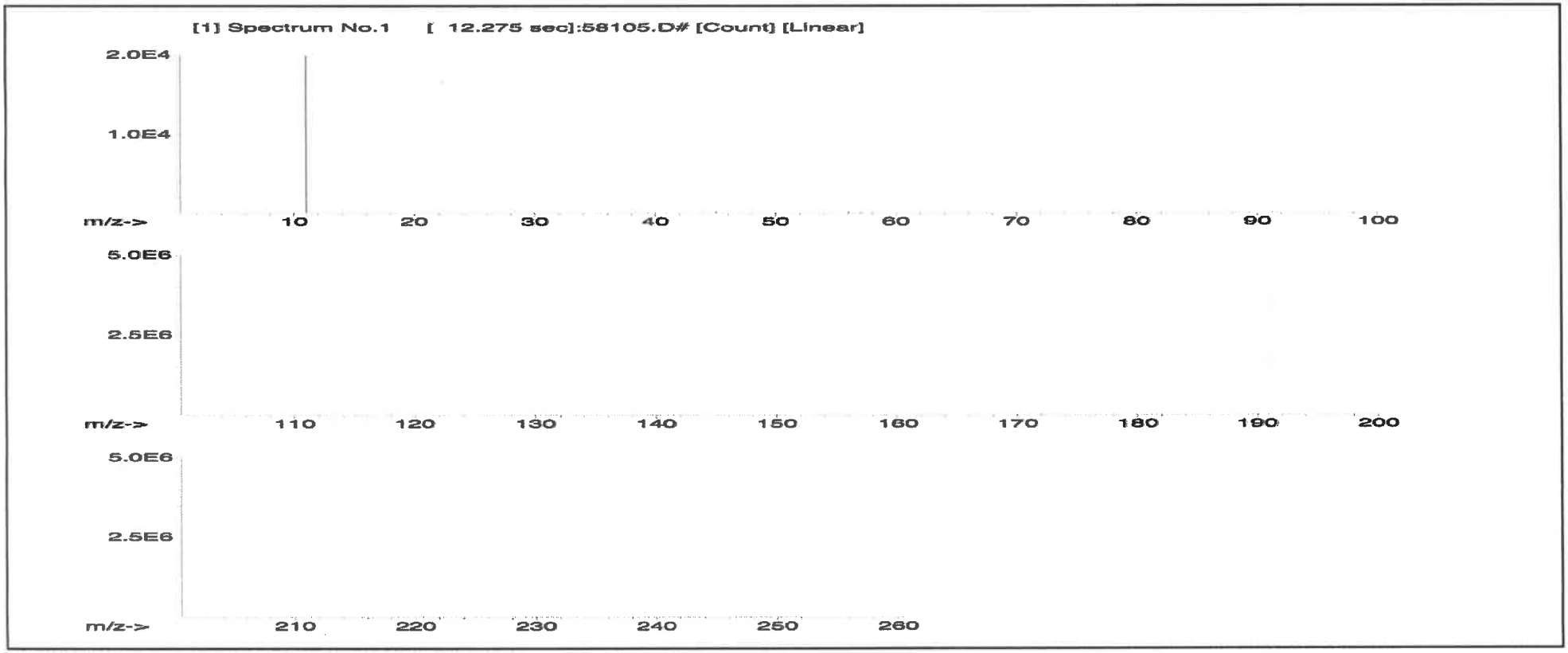
**CERTIFIED WEIGHT REPORT:**

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **57005** | | **Solvent:** | **Lot #** | |
| **Lot Number:** | **071123** | | MKBQ8597V | Ammonium hydroxide | |
| **Description:** | **Boron (B)** | | 2.0% | 40.0 (mL) | Ammonium hydroxide |
| **Expiration Date:** | 071126 | | | | |
| **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):** | 1999.48 | 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. Boric acid (B) | IN018 | BV092016A1 | 1000 | 99.9999 | 0.10 | 17.3 | 11.55772 | 11.56201 | **1000.4** | **2.0** | 10043-35-3 | 2 mg/m3 | orl-rat 2660 mg/kg | 3107 |



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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 | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | T | 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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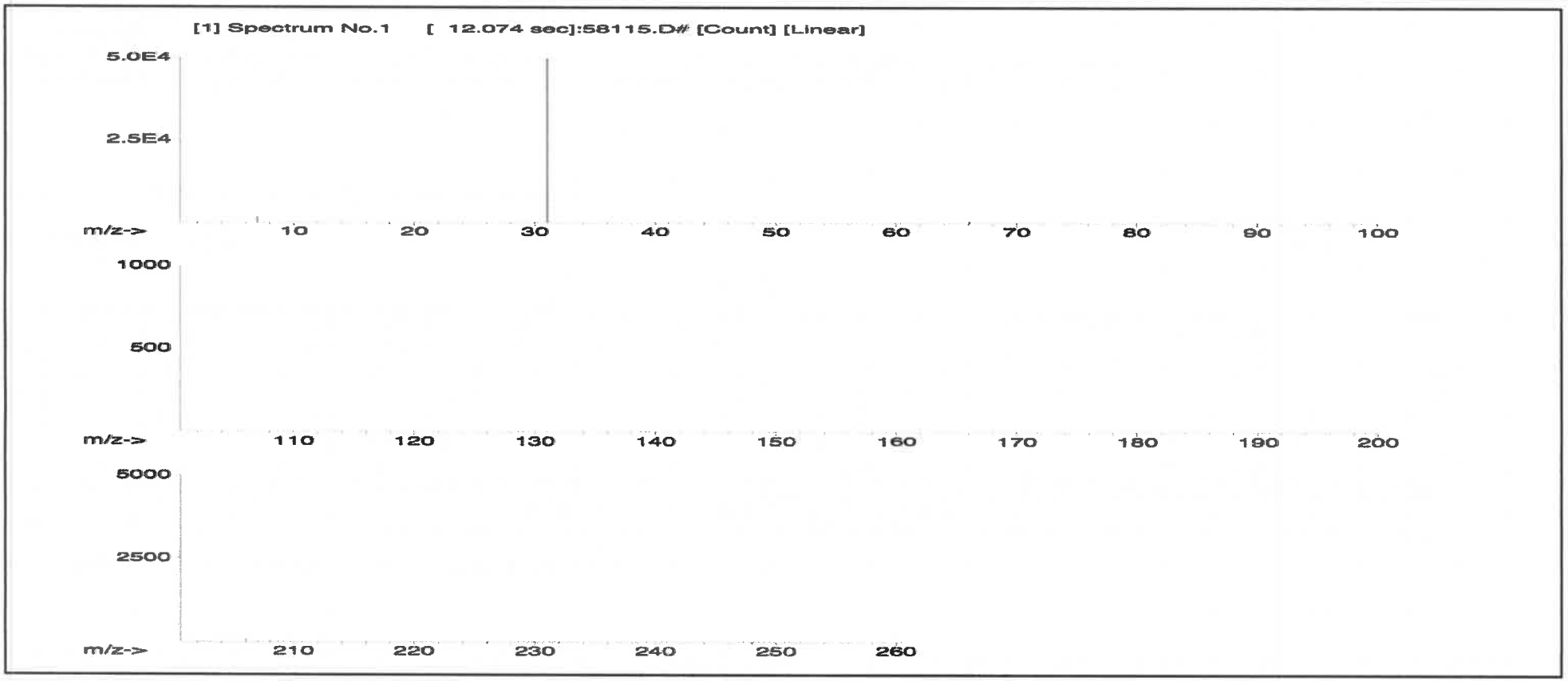
CERTIFIED WEIGHT REPORT:

| | | | Lot # | |
|---|---|---|---|---|
| **Part Number:** | **57115** | **Solvent:** | 21110221 | Nitric Acid |
| **Lot Number:** | **041723** | | | |
| **Description:** | **Phosphorous (P)** | 2% | 40.0 (mL) | Nitric Acid |
| **Expiration Date:** | 041726 | | | |
| **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 | |

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



315

**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.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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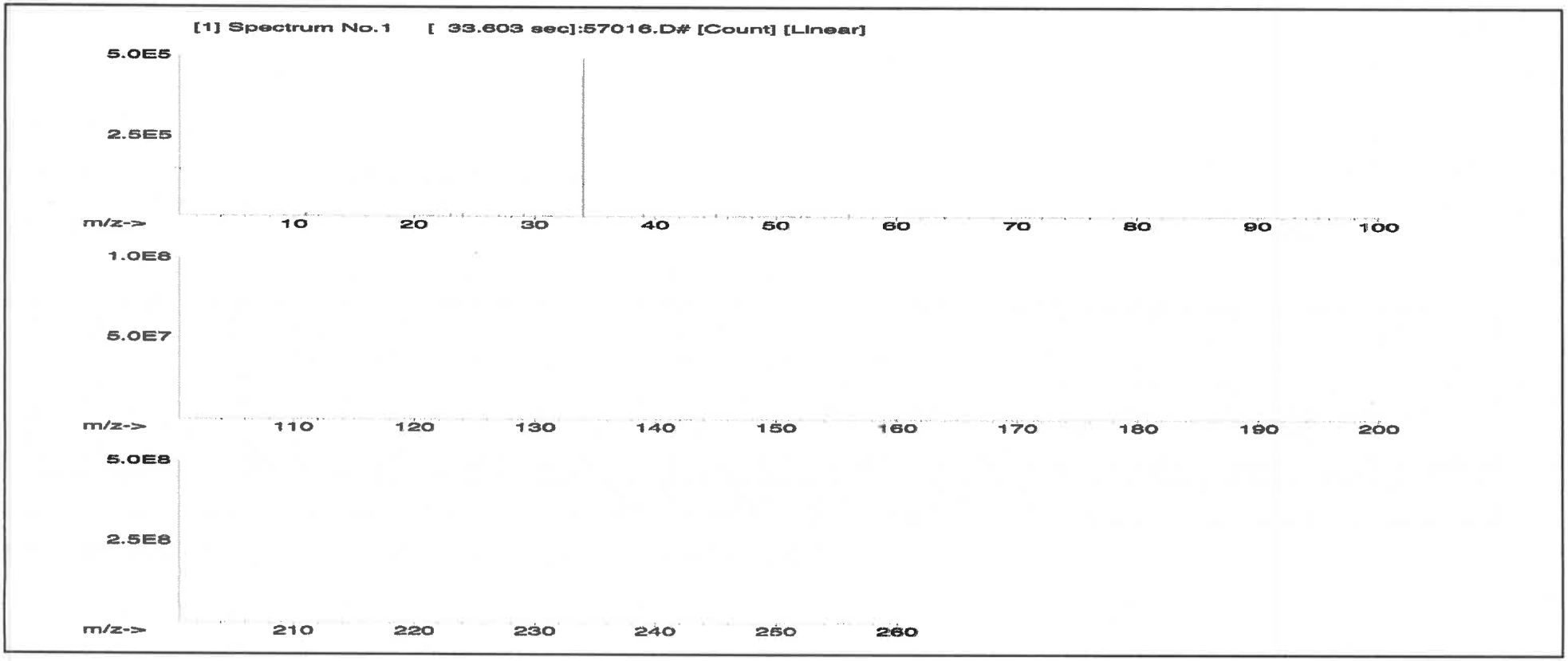
CERTIFIED WEIGHT REPORT:

| | | | | |
|---|---|---|---|---|
| **Part Number:** | **57016** | **Solvent:** | **Lot #** 122923 | ASTM Type 1 Water |
| **Lot Number:** | **122923** | | | |
| **Description:** | **Sulfur (S)** | | | |
| **Expiration Date:** | 122926 | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | |
| **Weight shown below was diluted to (mL):** | 4000.0 | 0.06 | Flask Uncertainty | |

| | | |
|---|---|---|
| Formulated By: | Benson Chan | 122923 |
| Reviewed By: | Pedro L. Rentas | 122923 |

| 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 | 1000 | 99.9 | 0.10 | 24.3 | 16.4979 | 16.4980 | **1000.0** | **2.0** | 7783-20-2 | NA | orl-rat 4250mg/kg | 3181 |



317

**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.
* 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.
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CERTIFIED WEIGHT REPORT:

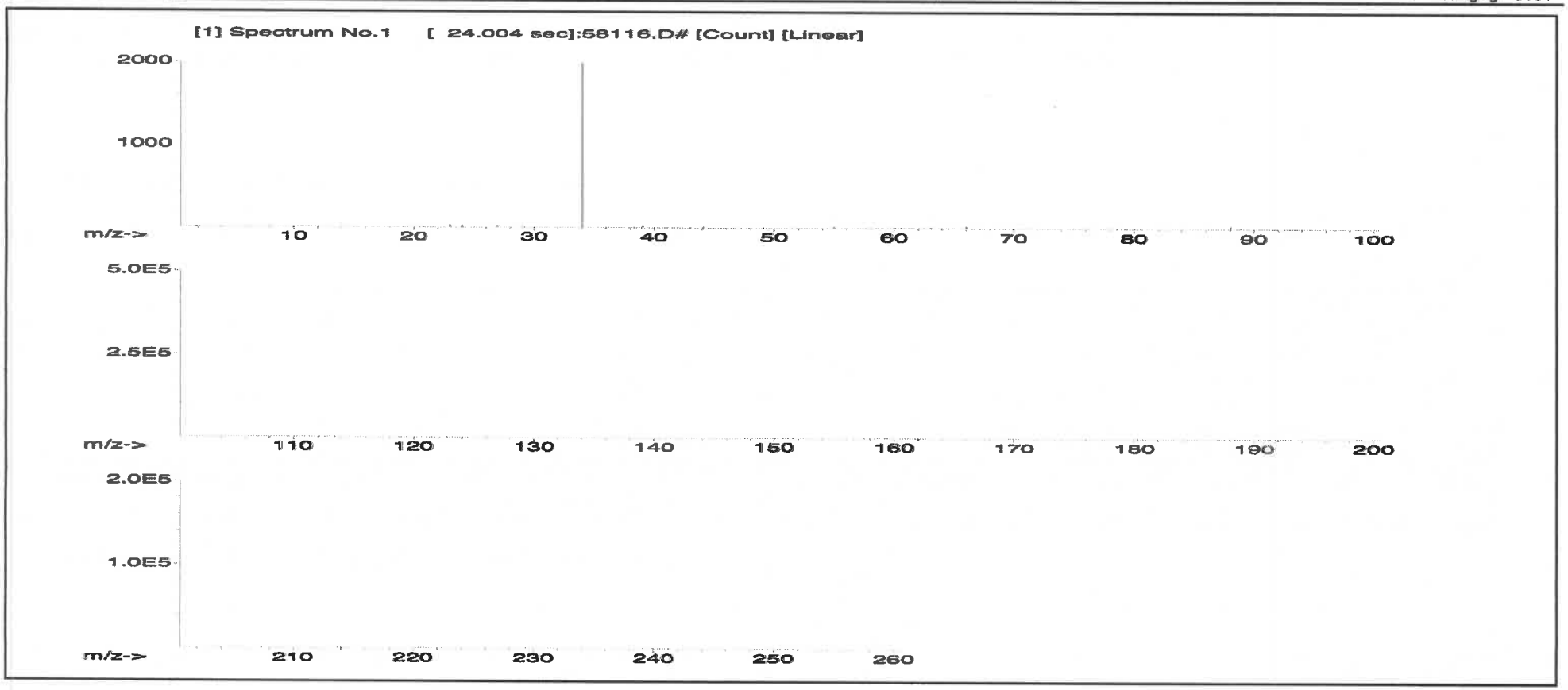
**Part Number:** 57116
**Lot Number:** 071123
**Description:** Sulfur (S)

**Lot #**
**Solvent:** 071123 ASTM Type 1 Water

**Expiration Date:** 071126
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB 5E-05 Balance Uncertainty
**Weight shown below was diluted to (mL):** 1999.48 0.058 Flask Uncertainty

| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 071123 |
| Reviewed By: | Pedro L. Rentas | 071123 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Ammonium sulfate (S) | IN117 | SLBR7225V | 10000 | 99.9 | 0.10 | 24.3 | 82.4675 | 82.4682 | **10000.1** | **20.0** | 7783-20-2 | NA | orl-rat 4250mg/kg | 3181 |



319

**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.
* 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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320

## 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

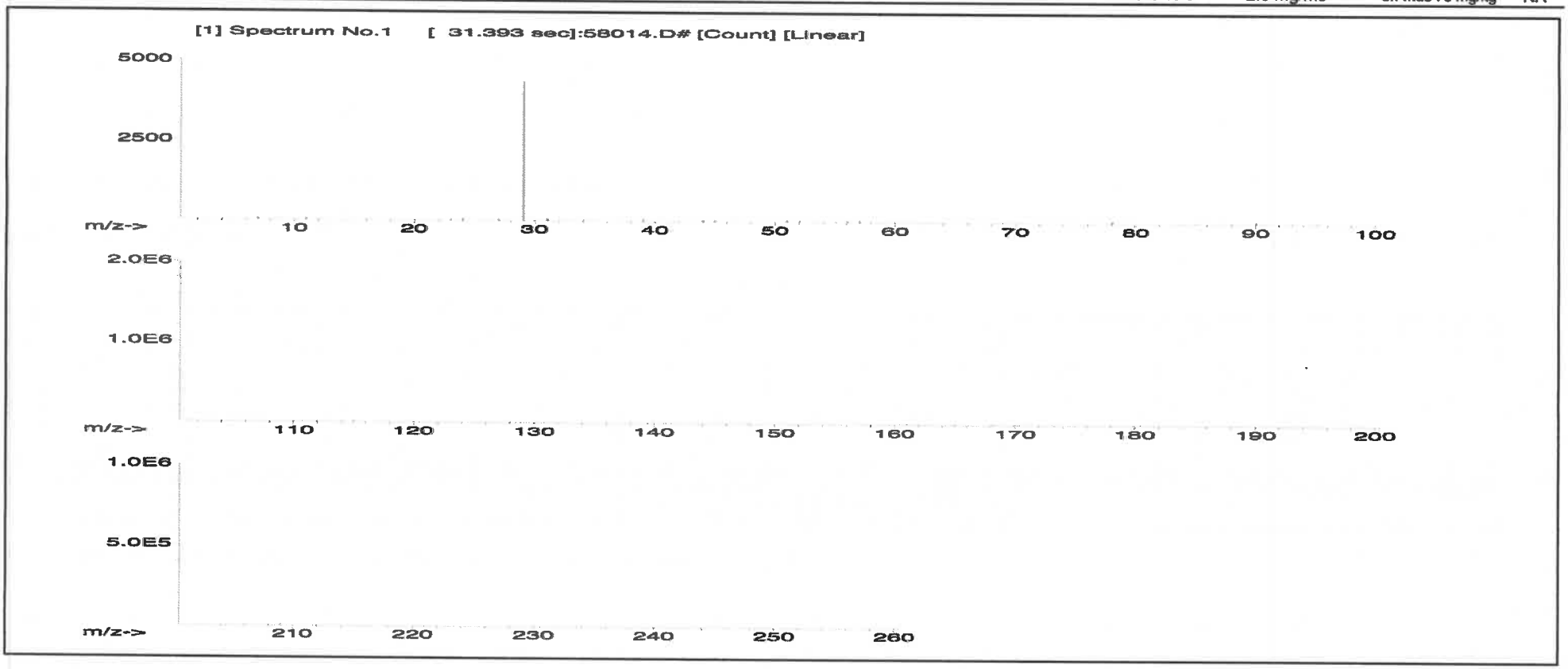
Aleah O'Brady

Formulated By: Aleah O'Brady 122023

Pedro Rentas

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 |



321

**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.
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322

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

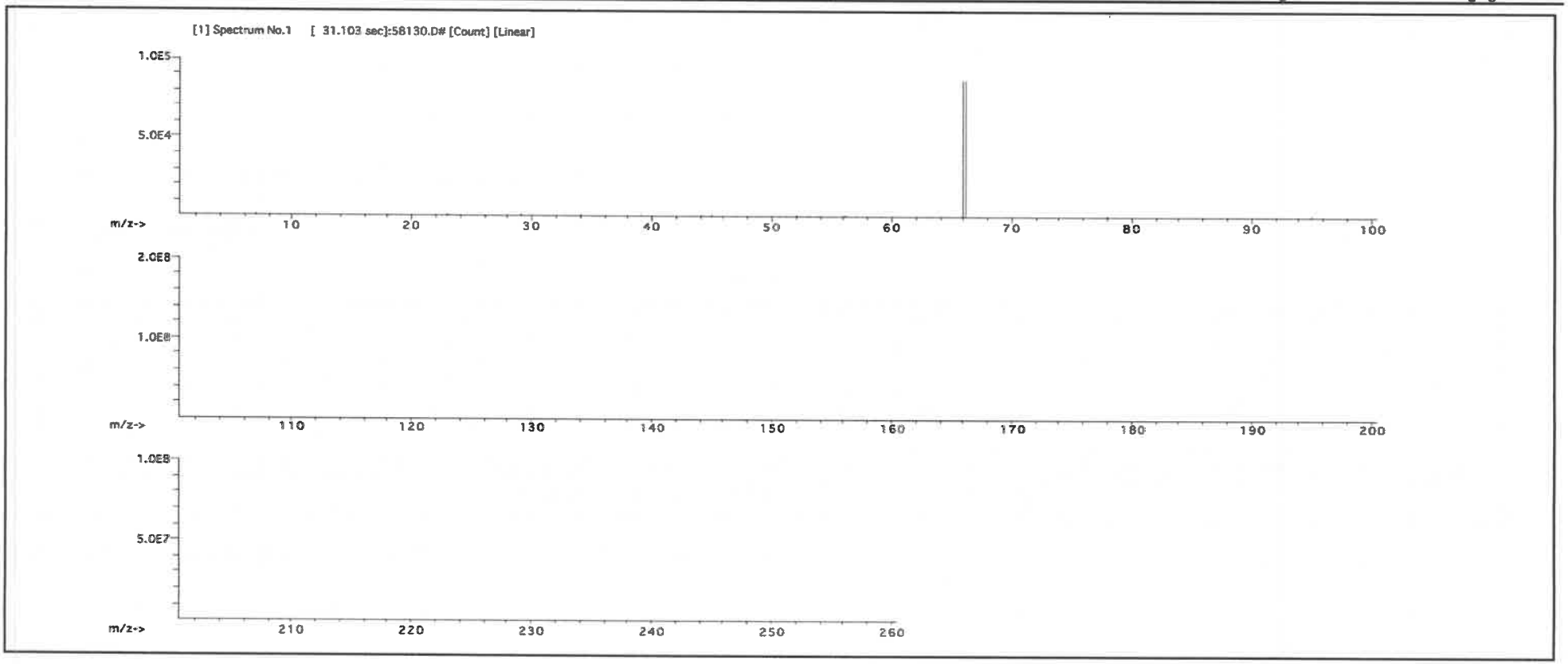
**Weight shown below was diluted to (mL):** 3000.4 0.06 Flask Uncertainty

| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 24002546 | Nitric Acid | |
| 2% | 60.0 (mL) | Nitric Acid | |

5E-05 Balance Uncertainty

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



**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.
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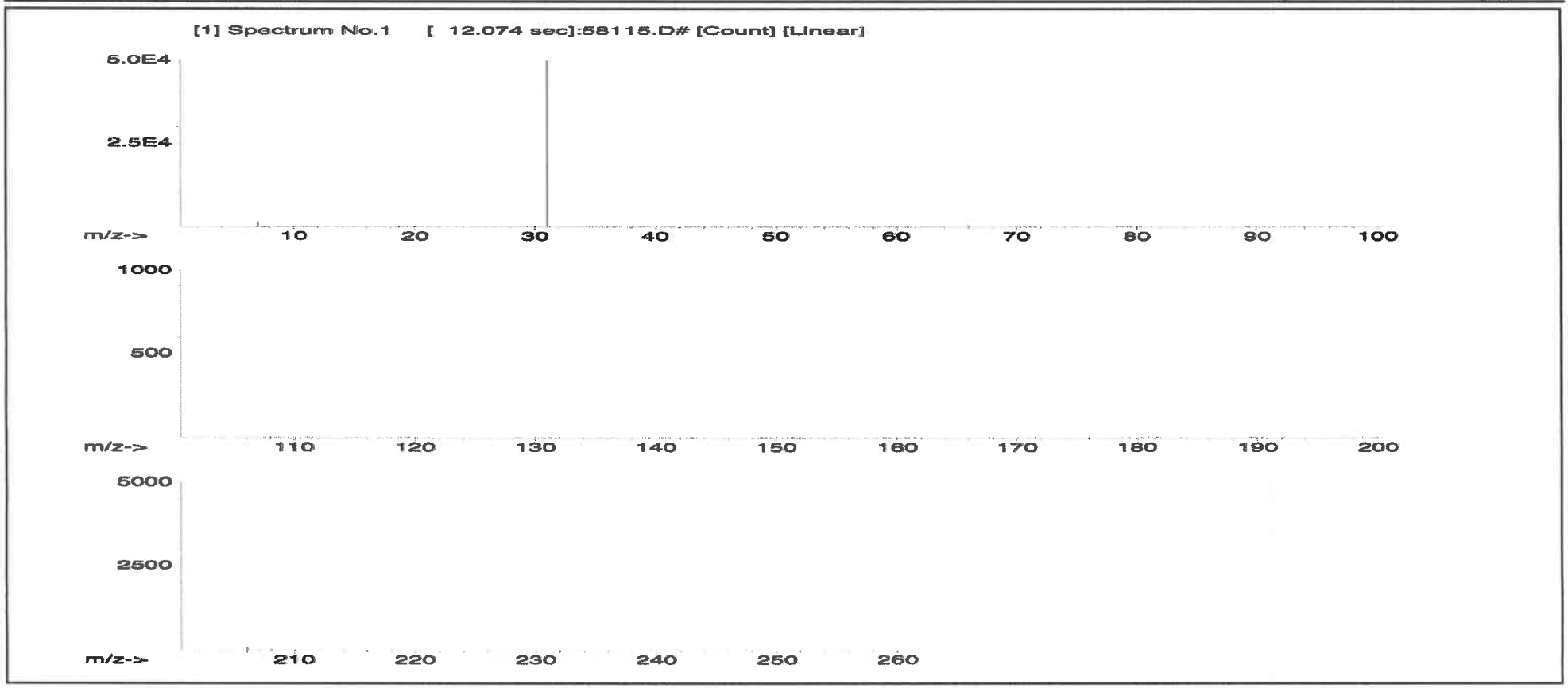
324

CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **57015** | | | **Lot #** | |
| **Lot Number:** | **091123** | **Solvent:** | 24002546 | Nitric Acid | |
| **Description:** | **Phosphorous (P)** | | | | |
| | | 2% | 40.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 091126 | | | | |
| **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 | | |

| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 091123 |
| Reviewed By: | Pedro L. Rentas | 091123 |

| 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 | 1000 | 99.999 | 0.10 | 27.5 | 7.2729 | 7.2730 | **1000.0** | **2.0** | 7722-76-1 | 5 mg/m3 | orl-rat >2000mg/k | 3186 |



325

**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 | 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.
* 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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M5961 R: 6/11/24

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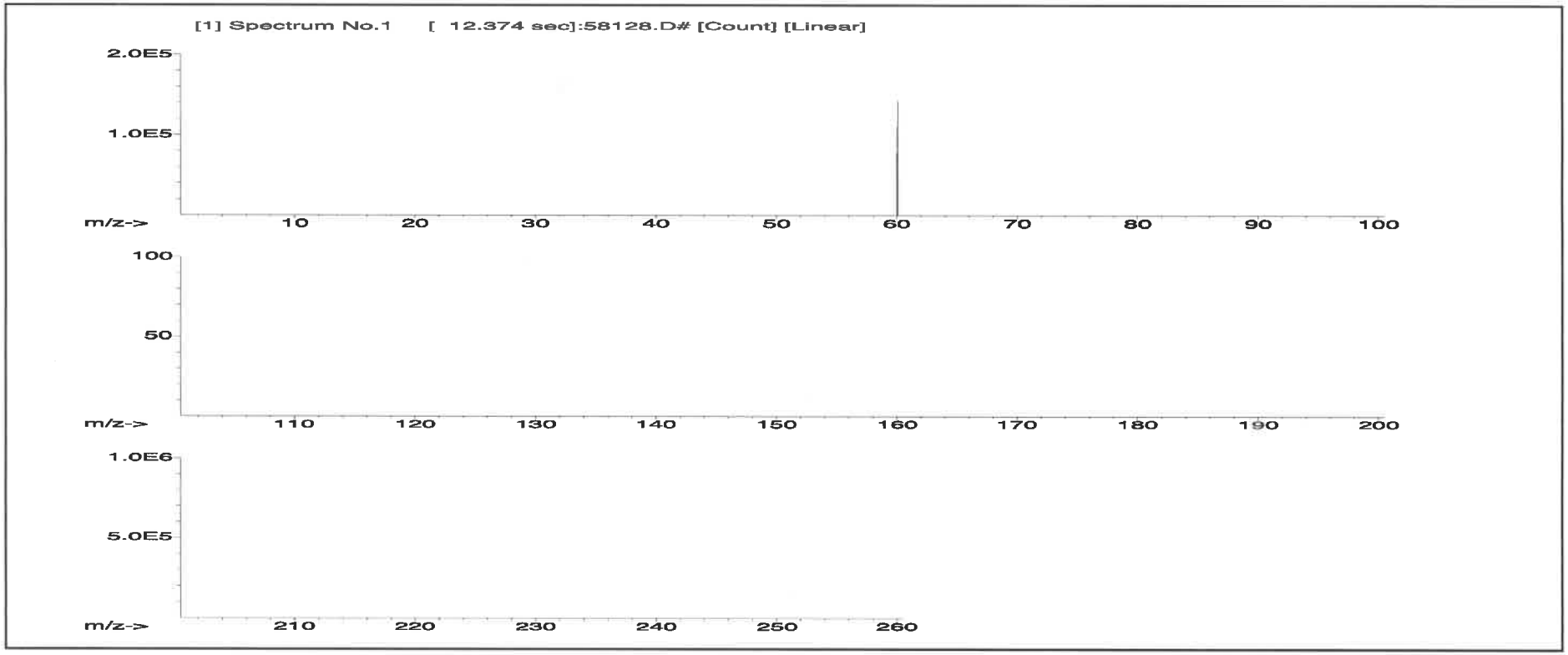
CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **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 |



**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | T | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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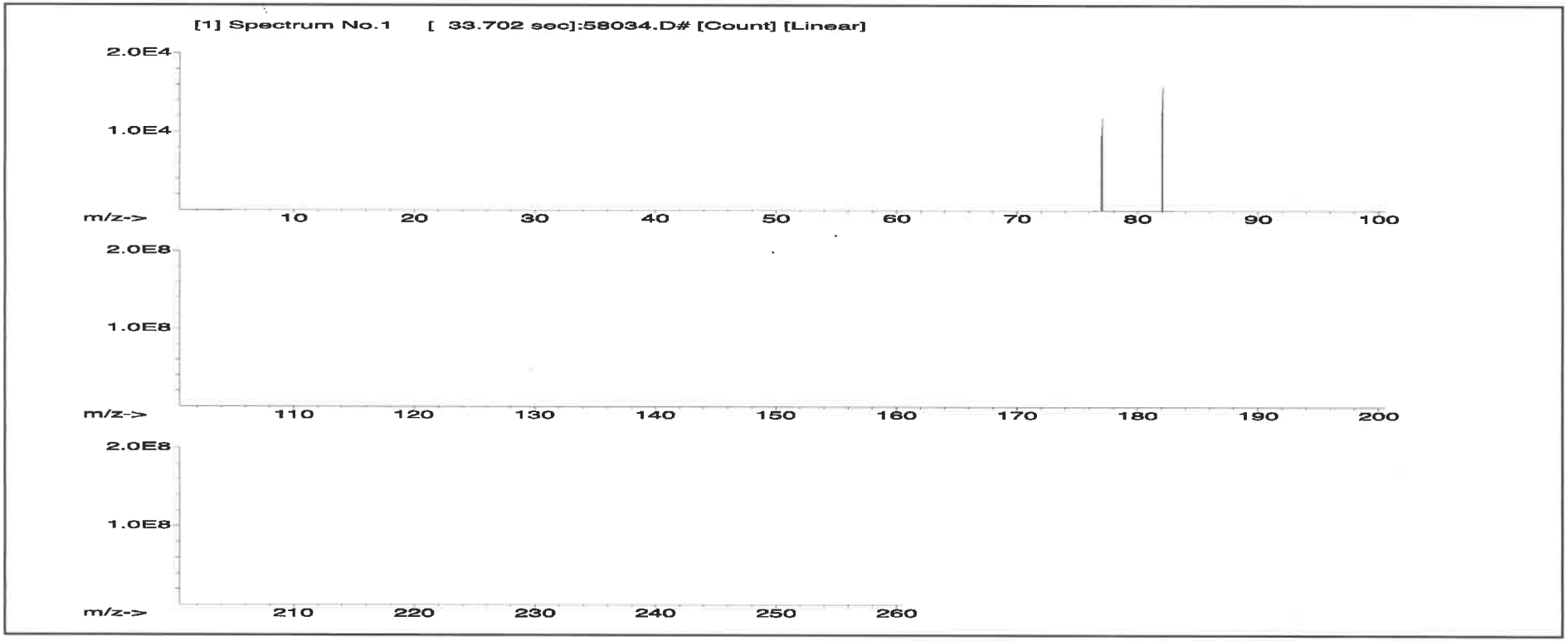
CERTIFIED WEIGHT REPORT:

| | | 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:**

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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M5970, M5971 R: 7/01/24

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CERTIFIED WEIGHT REPORT:

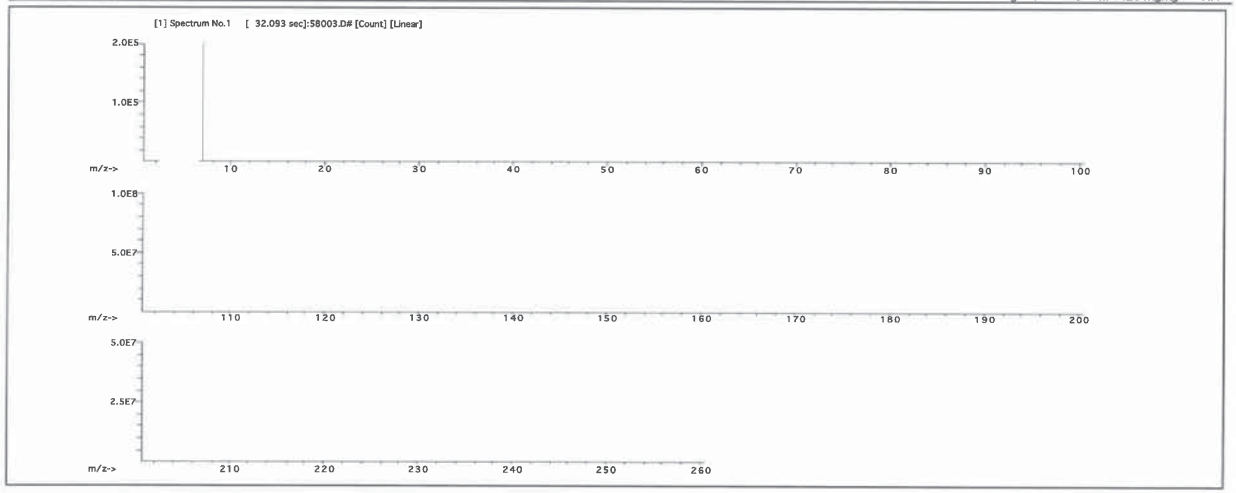
| | | Lot # | Solvent: | | |
|---|---|---|---|---|---|
| **Part Number:** | **57003** | 24002546 | Nitric Acid | | |
| **Lot Number:** | **062124** | | | | |
| **Description:** | **Lithium (Li)** | | | | |
| | | 2.0% | 5.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 062127 | | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | | |
| **Volume shown below was diluted to (mL):** | 250.11 | 0.016 | Flask Uncertainty | | |

Giovanni Esposito

Formulated By: Giovanni Esposito 062124

Reviewed By: Pedro L. Rentas 062124

| 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. Lithium nitrate (Li) | 58103 | 070622 | 0.1000 | 25.0 | 0.004 | 1000 | 10000.4 | **1000.0** | **2.0** | 7790-69-4 | 5 mg/m3 | orl-rat 1426 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 | T | Ni | <0.02 | Pr | <0.02 | Sc | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <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.
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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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# Certificate of Analysis

M5976, M5977
R: 02/22/24

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F: 540-585-3012
info@inorganicventures.com

## 1.0 ACCREDITATION / REGISTRATION

**INORGANIC VENTURES** is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

## 2.0 PRODUCT DESCRIPTION

| | |
|---|---|
| Product Code: | Single Analyte Custom Grade Solution |
| Catalog Number: | CGMO1 |
| Lot Number: | T2-MO720876 |
| Matrix: | H2O<br>tr. NH4OH |
| Value / Analyte(s): | 1 000 µg/mL ea:<br>Molybdenum |
| Starting Material: | Ammonium Molybdate |
| Starting Material Lot#: | 2361 |
| Starting Material Purity: | 99.9893% |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Value:** 998 ± 7 µg/mL

**Density:** 1.000 g/mL (measured at 20 ± 4 °C)

**Assay Information:**

**Assay Method #1** **998 ± 4 µg/mL**
ICP Assay NIST SRM 3134 Lot Number: 130418

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

### Characterization of CRM/RM by Two or More Methods

**Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:**

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

$w_i$ = the weighting factors for each method calculated using the inverse square of the variance.

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

**CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$**

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

### Characterization of CRM/RM by One Method

**Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:**

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

$X_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

**CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$**

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

## 4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

### 4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

### 4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

### 4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

## 5.0 TRACE METALLIC IMPURITIES (TMI ) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M | Ag | < | 0.000590 | M | Eu | < | 0.000300 | M | Na | | 0.000879 | M | Se | < | 0.008000 | M | Zn | | 0.000598 |
| M | Al | | 0.000563 | M | Fe | < | 0.006500 | M | Nb | < | 0.029000 | i | Si | < | | M | Zr | < | 0.001800 |
| M | As | < | 0.002100 | M | Ga | < | 0.000300 | i | Nd | < | | M | Sm | < | 0.000300 | | | | |
| M | Au | < | 0.000300 | M | Gd | < | 0.000300 | M | Ni | < | 0.008000 | M | Sn | < | 0.008900 | | | | |
| M | B | < | 0.003300 | M | Ge | < | 0.000300 | M | Os | < | 0.000590 | M | Sr | | 0.000175 | | | | |
| M | Ba | | 0.001689 | M | Hf | < | 0.001800 | i | P | < | | M | Ta | < | 0.004200 | | | | |
| M | Be | < | 0.000890 | M | Hg | < | 0.003300 | M | Pb | < | 0.000300 | M | Tb | < | 0.000300 | | | | |
| M | Bi | < | 0.000890 | M | Ho | < | 0.000300 | M | Pd | < | 0.001800 | M | Te | < | 0.021000 | | | | |
| O | Ca | | 0.006334 | M | In | < | 0.032000 | M | Pr | < | 0.013000 | M | Th | < | 0.000300 | | | | |
| O | Cd | < | 0.026000 | M | Ir | < | 0.000300 | M | Pt | < | 0.000300 | O | Tl | < | 0.032000 | | | | |
| M | Ce | < | 0.008300 | M | K | | 0.130213 | M | Rb | | 0.004575 | M | Tl | | 0.001266 | | | | |
| M | Co | | 0.000598 | M | La | < | 0.000300 | M | Re | < | 0.000300 | M | Tm | < | 0.000300 | | | | |
| M | Cr | | 0.000527 | O | Li | | 0.000059 | M | Rh | < | 0.000300 | M | U | < | 0.005300 | | | | |
| M | Cs | | 0.000527 | M | Lu | < | 0.000300 | M | Ru | < | 0.079000 | M | V | < | 0.000890 | | | | |
| M | Cu | | 0.002252 | M | Mg | | 0.000563 | i | S | < | | M | W | | 0.087982 | | | | |
| M | Dy | < | 0.000300 | M | Mn | < | 0.005900 | M | Sb | | 0.001513 | M | Y | < | 0.000300 | | | | |
| M | Er | < | 0.000300 | s | Mo | < | | M | Sc | < | 0.001200 | M | Yb | < | 0.000300 | | | | |

M - Checked by ICP-MS  O - Checked by ICP-OES  i - Spectral Interference
n - Not Checked For  s - Solution Standard Element

## 6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

## 7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

### 7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

**Atomic Weight; Valence; Coordination Number; Chemical Form in Solution -** 95.94 +6 6,7,8,9 [MoO4]-2(chemical form as received)

**Chemical Compatibility -**Mo is received in a NH4OH matrix giving the operator the option of using HCl or HF to stabilize acidic solutions. The [MoO4]-2 is soluble in concentrated HCl [MoOCl5]-2, dilute HF / HNO3 [MoOF5]-2 and basic media [MoO4]-2. Stable at ppm levels with some metals provided it is fluorinated. Do not mix with Alkaline or Rare Earths when HF is present. Stable with most inorganic anions provided it is in the [MoO4]-2 chemical form.

**Stability -** 2-100 ppb levels stable (alone or mixed with all other metals that are at comparable levels) as the [MoOF5]-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the [MoO4]-2 chemically stable for years in 1% NH4OH in a LDPE container.

**Mo Containing Samples (Preparation and Solution) -**Metal (Soluble in HF / HNO3 or hot dilute HCl); Oxide (soluble in HF or NH4OH) ; Organic Matrices (Dry ash at 450EC in Pt0 and dissolve oxide with HF or HCl ).

**Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):**

| **Technique/Line** | **Estimated D.L.** | **Order** | **Interferences** (underlined indicates severe) |
|---|---|---|---|
| ICP-MS 95 amu | 3 ppt | n/a | 40Ar39K16O,79Br1 6O,190Os2+,190Pt 2+ |
| ICP-OES 202.030 nm | 0.008 / 0.0002 µg/mL | 1 | Os, Hf |
| ICP-OES 203.844 nm | 0.012 / 0.002 µg/mL | 1 | |
| ICP-OES 204.598 nm | 0.012 / 0.001 µg/mL | 1 | Ir, Ta |

## 8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

## 9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

## 10.0 QUALITY STANDARD DOCUMENTATION

### 10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

### 10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

### 10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02



## 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

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# Certificate of Analysis

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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: | CGTI1 |
| Lot Number: | T2-TI719972 |
| Matrix: | 2% (v/v) HNO3<br>tr. HF |
| Value / Analyte(s): | 1 000 µg/mL ea:<br>Titanium |
| Starting Material: | Ti Metal |
| Starting Material Lot#: | 2094 |
| Starting Material Purity: | 99.9975% |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Value:** 1002 ± 5 µg/mL

**Density:** 1.012 g/mL (measured at 20 ± 4 °C)

**Assay Information:**

**Assay Method #1** **1002 ± 4 µg/mL**
ICP Assay NIST SRM 3162a Lot Number: 130925

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

**Characterization of CRM/RM by Two or More Methods**

**Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:**

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

$w_i$ = the weighting factors for each method calculated using the inverse square of the variance

$w_i = (1/u_{char\ i}^2) / (\Sigma(1/u_{char\ i}^2))$

**CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$**

k = coverage factor = 2

$u_{char} = [\Sigma(w_i)^2\ (u_{char\ i})^2]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

**Characterization of CRM/RM by One Method**

**Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:**

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

$X_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

**CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$**

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

## 4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

### 4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

### 4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

### 4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

## 5.0 TRACE METALLIC IMPURITIES (TMI ) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M | Ag | < | 0.000536 | M | Eu | < | 0.000268 | O | Na | < | 0.032670 | M | Se | | 0.001204 | O | Zn | < | 0.003267 |
| O | Al | | 0.000872 | O | Fe | | 0.003225 | O | Nb | < | 0.043560 | O | Si | | 0.004735 | O | Zr | < | 0.043560 |
| M | As | < | 0.008586 | M | Ga | < | 0.000268 | M | Nd | < | 0.000268 | M | Sm | < | 0.000268 | | | | |
| M | Au | < | 0.004577 | M | Gd | < | 0.000268 | O | Ni | < | 0.010890 | M | Sn | | 0.000096 | | | | |
| O | B | < | 0.008929 | M | Ge | < | 0.002146 | M | Os | < | 0.000269 | O | Sr | | 0.000096 | | | | |
| M | Ba | < | 0.002683 | M | Hf | | 0.002161 | O | P | < | 0.054450 | M | Ta | | 0.010560 | | | | |
| M | Be | < | 0.005366 | M | Hg | < | 0.003231 | M | Pb | < | 0.001073 | M | Tb | < | 0.000268 | | | | |
| M | Bi | < | 0.001609 | M | Ho | < | 0.000268 | M | Pd | < | 0.000268 | M | Te | < | 0.001341 | | | | |
| O | Ca | | 0.000676 | M | In | < | 0.002683 | M | Pr | < | 0.000268 | M | Th | < | 0.053663 | | | | |
| M | Cd | < | 0.000268 | M | Ir | < | 0.000269 | M | Pt | < | 0.000536 | s | Ti | < | | | | | |
| M | Ce | < | 0.000268 | M | K | | 0.001172 | M | Rb | < | 0.000268 | M | Tl | < | 0.000268 | | | | |
| M | Co | < | 0.004293 | M | La | < | 0.000268 | M | Re | < | 0.000268 | M | Tm | < | 0.000268 | | | | |
| M | Cr | | 0.000752 | O | Li | < | 0.027225 | M | Rh | < | 0.000268 | M | U | < | 0.000268 | | | | |
| M | Cs | < | 0.000268 | M | Lu | < | 0.000268 | M | Ru | < | 0.000269 | M | V | < | 0.019855 | | | | |
| O | Cu | < | 0.010890 | O | Mg | < | 0.005445 | i | S | < | | M | W | | 0.000473 | | | | |
| M | Dy | < | 0.000268 | O | Mn | < | 0.003267 | M | Sb | < | 0.006976 | M | Y | < | 0.002146 | | | | |
| M | Er | < | 0.000268 | M | Mo | | 0.000774 | O | Sc | < | 0.004900 | M | Yb | < | 0.000536 | | | | |

M - Checked by ICP-MS  O - Checked by ICP-OES  i - Spectral Interference
n - Not Checked For  s - Solution Standard Element

## 6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

## 7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

### 7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

**Atomic Weight; Valence; Coordination Number; Chemical Form in Solution -** 47.87 +4 6 Ti(F)6-2

**Chemical Compatibility -** Soluble in concentrated HCl, HF, H3PO4 H2SO4 and HNO3. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths or high levels of transition elements unless they are fluorinated). Stable with most inorganic anions with a tendency to hydrolyze forming the hydrated oxide in all dilute acids except HF.

**Stability -** 2-100 ppb levels stable (Alone or mixed with all other metals) as the Ti(F)6-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the Ti(F)6-2 chemically stable for years in 2-5% HNO3 / trace HF in an LDPE container.

**Ti Containing Samples (Preparation and Solution) -** Metal (Soluble in H2O / HF caution -powder reacts violently); Oxide - low temperature history anatase or rutile (Dissolved by heating in 1:1:1 H2O / HF / H2SO4); Oxide - high temperature history (~800EC) brookite (fuse in Pt0 with K2S2O7); Ores ( fuse in Pt0 with KF + K2S2O7 - no KF if silica not present); Organic Matrices (Dry ash at 450EC in Pt0 and dissolve by heating with 1:1:1 H2O / HF / H2SO4 or fuse ash with pyrosulfate if oxide is as plastic pigment and likely in brookite crystalline form).

**Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):**

| Technique/Line | Estimated D.L. | Order | Interferences (underlined indicates severe) |
|---|---|---|---|
| ICP-MS 48 amu | 14 ppt | N/A | 32S16O, 32S14N, 14N16O18O, 14N17N2, 36Ar12C, 48Ca, [96X=2 (where X = Zr, Mo, Ru)] |
| ICP-OES 323.452 nm | 0.0054 / 0.00092 µg/mL | 1 | Ce, Ar, Ni |
| ICP-OES 334.941 nm | 0.0038 / 0.000028 µg/mL | 1 | Nb, Ta, Cr, U |
| ICP-OES 336.121 nm | 0.0053 / 0.000034 µg/mL | 1 | W, Mo, Co |

**HF Note:** This standard should not be prepared or stored in glass.

## 8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

## 9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

## 10.0 QUALITY STANDARD DOCUMENTATION

### 10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

### 10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

**10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"**

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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## 11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

**11.1 Certification Issue Date**

June 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

**11.2 Lot Expiration Date**

**- June 17, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

**11.3 Period of Validity**

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Approved By:**

Thomas Kozikowski
Manager, Quality Control

**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

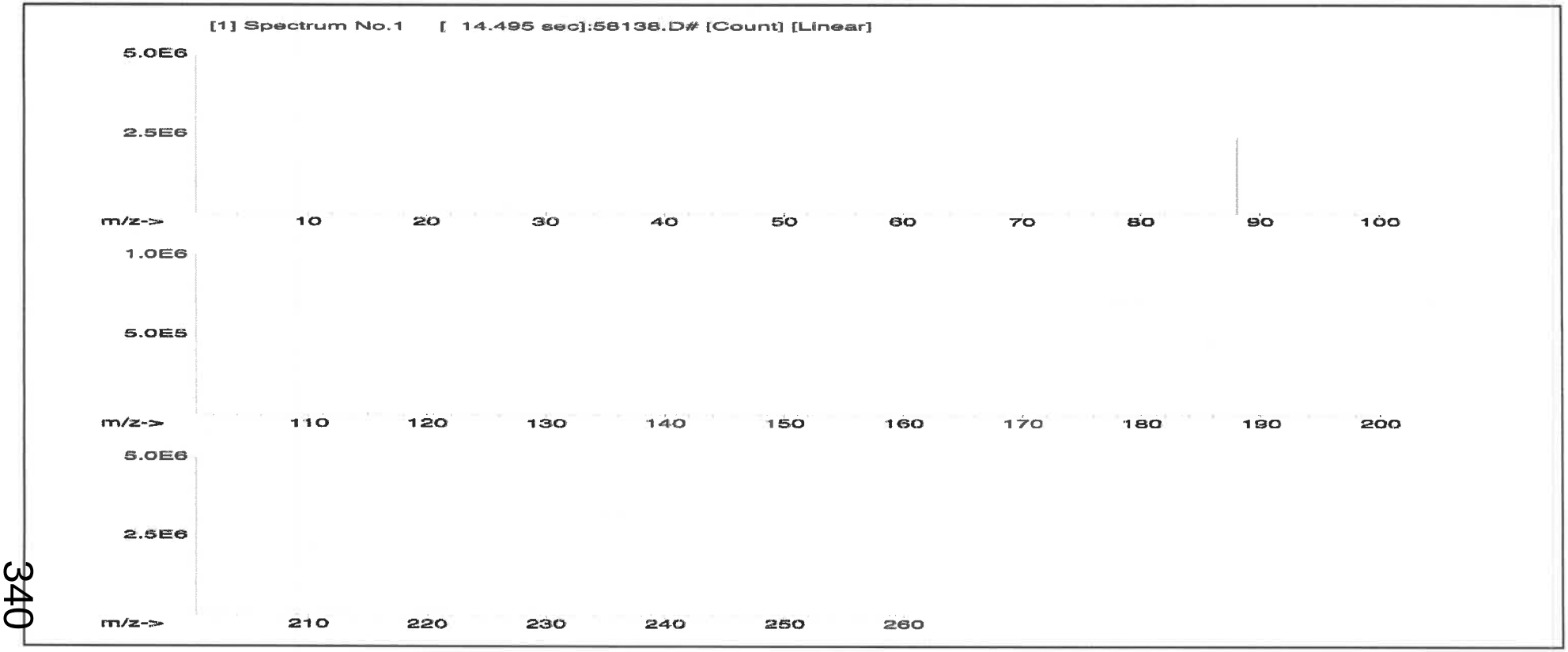
45982 R: 6/11/24

CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **57038** | | **Lot #** | | |
| **Lot Number:** | **031524** | **Solvent:** | 24002546 | Nitric Acid | |
| **Description:** | **Strontium (Sr)** | | | | |
| | | 2% | 40.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 031527 | | | | |
| **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):** | 2000.07 | 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 |

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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 | 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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# Certificate of Analysis

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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: | CGY10 |
| Lot Number: | V2-Y740548 |
| Matrix: | 2% (v/v) HNO3 |
| Value / Analyte(s): | 10 000 µg/mL ea:<br>Yttrium |
| Starting Material: | Yttrium Oxide |
| Starting Material Lot#: | 2661 and 06230520YL |
| Starting Material Purity: | 99.9984% |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Value:** 10000 ± 30 µg/mL

**Density:** 1.032 g/mL (measured at 20 ± 4 °C)

**Assay Information:**

| | |
|---|---|
| **Assay Method #1** | **10011 ± 25 µg/mL**<br>EDTA NIST SRM 928 Lot Number: 928 |
| **Assay Method #2** | **9997 ± 50 µg/mL**<br>ICP Assay NIST SRM 3167a Lot Number: 190730 |
| **Assay Method #3** | **9984 ± 31 µg/mL**<br>Calculated NIST SRM Lot Number: See Sec. 4.2 |

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

### Characterization of CRM/RM by Two or More Methods

**Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:**

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

$w_i$ = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

### Characterization of CRM/RM by One Method

**Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:**

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

$X_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

## 4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

### 4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

### 4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

### 4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

## 5.0 TRACE METALLIC IMPURITIES (TMI ) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M | Ag | < | 0.004600 | M | Eu | | 0.009037 | M | Na | | 0.086360 | M | Se | < | 0.005200 | M | Zn | | 0.030125 |
| M | Al | | 0.014862 | O | Fe | | 0.002410 | M | Nb | < | 0.000570 | O | Si | | 0.024100 | O | Zr | < | 0.002600 |
| M | As | < | 0.003500 | M | Ga | < | 0.000570 | M | Nd | | 0.000923 | M | Sm | | 0.000461 | | | | |
| M | Au | < | 0.001700 | M | Gd | < | 0.003500 | M | Ni | < | 0.005700 | M | Sn | < | 0.002300 | | | | |
| O | B | | 0.002209 | M | Ge | < | 0.005200 | M | Os | < | 0.001200 | M | Sr | < | 0.004600 | | | | |
| O | Ba | < | 0.002500 | M | Hf | < | 0.000570 | n | P | < | | M | Ta | < | 0.000570 | | | | |
| O | Be | < | 0.001400 | M | Hg | < | 0.000570 | M | Pb | | 0.005020 | M | Tb | | 0.001044 | | | | |
| M | Bi | < | 0.003500 | M | Ho | | 0.009037 | M | Pd | < | 0.005100 | M | Te | < | 0.002300 | | | | |
| O | Ca | | 0.009841 | M | In | < | 0.002300 | M | Pr | < | 0.002300 | M | Th | < | 0.000570 | | | | |
| M | Cd | < | 0.000570 | M | Ir | < | 0.000570 | M | Pt | < | 0.000570 | M | Ti | < | 0.003500 | | | | |
| M | Ce | < | 0.002300 | O | K | | 0.018677 | M | Rb | < | 0.000570 | M | Tl | < | 0.000570 | | | | |
| M | Co | < | 0.000570 | M | La | | 0.000461 | M | Re | < | 0.000570 | M | Tm | < | 0.003500 | | | | |
| M | Cr | < | 0.004000 | O | Li | < | 0.009300 | M | Rh | < | 0.008000 | M | U | < | 0.000570 | | | | |
| M | Cs | < | 0.000570 | M | Lu | | 0.000582 | M | Ru | < | 0.000570 | M | V | | 0.001265 | | | | |
| M | Cu | | 0.002610 | O | Mg | | 0.001486 | n | S | < | | M | W | < | 0.002300 | | | | |
| M | Dy | | 0.003815 | M | Mn | | 0.000582 | M | Sb | | 0.005422 | s | Y | < | | | | | |
| M | Er | | 0.003615 | M | Mo | < | 0.005700 | M | Sc | < | 0.001200 | M | Yb | | 0.001827 | | | | |

M - Checked by ICP-MS  O - Checked by ICP-OES  i - Spectral Interference
n - Not Checked For  s - Solution Standard Element

## 6.0 INTENDED USE

**6.1** This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

**6.2** For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

## 7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

### 7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

**Atomic Weight; Valence; Coordination Number; Chemical Form in Solution** - 88.91 +3 6 Y(OH)(H2O)x+2

**Chemical Compatibility** -Soluble in HCl, H2SO4 and HNO3. Avoid HF, H3PO4 and neutral to basic media. Stable with most metals and inorganic anions forming an insoluble carbonate, oxide, oxalate, and fluoride. Avoid mixing with elements / solutions containing moderate amounts of fluoride.

**Stability** - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 2-5% HNO3 / LDPE container.

**Y Containing Samples (Preparation and Solution)** - Metal (Soluble in acids); Oxide (Dissolve by heating in H2O/ HNO3); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Dry ash and dissolve in 1:1 H2O / HCl or HNO3).

**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 89 amu | 0.8 ppt | N/A | 73Ge16O, 178Hf+2 |
| ICP-OES 360.073 nm | 0.005 / 0.000036 µg/mL | 1 | Ce, Th |
| ICP-OES 371.030 nm | 0.004 / 0.00007 µg/mL | 1 | Ce |
| ICP-OES 377.433 nm | 0.005 / 0.0009 µg/mL | 1 | Ta, Th |

## 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**

February 20, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

**11.2 Lot Expiration Date**

**- February 20, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

**11.3 Period of Validity**

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Prepared By:**

Uyen Truong
Custom Processing Supervisor

**Certificate Approved By:**

Muzzammil Khan
Stock Laboratory Supervisor

**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director

# Certificate of Analysis

Refine your results. Redefine your industry.

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

R: 2/22/2024
M5999

## 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: | CLPP-SPK-1 |
| Lot Number: | T2-MEB721963 |
| Matrix: | 7% (v/v) HNO3 |
| Value / Analyte(s): | 2 000 µg/mL ea: Aluminum, Barium,<br>1 000 µg/mL ea: Iron,<br>500 µg/mL ea: Manganese, Nickel, Vanadium, Zinc, Cobalt,<br>250 µg/mL ea: Copper,<br>200 µg/mL ea: Chromium,<br>50 µg/mL ea: Beryllium, Silver |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ANALYTE | CERTIFIED VALUE | ANALYTE | CERTIFIED VALUE |
|---|---|---|---|
| Aluminum, Al | 2 000 ± 7 µg/mL | Barium, Ba | 2 000 ± 9 µg/mL |
| Beryllium, Be | 50.00 ± 0.26 µg/mL | Chromium, Cr | 200.0 ± 1.1 µg/mL |
| Cobalt, Co | 500.0 ± 2.4 µg/mL | Copper, Cu | 250.0 ± 1.0 µg/mL |
| Iron, Fe | 1 000 ± 4 µg/mL | Manganese, Mn | 500.0 ± 2.0 µg/mL |
| Nickel, Ni | 500.0 ± 2.2 µg/mL | Silver, Ag | 50.00 ± 0.22 µg/mL |
| Vanadium, V | 500.0 ± 2.2 µg/mL | Zinc, Zn | 500.0 ± 2.2 µg/mL |

**Density:** 1.070 g/mL (measured at 20 ± 4 °C)

**Assay Information:**

| ANALYTE | METHOD | NIST SRM# | SRM LOT# |
|---|---|---|---|
| Ag | ICP Assay | 3151 | 160729 |
| Ag | Volhard | 999c | 999c |
| Ag | Calculated | | See Sec. 4.2 |
| Al | ICP Assay | 3101a | 140903 |
| Al | EDTA | 928 | 928 |
| Ba | ICP Assay | 3104a | 140909 |
| Ba | Gravimetric | | See Sec. 4.2 |
| Be | ICP Assay | 3105a | 090514 |
| Be | Calculated | | See Sec. 4.2 |
| Co | ICP Assay | 3113 | 190630 |
| Co | EDTA | 928 | 928 |
| Cr | ICP Assay | 3112a | 170630 |
| Cu | ICP Assay | 3114 | 121207 |
| Cu | EDTA | 928 | 928 |
| Fe | ICP Assay | 3126a | 140812 |
| Fe | EDTA | 928 | 928 |
| Mn | ICP Assay | 3132 | 050429 |
| Mn | EDTA | 928 | 928 |
| Ni | ICP Assay | 3136 | 120619 |
| Ni | EDTA | 928 | 928 |
| V | IC Assay | 3165 | 160906 |
| V | EDTA | 928 | 928 |
| Zn | ICP Assay | 3168a | 120629 |
| Zn | EDTA | 928 | 928 |

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

### Characterization of CRM/RM by Two or More Methods

**Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:**

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

$w_i$ = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

**CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$**

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

### Characterization of CRM/RM by One Method

**Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:**

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

$X_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

**CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$**

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

## 4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

### 4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

### 4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

### 4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

## 5.0 TRACE METALLIC IMPURITIES (TMI ) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

## 6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

## 7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

### 7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

**Note**: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information.

https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver

## 8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

## 9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

## 10.0 QUALITY STANDARD DOCUMENTATION

### 10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

### 10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

### 10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

## 11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

### 11.1 Certification Issue Date

July 27, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

### 11.2 Lot Expiration Date

**- July 27, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

### 11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Approved By:**

Thomas Kozikowski
Manager, Quality Control

**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

R: 01/03/24 M6033

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

350

CERTIFIED WEIGHT REPORT:

| | | | | Lot # | |
|---|---|---|---|---|---|
| **Part Number:** | **58113** | | **Solvent:** | 20510011 | Nitric Acid |
| **Lot Number:** | **011623** | | | | |
| **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 | | |

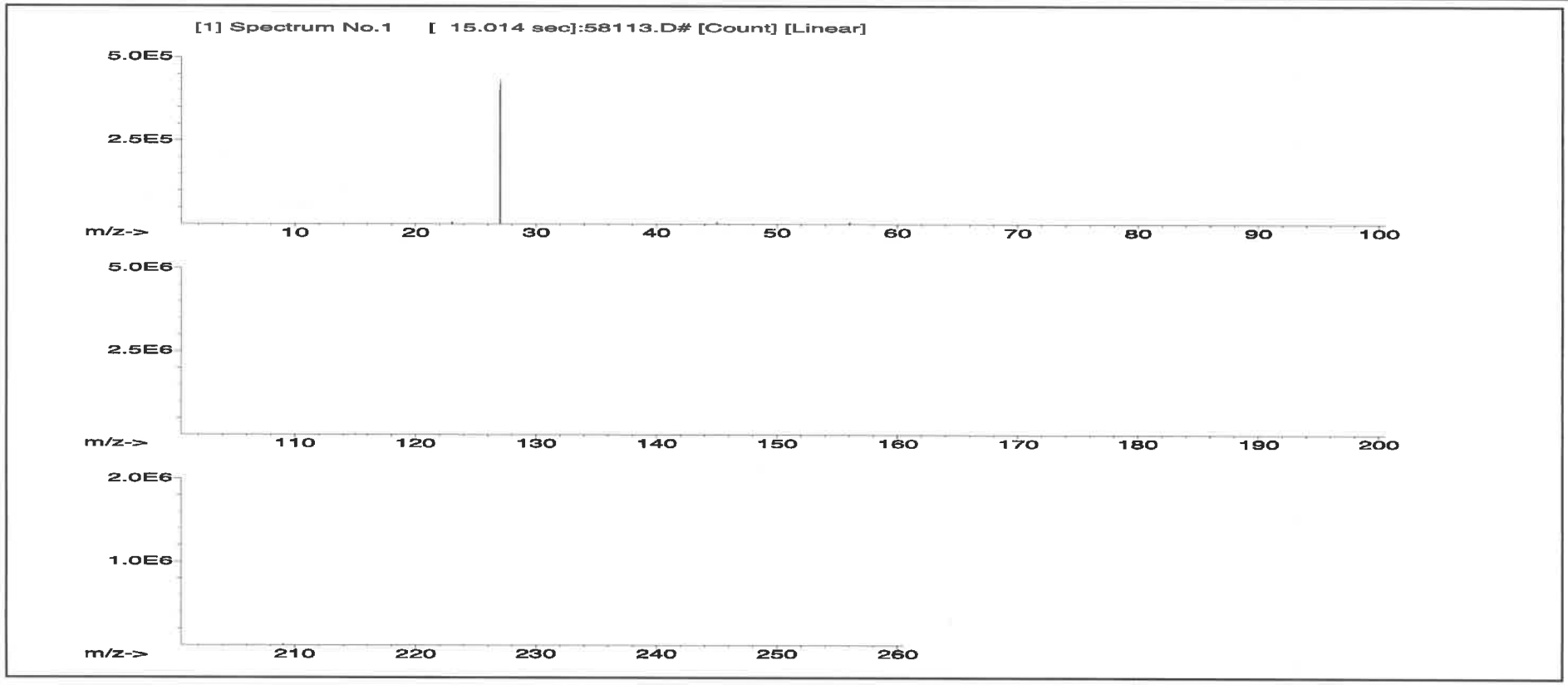
Giovanni Esposito

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



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

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Received — 08/01/2024
paper
M6039
M6040

Material No.: 9530-33
Batch No.: 24D1562005
Manufactured Date: 2024-03-18
Retest Date: 2029-03-17
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| ACS - Assay (as HCl) (by acid-base titrn) | 36.5 - 38.0 % | 37.6 % |
| ACS - Color (APHA) | ≤ 10 | 5 |
| ACS - Residue after Ignition | ≤ 3 ppm | < 1 ppm |
| ACS - Specific Gravity at 60°/60°F | 1.185 - 1.192 | 1.192 |
| 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 | < 5.0 ppb |
| Arsenic and Antimony (as As) | ≤ 5.0 ppb | < 3.0 ppb |
| Trace Impurities - Barium (Ba) | ≤ 1.0 ppb | < 1.0 ppb |
| Trace Impurities - Beryllium (Be) | ≤ 1.0 ppb | < 1.0 ppb |
| Trace Impurities - Bismuth (Bi) | ≤ 10.0 ppb | < 10.0 ppb |
| Trace Impurities - Boron (B) | ≤ 20.0 ppb | 2.2 ppb |
| Trace Impurities - Cadmium (Cd) | ≤ 1.0 ppb | < 1.0 ppb |
| Trace Impurities - Calcium (Ca) | ≤ 50.0 ppb | 31.0 ppb |
| Trace Impurities - Chromium (Cr) | ≤ 1.0 ppb | 0.5 ppb |
| Trace Impurities - Cobalt (Co) | ≤ 1.0 ppb | 0.2 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 | < 0.2 ppb |
| Heavy Metals (as Pb) | ≤ 100 ppb | < 50 ppb |
| Trace Impurities - Iron (Fe) | ≤ 15 ppb | 3 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.: 24D1562005

| Test | Specification | Result |
|---|---|---|
| Trace Impurities – Lead (Pb) | ≤ 1.0 ppb | < 0.2 ppb |
| Trace Impurities – Lithium (Li) | ≤ 1.0 ppb | < 0.1 ppb |
| Trace Impurities – Magnesium (Mg) | ≤ 10.0 ppb | 2.2 ppb |
| Trace Impurities – Manganese (Mn) | ≤ 1.0 ppb | < 0.2 ppb |
| Trace Impurities – Mercury (Hg) | ≤ 0.5 ppb | < 0.1 ppb |
| Trace Impurities – Molybdenum (Mo) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities – Nickel (Ni) | ≤ 4.0 ppb | 0.2 ppb |
| Trace Impurities – Niobium (Nb) | ≤ 1.0 ppb | < 0.2 ppb |
| Trace Impurities – Potassium (K) | ≤ 9.0 ppb | < 1.0 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 | < 0.3 ppb |
| Trace Impurities – Sodium (Na) | ≤ 100.0 ppb | 2.0 ppb |
| Trace Impurities – Strontium (Sr) | ≤ 1.0 ppb | < 0.2 ppb |
| Trace Impurities – Tantalum (Ta) | ≤ 1.0 ppb | < 0.9 ppb |
| Trace Impurities – Thallium (Tl) | ≤ 5.0 ppb | < 2.0 ppb |
| Trace Impurities – Tin (Sn) | ≤ 5.0 ppb | < 0.4 ppb |
| Trace Impurities – Titanium (Ti) | ≤ 1.0 ppb | 0.2 ppb |
| Trace Impurities – Vanadium (V) | ≤ 1.0 ppb | < 0.2 ppb |
| Trace Impurities – Zinc (Zn) | ≤ 5.0 ppb | < 0.2 ppb |
| Trace Impurities – Zirconium (Zr) | ≤ 1.0 ppb | < 0.1 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.: 24D1562005

| 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

Jamie Croak
Director Quality Operations, Bioscience Production

Nitric Acid 69%
CMOS

M6096
M6097
M6098
M6099
M6100

Mtd 9/21/24

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

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R: 01/03/24 M5806, M5807

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## CERTIFIED WEIGHT REPORT:

**Part Number:** 58111
**Lot Number:** 122223
**Description:** Sodium (Na)

**Expiration Date:** 122226
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB

**Weight shown below was diluted to (mL):** 3000.4 | 0.06 Flask Uncertainty

| | Lot # | |
|---|---|---|
| **Solvent:** | 24002546 | Nitric Acid |
| 2% | 60.0 (mL) | Nitric Acid |

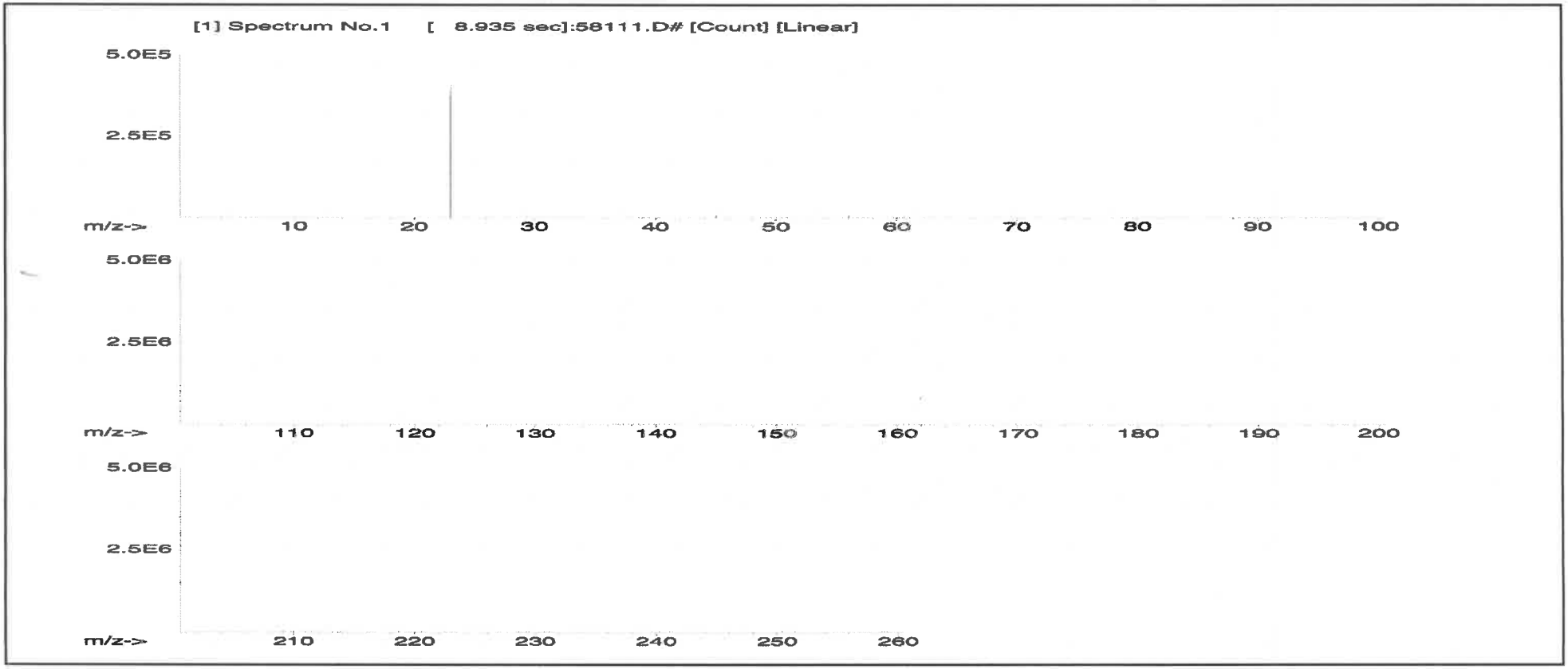
5E-05 Balance Uncertainty

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 |



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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 | 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).

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R: 01/03/24 M5802, M5803

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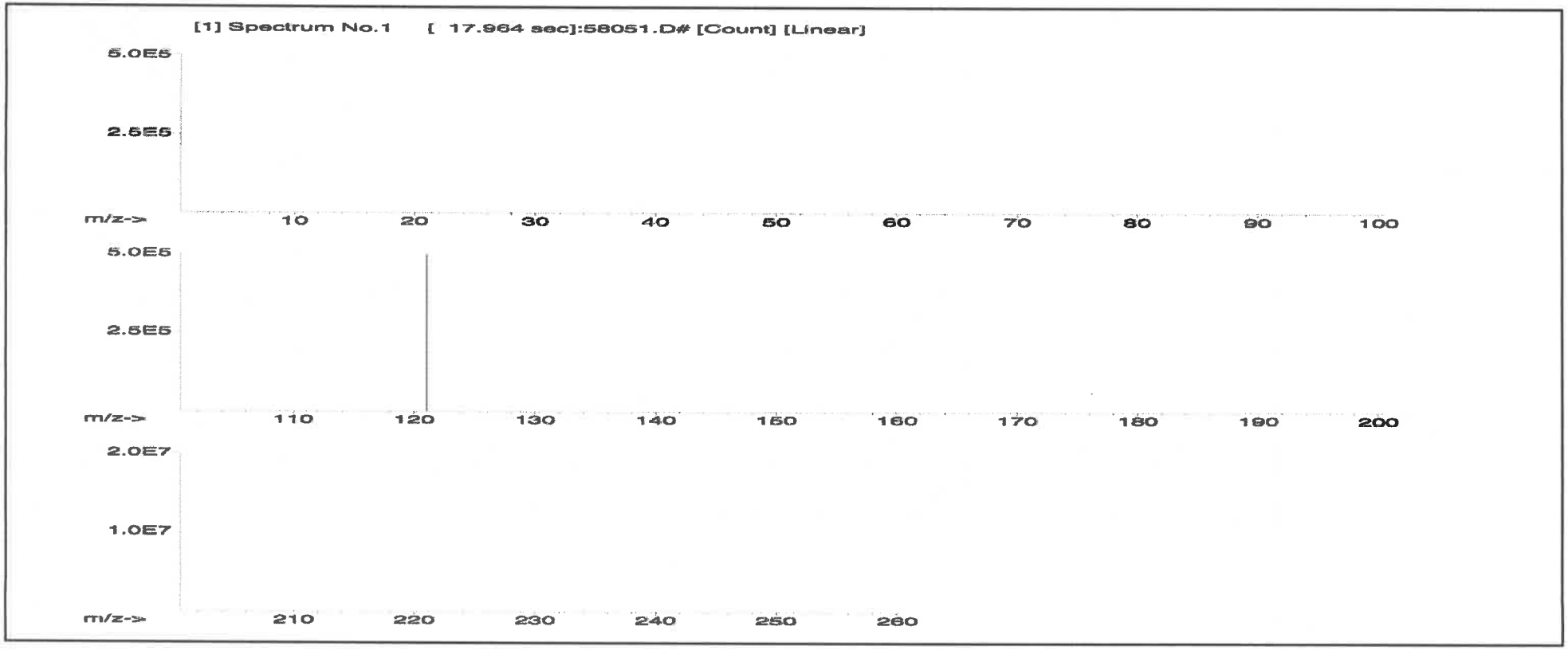
CERTIFIED WEIGHT REPORT:

| | | 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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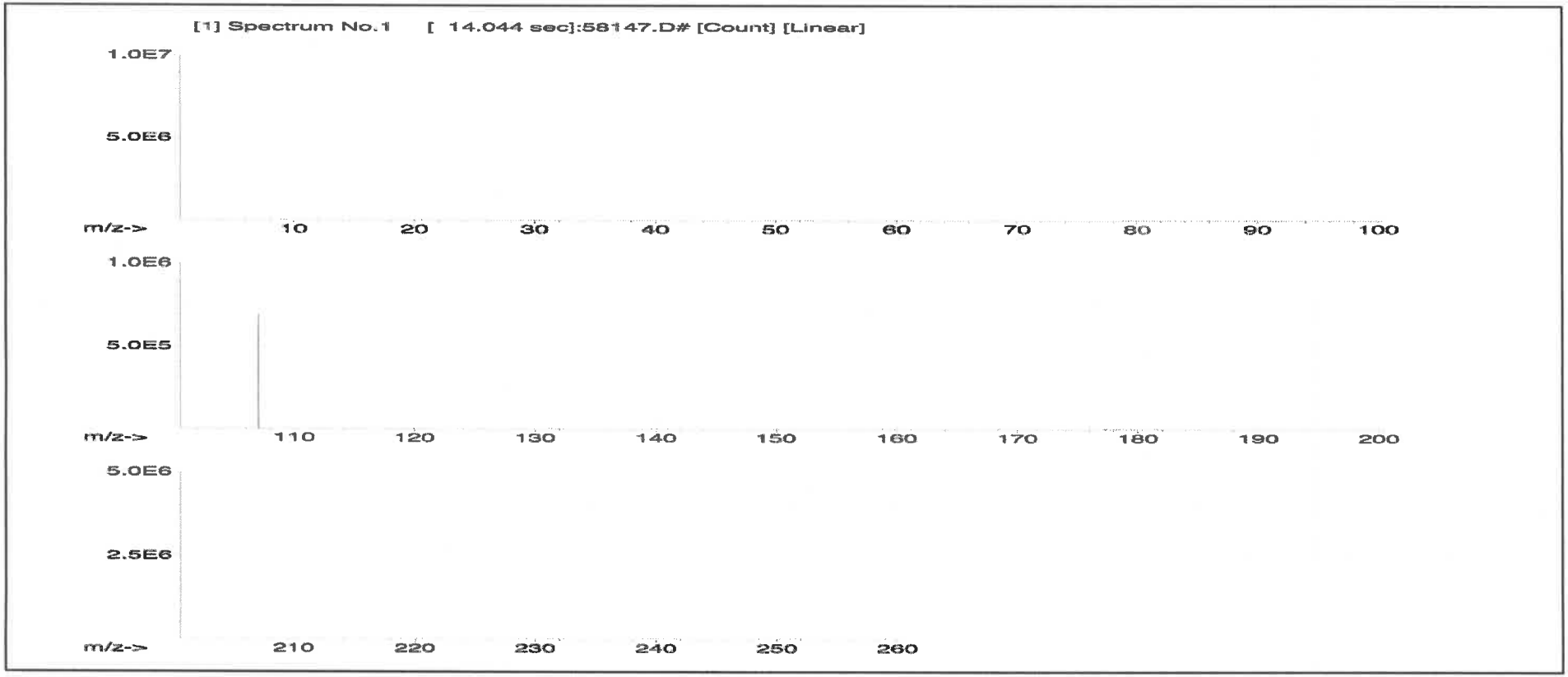
CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **57047** | | | **Lot #** | |
| **Lot Number:** | **122823** | **Solvent:** | 24002546 | Nitric Acid | |
| **Description:** | **Silver (Ag)** | | | | |
| | | 2% | 80.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 122826 | | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | | |
| **Weight shown below was diluted to (mL):** | 4000.30 | 0.058 | Flask 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.
* 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.
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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R: 03/16/23 M5473, M5474, M5475, M5476

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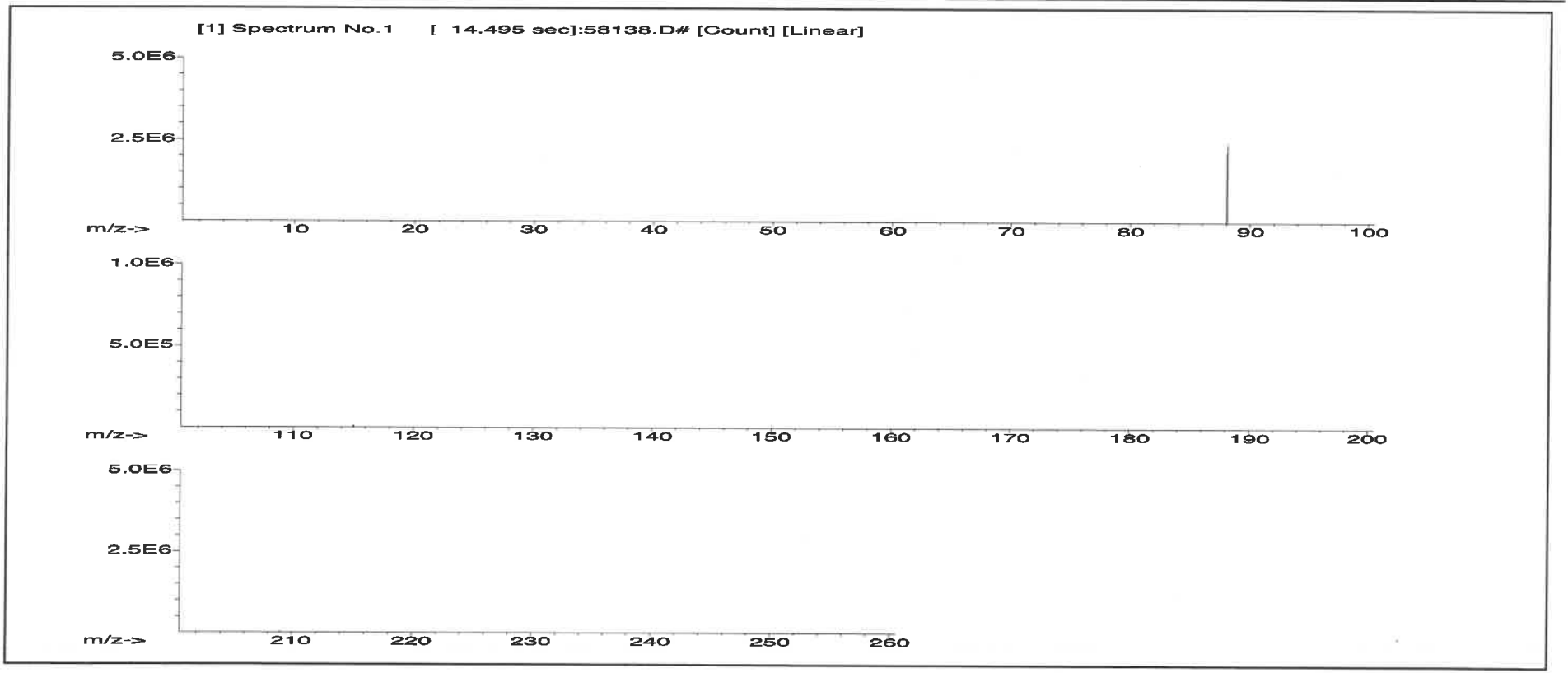
CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **56138** | | **Lot #** | | |
| **Lot Number:** | **082922** | **Solvent:** | 20510011 | Nitric Acid | |
| **Description:** | **Strontium (Sr)** | 2% | 20.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 082925 | | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | | |
| **Nominal Concentration (µg/mL):** | **10000** | | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | | |
| **Weight shown below was diluted to (mL):** | 1000.12 | 0.058 | Flask Uncertainty | | |

| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 082922 |
| Reviewed By: | Pedro L. 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 |



**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.
* 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***

M6023

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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R ! 8/5/24

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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 | | |

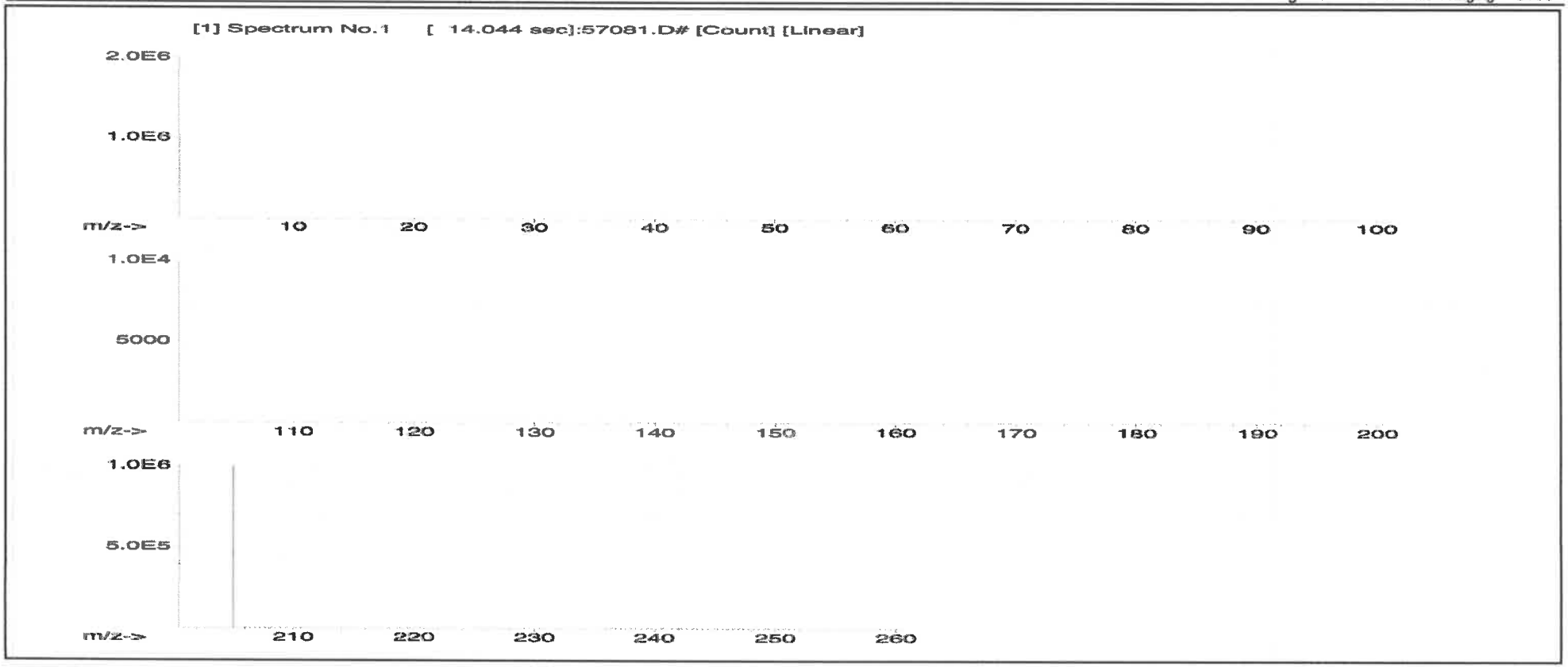
Aleah O'Brady

| | | |
|---|---|---|
| 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.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

M6021

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Rc. 8/5/24

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CERTIFIED WEIGHT REPORT:

| | | Lot # | Solvent: | |
|---|---|---|---|---|
| **Part Number:** | **57023** | 24002546 | Nitric Acid | |
| **Lot Number:** | **062424** | | | |
| **Description:** | **Vanadium (V)** | | | |
| | | 2.0% | 40.0 (mL) | Nitric Acid |
| **Expiration Date:** | 062427 | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | |
| **Volume shown below was diluted to (mL):** | 2000.3 | 0.06 | Flask Uncertainty | |

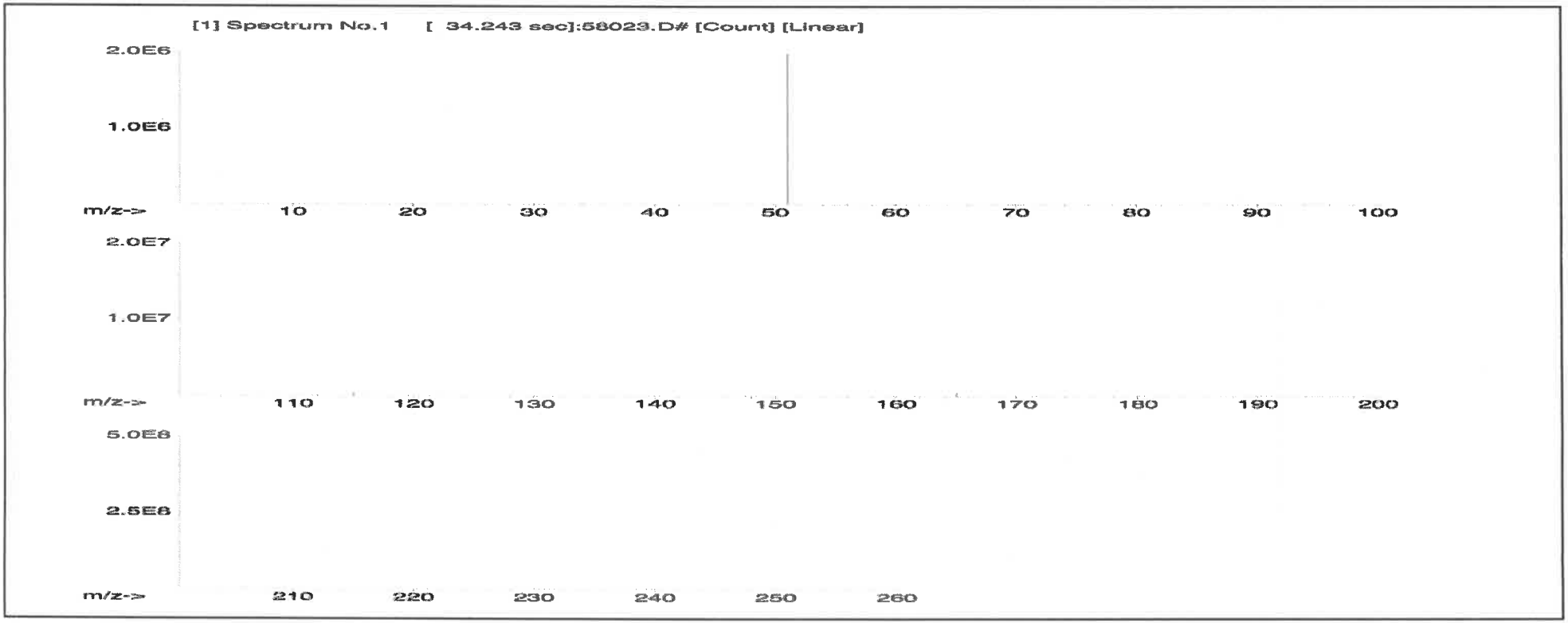
Aleah O'Brady

| Formulated By: | Aleah O'Brady | 062424 |
|---|---|---|

Pedro Rentas

| Reviewed By: | Pedro L. Rentas | 062424 |
|---|---|---|

| Compound | Part Number | Lot Number | Dilution Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Nominal Conc. (µg/mL) | Initial Conc. (µg/mL) | Final Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Ammonium metavanadate (V) | 58123 | 021224 | 0.1000 | 200.0 | 0.084 | 1000 | 10000.3 | **1000.0** | **2.2** | 7803-55-6 | 0.05 mg/m3 | orl-rat 58.1mg/kg | 3165 |



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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 | 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:**

**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.
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Alliance TECHNICAL GROUP

**Soil/Sludge Metals Preparation Sheet**

PB164350

**SOP ID :** M3050B-Digestion-20, MSFAM01.1-Trace Metals-2

**SDG No :** MYE470

**Matrix :** SOIL

**Pippete ID:** ICP A

**Balance ID :** M SC-2

**Filter paper ID :** N/A

**pH Strip ID :** N/A

**Hood ID :** #3

**Block ID:** 1. HOT BLOCK #5 2. N/A

**Start Digest Date:** 10/23/2024 **Time :** 12:30 **Temp :** 97 °C

**End Digest Date:** 10/23/2024 **Time :** 15:30 **Temp :** 97 °C

**Digestion tube ID:** M6054

**Block thermometer ID:** MET-DIG. #5

**Dig Technician Signature:** JSP

**Supervisor Signature:**

**Temp :** 1. 95°C 2. N/A

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| LCSS | 1.00 | MP82711 |
| LCSSD | 0.50 | MP82711 |
| Spike Sol 6 | 2.00 | MP82731 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| 1:1 HNO3 | 10.00 | MP81119 |
| 1:1 HCL | 5.00 | MP82127 |
| Conc. HNO3 | 5.00 | M6096 |
| 30% H2O2 | 3.00 | M5634 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

**Extraction Conformance/Non-Conformance Comments:**

HOT BLOCK #5 Cell #34 Temp : 97 C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 10/28/24 15:40 | JSP / Met dig | (Metals lab) |
| | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

**Soil/Sludge Metals Preparation Sheet**

**PB164350**

| Lab Sample ID | Client Sample ID | pH | Initial Weight (g) | Final Vol (ml) | Color Before | Color After | Texture | Artifact | Comment | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| P4479-01 | MYE470 | N/A | 1.32 | 100 | Brown | Yellow | Medium | N/A | N/A | 1 |
| P4479-02 | MYE471 | N/A | 1.46 | 100 | Brown | Yellow | Medium | N/A | N/A | 2 |
| P4479-03 | MYE472 | N/A | 1.21 | 100 | Brown | Yellow | Medium | N/A | N/A | 3 |
| P4479-04 | MYE473 | N/A | 1.18 | 100 | Brown | Yellow | Medium | N/A | N/A | 4 |
| P4479-05 | MYE474 | N/A | 1.16 | 100 | Brown | Yellow | Medium | N/A | N/A | 5 |
| P4479-06 | MYE475 | N/A | 1.08 | 100 | Brown | Yellow | Medium | N/A | N/A | 6 |
| P4479-07 | MYE476 | N/A | 1.43 | 100 | Brown | Yellow | Medium | N/A | N/A | 7 |
| P4479-08 | MYE477 | N/A | 1.24 | 100 | Brown | Yellow | Medium | N/A | N/A | 8 |
| P4479-09 | MYE478 | N/A | 1.26 | 100 | Brown | Yellow | Medium | N/A | N/A | 9 |
| P4479-10 | MYE479 | N/A | 1.30 | 100 | Brown | Yellow | Medium | N/A | N/A | 10 |
| P4479-11 | MYE480 | N/A | 1.13 | 100 | Brown | Yellow | Medium | N/A | N/A | 11 |
| P4479-12 | MYE481 | N/A | 1.19 | 100 | Brown | Yellow | Medium | N/A | N/A | 12 |
| P4479-13 | MYE481D | N/A | 1.32 | 100 | Brown | Yellow | Medium | N/A | N/A | 14 |
| P4479-14 | MYE481S | N/A | 1.14 | 100 | Brown | Yellow | Medium | N/A | MP82731 | 29 |
| P4479-15 | MYE482 | N/A | 1.17 | 100 | Brown | Yellow | Medium | N/A | N/A | 16 |
| P4479-16 | MYE483 | N/A | 1.39 | 100 | Brown | Yellow | Medium | N/A | N/A | 17 |
| P4479-17 | MYE484 | N/A | 1.28 | 100 | Brown | Yellow | Medium | N/A | N/A | 18 |
| P4479-18 | MYE485 | N/A | 1.23 | 100 | Brown | Yellow | Medium | N/A | N/A | 19 |
| P4479-19 | MYE486 | N/A | 1.33 | 100 | Brown | Yellow | Medium | N/A | N/A | 20 |
| P4479-20 | MYE487 | N/A | 1.26 | 100 | Brown | Yellow | Medium | N/A | N/A | 21 |
| P4479-21 | MYE488 | N/A | 1.09 | 100 | Brown | Yellow | Medium | N/A | N/A | 22 |
| P4479-22 | MYE489 | N/A | 1.17 | 100 | Brown | Yellow | Medium | N/A | N/A | 23 |
| PB164350BL | PBS350 | N/A | 1.00 | 100 | Colorless | Colorless | Fine | N/A | N/A | 24 |
| PB164350BS | LCS350 | N/A | 1.00 | 100 | Colorless | Colorless | Fine | N/A | MP82711 | 27 |
| PB164350BSD | LCSD350 | N/A | 1.00 | 100 | Colorless | Colorless | Fine | N/A | MP82711 | 28 |

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

**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB133149

| | | | |
|---|---|---|---|
| Review By | Sarabjit Jaswal | Review On | 11/5/2024 7:52:29 AM |
| Supervise By | Mohan Bera | Supervise On | 11/5/2024 7:53:12 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP82441,MP82632,MP82446,MP82445,MP82444,MP82443,MP82442 |
| ICV Standard | MP82450 |
| CCV Standard | MP82453 |
| ICSA Standard | MP82451,MP82452 |
| CRI Standard | |
| LCS Standard | MP82711 |
| Chk Standard | MP82455,MP82456 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | S0 | S0 | CAL1 | 10/26/24 18:18 | | Kareem | OK |
| 2 | S1 | S01 | CAL2 | 10/26/24 18:23 | | Kareem | OK |
| 3 | S2 | S02 | CAL3 | 10/26/24 18:27 | | Kareem | OK |
| 4 | S3 | S03 | CAL4 | 10/26/24 18:32 | | Kareem | OK |
| 5 | S4 | S04 | CAL5 | 10/26/24 18:36 | | Kareem | OK |
| 6 | S5 | S05 | CAL6 | 10/26/24 18:40 | | Kareem | OK |
| 7 | S6 | S06 | CAL7 | 10/26/24 18:45 | | Kareem | OK |
| 8 | ICV002 | ICV002 | ICV | 10/26/24 19:13 | Inst. paused for calibration review | Kareem | OK |
| 9 | ICB002 | ICB002 | ICB | 10/26/24 19:19 | Inst. paused for review | Kareem | OK |
| 10 | ICSA002 | ICSA002 | ICSA | 10/26/24 19:23 | | Kareem | OK |
| 11 | ICSAB002 | ICSAB002 | ICSAB | 10/26/24 19:37 | Inst. paused for review | Kareem | OK |
| 12 | CCV005 | CCV005 | CCV | 10/26/24 20:07 | Inst. paused for review | Kareem | OK |
| 13 | CCB005 | CCB005 | CCB | 10/26/24 20:12 | | Kareem | OK |
| 14 | P4477-01DL | MYE450 | SAM | 10/26/24 20:17 | | Kareem | OK |
| 15 | P4477-02DL | MYE451 | SAM | 10/26/24 20:21 | | Kareem | OK |
| 16 | P4477-03DL | MYE452 | SAM | 10/26/24 20:25 | | Kareem | OK |
| 17 | P4477-04DL | MYE453 | SAM | 10/26/24 20:30 | | Kareem | OK |
| 18 | CCV006 | CCV006 | CCV | 10/26/24 20:34 | | Kareem | OK |

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

**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB133149

| | | | |
|---|---|---|---|
| Review By | Sarabjit Jaswal | Review On | 11/5/2024 7:52:29 AM |
| Supervise By | Mohan Bera | Supervise On | 11/5/2024 7:53:12 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP82441,MP82632,MP82446,MP82445,MP82444,MP82443,MP82442 |
| ICV Standard | MP82450 |
| CCV Standard | MP82453 |
| ICSA Standard | MP82451,MP82452 |
| CRI Standard | |
| LCS Standard | MP82711 |
| Chk Standard | MP82455,MP82456 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | CCB006 | CCB006 | CCB | 10/26/24 20:38 | | Kareem | OK |
| 20 | P4477-05DL | MYE453D | DUP | 10/26/24 20:43 | | Kareem | OK |
| 21 | P4477-06DL | MYE453S | MS | 10/26/24 20:47 | | Kareem | OK |
| 22 | P4477-04LDL | MYE453L | SD | 10/26/24 20:52 | | Kareem | OK |
| 23 | P4477-07DL | MYE454 | SAM | 10/26/24 20:56 | | Kareem | OK |
| 24 | P4477-08DL | MYE455 | SAM | 10/26/24 21:01 | | Kareem | OK |
| 25 | P4477-09DL | MYE456 | SAM | 10/26/24 21:05 | | Kareem | OK |
| 26 | P4477-10DL | MYE457 | SAM | 10/26/24 21:09 | | Kareem | OK |
| 27 | P4477-11DL | MYE458 | SAM | 10/26/24 21:14 | | Kareem | OK |
| 28 | P4477-12DL | MYE459 | SAM | 10/26/24 21:18 | | Kareem | OK |
| 29 | P4477-13DL | MYE460 | SAM | 10/26/24 21:23 | | Kareem | OK |
| 30 | P4477-14DL | MYE461 | SAM | 10/26/24 21:27 | | Kareem | OK |
| 31 | P4477-15DL | MYE462 | SAM | 10/26/24 21:31 | | Kareem | OK |
| 32 | P4477-16DL | MYE463 | SAM | 10/26/24 21:36 | | Kareem | OK |
| 33 | P4477-17DL | MYE464 | SAM | 10/26/24 21:40 | | Kareem | OK |
| 34 | P4477-18DL | MYE465 | SAM | 10/26/24 21:45 | | Kareem | OK |
| 35 | P4477-19DL | MYE466 | SAM | 10/26/24 21:49 | | Kareem | OK |
| 36 | CCV007 | CCV007 | CCV | 10/26/24 21:53 | | Kareem | OK |
| 37 | CCB007 | CCB007 | CCB | 10/26/24 21:58 | | Kareem | OK |
| 38 | P4477-20DL | MYE467 | SAM | 10/26/24 22:02 | | Kareem | OK |

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

**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB133149

| | | | |
|---|---|---|---|
| Review By | Sarabjit Jaswal | Review On | 11/5/2024 7:52:29 AM |
| Supervise By | Mohan Bera | Supervise On | 11/5/2024 7:53:12 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP82441,MP82632,MP82446,MP82445,MP82444,MP82443,MP82442 |
| ICV Standard | MP82450 |
| CCV Standard | MP82453 |
| ICSA Standard | MP82451,MP82452 |
| CRI Standard | |
| LCS Standard | MP82711 |
| Chk Standard | MP82455,MP82456 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 39 | P4477-21DL | MYE468 | SAM | 10/26/24 22:07 | | Kareem | OK |
| 40 | P4477-22DL | MYE469 | SAM | 10/26/24 22:11 | | Kareem | OK |
| 41 | PB164346BL | PBS346 | MB | 10/26/24 22:15 | | Kareem | OK |
| 42 | PB164346BS | LCS346 | LCS | 10/26/24 22:20 | | Kareem | OK |
| 43 | PB164346BSD | LCSD346 | LCSD | 10/26/24 22:24 | | Kareem | OK |
| 44 | P4479-01DL | MYE470 | SAM | 10/26/24 22:29 | | Kareem | OK |
| 45 | P4479-02DL | MYE471 | SAM | 10/26/24 22:33 | | Kareem | OK |
| 46 | P4479-03DL | MYE472 | SAM | 10/26/24 22:38 | | Kareem | OK |
| 47 | P4479-04DL | MYE473 | SAM | 10/26/24 22:42 | | Kareem | OK |
| 48 | P4479-05DL | MYE474 | SAM | 10/26/24 22:47 | | Kareem | OK |
| 49 | P4479-06DL | MYE475 | SAM | 10/26/24 22:51 | | Kareem | OK |
| 50 | P4479-07DL | MYE476 | SAM | 10/26/24 22:55 | | Kareem | OK |
| 51 | P4479-08DL | MYE477 | SAM | 10/26/24 23:00 | | Kareem | OK |
| 52 | P4479-09DL | MYE478 | SAM | 10/26/24 23:04 | | Kareem | OK |
| 53 | P4479-10DL | MYE479 | SAM | 10/26/24 23:09 | | Kareem | OK |
| 54 | P4479-11DL | MYE480 | SAM | 10/26/24 23:13 | | Kareem | OK |
| 55 | P4479-12DL | MYE481 | SAM | 10/26/24 23:18 | | Kareem | OK |
| 56 | P4479-13DL | MYE481D | DUP | 10/26/24 23:22 | | Kareem | OK |
| 57 | P4479-14DL | MYE481S | MS | 10/26/24 23:26 | | Kareem | OK |
| 58 | CCV008 | CCV008 | CCV | 10/26/24 23:31 | | Kareem | OK |

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

**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB133149

| | | | |
|---|---|---|---|
| Review By | Sarabjit Jaswal | Review On | 11/5/2024 7:52:29 AM |
| Supervise By | Mohan Bera | Supervise On | 11/5/2024 7:53:12 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP82441,MP82632,MP82446,MP82445,MP82444,MP82443,MP82442 |
| ICV Standard | MP82450 |
| CCV Standard | MP82453 |
| ICSA Standard | MP82451,MP82452 |
| CRI Standard | |
| LCS Standard | MP82711 |
| Chk Standard | MP82455,MP82456 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 59 | CCB008 | CCB008 | CCB | 10/26/24 23:35 | | Kareem | OK |
| 60 | P4479-12LDL | MYE481L | SD | 10/26/24 23:39 | | Kareem | OK |
| 61 | P4479-15DL | MYE482 | SAM | 10/26/24 23:44 | | Kareem | OK |
| 62 | P4479-16DL | MYE483 | SAM | 10/26/24 23:48 | | Kareem | OK |
| 63 | P4479-17DL | MYE484 | SAM | 10/26/24 23:53 | | Kareem | OK |
| 64 | P4479-18DL | MYE485 | SAM | 10/26/24 23:57 | | Kareem | OK |
| 65 | P4479-19DL | MYE486 | SAM | 10/27/24 00:02 | | Kareem | OK |
| 66 | P4479-20DL | MYE487 | SAM | 10/27/24 00:06 | | Kareem | OK |
| 67 | P4479-21DL | MYE488 | SAM | 10/27/24 00:10 | | Kareem | OK |
| 68 | P4479-22DL | MYE489 | SAM | 10/27/24 00:15 | | Kareem | OK |
| 69 | PB164350BL | PBS350 | MB | 10/27/24 00:19 | | Kareem | OK |
| 70 | PB164350BS | LCS350 | LCS | 10/27/24 00:24 | | Kareem | OK |
| 71 | PB164350BSD | LCSD350 | LCSD | 10/27/24 00:28 | | Kareem | OK |
| 72 | CCV009 | CCV009 | CCV | 10/27/24 00:39 | | Kareem | OK |
| 73 | CCB009 | CCB009 | CCB | 10/27/24 00:43 | | Kareem | OK |

EPA SAMPLE NO.

MYE470

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-01

% Solids: 96 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.84 | | 10/30/2024 | 1638 |
| 7440-38-2 | Arsenic | 45 | | 10/30/2024 | 1638 |
| 7440-39-3 | Barium | 180 | | 10/30/2024 | 1638 |
| 7440-41-7 | Beryllium | 0.66 | | 10/30/2024 | 1638 |
| 7440-43-9 | Cadmium | 0.68 | | 10/30/2024 | 1638 |
| 7440-47-3 | Chromium | 40 | | 10/30/2024 | 1638 |
| 7440-48-4 | Cobalt | 20 | | 10/30/2024 | 1638 |
| 7440-50-8 | Copper | 100 | | 10/30/2024 | 1638 |
| 7439-92-1 | Lead | 25 | | 10/30/2024 | 1638 |
| 7440-02-0 | Nickel | 38 | | 10/30/2024 | 1638 |
| 7782-49-2 | Selenium | 0.59 | J | 10/30/2024 | 1638 |
| 7440-22-4 | Silver | 0.22 | J* | 10/30/2024 | 1638 |
| 7440-28-0 | Thallium | 0.14 | J | 10/30/2024 | 1638 |
| 7440-62-2 | Vanadium | 72 | | 10/30/2024 | 1638 |
| 7440-66-6 | Zinc | 100 | | 10/30/2024 | 1638 |

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

Comments:

EPA SAMPLE NO.

MYE471

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-02

% Solids: 95.5 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.39 | J | 10/30/2024 | 1641 |
| 7440-38-2 | Arsenic | 29 | | 10/30/2024 | 1641 |
| 7440-39-3 | Barium | 210 | | 10/30/2024 | 1641 |
| 7440-41-7 | Beryllium | 0.68 | | 10/30/2024 | 1641 |
| 7440-43-9 | Cadmium | 0.36 | | 10/30/2024 | 1641 |
| 7440-47-3 | Chromium | 39 | | 10/30/2024 | 1641 |
| 7440-48-4 | Cobalt | 18 | | 10/30/2024 | 1641 |
| 7440-50-8 | Copper | 62 | | 10/30/2024 | 1641 |
| 7439-92-1 | Lead | 13 | | 10/30/2024 | 1641 |
| 7440-02-0 | Nickel | 33 | | 10/30/2024 | 1641 |
| 7782-49-2 | Selenium | 0.36 | J | 10/30/2024 | 1641 |
| 7440-22-4 | Silver | 0.12 | J* | 10/30/2024 | 1641 |
| 7440-28-0 | Thallium | 0.14 | J | 10/30/2024 | 1641 |
| 7440-62-2 | Vanadium | 63 | | 10/30/2024 | 1641 |
| 7440-66-6 | Zinc | 84 | | 10/30/2024 | 1641 |

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

Comments:

EPA SAMPLE NO.

MYE472

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-03

% Solids: 94.5 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.88 | | 10/30/2024 | 1644 |
| 7440-38-2 | Arsenic | 64 | | 10/30/2024 | 1644 |
| 7440-39-3 | Barium | 470 | | 10/30/2024 | 1644 |
| 7440-41-7 | Beryllium | 0.92 | | 10/30/2024 | 1644 |
| 7440-43-9 | Cadmium | 0.41 | J | 10/30/2024 | 1644 |
| 7440-47-3 | Chromium | 48 | | 10/30/2024 | 1644 |
| 7440-48-4 | Cobalt | 21 | | 10/30/2024 | 1644 |
| 7440-50-8 | Copper | 70 | | 10/30/2024 | 1644 |
| 7439-92-1 | Lead | 15 | | 10/30/2024 | 1644 |
| 7440-02-0 | Nickel | 53 | | 10/30/2024 | 1644 |
| 7782-49-2 | Selenium | 0.31 | J | 10/30/2024 | 1644 |
| 7440-22-4 | Silver | 0.12 | J* | 10/30/2024 | 1644 |
| 7440-28-0 | Thallium | 0.13 | J | 10/30/2024 | 1644 |
| 7440-62-2 | Vanadium | 88 | | 10/30/2024 | 1644 |
| 7440-66-6 | Zinc | 87 | | 10/30/2024 | 1644 |

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

Comments:

EPA SAMPLE NO.

MYE473

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-04

% Solids: 96.1 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.78 | J | 10/30/2024 | 1647 |
| 7440-38-2 | Arsenic | 47 | | 10/30/2024 | 1647 |
| 7440-39-3 | Barium | 200 | | 10/30/2024 | 1647 |
| 7440-41-7 | Beryllium | 0.66 | | 10/30/2024 | 1647 |
| 7440-43-9 | Cadmium | 0.91 | | 10/30/2024 | 1647 |
| 7440-47-3 | Chromium | 43 | | 10/30/2024 | 1647 |
| 7440-48-4 | Cobalt | 20 | | 10/30/2024 | 1647 |
| 7440-50-8 | Copper | 150 | | 10/30/2024 | 1647 |
| 7439-92-1 | Lead | 32 | | 10/30/2024 | 1647 |
| 7440-02-0 | Nickel | 39 | | 10/30/2024 | 1647 |
| 7782-49-2 | Selenium | 0.78 | J | 10/30/2024 | 1647 |
| 7440-22-4 | Silver | 0.35 | J* | 10/30/2024 | 1647 |
| 7440-28-0 | Thallium | 0.15 | J | 10/30/2024 | 1647 |
| 7440-62-2 | Vanadium | 74 | | 10/30/2024 | 1647 |
| 7440-66-6 | Zinc | 130 | | 10/30/2024 | 1647 |

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

Comments:

EPA SAMPLE NO.

MYE474

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-05

% Solids: 95.4 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.94 | | 10/30/2024 | 1650 |
| 7440-38-2 | Arsenic | 42 | | 10/30/2024 | 1650 |
| 7440-39-3 | Barium | 200 | | 10/30/2024 | 1650 |
| 7440-41-7 | Beryllium | 0.71 | | 10/30/2024 | 1650 |
| 7440-43-9 | Cadmium | 0.66 | | 10/30/2024 | 1650 |
| 7440-47-3 | Chromium | 43 | | 10/30/2024 | 1650 |
| 7440-48-4 | Cobalt | 19 | | 10/30/2024 | 1650 |
| 7440-50-8 | Copper | 110 | | 10/30/2024 | 1650 |
| 7439-92-1 | Lead | 24 | | 10/30/2024 | 1650 |
| 7440-02-0 | Nickel | 38 | | 10/30/2024 | 1650 |
| 7782-49-2 | Selenium | 0.68 | J | 10/30/2024 | 1650 |
| 7440-22-4 | Silver | 0.24 | J* | 10/30/2024 | 1650 |
| 7440-28-0 | Thallium | 0.14 | J | 10/30/2024 | 1650 |
| 7440-62-2 | Vanadium | 73 | | 10/30/2024 | 1650 |
| 7440-66-6 | Zinc | 110 | | 10/30/2024 | 1650 |

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

Comments:

EPA SAMPLE NO.

MYE475

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-06

% Solids: 93.5 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.59 | J | 10/30/2024 | 1653 |
| 7440-38-2 | Arsenic | 37 | | 10/30/2024 | 1653 |
| 7440-39-3 | Barium | 230 | | 10/30/2024 | 1653 |
| 7440-41-7 | Beryllium | 0.81 | | 10/30/2024 | 1653 |
| 7440-43-9 | Cadmium | 0.48 | J | 10/30/2024 | 1653 |
| 7440-47-3 | Chromium | 45 | | 10/30/2024 | 1653 |
| 7440-48-4 | Cobalt | 21 | | 10/30/2024 | 1653 |
| 7440-50-8 | Copper | 85 | | 10/30/2024 | 1653 |
| 7439-92-1 | Lead | 19 | | 10/30/2024 | 1653 |
| 7440-02-0 | Nickel | 39 | | 10/30/2024 | 1653 |
| 7782-49-2 | Selenium | 0.40 | J | 10/30/2024 | 1653 |
| 7440-22-4 | Silver | 0.20 | J* | 10/30/2024 | 1653 |
| 7440-28-0 | Thallium | 0.15 | J | 10/30/2024 | 1653 |
| 7440-62-2 | Vanadium | 71 | | 10/30/2024 | 1653 |
| 7440-66-6 | Zinc | 100 | | 10/30/2024 | 1653 |

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

Comments:

EPA SAMPLE NO.

MYE476

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-07

% Solids: 95.3 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.68 | J | 10/30/2024 | 1703 |
| 7440-38-2 | Arsenic | 35 | | 10/30/2024 | 1703 |
| 7440-39-3 | Barium | 210 | | 10/30/2024 | 1703 |
| 7440-41-7 | Beryllium | 0.76 | | 10/30/2024 | 1703 |
| 7440-43-9 | Cadmium | 0.53 | | 10/30/2024 | 1703 |
| 7440-47-3 | Chromium | 42 | | 10/30/2024 | 1703 |
| 7440-48-4 | Cobalt | 19 | | 10/30/2024 | 1703 |
| 7440-50-8 | Copper | 90 | | 10/30/2024 | 1703 |
| 7439-92-1 | Lead | 19 | | 10/30/2024 | 1703 |
| 7440-02-0 | Nickel | 35 | | 10/30/2024 | 1703 |
| 7782-49-2 | Selenium | 0.60 | J | 10/30/2024 | 1703 |
| 7440-22-4 | Silver | 0.21 | J* | 10/30/2024 | 1703 |
| 7440-28-0 | Thallium | 0.17 | J | 10/30/2024 | 1703 |
| 7440-62-2 | Vanadium | 68 | | 10/30/2024 | 1703 |
| 7440-66-6 | Zinc | 100 | | 10/30/2024 | 1703 |

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

Comments:

EPA SAMPLE NO.

MYE477

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-08

% Solids: 96.2 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 1.1 | | 10/30/2024 | 1706 |
| 7440-38-2 | Arsenic | 49 | | 10/30/2024 | 1706 |
| 7440-39-3 | Barium | 210 | | 10/30/2024 | 1706 |
| 7440-41-7 | Beryllium | 0.74 | | 10/30/2024 | 1706 |
| 7440-43-9 | Cadmium | 1.3 | | 10/30/2024 | 1706 |
| 7440-47-3 | Chromium | 41 | | 10/30/2024 | 1706 |
| 7440-48-4 | Cobalt | 18 | | 10/30/2024 | 1706 |
| 7440-50-8 | Copper | 170 | | 10/30/2024 | 1706 |
| 7439-92-1 | Lead | 37 | | 10/30/2024 | 1706 |
| 7440-02-0 | Nickel | 38 | | 10/30/2024 | 1706 |
| 7782-49-2 | Selenium | 0.68 | J | 10/30/2024 | 1706 |
| 7440-22-4 | Silver | 0.50 | * | 10/30/2024 | 1706 |
| 7440-28-0 | Thallium | 0.17 | J | 10/30/2024 | 1706 |
| 7440-62-2 | Vanadium | 69 | | 10/30/2024 | 1706 |
| 7440-66-6 | Zinc | 140 | | 10/30/2024 | 1706 |

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

Comments:

EPA SAMPLE NO.

MYE478

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-09

% Solids: 96.2 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.99 | | 10/30/2024 | 1709 |
| 7440-38-2 | Arsenic | 52 | | 10/30/2024 | 1709 |
| 7440-39-3 | Barium | 230 | | 10/30/2024 | 1709 |
| 7440-41-7 | Beryllium | 0.74 | | 10/30/2024 | 1709 |
| 7440-43-9 | Cadmium | 1.2 | | 10/30/2024 | 1709 |
| 7440-47-3 | Chromium | 41 | | 10/30/2024 | 1709 |
| 7440-48-4 | Cobalt | 20 | | 10/30/2024 | 1709 |
| 7440-50-8 | Copper | 170 | | 10/30/2024 | 1709 |
| 7439-92-1 | Lead | 39 | | 10/30/2024 | 1709 |
| 7440-02-0 | Nickel | 42 | | 10/30/2024 | 1709 |
| 7782-49-2 | Selenium | 0.76 | J | 10/30/2024 | 1709 |
| 7440-22-4 | Silver | 0.44 | * | 10/30/2024 | 1709 |
| 7440-28-0 | Thallium | 0.17 | J | 10/30/2024 | 1709 |
| 7440-62-2 | Vanadium | 70 | | 10/30/2024 | 1709 |
| 7440-66-6 | Zinc | 140 | | 10/30/2024 | 1709 |

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

Comments:

EPA SAMPLE NO.

MYE479

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-10

% Solids: 95.7 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.67 | J | 10/30/2024 | 1712 |
| 7440-38-2 | Arsenic | 34 | | 10/30/2024 | 1712 |
| 7440-39-3 | Barium | 220 | | 10/30/2024 | 1712 |
| 7440-41-7 | Beryllium | 0.55 | | 10/30/2024 | 1712 |
| 7440-43-9 | Cadmium | 0.27 | J | 10/30/2024 | 1712 |
| 7440-47-3 | Chromium | 36 | | 10/30/2024 | 1712 |
| 7440-48-4 | Cobalt | 17 | | 10/30/2024 | 1712 |
| 7440-50-8 | Copper | 51 | | 10/30/2024 | 1712 |
| 7439-92-1 | Lead | 10 | | 10/30/2024 | 1712 |
| 7440-02-0 | Nickel | 37 | | 10/30/2024 | 1712 |
| 7782-49-2 | Selenium | 0.29 | J | 10/30/2024 | 1712 |
| 7440-22-4 | Silver | 0.080 | J* | 10/30/2024 | 1712 |
| 7440-28-0 | Thallium | 0.096 | J | 10/30/2024 | 1712 |
| 7440-62-2 | Vanadium | 68 | | 10/30/2024 | 1712 |
| 7440-66-6 | Zinc | 66 | | 10/30/2024 | 1712 |

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

Comments:

EPA SAMPLE NO.

MYE480

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-11

% Solids: 96.4 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 3.3 | | 10/30/2024 | 1715 |
| 7440-38-2 | Arsenic | 41 | | 10/30/2024 | 1715 |
| 7440-39-3 | Barium | 240 | | 10/30/2024 | 1715 |
| 7440-41-7 | Beryllium | 0.80 | | 10/30/2024 | 1715 |
| 7440-43-9 | Cadmium | 0.39 | J | 10/30/2024 | 1715 |
| 7440-47-3 | Chromium | 45 | | 10/30/2024 | 1715 |
| 7440-48-4 | Cobalt | 20 | | 10/30/2024 | 1715 |
| 7440-50-8 | Copper | 79 | | 10/30/2024 | 1715 |
| 7439-92-1 | Lead | 20 | | 10/30/2024 | 1715 |
| 7440-02-0 | Nickel | 42 | | 10/30/2024 | 1715 |
| 7782-49-2 | Selenium | 0.55 | J | 10/30/2024 | 1715 |
| 7440-22-4 | Silver | 0.17 | J* | 10/30/2024 | 1715 |
| 7440-28-0 | Thallium | 0.17 | J | 10/30/2024 | 1715 |
| 7440-62-2 | Vanadium | 75 | | 10/30/2024 | 1715 |
| 7440-66-6 | Zinc | 98 | | 10/30/2024 | 1715 |

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

Comments:

EPA SAMPLE NO.

MYE481

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-12

% Solids: 95.3 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.86 | J | 10/30/2024 | 1500 |
| 7440-38-2 | Arsenic | 54 | | 10/30/2024 | 1500 |
| 7440-39-3 | Barium | 240 | D | 10/30/2024 | 1906 |
| 7440-41-7 | Beryllium | 0.78 | | 10/30/2024 | 1500 |
| 7440-43-9 | Cadmium | 0.88 | | 10/30/2024 | 1500 |
| 7440-47-3 | Chromium | 47 | | 10/30/2024 | 1500 |
| 7440-48-4 | Cobalt | 23 | D | 10/30/2024 | 1906 |
| 7440-50-8 | Copper | 130 | | 10/30/2024 | 1500 |
| 7439-92-1 | Lead | 31 | | 10/30/2024 | 1500 |
| 7440-02-0 | Nickel | 46 | D | 10/30/2024 | 1906 |
| 7782-49-2 | Selenium | 0.41 | J | 10/30/2024 | 1500 |
| 7440-22-4 | Silver | 0.37 | J* | 10/30/2024 | 1500 |
| 7440-28-0 | Thallium | 0.19 | J | 10/30/2024 | 1500 |
| 7440-62-2 | Vanadium | 78 | D | 10/30/2024 | 1906 |
| 7440-66-6 | Zinc | 110 | | 10/30/2024 | 1500 |

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

Comments:

EPA SAMPLE NO.

MYE482

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-15

% Solids: 98.3 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.61 | J | 10/30/2024 | 1719 |
| 7440-38-2 | Arsenic | 21 | | 10/30/2024 | 1719 |
| 7440-39-3 | Barium | 170 | | 10/30/2024 | 1719 |
| 7440-41-7 | Beryllium | 0.42 | J | 10/30/2024 | 1719 |
| 7440-43-9 | Cadmium | 0.23 | J | 10/30/2024 | 1719 |
| 7440-47-3 | Chromium | 27 | | 10/30/2024 | 1719 |
| 7440-48-4 | Cobalt | 12 | | 10/30/2024 | 1719 |
| 7440-50-8 | Copper | 39 | | 10/30/2024 | 1719 |
| 7439-92-1 | Lead | 11 | | 10/30/2024 | 1719 |
| 7440-02-0 | Nickel | 37 | | 10/30/2024 | 1719 |
| 7782-49-2 | Selenium | 2.2 | U | 10/30/2024 | 1719 |
| 7440-22-4 | Silver | 0.065 | J* | 10/30/2024 | 1719 |
| 7440-28-0 | Thallium | 0.11 | J | 10/30/2024 | 1719 |
| 7440-62-2 | Vanadium | 50 | | 10/30/2024 | 1719 |
| 7440-66-6 | Zinc | 78 | | 10/30/2024 | 1719 |

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

Comments:

EPA SAMPLE NO.

MYE483

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-16

% Solids: 97.2 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 1.2 | | 10/30/2024 | 1722 |
| 7440-38-2 | Arsenic | 82 | | 10/30/2024 | 1722 |
| 7440-39-3 | Barium | 400 | | 10/30/2024 | 1722 |
| 7440-41-7 | Beryllium | 0.67 | | 10/30/2024 | 1722 |
| 7440-43-9 | Cadmium | 0.82 | | 10/30/2024 | 1722 |
| 7440-47-3 | Chromium | 41 | | 10/30/2024 | 1722 |
| 7440-48-4 | Cobalt | 23 | | 10/30/2024 | 1722 |
| 7440-50-8 | Copper | 110 | | 10/30/2024 | 1722 |
| 7439-92-1 | Lead | 33 | | 10/30/2024 | 1722 |
| 7440-02-0 | Nickel | 40 | | 10/30/2024 | 1722 |
| 7782-49-2 | Selenium | 0.40 | J | 10/30/2024 | 1722 |
| 7440-22-4 | Silver | 0.21 | J* | 10/30/2024 | 1722 |
| 7440-28-0 | Thallium | 0.17 | J | 10/30/2024 | 1722 |
| 7440-62-2 | Vanadium | 93 | | 10/30/2024 | 1722 |
| 7440-66-6 | Zinc | 110 | | 10/30/2024 | 1722 |

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

Comments:

EPA SAMPLE NO.

MYE484

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-17

% Solids: 95.8 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.64 | J | 10/30/2024 | 1725 |
| 7440-38-2 | Arsenic | 28 | | 10/30/2024 | 1725 |
| 7440-39-3 | Barium | 120 | | 10/30/2024 | 1725 |
| 7440-41-7 | Beryllium | 0.36 | J | 10/30/2024 | 1725 |
| 7440-43-9 | Cadmium | 0.17 | J | 10/30/2024 | 1725 |
| 7440-47-3 | Chromium | 100 | | 10/30/2024 | 1725 |
| 7440-48-4 | Cobalt | 47 | | 10/30/2024 | 1725 |
| 7440-50-8 | Copper | 130 | | 10/30/2024 | 1725 |
| 7439-92-1 | Lead | 5.9 | | 10/30/2024 | 1725 |
| 7440-02-0 | Nickel | 85 | | 10/30/2024 | 1725 |
| 7782-49-2 | Selenium | 0.47 | J | 10/30/2024 | 1725 |
| 7440-22-4 | Silver | 0.073 | J* | 10/30/2024 | 1725 |
| 7440-28-0 | Thallium | 0.049 | J | 10/30/2024 | 1725 |
| 7440-62-2 | Vanadium | 100 | | 10/30/2024 | 1725 |
| 7440-66-6 | Zinc | 62 | | 10/30/2024 | 1725 |

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

Comments:

EPA SAMPLE NO.

MYE485

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-18

% Solids: 97.4 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.63 | J | 10/30/2024 | 1728 |
| 7440-38-2 | Arsenic | 48 | | 10/30/2024 | 1728 |
| 7440-39-3 | Barium | 260 | | 10/30/2024 | 1728 |
| 7440-41-7 | Beryllium | 0.53 | | 10/30/2024 | 1728 |
| 7440-43-9 | Cadmium | 0.29 | J | 10/30/2024 | 1728 |
| 7440-47-3 | Chromium | 45 | | 10/30/2024 | 1728 |
| 7440-48-4 | Cobalt | 18 | | 10/30/2024 | 1728 |
| 7440-50-8 | Copper | 51 | | 10/30/2024 | 1728 |
| 7439-92-1 | Lead | 8.7 | | 10/30/2024 | 1728 |
| 7440-02-0 | Nickel | 51 | | 10/30/2024 | 1728 |
| 7782-49-2 | Selenium | 0.37 | J | 10/30/2024 | 1728 |
| 7440-22-4 | Silver | 0.067 | J* | 10/30/2024 | 1728 |
| 7440-28-0 | Thallium | 0.088 | J | 10/30/2024 | 1728 |
| 7440-62-2 | Vanadium | 73 | | 10/30/2024 | 1728 |
| 7440-66-6 | Zinc | 68 | | 10/30/2024 | 1728 |

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

Comments:

EPA SAMPLE NO.

MYE486

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-19

% Solids: 93 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.78 | J | 10/30/2024 | 1731 |
| 7440-38-2 | Arsenic | 51 | | 10/30/2024 | 1731 |
| 7440-39-3 | Barium | 230 | | 10/30/2024 | 1731 |
| 7440-41-7 | Beryllium | 0.78 | | 10/30/2024 | 1731 |
| 7440-43-9 | Cadmium | 0.31 | J | 10/30/2024 | 1731 |
| 7440-47-3 | Chromium | 42 | | 10/30/2024 | 1731 |
| 7440-48-4 | Cobalt | 19 | | 10/30/2024 | 1731 |
| 7440-50-8 | Copper | 63 | | 10/30/2024 | 1731 |
| 7439-92-1 | Lead | 18 | | 10/30/2024 | 1731 |
| 7440-02-0 | Nickel | 42 | | 10/30/2024 | 1731 |
| 7782-49-2 | Selenium | 0.47 | J | 10/30/2024 | 1731 |
| 7440-22-4 | Silver | 0.093 | J* | 10/30/2024 | 1731 |
| 7440-28-0 | Thallium | 0.17 | J | 10/30/2024 | 1731 |
| 7440-62-2 | Vanadium | 89 | | 10/30/2024 | 1731 |
| 7440-66-6 | Zinc | 91 | | 10/30/2024 | 1731 |

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

Comments:

EPA SAMPLE NO.

MYE487

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-20

% Solids: 95.8 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.51 | J | 10/30/2024 | 1734 |
| 7440-38-2 | Arsenic | 41 | | 10/30/2024 | 1734 |
| 7440-39-3 | Barium | 280 | | 10/30/2024 | 1734 |
| 7440-41-7 | Beryllium | 0.80 | | 10/30/2024 | 1734 |
| 7440-43-9 | Cadmium | 0.47 | | 10/30/2024 | 1734 |
| 7440-47-3 | Chromium | 47 | | 10/30/2024 | 1734 |
| 7440-48-4 | Cobalt | 22 | | 10/30/2024 | 1734 |
| 7440-50-8 | Copper | 79 | | 10/30/2024 | 1734 |
| 7439-92-1 | Lead | 18 | | 10/30/2024 | 1734 |
| 7440-02-0 | Nickel | 39 | | 10/30/2024 | 1734 |
| 7782-49-2 | Selenium | 0.39 | J | 10/30/2024 | 1734 |
| 7440-22-4 | Silver | 0.17 | J* | 10/30/2024 | 1734 |
| 7440-28-0 | Thallium | 0.17 | J | 10/30/2024 | 1734 |
| 7440-62-2 | Vanadium | 75 | | 10/30/2024 | 1734 |
| 7440-66-6 | Zinc | 100 | | 10/30/2024 | 1734 |

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

Comments:

EPA SAMPLE NO.

MYE488

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-21

% Solids: 95.1 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 1.1 | | 10/30/2024 | 1738 |
| 7440-38-2 | Arsenic | 46 | | 10/30/2024 | 1738 |
| 7440-39-3 | Barium | 220 | | 10/30/2024 | 1738 |
| 7440-41-7 | Beryllium | 0.75 | | 10/30/2024 | 1738 |
| 7440-43-9 | Cadmium | 0.91 | | 10/30/2024 | 1738 |
| 7440-47-3 | Chromium | 44 | | 10/30/2024 | 1738 |
| 7440-48-4 | Cobalt | 20 | | 10/30/2024 | 1738 |
| 7440-50-8 | Copper | 140 | | 10/30/2024 | 1738 |
| 7439-92-1 | Lead | 32 | | 10/30/2024 | 1738 |
| 7440-02-0 | Nickel | 38 | | 10/30/2024 | 1738 |
| 7782-49-2 | Selenium | 0.56 | J | 10/30/2024 | 1738 |
| 7440-22-4 | Silver | 0.39 | J* | 10/30/2024 | 1738 |
| 7440-28-0 | Thallium | 0.16 | J | 10/30/2024 | 1738 |
| 7440-62-2 | Vanadium | 73 | | 10/30/2024 | 1738 |
| 7440-66-6 | Zinc | 130 | | 10/30/2024 | 1738 |

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

Comments:

EPA SAMPLE NO.

MYE489

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

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

Lab Code: ACE Case No.: 51817 MA No. : 3225.1 SDG No.: MYE470

Matrix: SOIL Lab Sample ID: P4479-22

% Solids: 95.4 Date Received: 10/22/2024

Analytical Method: ICP_MS

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

| CAS No. | Analyte | Concentration | Q | Date Analyzed | Time Analyzed |
|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 0.84 | J | 10/30/2024 | 1741 |
| 7440-38-2 | Arsenic | 45 | | 10/30/2024 | 1741 |
| 7440-39-3 | Barium | 210 | | 10/30/2024 | 1741 |
| 7440-41-7 | Beryllium | 0.70 | | 10/30/2024 | 1741 |
| 7440-43-9 | Cadmium | 0.88 | | 10/30/2024 | 1741 |
| 7440-47-3 | Chromium | 41 | | 10/30/2024 | 1741 |
| 7440-48-4 | Cobalt | 20 | | 10/30/2024 | 1741 |
| 7440-50-8 | Copper | 130 | | 10/30/2024 | 1741 |
| 7439-92-1 | Lead | 31 | | 10/30/2024 | 1741 |
| 7440-02-0 | Nickel | 38 | | 10/30/2024 | 1741 |
| 7782-49-2 | Selenium | 0.57 | J | 10/30/2024 | 1741 |
| 7440-22-4 | Silver | 0.38 | J* | 10/30/2024 | 1741 |
| 7440-28-0 | Thallium | 0.16 | J | 10/30/2024 | 1741 |
| 7440-62-2 | Vanadium | 70 | | 10/30/2024 | 1741 |
| 7440-66-6 | Zinc | 130 | | 10/30/2024 | 1741 |

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

Comments:

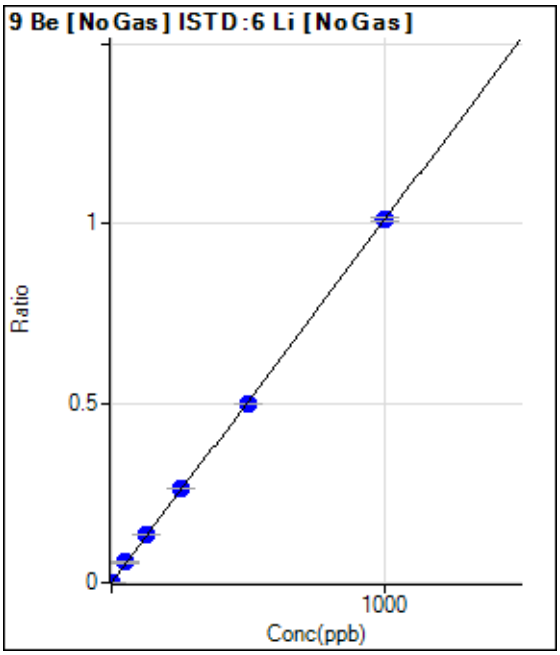
Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7



Batch Folder: D:\Agilent\ICPMH\1\DATA\P7103024 MS.b\
Analysis File: P7103024 MS.batch.bin
DA Date-Time: 2024-10-30 14:18:48
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time |
|---|---|---|---|
| 1 | 004CALB.d | S00 | 2024-10-30 12:18:29 |
| 2 | 006CALS.d | S02 | 2024-10-30 12:25:05 |
| 3 | 007CALS.d | S03 | 2024-10-30 12:28:22 |
| 4 | 008CALS.d | S04 | 2024-10-30 12:31:33 |
| 5 | 009CALS.d | S05 | 2024-10-30 12:34:33 |
| 6 | 010CALS.d | S06 | 2024-10-30 12:37:28 |
| 7 | 011CALS.d | S07 | 2024-10-30 12:40:14 |
| 8 | 012CALS.d | S08 | 2024-10-30 12:43:00 |

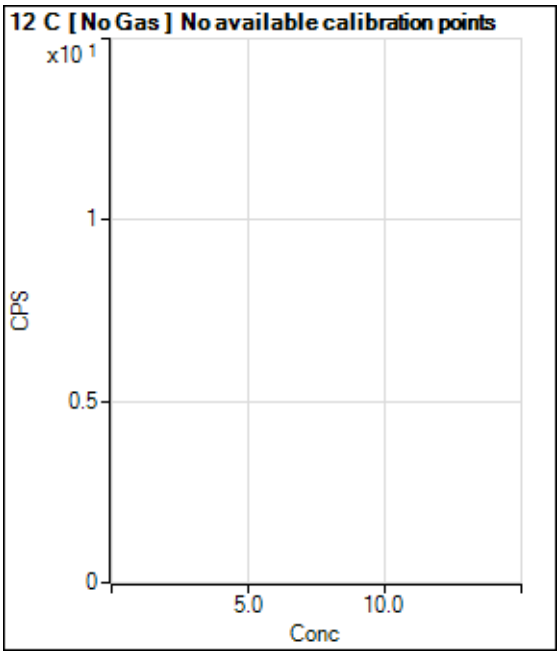
Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 14.44 | 0.0000 | P | 53.2 |
| 2 | ☐ | 1.000 | 1.030 | 530.01 | 0.0011 | P | 4.1 |
| 3 | ☐ | 50.000 | 56.032 | 28455.01 | 0.0566 | P | 4.7 |
| 4 | ☐ | 125.000 | 133.756 | 73163.31 | 0.1350 | P | 0.8 |
| 5 | ☐ | 250.000 | 259.566 | 151580.77 | 0.2620 | P | 1.4 |
| 6 | ☐ | 500.000 | 492.334 | 308432.19 | 0.4969 | P | 0.8 |
| 7 | ☐ | 1000.000 | 1000.045 | 634120.86 | 1.0093 | P | 1.0 |
| 8 | ☐ | | | 100.00 | 0.0002 | P | 7.8 |

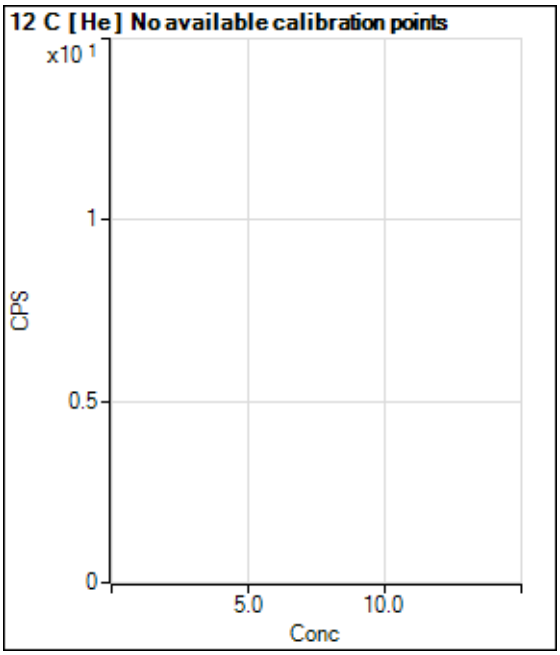
y = 0.0010 * x + 2.6774E-005
R = 0.9999
DL = 0.04237
BEC = 0.02653

Weight: <None>
Min Conc: 0

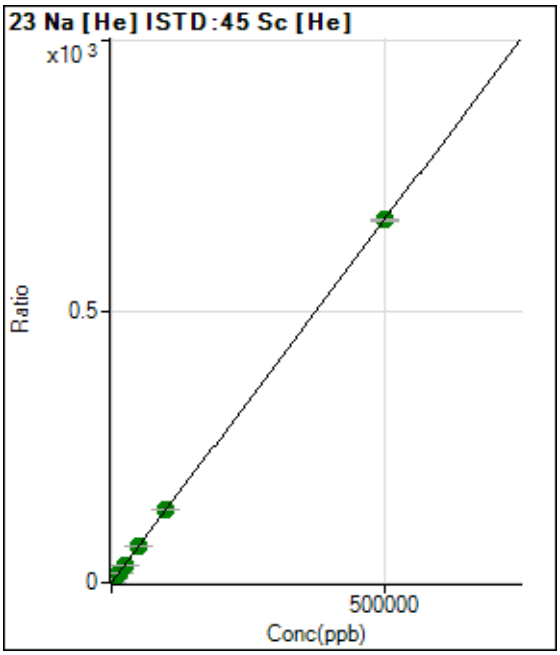



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | | | | |
| 2 | ☐ | | | | | | |
| 3 | ☐ | | | | | | |
| 4 | ☐ | | | | | | |
| 5 | ☐ | | | | | | |
| 6 | ☐ | | | | | | |
| 7 | ☐ | | | | | | |
| 8 | ☐ | | | | | | |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7




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

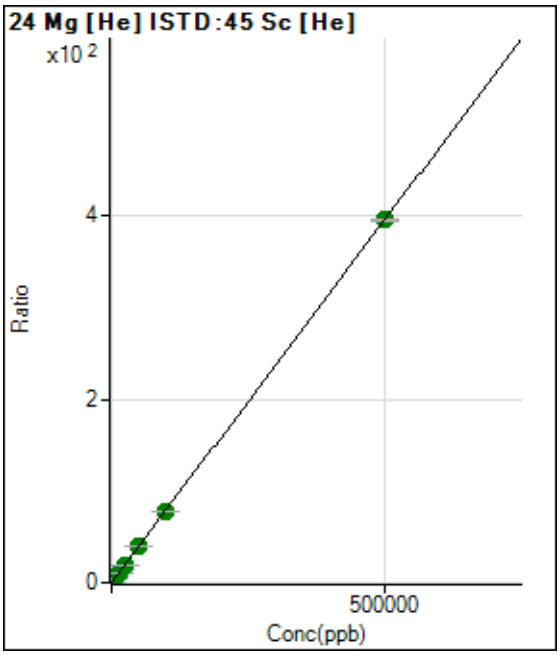



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 31445.47 | 0.1053 | P | 1.1 |
| 2 | ☐ | 500.000 | 493.978 | 223707.42 | 0.7667 | P | 0.7 |
| 3 | ☐ | 5000.000 | 5005.219 | 1999375.25 | 6.8068 | A | 1.5 |
| 4 | ☐ | 12500.000 | 12265.134 | 4746665.93 | 16.5272 | A | 0.6 |
| 5 | ☐ | 25000.000 | 24765.290 | 9427426.32 | 33.2639 | A | 0.6 |
| 6 | ☐ | 50000.000 | 50198.624 | 18653460.97 | 67.3169 | A | 0.6 |
| 7 | ☐ | 100000.00 | 100800.96 | 37611898.61 | 135.0691 | A | 0.6 |
| 8 | ☐ | 500000.00 | 499837.50 | 190830343.8 | 669.3448 | A | 0.3 |

y = 0.0013 * x + 0.1053
R = 1.0000
DL = 2.694
BEC = 78.63

Weight: <None>
Min Conc: 0

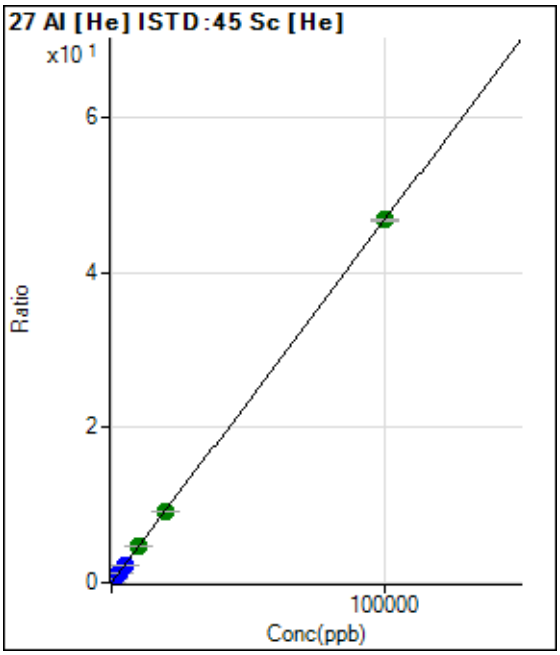
Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 303.34 | 0.0010 | P | 7.5 |
| 2 | ☐ | 500.000 | 506.178 | 117048.83 | 0.4011 | P | 0.9 |
| 3 | ☐ | 5000.000 | 4908.148 | 1139897.52 | 3.8809 | A | 0.7 |
| 4 | ☐ | 12500.000 | 12198.445 | 2769717.29 | 9.6438 | A | 0.2 |
| 5 | ☐ | 25000.000 | 24318.457 | 5448647.14 | 19.2245 | A | 0.3 |
| 6 | ☐ | 50000.000 | 49361.931 | 10812661.99 | 39.0211 | A | 0.8 |
| 7 | ☐ | 100000.00 | 98687.243 | 21724158.43 | 78.0123 | A | 0.9 |
| 8 | ☐ | 500000.00 | 500368.88 | 112766464.9 | 395.5378 | A | 0.6 |

y = 7.9049E-004 * x + 0.0010
R = 1.0000
DL = 0.2898
BEC = 1.285

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 222.22 | 0.0007 | P | 21.2 |
| 2 | ☐ | 20.000 | 18.781 | 2783.61 | 0.0095 | P | 2.2 |
| 3 | ☐ | 1000.000 | 1020.023 | 140529.00 | 0.4784 | P | 0.5 |
| 4 | ☐ | 2500.000 | 2508.510 | 337615.47 | 1.1755 | P | 0.7 |
| 5 | ☐ | 5000.000 | 4989.436 | 662438.77 | 2.3374 | P | 0.9 |
| 6 | ☐ | 10000.000 | 9942.319 | 1290406.72 | 4.6570 | A | 1.8 |
| 7 | ☐ | 20000.000 | 19621.032 | 2559035.50 | 9.1897 | A | 0.8 |
| 8 | ☐ | 100000.00 | 100081.67 | 13363043.83 | 46.8713 | A | 0.5 |

y = 4.6832E-004 * x + 7.4388E-004
R = 1.0000
DL = 1.01
BEC = 1.588

Weight: <None>
Min Conc: 0

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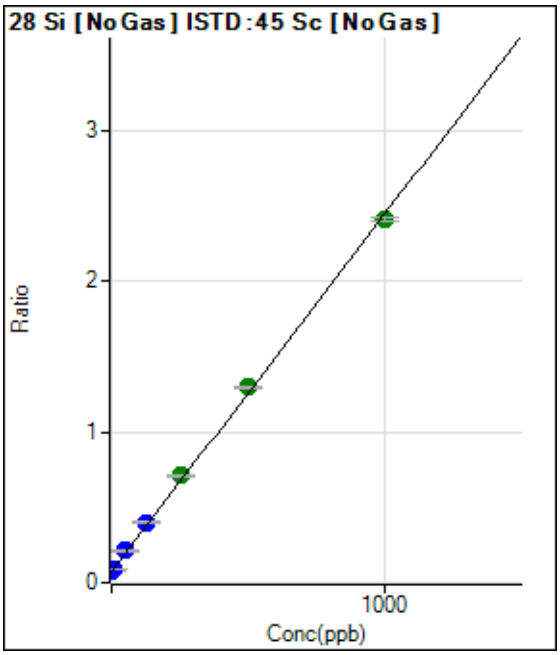
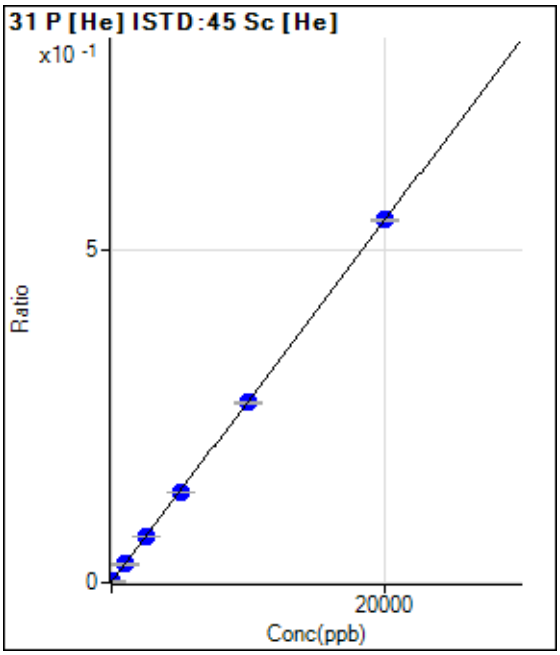



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 191356.20 | 0.0739 | P | 1.5 |
| 2 | ☐ | 10.000 | 5.385 | 211380.92 | 0.0867 | P | 1.2 |
| 3 | ☐ | 50.000 | 57.897 | 510306.56 | 0.2110 | P | 2.7 |
| 4 | ☐ | 125.000 | 137.483 | 971469.99 | 0.3995 | P | 1.3 |
| 5 | ☐ | 250.000 | 268.467 | 1739066.05 | 0.7097 | A | 1.7 |
| 6 | ☐ | 500.000 | 517.481 | 3157359.74 | 1.2993 | A | 0.8 |
| 7 | ☐ | 1000.000 | 984.734 | 5810396.72 | 2.4058 | A | 1.0 |
| 8 | ☐ | | | 229414.98 | 0.0944 | P | 0.7 |

y = 0.0024 * x + 0.0739
R = 0.9995
DL = 1.4
BEC = 31.22

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | -18.685 | 134.45 | 0.0005 | P | 20.2 |
| 2 | ☐ | 0.000 | 18.685 | 427.79 | 0.0015 | P | 3.2 |
| 3 | ☐ | 1000.000 | 980.473 | 8110.00 | 0.0276 | P | 1.5 |
| 4 | ☐ | 2500.000 | 2508.928 | 19862.94 | 0.0692 | P | 1.0 |
| 5 | ☐ | 5000.000 | 4989.273 | 38708.91 | 0.1366 | P | 0.8 |
| 6 | ☐ | 10000.000 | 9938.381 | 75127.74 | 0.2711 | P | 0.6 |
| 7 | ☐ | 20000.000 | 20033.352 | 151915.40 | 0.5455 | P | 0.5 |
| 8 | ☐ | | | 174.45 | 0.0006 | P | 7.4 |

y = 2.7183E-005 * x + 9.5808E-004
R = 1.0000
DL = 7.624
BEC = 35.25

Weight: <None>
Min Conc: 0

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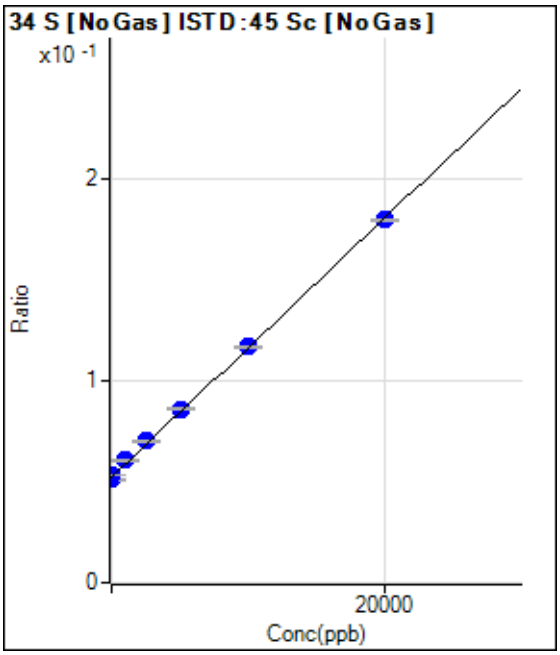



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | -180.605 | 131850.23 | 0.0509 | P | 1.1 |
| 2 | ☐ | 0.000 | 180.605 | 129855.70 | 0.0533 | P | 1.4 |
| 3 | ☐ | 1000.000 | 1316.059 | 146358.07 | 0.0605 | P | 2.4 |
| 4 | ☐ | 2500.000 | 2770.117 | 169834.06 | 0.0698 | P | 0.5 |
| 5 | ☐ | 5000.000 | 5275.263 | 210466.36 | 0.0859 | P | 1.0 |
| 6 | ☐ | 10000.000 | 10064.530 | 283268.20 | 0.1166 | P | 0.8 |
| 7 | ☐ | 20000.000 | 19849.352 | 432933.26 | 0.1793 | P | 0.4 |
| 8 | ☐ | | | 124817.04 | 0.0514 | P | 6.0 |

y = 6.4065E-006 * x + 0.0521

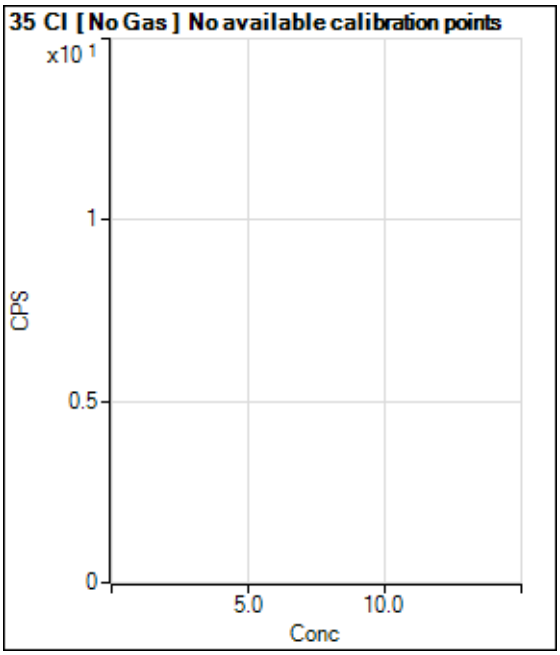
R = 0.9997

DL = 302.9

BEC = 8132

Weight: <None>

Min Conc: 0




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

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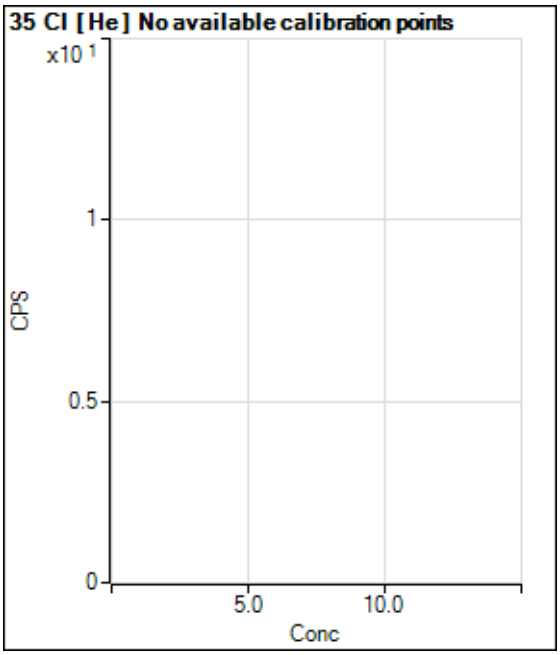
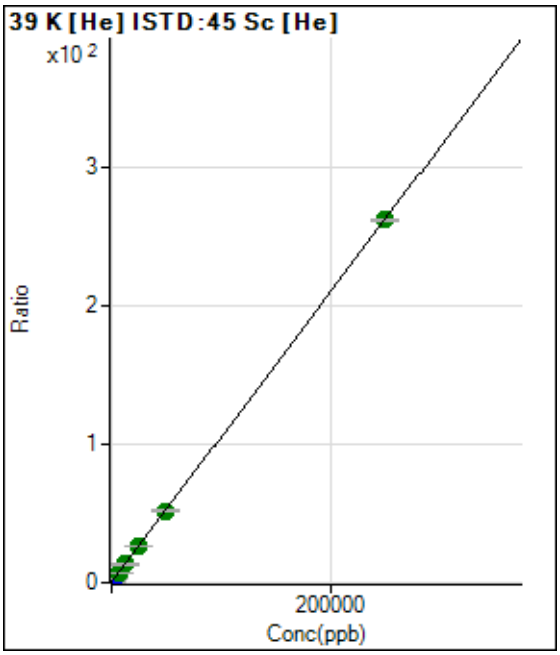



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | | | | |
| 2 | ☐ | | | | | | |
| 3 | ☐ | | | | | | |
| 4 | ☐ | | | | | | |
| 5 | ☐ | | | | | | |
| 6 | ☐ | | | | | | |
| 7 | ☐ | | | | | | |
| 8 | ☐ | | | | | | |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 81983.52 | 0.2745 | P | 0.5 |
| 2 | ☐ | 500.000 | 514.576 | 237476.33 | 0.8139 | P | 0.4 |
| 3 | ☐ | 2500.000 | 2712.764 | 915817.75 | 3.1180 | P | 0.1 |
| 4 | ☐ | 6250.000 | 6315.172 | 1979987.38 | 6.8940 | A | 0.6 |
| 5 | ☐ | 12500.000 | 12366.615 | 3751540.64 | 13.2370 | A | 0.6 |
| 6 | ☐ | 25000.000 | 24779.644 | 7273492.67 | 26.2482 | A | 0.5 |
| 7 | ☐ | 50000.000 | 49497.024 | 14523869.51 | 52.1567 | A | 0.6 |
| 8 | ☐ | 250000.00 | 250125.51 | 74825632.77 | 262.4532 | A | 0.4 |

y = 0.0010 * x + 0.2745
R = 1.0000
DL = 3.704
BEC = 261.9

Weight: <None>
Min Conc: 0

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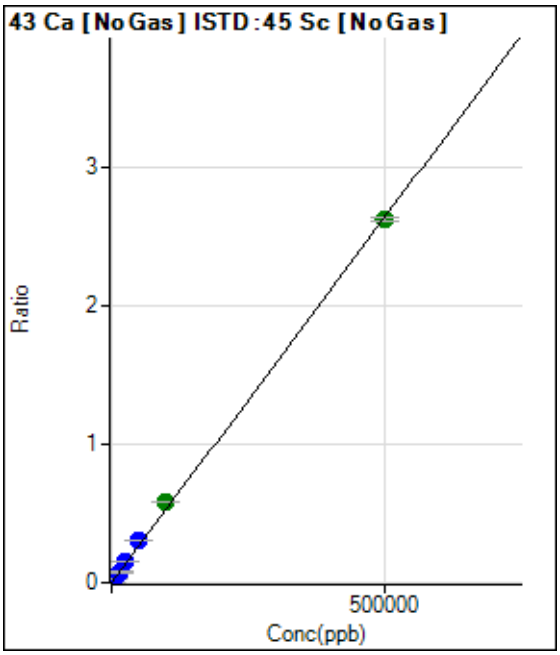
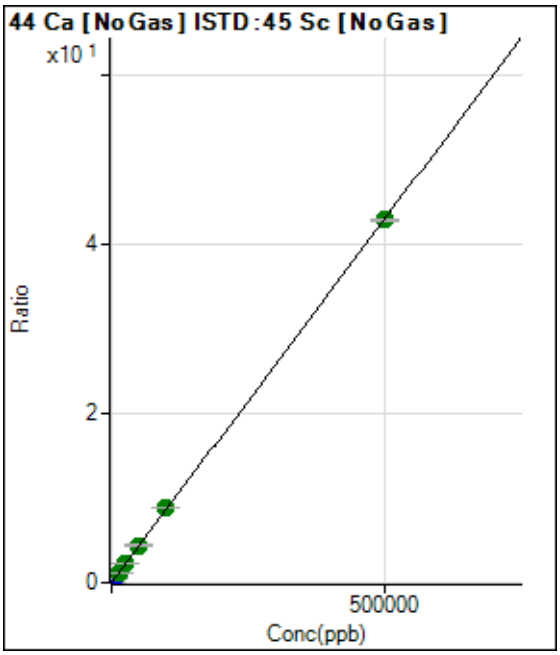



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 191.12 | 0.0001 | P | 13.1 |
| 2 | ☐ | 500.000 | 486.791 | 6444.75 | 0.0026 | P | 1.7 |
| 3 | ☐ | 5000.000 | 5883.711 | 75242.09 | 0.0311 | P | 4.8 |
| 4 | ☐ | 12500.000 | 14466.522 | 185825.41 | 0.0764 | P | 0.6 |
| 5 | ☐ | 25000.000 | 28561.315 | 369543.73 | 0.1508 | P | 1.9 |
| 6 | ☐ | 50000.000 | 57043.178 | 731767.26 | 0.3011 | P | 0.9 |
| 7 | ☐ | 100000.00 | 110521.67 | 1408840.17 | 0.5833 | A | 1.7 |
| 8 | ☐ | 500000.00 | 496955.29 | 6372326.85 | 2.6226 | A | 1.0 |

y = 5.2773E-006 * x + 7.3814E-005
R = 0.9997
DL = 5.495
BEC = 13.99

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 13251.61 | 0.0051 | P | 1.3 |
| 2 | ☐ | 500.000 | 493.171 | 115675.80 | 0.0474 | P | 0.7 |
| 3 | ☐ | 5000.000 | 5568.404 | 1167568.24 | 0.4829 | P | 2.9 |
| 4 | ☐ | 12500.000 | 13122.306 | 2750098.22 | 1.1309 | A | 1.5 |
| 5 | ☐ | 25000.000 | 25935.427 | 5465048.60 | 2.2302 | A | 0.4 |
| 6 | ☐ | 50000.000 | 51390.850 | 10728256.30 | 4.4141 | A | 1.9 |
| 7 | ☐ | 100000.00 | 103642.32 | 21487216.35 | 8.8970 | A | 0.3 |
| 8 | ☐ | 500000.00 | 499064.44 | 104048061.7 | 42.8217 | A | 0.6 |

y = 8.5794E-005 * x + 0.0051
R = 1.0000
DL = 2.394
BEC = 59.67

Weight: <None>
Min Conc: 0

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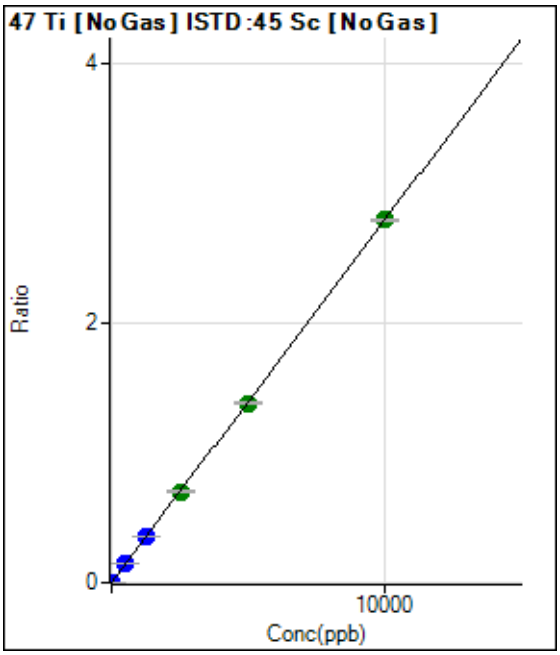
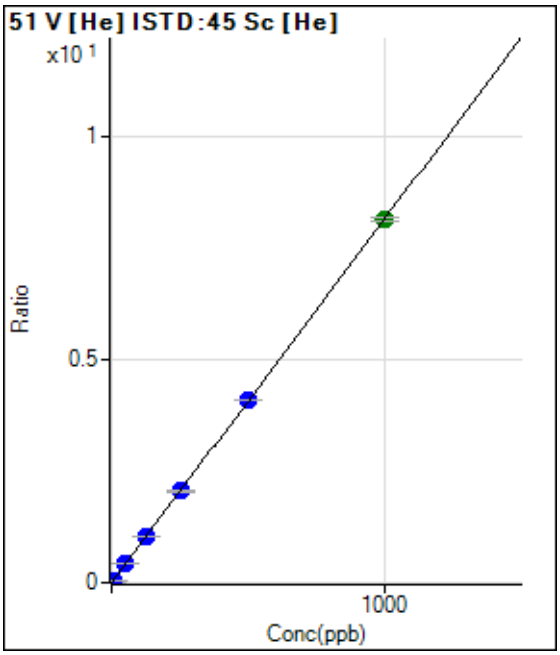



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 100.00 | 0.0000 | P | 21.2 |
| 2 | ☐ | 5.000 | 4.402 | 3090.34 | 0.0013 | P | 1.5 |
| 3 | ☐ | 500.000 | 515.290 | 347763.86 | 0.1438 | P | 3.0 |
| 4 | ☐ | 1250.000 | 1267.515 | 860176.04 | 0.3537 | P | 1.1 |
| 5 | ☐ | 2500.000 | 2519.595 | 1722942.27 | 0.7031 | A | 0.8 |
| 6 | ☐ | 5000.000 | 4956.363 | 3361305.99 | 1.3831 | A | 1.3 |
| 7 | ☐ | 10000.000 | 10013.966 | 6748737.75 | 2.7943 | A | 0.6 |
| 8 | ☐ | | | 1011.16 | 0.0004 | P | 1.4 |

y = 2.7904E-004 * x + 3.8689E-005
R = 1.0000
DL = 0.08798
BEC = 0.1387

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 12.22 | 0.0000 | P | 56.6 |
| 2 | ☐ | 5.000 | 4.897 | 11660.15 | 0.0400 | P | 0.7 |
| 3 | ☐ | 50.000 | 50.780 | 121587.29 | 0.4140 | P | 0.7 |
| 4 | ☐ | 125.000 | 126.285 | 295642.99 | 1.0294 | P | 0.5 |
| 5 | ☐ | 250.000 | 251.595 | 581209.75 | 2.0508 | P | 1.0 |
| 6 | ☐ | 500.000 | 502.787 | 1135638.13 | 4.0983 | P | 0.3 |
| 7 | ☐ | 1000.000 | 998.008 | 2265218.70 | 8.1348 | A | 1.0 |
| 8 | ☐ | | | 528.90 | 0.0019 | P | 8.4 |

y = 0.0082 * x + 4.0894E-005
R = 1.0000
DL = 0.008525
BEC = 0.005017

Weight: <None>
Min Conc: 0

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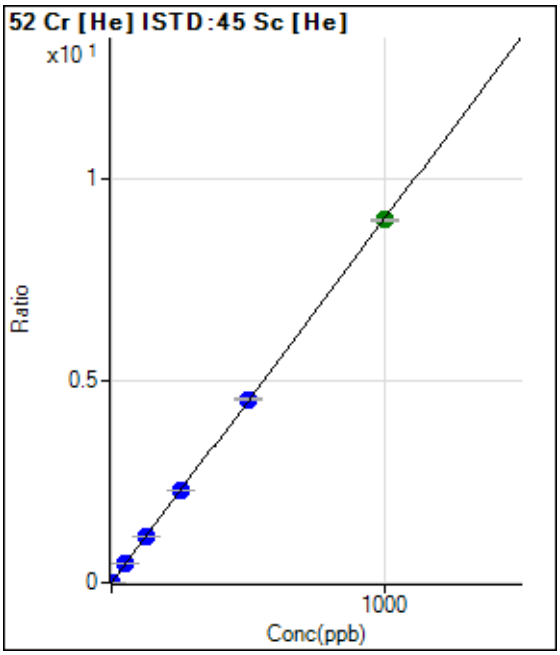
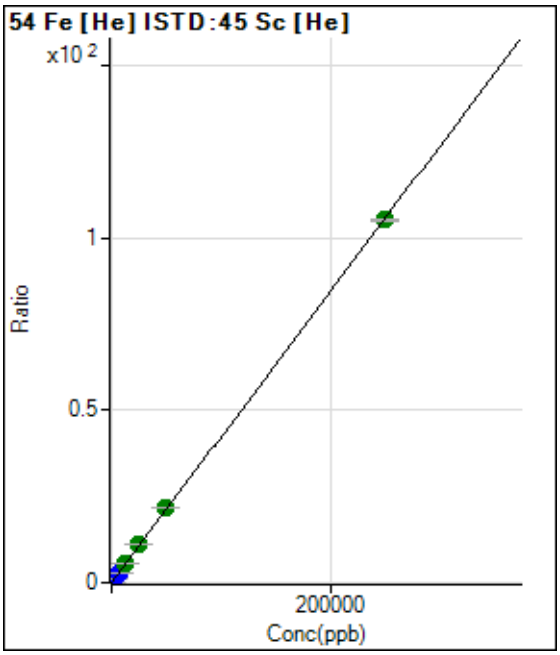



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 615.58 | 0.0021 | P | 7.6 |
| 2 | ☐ | 2.000 | 2.034 | 5957.90 | 0.0204 | P | 0.3 |
| 3 | ☐ | 50.000 | 51.273 | 136492.00 | 0.4647 | P | 0.6 |
| 4 | ☐ | 125.000 | 127.489 | 330970.53 | 1.1524 | P | 0.6 |
| 5 | ☐ | 250.000 | 252.304 | 645805.64 | 2.2786 | P | 0.2 |
| 6 | ☐ | 500.000 | 503.285 | 1258920.36 | 4.5432 | P | 1.1 |
| 7 | ☐ | 1000.000 | 997.407 | 2506612.39 | 9.0017 | A | 0.8 |
| 8 | ☐ | | | 10108.88 | 0.0355 | P | 18.2 |

y = 0.0090 * x + 0.0021
R = 1.0000
DL = 0.05236
BEC = 0.2285

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1323.41 | 0.0044 | P | 2.5 |
| 2 | ☐ | 50.000 | 56.009 | 8194.53 | 0.0281 | P | 1.4 |
| 3 | ☐ | 2500.000 | 2706.546 | 337026.92 | 1.1474 | P | 0.3 |
| 4 | ☐ | 6250.000 | 6734.515 | 818081.31 | 2.8485 | P | 1.0 |
| 5 | ☐ | 12500.000 | 12918.027 | 1547375.51 | 5.4598 | A | 1.1 |
| 6 | ☐ | 25000.000 | 25863.074 | 3027762.18 | 10.9266 | A | 0.5 |
| 7 | ☐ | 50000.000 | 51556.271 | 6064302.34 | 21.7771 | A | 0.3 |
| 8 | ☐ | 250000.00 | 249567.35 | 30049307.05 | 105.3989 | A | 0.2 |

y = 4.2231E-004 * x + 0.0044
R = 1.0000
DL = 0.7913
BEC = 10.49

Weight: <None>
Min Conc: 0

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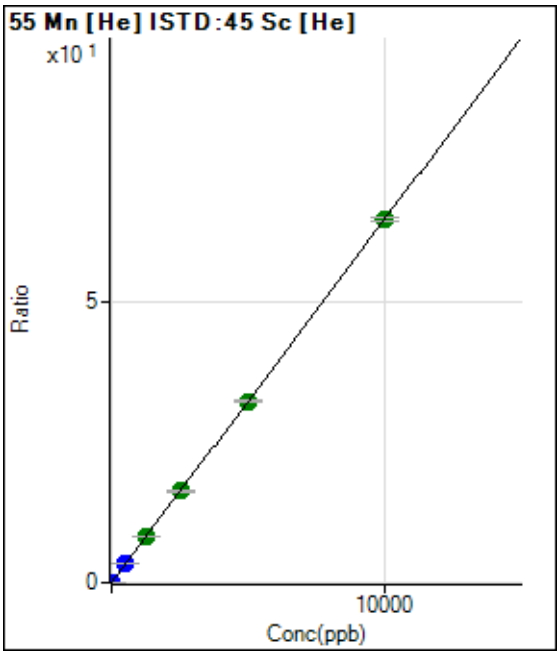
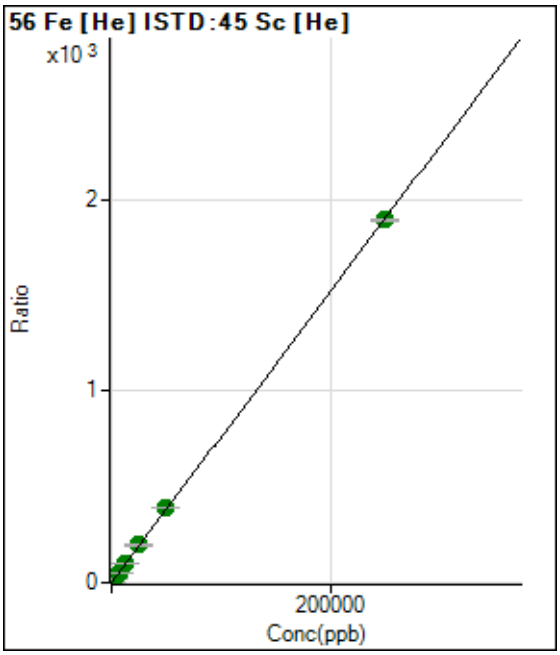



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 333.34 | 0.0011 | P | 11.3 |
| 2 | ☐ | 1.000 | 1.010 | 2237.97 | 0.0077 | P | 3.0 |
| 3 | ☐ | 500.000 | 511.445 | 975016.44 | 3.3195 | P | 0.3 |
| 4 | ☐ | 1250.000 | 1254.192 | 2337434.52 | 8.1387 | A | 1.1 |
| 5 | ☐ | 2500.000 | 2519.461 | 4633524.79 | 16.3482 | A | 0.6 |
| 6 | ☐ | 5000.000 | 5003.850 | 8996687.09 | 32.4677 | A | 1.4 |
| 7 | ☐ | 10000.000 | 9992.114 | 18053171.95 | 64.8332 | A | 1.1 |
| 8 | ☐ | | | 9626.47 | 0.0338 | P | 0.8 |

y = 0.0065 * x + 0.0011
R = 1.0000
DL = 0.05838
BEC = 0.172

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 10027.87 | 0.0336 | P | 2.8 |
| 2 | ☐ | 50.000 | 51.577 | 124093.63 | 0.4253 | P | 0.6 |
| 3 | ☐ | 2500.000 | 2588.312 | 5783780.19 | 19.6912 | A | 0.6 |
| 4 | ☐ | 6250.000 | 6423.228 | 14020152.01 | 48.8166 | A | 0.8 |
| 5 | ☐ | 12500.000 | 12859.448 | 27688229.03 | 97.6982 | A | 1.0 |
| 6 | ☐ | 25000.000 | 25813.491 | 54334044.19 | 196.0813 | A | 0.8 |
| 7 | ☐ | 50000.000 | 51215.810 | 108324066.1 | 389.0062 | A | 1.0 |
| 8 | ☐ | 250000.00 | 249652.30 | 540571396.3 | 1,896.087 | A | 0.2 |

y = 0.0076 * x + 0.0336
R = 1.0000
DL = 0.366
BEC = 4.421

Weight: <None>
Min Conc: 0

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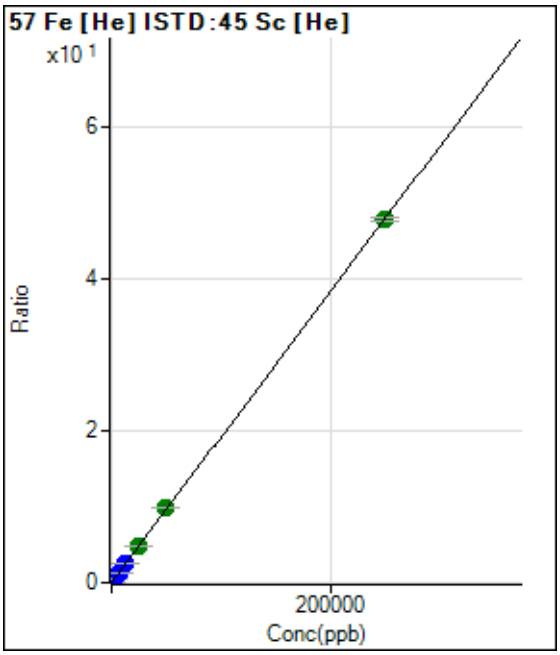
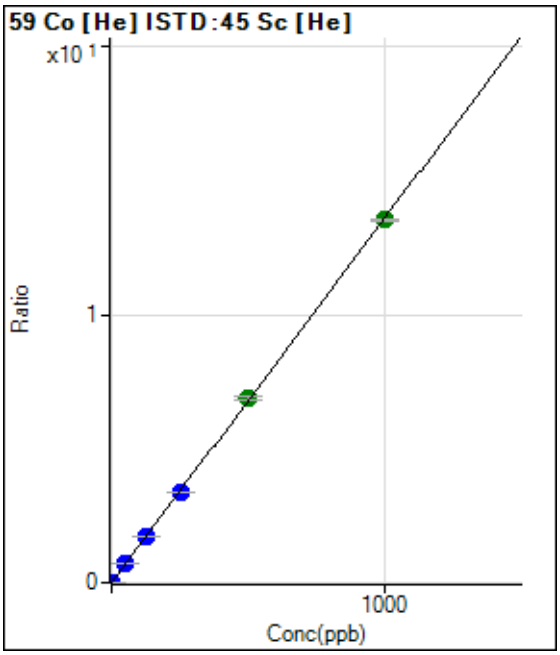



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 2871.41 | 0.0096 | P | 2.6 |
| 2 | ☐ | 50.000 | 55.086 | 5880.08 | 0.0202 | P | 3.5 |
| 3 | ☐ | 2500.000 | 2641.124 | 151235.25 | 0.5149 | P | 0.4 |
| 4 | ☐ | 6250.000 | 6642.836 | 367751.94 | 1.2805 | P | 1.2 |
| 5 | ☐ | 12500.000 | 13196.595 | 718248.70 | 2.5343 | P | 0.7 |
| 6 | ☐ | 25000.000 | 25431.835 | 1350889.78 | 4.8751 | A | 0.6 |
| 7 | ☐ | 50000.000 | 51111.791 | 2725592.91 | 9.7880 | A | 0.7 |
| 8 | ☐ | 250000.00 | 249688.39 | 13621396.46 | 47.7783 | A | 0.9 |

y = 1.9131E-004 * x + 0.0096
R = 1.0000
DL = 3.88
BEC = 50.25

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 102.22 | 0.0003 | P | 13.2 |
| 2 | ☐ | 1.000 | 0.994 | 4039.47 | 0.0138 | P | 1.8 |
| 3 | ☐ | 50.000 | 50.356 | 201056.08 | 0.6845 | P | 0.2 |
| 4 | ☐ | 125.000 | 124.578 | 486211.69 | 1.6929 | P | 0.5 |
| 5 | ☐ | 250.000 | 248.529 | 957051.82 | 3.3770 | P | 1.1 |
| 6 | ☐ | 500.000 | 508.393 | 1914039.69 | 6.9077 | A | 2.1 |
| 7 | ☐ | 1000.000 | 996.206 | 3769219.29 | 13.5354 | A | 0.3 |
| 8 | ☐ | | | 10335.86 | 0.0363 | P | 3.1 |

y = 0.0136 * x + 3.4214E-004
R = 0.9999
DL = 0.009994
BEC = 0.02518

Weight: <None>
Min Conc: 0

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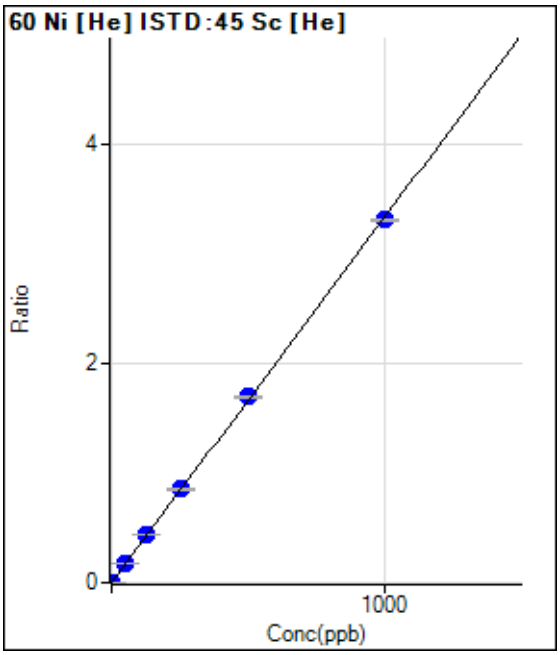
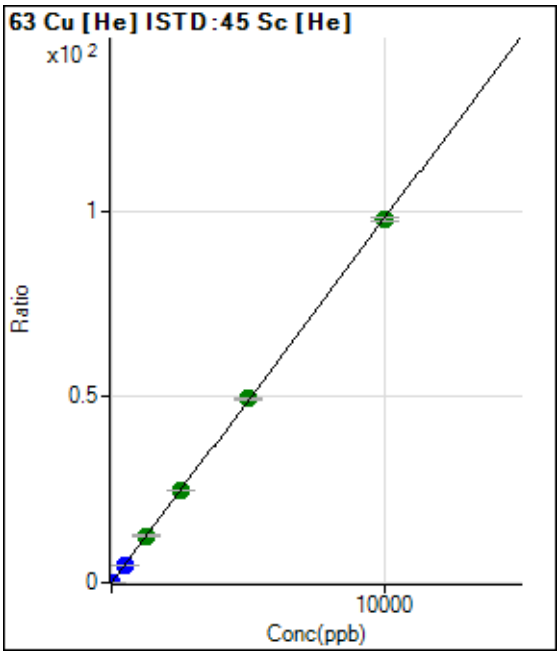



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 91.11 | 0.0003 | P | 20.5 |
| 2 | ☐ | 1.000 | 1.052 | 1112.27 | 0.0038 | P | 8.3 |
| 3 | ☐ | 50.000 | 52.244 | 51256.15 | 0.1745 | P | 0.9 |
| 4 | ☐ | 125.000 | 129.622 | 124219.41 | 0.4325 | P | 1.1 |
| 5 | ☐ | 250.000 | 255.886 | 241892.98 | 0.8535 | P | 1.2 |
| 6 | ☐ | 500.000 | 508.767 | 470162.04 | 1.6967 | P | 1.0 |
| 7 | ☐ | 1000.000 | 993.455 | 922529.61 | 3.3129 | P | 0.5 |
| 8 | ☐ | | | 4560.74 | 0.0160 | P | 2.2 |

y = 0.0033 * x + 3.0518E-004
R = 0.9999
DL = 0.05632
BEC = 0.09152

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1024.49 | 0.0034 | P | 3.6 |
| 2 | ☐ | 2.000 | 1.855 | 6304.72 | 0.0216 | P | 2.9 |
| 3 | ☐ | 500.000 | 497.722 | 1433225.05 | 4.8796 | P | 0.6 |
| 4 | ☐ | 1250.000 | 1292.912 | 3638868.80 | 12.6700 | A | 1.0 |
| 5 | ☐ | 2500.000 | 2536.504 | 7043837.74 | 24.8534 | A | 0.5 |
| 6 | ☐ | 5000.000 | 5053.174 | 13718838.27 | 49.5091 | A | 0.8 |
| 7 | ☐ | 10000.000 | 9959.037 | 27170125.43 | 97.5715 | A | 1.0 |
| 8 | ☐ | | | 7430.80 | 0.0261 | P | 0.6 |

y = 0.0098 * x + 0.0034
R = 1.0000
DL = 0.03814
BEC = 0.3501

Weight: <None>
Min Conc: 0

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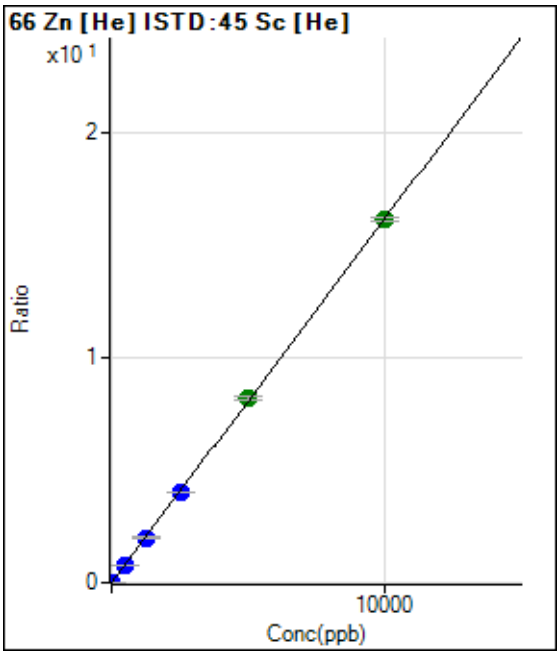
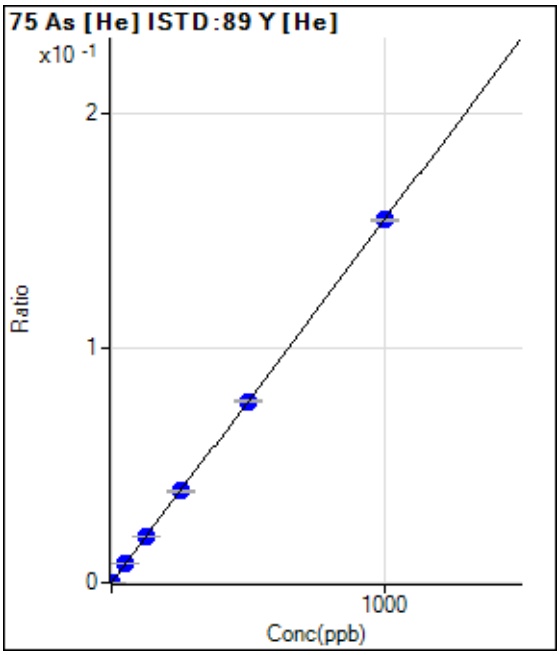



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 374.45 | 0.0013 | P | 8.9 |
| 2 | ☐ | 2.000 | 4.888 | 2670.26 | 0.0092 | P | 4.0 |
| 3 | ☐ | 500.000 | 496.833 | 236180.09 | 0.8041 | P | 0.5 |
| 4 | ☐ | 1250.000 | 1239.503 | 575610.89 | 2.0042 | P | 0.6 |
| 5 | ☐ | 2500.000 | 2470.637 | 1131839.28 | 3.9936 | P | 0.7 |
| 6 | ☐ | 5000.000 | 5055.802 | 2264125.61 | 8.1711 | A | 2.1 |
| 7 | ☐ | 10000.000 | 9980.910 | 4491413.82 | 16.1297 | A | 1.1 |
| 8 | ☐ | | | 4529.62 | 0.0159 | P | 1.1 |

y = 0.0016 * x + 0.0013
R = 1.0000
DL = 0.2063
BEC = 0.7757

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 7.78 | 0.0000 | P | 24.4 |
| 2 | ☐ | 1.000 | 1.088 | 386.68 | 0.0002 | P | 16.1 |
| 3 | ☐ | 50.000 | 52.605 | 18194.60 | 0.0081 | P | 1.4 |
| 4 | ☐ | 125.000 | 126.185 | 43972.68 | 0.0195 | P | 0.6 |
| 5 | ☐ | 250.000 | 251.829 | 86932.54 | 0.0389 | P | 1.3 |
| 6 | ☐ | 500.000 | 498.913 | 170415.66 | 0.0771 | P | 1.2 |
| 7 | ☐ | 1000.000 | 999.808 | 341951.60 | 0.1545 | P | 0.5 |
| 8 | ☐ | | | 218.89 | 0.0001 | P | 13.7 |

y = 1.5455E-004 * x + 3.3900E-006
R = 1.0000
DL = 0.01607
BEC = 0.02193

Weight: <None>
Min Conc: 0

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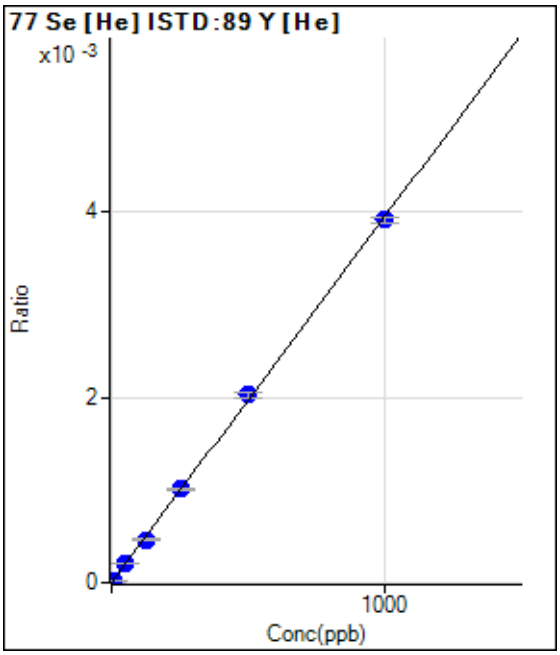
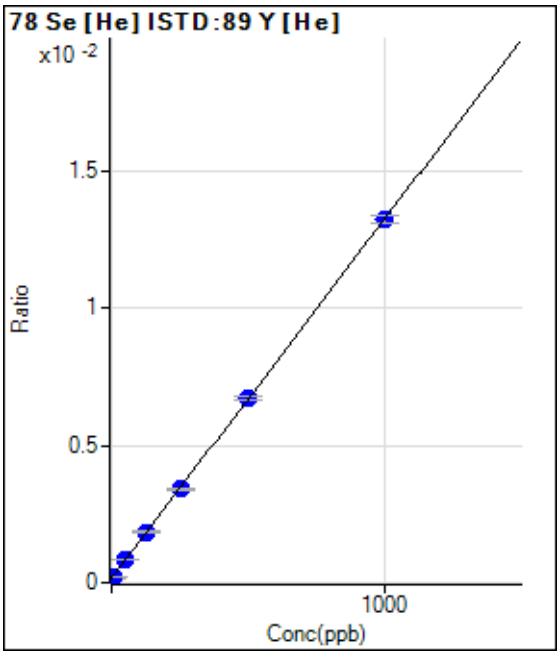



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 3.33 | 0.0000 | P | 99.7 |
| 2 | ☐ | 5.000 | 4.878 | 46.67 | 0.0000 | P | 21.7 |
| 3 | ☐ | 50.000 | 52.116 | 463.34 | 0.0002 | P | 4.1 |
| 4 | ☐ | 125.000 | 116.993 | 1044.49 | 0.0005 | P | 5.3 |
| 5 | ☐ | 250.000 | 256.251 | 2262.42 | 0.0010 | P | 1.4 |
| 6 | ☐ | 500.000 | 513.439 | 4481.83 | 0.0020 | P | 2.3 |
| 7 | ☐ | 1000.000 | 992.614 | 8673.73 | 0.0039 | P | 1.5 |
| 8 | ☐ | | | 1.11 | 0.0000 | P | 173. |

y = 3.9473E-006 * x + 1.4539E-006
R = 0.9998
DL = 1.101
BEC = 0.3683

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 357.79 | 0.0002 | P | 8.6 |
| 2 | ☐ | 5.000 | 5.681 | 518.91 | 0.0002 | P | 10.5 |
| 3 | ☐ | 50.000 | 52.293 | 1877.92 | 0.0008 | P | 2.9 |
| 4 | ☐ | 125.000 | 129.591 | 4169.52 | 0.0018 | P | 3.5 |
| 5 | ☐ | 250.000 | 249.577 | 7634.27 | 0.0034 | P | 1.9 |
| 6 | ☐ | 500.000 | 502.565 | 14864.20 | 0.0067 | P | 1.7 |
| 7 | ☐ | 1000.000 | 998.131 | 29213.33 | 0.0132 | P | 2.2 |
| 8 | ☐ | | | 357.79 | 0.0002 | P | 6.3 |

y = 1.3070E-005 * x + 1.5598E-004
R = 1.0000
DL = 3.086
BEC = 11.93

Weight: <None>
Min Conc: 0

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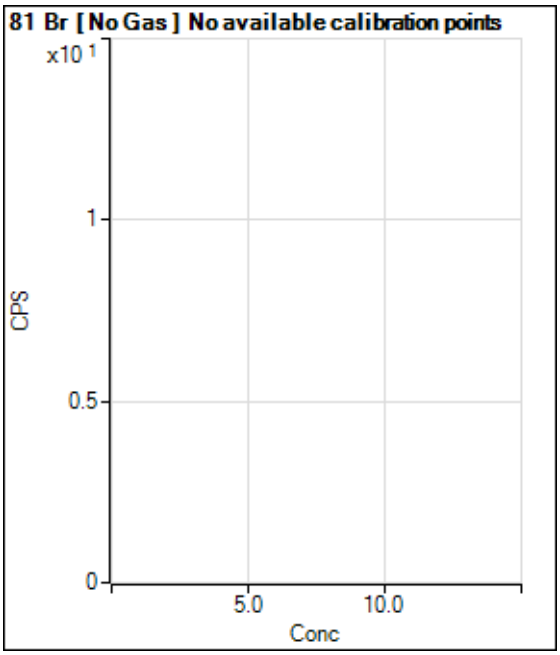
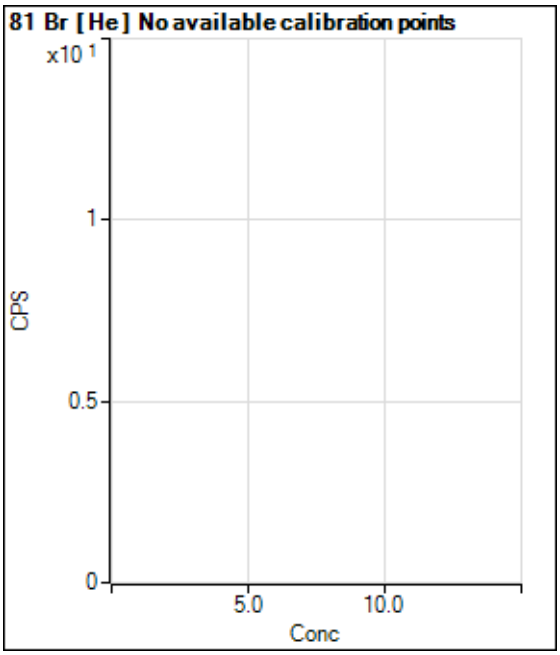



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 5807.86 | | P | 1.9 |
| 2 | ☐ | | | 5159.85 | | P | 2.6 |
| 3 | ☐ | | | 5058.70 | | P | 2.3 |
| 4 | ☐ | | | 5140.93 | | P | 2.7 |
| 5 | ☐ | | | 4915.31 | | P | 2.4 |
| 6 | ☐ | | | 4938.65 | | P | 1.3 |
| 7 | ☐ | | | 4724.14 | | P | 2.0 |
| 8 | ☐ | | | 5185.40 | | P | 3.6 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 88.89 | | P | 10.8 |
| 2 | ☐ | | | 43.33 | | P | 7.7 |
| 3 | ☐ | | | 47.78 | | P | 21.3 |
| 4 | ☐ | | | 34.44 | | P | 43.6 |
| 5 | ☐ | | | 37.78 | | P | 10.2 |
| 6 | ☐ | | | 54.44 | | P | 14.1 |
| 7 | ☐ | | | 38.89 | | P | 21.6 |
| 8 | ☐ | | | 58.89 | | P | 8.6 |

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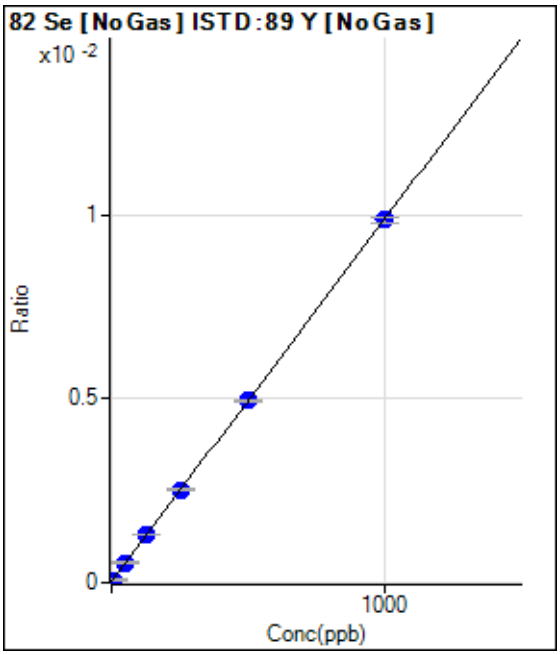
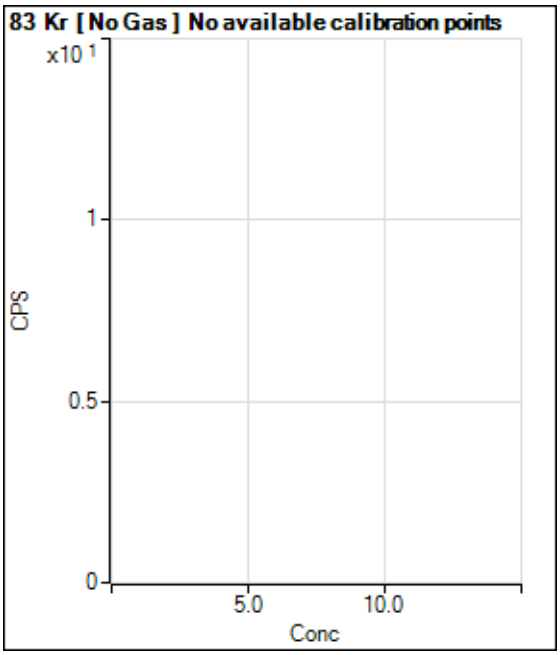



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 240.34 | 0.0000 | P | 14.7 |
| 2 | ☐ | 5.000 | 4.792 | 568.99 | 0.0001 | P | 8.9 |
| 3 | ☐ | 50.000 | 51.787 | 4029.58 | 0.0005 | P | 6.4 |
| 4 | ☐ | 125.000 | 129.333 | 9785.46 | 0.0013 | P | 1.2 |
| 5 | ☐ | 250.000 | 254.167 | 19089.31 | 0.0025 | P | 2.0 |
| 6 | ☐ | 500.000 | 499.892 | 37618.15 | 0.0050 | P | 1.1 |
| 7 | ☐ | 1000.000 | 998.382 | 74680.21 | 0.0099 | P | 1.6 |
| 8 | ☐ | | | 302.93 | 0.0000 | P | 10.5 |

y = 9.8510E-006 * x + 3.0364E-005
R = 1.0000
DL = 1.357
BEC = 3.082

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 188.89 | | P | 25.2 |
| 2 | ☐ | | | 180.00 | | P | 23.6 |
| 3 | ☐ | | | 208.89 | | P | 9.1 |
| 4 | ☐ | | | 172.23 | | P | 23.3 |
| 5 | ☐ | | | 180.00 | | P | 0.0 |
| 6 | ☐ | | | 175.56 | | P | 18.0 |
| 7 | ☐ | | | 183.34 | | P | 3.6 |
| 8 | ☐ | | | 185.56 | | P | 13.2 |

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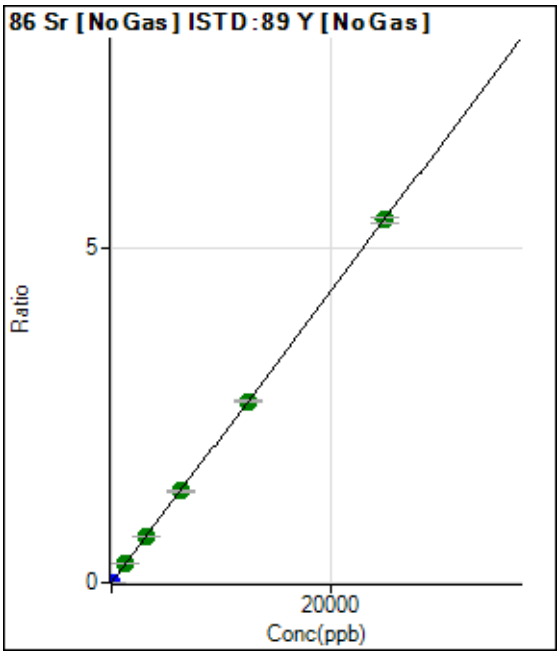
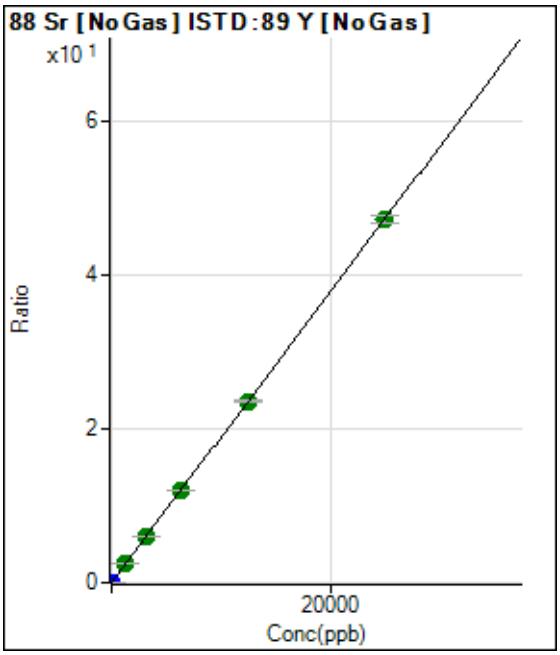



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 332.23 | 0.0000 | P | 4.4 |
| 2 | ☐ | 1.000 | 0.978 | 1866.80 | 0.0003 | P | 2.5 |
| 3 | ☐ | 1250.000 | 1303.068 | 2111311.81 | 0.2831 | A | 2.2 |
| 4 | ☐ | 3125.000 | 3148.264 | 5130040.93 | 0.6838 | A | 1.7 |
| 5 | ☐ | 6250.000 | 6313.794 | 10330777.34 | 1.3714 | A | 1.3 |
| 6 | ☐ | 12500.000 | 12491.051 | 20599889.97 | 2.7131 | A | 1.5 |
| 7 | ☐ | 25000.000 | 24982.965 | 41077031.89 | 5.4264 | A | 1.8 |
| 8 | ☐ | | | 6889.46 | 0.0009 | P | 1.1 |

y = 2.1720E-004 * x + 4.2026E-005
R = 1.0000
DL = 0.02562
BEC = 0.1935

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 126.67 | 0.0000 | P | 25.5 |
| 2 | ☐ | 1.000 | 0.969 | 13565.24 | 0.0018 | P | 1.4 |
| 3 | ☐ | 1250.000 | 1293.409 | 18245440.42 | 2.4465 | A | 2.9 |
| 4 | ☐ | 3125.000 | 3164.327 | 44899609.33 | 5.9853 | A | 0.8 |
| 5 | ☐ | 6250.000 | 6321.008 | 90063799.77 | 11.9561 | A | 0.9 |
| 6 | ☐ | 12500.000 | 12497.962 | 179484526.2 | 23.6396 | A | 1.3 |
| 7 | ☐ | 25000.000 | 24976.180 | 357605670.2 | 47.2419 | A | 2.0 |
| 8 | ☐ | | | 57164.07 | 0.0077 | P | 3.4 |

y = 0.0019 * x + 1.6036E-005
R = 1.0000
DL = 0.006497
BEC = 0.008478

Weight: <None>
Min Conc: 0

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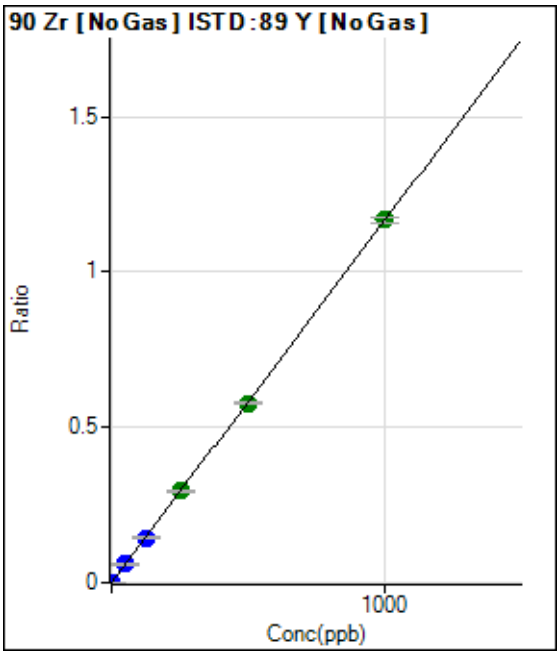
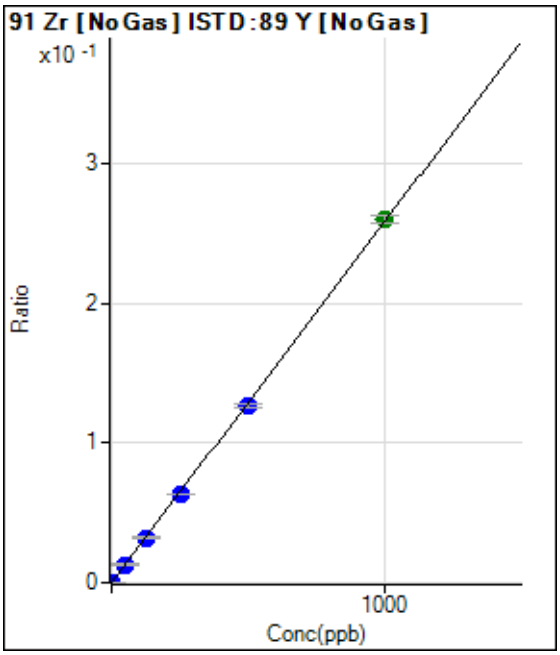



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 256.67 | 0.0000 | P | 23.5 |
| 2 | ☐ | 1.000 | 0.955 | 8399.14 | 0.0011 | P | 1.3 |
| 3 | ☐ | 50.000 | 50.438 | 438369.35 | 0.0588 | P | 3.2 |
| 4 | ☐ | 125.000 | 124.051 | 1084205.47 | 0.1445 | P | 1.8 |
| 5 | ☐ | 250.000 | 252.577 | 2216377.73 | 0.2942 | A | 0.4 |
| 6 | ☐ | 500.000 | 494.691 | 4375040.42 | 0.5762 | A | 1.0 |
| 7 | ☐ | 1000.000 | 1002.107 | 8835744.59 | 1.1673 | A | 1.3 |
| 8 | ☐ | | | 5000.90 | 0.0007 | P | 2.7 |

y = 0.0012 * x + 3.2405E-005
R = 1.0000
DL = 0.01964
BEC = 0.02782

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 62.22 | 0.0000 | P | 17.6 |
| 2 | ☐ | 1.000 | 0.978 | 1912.37 | 0.0003 | P | 1.4 |
| 3 | ☐ | 50.000 | 50.381 | 97175.69 | 0.0130 | P | 3.3 |
| 4 | ☐ | 125.000 | 124.496 | 241469.34 | 0.0322 | P | 2.4 |
| 5 | ☐ | 250.000 | 246.067 | 479188.52 | 0.0636 | P | 1.2 |
| 6 | ☐ | 500.000 | 491.247 | 964163.61 | 0.1270 | P | 2.3 |
| 7 | ☐ | 1000.000 | 1005.404 | 1967373.15 | 0.2599 | A | 2.2 |
| 8 | ☐ | | | 1064.50 | 0.0001 | P | 5.4 |

y = 2.5849E-004 * x + 7.8567E-006
R = 0.9999
DL = 0.01605
BEC = 0.03039

Weight: <None>
Min Conc: 0

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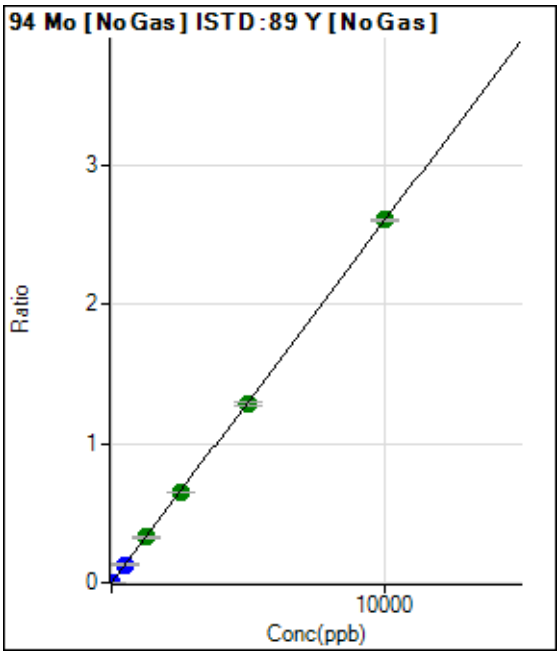
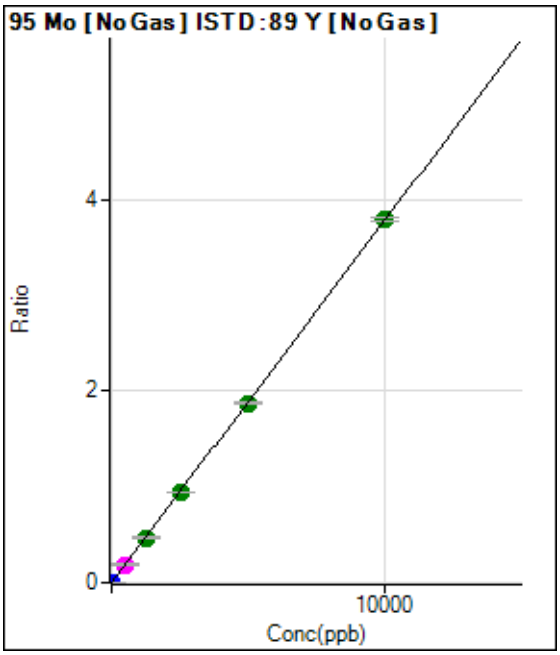



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 112.22 | 0.0000 | P | 7.9 |
| 2 | ☐ | 5.000 | 5.219 | 10069.11 | 0.0014 | P | 3.6 |
| 3 | ☐ | 500.000 | 499.395 | 969371.76 | 0.1300 | P | 3.3 |
| 4 | ☐ | 1250.000 | 1249.380 | 2439458.54 | 0.3252 | A | 1.6 |
| 5 | ☐ | 2500.000 | 2491.603 | 4884984.13 | 0.6485 | A | 1.2 |
| 6 | ☐ | 5000.000 | 4944.191 | 9769973.74 | 1.2868 | A | 1.1 |
| 7 | ☐ | 10000.000 | 10030.112 | 19760201.65 | 2.6104 | A | 0.8 |
| 8 | ☐ | | | 4499.62 | 0.0006 | P | 4.9 |

y = 2.6026E-004 * x + 1.4206E-005
R = 1.0000
DL = 0.013
BEC = 0.05458

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 41.11 | 0.0000 | P | 60.5 |
| 2 | ☐ | 5.000 | 4.241 | 11791.50 | 0.0016 | P | 2.1 |
| 3 | ☐ | 500.000 | 499.554 | 1406928.90 | 0.1887 | M | 3.3 |
| 4 | ☐ | 1250.000 | 1244.213 | 3524997.24 | 0.4699 | A | 1.4 |
| 5 | ☐ | 2500.000 | 2488.216 | 7078360.03 | 0.9397 | A | 0.6 |
| 6 | ☐ | 5000.000 | 4961.011 | 14224252.43 | 1.8735 | A | 1.7 |
| 7 | ☐ | 10000.000 | 10023.186 | 28652930.68 | 3.7852 | A | 0.9 |
| 8 | ☐ | | | 4176.20 | 0.0006 | P | 2.2 |

y = 3.7764E-004 * x + 5.2056E-006
R = 1.0000
DL = 0.02501
BEC = 0.01378

Weight: <None>
Min Conc: 0

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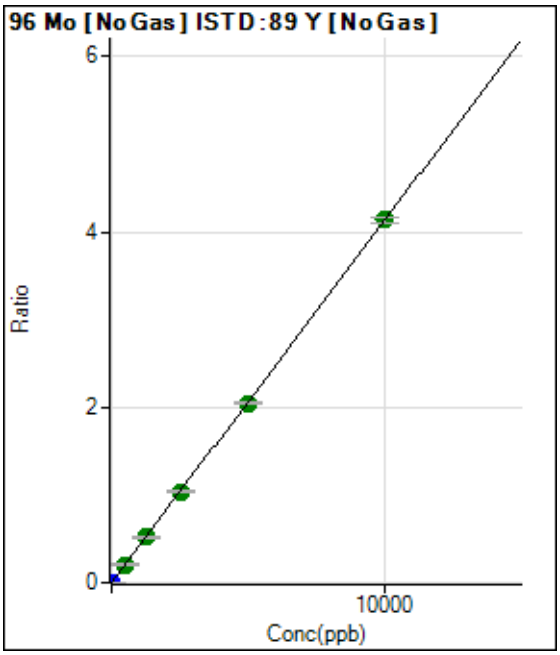
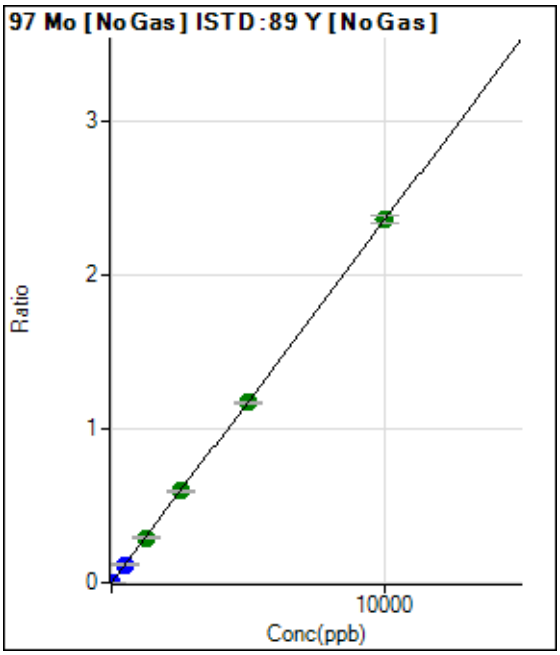



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 51.11 | 0.0000 | P | 20.4 |
| 2 | ☐ | 5.000 | 4.367 | 13281.69 | 0.0018 | P | 1.4 |
| 3 | ☐ | 500.000 | 499.903 | 1539225.43 | 0.2064 | A | 3.7 |
| 4 | ☐ | 1250.000 | 1253.064 | 3881060.43 | 0.5174 | A | 2.2 |
| 5 | ☐ | 2500.000 | 2502.350 | 7782444.33 | 1.0331 | A | 1.7 |
| 6 | ☐ | 5000.000 | 4960.635 | 15550047.13 | 2.0481 | A | 1.5 |
| 7 | ☐ | 10000.000 | 10018.717 | 31312098.15 | 4.1364 | A | 1.5 |
| 8 | ☐ | | | 8941.70 | 0.0012 | P | 2.2 |

y = 4.1286E-004 * x + 6.4704E-006
R = 1.0000
DL = 0.009589
BEC = 0.01567

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 23.33 | 0.0000 | P | 12.8 |
| 2 | ☐ | 5.000 | 4.249 | 7374.15 | 0.0010 | P | 1.7 |
| 3 | ☐ | 500.000 | 496.419 | 872906.59 | 0.1171 | P | 3.4 |
| 4 | ☐ | 1250.000 | 1244.856 | 2202033.66 | 0.2935 | A | 1.7 |
| 5 | ☐ | 2500.000 | 2522.169 | 4479846.84 | 0.5947 | A | 1.9 |
| 6 | ☐ | 5000.000 | 4964.705 | 8887557.30 | 1.1706 | A | 2.0 |
| 7 | ☐ | 10000.000 | 10012.927 | 17872919.45 | 2.3609 | A | 2.0 |
| 8 | ☐ | | | 2560.25 | 0.0003 | P | 0.9 |

y = 2.3579E-004 * x + 2.9470E-006
R = 1.0000
DL = 0.004783
BEC = 0.0125

Weight: <None>
Min Conc: 0

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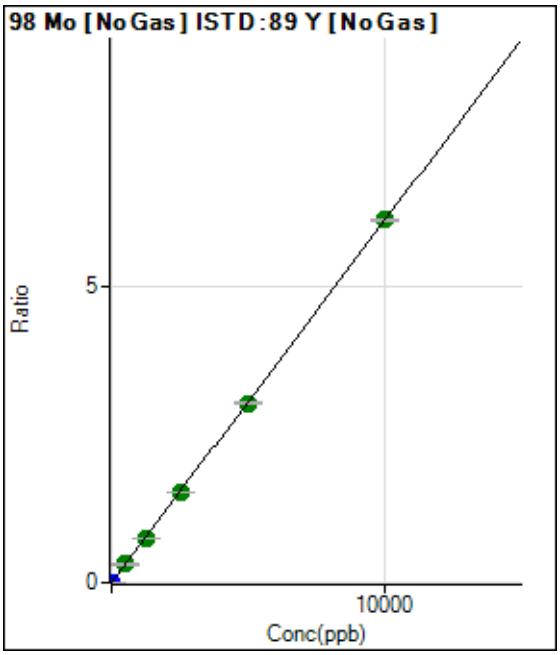
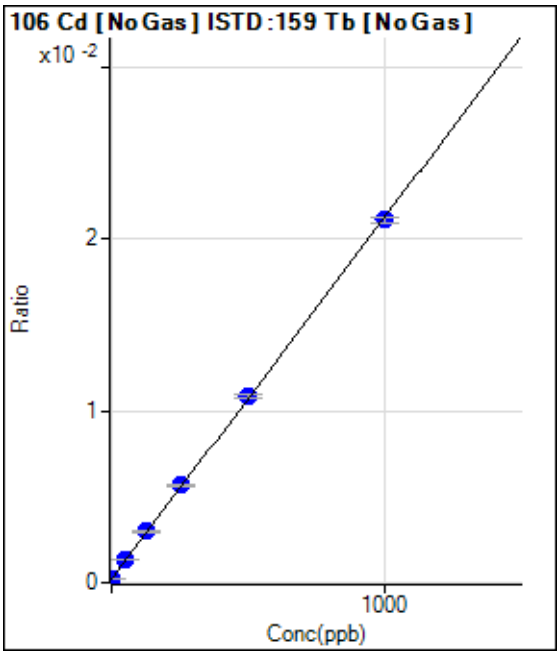



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 62.22 | 0.0000 | P | 4.4 |
| 2 | ☐ | 5.000 | 4.201 | 18937.92 | 0.0026 | P | 1.7 |
| 3 | ☐ | 500.000 | 505.132 | 2306928.19 | 0.3094 | A | 3.9 |
| 4 | ☐ | 1250.000 | 1241.899 | 5705742.21 | 0.7606 | A | 1.0 |
| 5 | ☐ | 2500.000 | 2498.870 | 11528226.08 | 1.5304 | A | 1.4 |
| 6 | ☐ | 5000.000 | 4953.504 | 23033214.94 | 3.0337 | A | 1.2 |
| 7 | ☐ | 10000.000 | 10024.287 | 46472974.31 | 6.1391 | A | 0.7 |
| 8 | ☐ | | | 6331.44 | 0.0009 | P | 3.5 |

y = 6.1243E-004 * x + 7.8723E-006
R = 1.0000
DL = 0.00169
BEC = 0.01285

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1175.61 | 0.0002 | P | 3.7 |
| 2 | ☐ | 1.000 | 1.274 | 1244.51 | 0.0002 | P | 2.7 |
| 3 | ☐ | 50.000 | 54.679 | 7330.80 | 0.0014 | P | 1.8 |
| 4 | ☐ | 125.000 | 131.888 | 16660.78 | 0.0030 | P | 1.8 |
| 5 | ☐ | 250.000 | 260.366 | 32607.77 | 0.0057 | P | 1.6 |
| 6 | ☐ | 500.000 | 506.143 | 63435.42 | 0.0108 | P | 1.9 |
| 7 | ☐ | 1000.000 | 993.242 | 125972.90 | 0.0211 | P | 1.6 |
| 8 | ☐ | | | 1160.06 | 0.0002 | P | 5.1 |

y = 2.1020E-005 * x + 2.0388E-004
R = 0.9999
DL = 1.066
BEC = 9.699

Weight: <None>
Min Conc: 0

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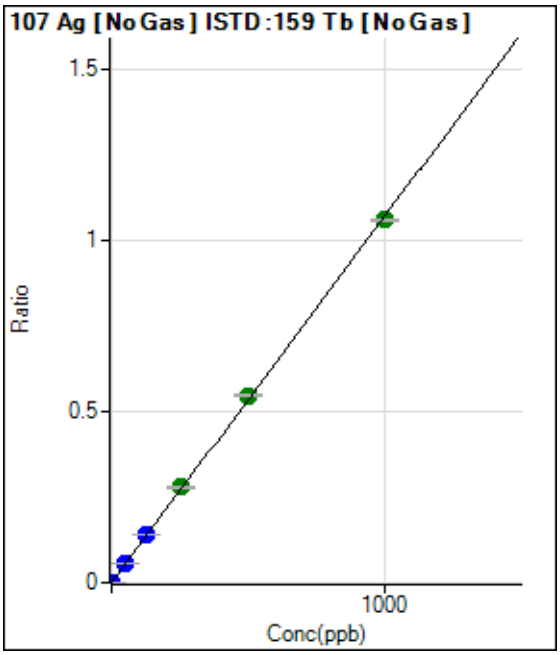
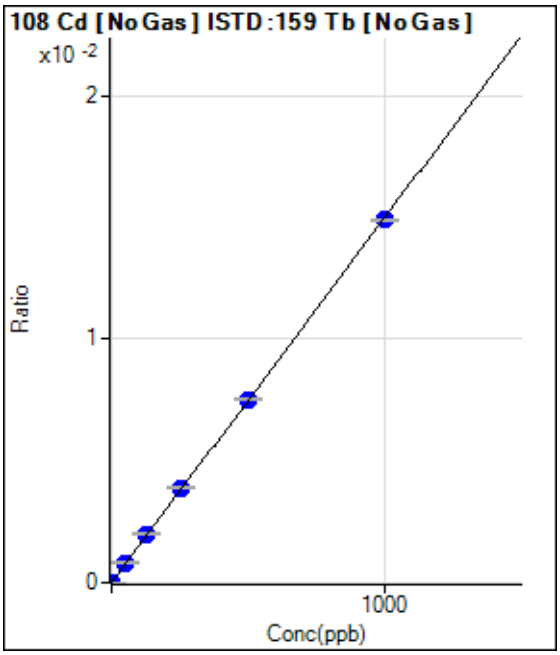



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 35.55 | 0.0000 | P | 17.3 |
| 2 | ☐ | 1.000 | 0.948 | 5506.64 | 0.0010 | P | 3.5 |
| 3 | ☐ | 50.000 | 54.088 | 313526.41 | 0.0579 | P | 2.5 |
| 4 | ☐ | 125.000 | 130.028 | 778933.78 | 0.1391 | P | 0.2 |
| 5 | ☐ | 250.000 | 261.340 | 1606311.04 | 0.2796 | A | 2.0 |
| 6 | ☐ | 500.000 | 510.648 | 3196356.69 | 0.5464 | A | 0.8 |
| 7 | ☐ | 1000.000 | 991.008 | 6335866.15 | 1.0604 | A | 0.6 |
| 8 | ☐ | | | 754.47 | 0.0001 | P | 18.4 |

y = 0.0011 * x + 6.1518E-006
R = 0.9998
DL = 0.00298
BEC = 0.005749

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 12.22 | 0.0000 | P | 33.3 |
| 2 | ☐ | 1.000 | 1.013 | 93.34 | 0.0000 | P | 7.1 |
| 3 | ☐ | 50.000 | 54.876 | 4465.18 | 0.0008 | P | 7.4 |
| 4 | ☐ | 125.000 | 132.616 | 11136.59 | 0.0020 | P | 4.4 |
| 5 | ☐ | 250.000 | 259.688 | 22358.44 | 0.0039 | P | 2.4 |
| 6 | ☐ | 500.000 | 503.127 | 44106.80 | 0.0075 | P | 0.7 |
| 7 | ☐ | 1000.000 | 994.819 | 89066.76 | 0.0149 | P | 0.3 |
| 8 | ☐ | | | 48.89 | 0.0000 | P | 35.9 |

y = 1.4982E-005 * x + 2.1279E-006
R = 0.9999
DL = 0.1418
BEC = 0.142

Weight: <None>
Min Conc: 0

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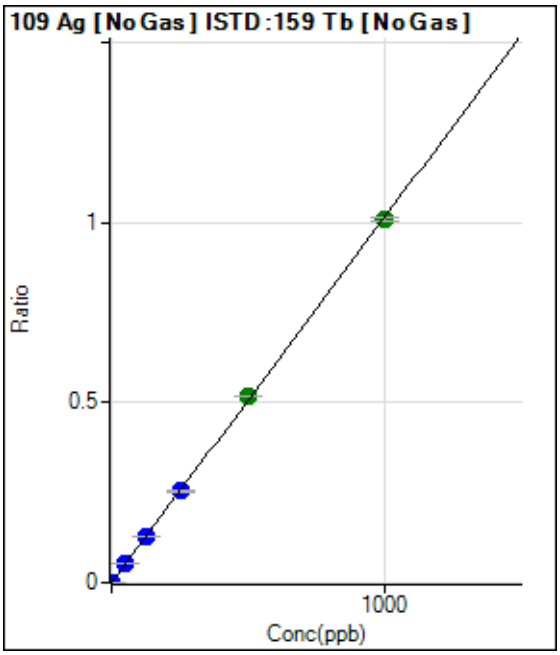
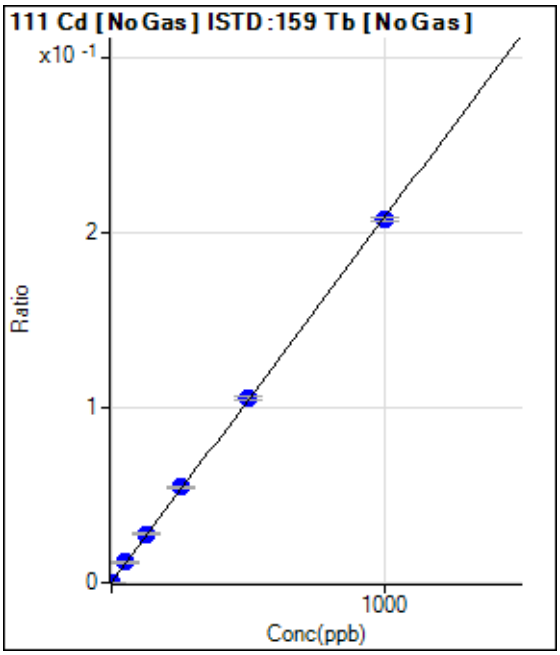



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 20.00 | 0.0000 | P | 74.5 |
| 2 | ☐ | 1.000 | 0.971 | 5341.03 | 0.0010 | P | 5.4 |
| 3 | ☐ | 50.000 | 53.310 | 293273.14 | 0.0541 | P | 2.5 |
| 4 | ☐ | 125.000 | 128.193 | 728832.44 | 0.1302 | P | 0.7 |
| 5 | ☐ | 250.000 | 250.876 | 1463380.64 | 0.2548 | P | 1.2 |
| 6 | ☐ | 500.000 | 511.570 | 3039017.49 | 0.5195 | A | 0.1 |
| 7 | ☐ | 1000.000 | 993.432 | 6027972.48 | 1.0088 | A | 1.0 |
| 8 | ☐ | | | 710.03 | 0.0001 | P | 12.9 |

y = 0.0010 * x + 3.4409E-006
R = 0.9999
DL = 0.007568
BEC = 0.003388

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 821.04 | 0.0001 | P | 3.9 |
| 2 | ☐ | 1.000 | 1.067 | 1966.99 | 0.0004 | P | 3.8 |
| 3 | ☐ | 50.000 | 54.675 | 62465.86 | 0.0115 | P | 2.1 |
| 4 | ☐ | 125.000 | 133.215 | 156158.77 | 0.0279 | P | 1.5 |
| 5 | ☐ | 250.000 | 260.521 | 312533.94 | 0.0544 | P | 1.3 |
| 6 | ☐ | 500.000 | 505.616 | 616980.42 | 0.1055 | P | 1.4 |
| 7 | ☐ | 1000.000 | 993.301 | 1237177.90 | 0.2071 | P | 1.1 |
| 8 | ☐ | | | 1036.71 | 0.0002 | P | 6.9 |

y = 2.0830E-004 * x + 1.4238E-004
R = 0.9999
DL = 0.08075
BEC = 0.6835

Weight: <None>
Min Conc: 0

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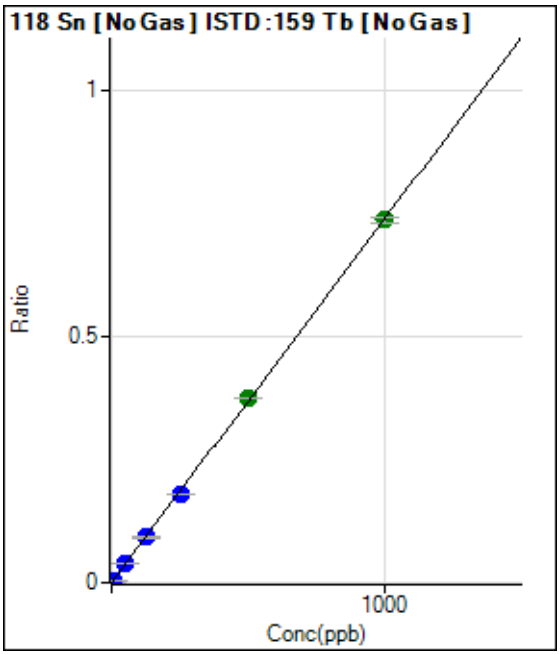
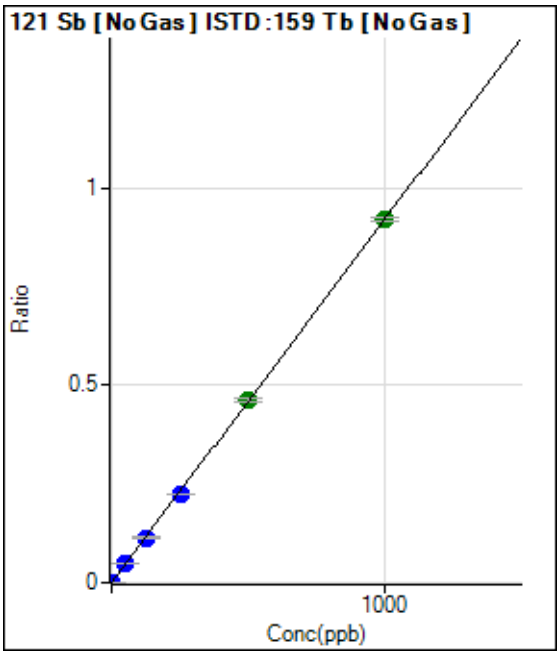



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 925.59 | 0.0002 | P | 2.8 |
| 2 | ☐ | 5.000 | 4.604 | 19205.10 | 0.0036 | P | 1.5 |
| 3 | ☐ | 50.000 | 51.392 | 206378.61 | 0.0381 | P | 2.2 |
| 4 | ☐ | 125.000 | 124.278 | 514534.07 | 0.0919 | P | 1.3 |
| 5 | ☐ | 250.000 | 242.627 | 1029763.24 | 0.1793 | P | 1.3 |
| 6 | ☐ | 500.000 | 507.602 | 2193033.89 | 0.3749 | A | 0.7 |
| 7 | ☐ | 1000.000 | 998.065 | 4403423.27 | 0.7369 | A | 1.4 |
| 8 | ☐ | | | 3355.99 | 0.0006 | P | 2.9 |

y = 7.3821E-004 * x + 1.6048E-004
R = 0.9999
DL = 0.01849
BEC = 0.2174

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 33.33 | 0.0000 | P | 26.7 |
| 2 | ☐ | 2.000 | 1.909 | 9493.20 | 0.0018 | P | 2.5 |
| 3 | ☐ | 50.000 | 51.248 | 255025.15 | 0.0471 | P | 2.5 |
| 4 | ☐ | 125.000 | 124.159 | 638515.95 | 0.1140 | P | 0.8 |
| 5 | ☐ | 250.000 | 243.860 | 1286670.08 | 0.2240 | P | 1.7 |
| 6 | ☐ | 500.000 | 503.882 | 2707510.86 | 0.4628 | A | 1.6 |
| 7 | ☐ | 1000.000 | 999.637 | 5486325.20 | 0.9182 | A | 1.0 |
| 8 | ☐ | | | 4392.93 | 0.0007 | P | 6.7 |

y = 9.1850E-004 * x + 5.7840E-006
R = 1.0000
DL = 0.005049
BEC = 0.006297

Weight: <None>
Min Conc: 0

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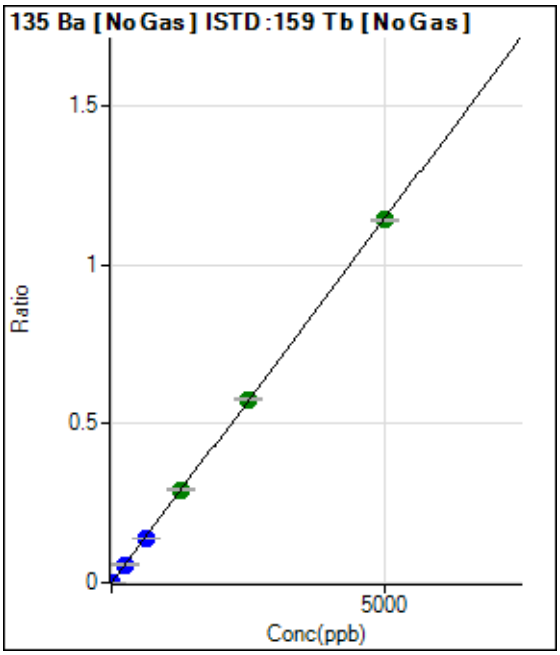
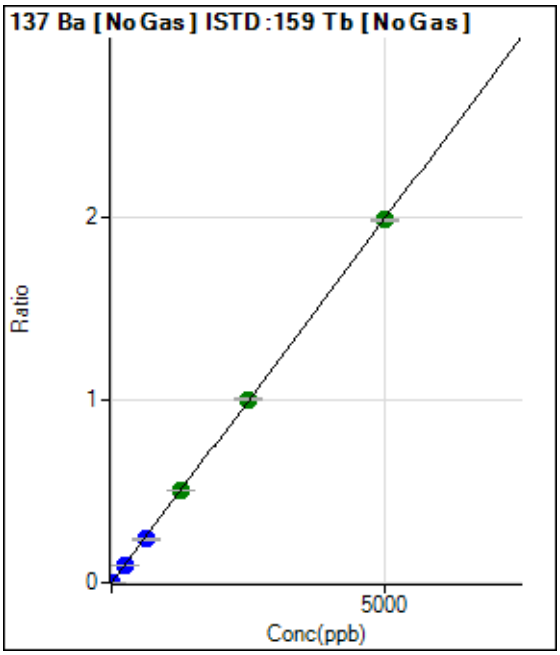



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 45.55 | 0.0000 | P | 15.4 |
| 2 | ☐ | 10.000 | 9.136 | 11329.03 | 0.0021 | P | 1.5 |
| 3 | ☐ | 250.000 | 248.899 | 308741.32 | 0.0570 | P | 2.3 |
| 4 | ☐ | 625.000 | 606.774 | 777828.15 | 0.1389 | P | 0.7 |
| 5 | ☐ | 1250.000 | 1274.764 | 1676678.35 | 0.2919 | A | 1.2 |
| 6 | ☐ | 2500.000 | 2522.257 | 3378321.97 | 0.5775 | A | 0.9 |
| 7 | ☐ | 5000.000 | 4985.015 | 6819706.56 | 1.1413 | A | 0.2 |
| 8 | ☐ | | | 2845.87 | 0.0005 | P | 7.5 |

y = 2.2895E-004 * x + 7.9033E-006
R = 1.0000
DL = 0.01595
BEC = 0.03452

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 67.78 | 0.0000 | P | 21.5 |
| 2 | ☐ | 10.000 | 9.079 | 19516.82 | 0.0036 | P | 0.4 |
| 3 | ☐ | 250.000 | 246.907 | 531190.91 | 0.0981 | P | 2.5 |
| 4 | ☐ | 625.000 | 596.045 | 1325189.32 | 0.2367 | P | 0.6 |
| 5 | ☐ | 1250.000 | 1264.064 | 2883426.42 | 0.5020 | A | 1.0 |
| 6 | ☐ | 2500.000 | 2523.529 | 5862239.08 | 1.0021 | A | 0.5 |
| 7 | ☐ | 5000.000 | 4988.495 | 11836299.82 | 1.9809 | A | 0.4 |
| 8 | ☐ | | | 4861.98 | 0.0008 | P | 2.5 |

y = 3.9710E-004 * x + 1.1732E-005
R = 1.0000
DL = 0.01901
BEC = 0.02955

Weight: <None>
Min Conc: 0

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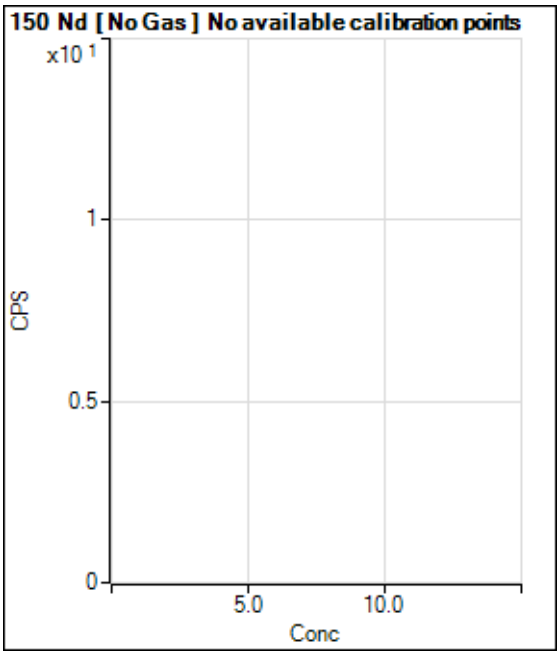
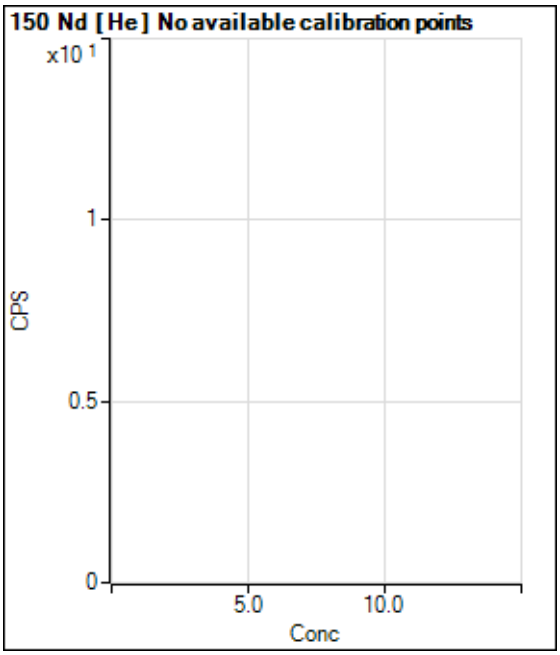



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 3.33 | | P | 173. |
| 2 | ☐ | | | 6.67 | | P | 50.0 |
| 3 | ☐ | | | 14.44 | | P | 35.3 |
| 4 | ☐ | | | 36.67 | | P | 9.1 |
| 5 | ☐ | | | 45.55 | | P | 15.2 |
| 6 | ☐ | | | 108.89 | | P | 12.4 |
| 7 | ☐ | | | 212.23 | | P | 10.2 |
| 8 | ☐ | | | 105.56 | | P | 18.0 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 4.44 | | P | 173. |
| 2 | ☐ | | | 4.45 | | P | 86.6 |
| 3 | ☐ | | | 3.33 | | P | 100. |
| 4 | ☐ | | | 6.67 | | P | 50.0 |
| 5 | ☐ | | | 15.56 | | P | 32.7 |
| 6 | ☐ | | | 32.22 | | P | 31.6 |
| 7 | ☐ | | | 62.22 | | P | 55.0 |
| 8 | ☐ | | | 65.56 | | P | 30.6 |

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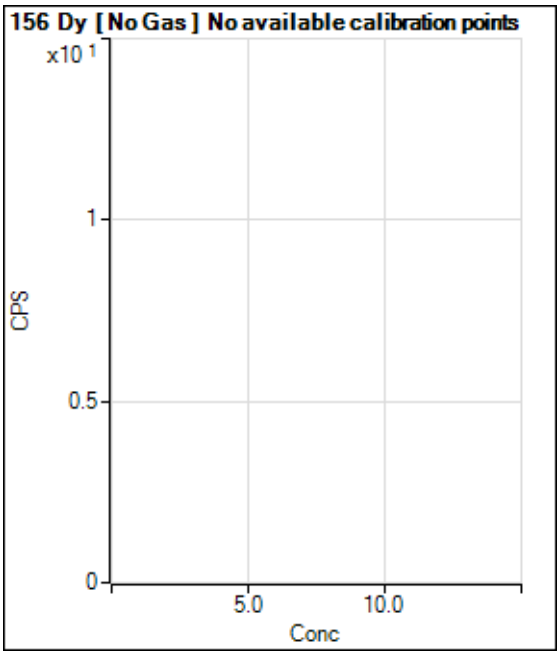
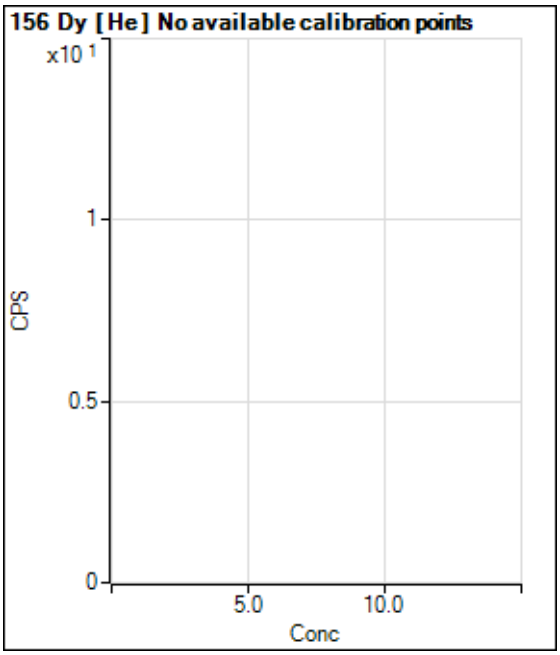



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 277.78 | | P | 12.3 |
| 2 | ☐ | | | 246.67 | | P | 18.7 |
| 3 | ☐ | | | 230.00 | | P | 10.4 |
| 4 | ☐ | | | 232.22 | | P | 15.8 |
| 5 | ☐ | | | 244.45 | | P | 9.3 |
| 6 | ☐ | | | 272.23 | | P | 1.4 |
| 7 | ☐ | | | 354.45 | | P | 10.6 |
| 8 | ☐ | | | 418.90 | | P | 7.6 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 86.67 | | P | 21.4 |
| 2 | ☐ | | | 75.56 | | P | 13.5 |
| 3 | ☐ | | | 65.56 | | P | 15.5 |
| 4 | ☐ | | | 105.56 | | P | 24.1 |
| 5 | ☐ | | | 141.11 | | P | 15.4 |
| 6 | ☐ | | | 213.34 | | P | 13.4 |
| 7 | ☐ | | | 400.01 | | P | 11.7 |
| 8 | ☐ | | | 221.12 | | P | 9.6 |

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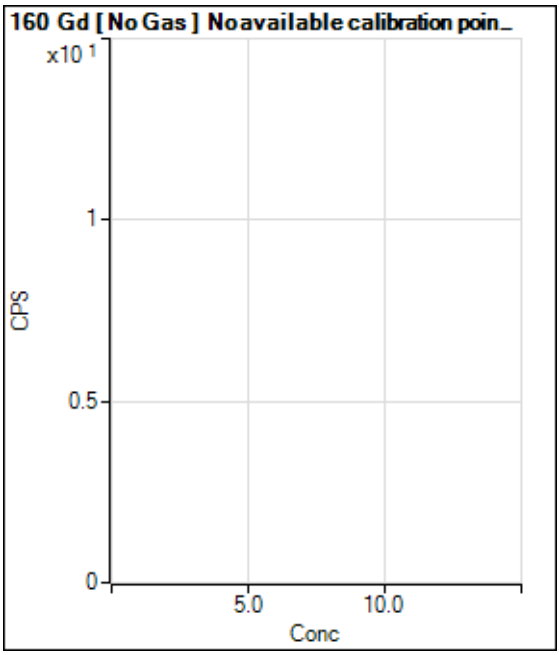
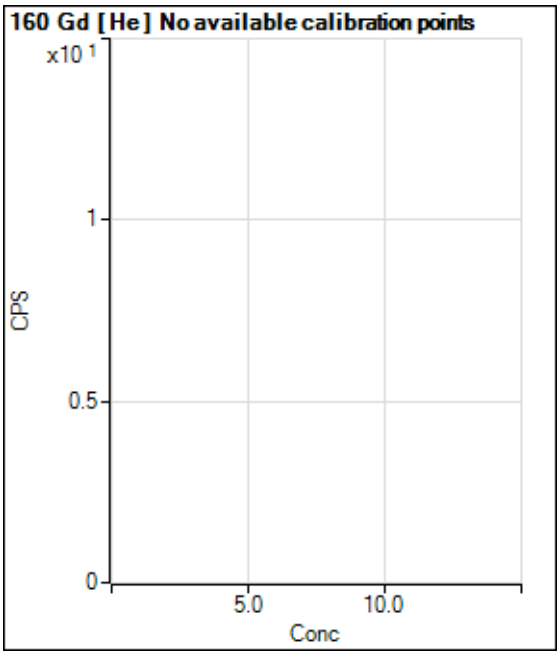



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 23.33 | | P | 37.8 |
| 2 | ☐ | | | 27.78 | | P | 25.0 |
| 3 | ☐ | | | 24.44 | | P | 20.8 |
| 4 | ☐ | | | 35.56 | | P | 5.4 |
| 5 | ☐ | | | 41.11 | | P | 32.8 |
| 6 | ☐ | | | 48.89 | | P | 25.8 |
| 7 | ☐ | | | 82.22 | | P | 13.0 |
| 8 | ☐ | | | 175.56 | | P | 2.9 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 171.11 | | P | 16.6 |
| 2 | ☐ | | | 145.56 | | P | 13.0 |
| 3 | ☐ | | | 165.56 | | P | 10.1 |
| 4 | ☐ | | | 150.00 | | P | 22.6 |
| 5 | ☐ | | | 160.00 | | P | 6.3 |
| 6 | ☐ | | | 166.67 | | P | 10.4 |
| 7 | ☐ | | | 200.01 | | P | 18.9 |
| 8 | ☐ | | | 255.56 | | P | 5.3 |

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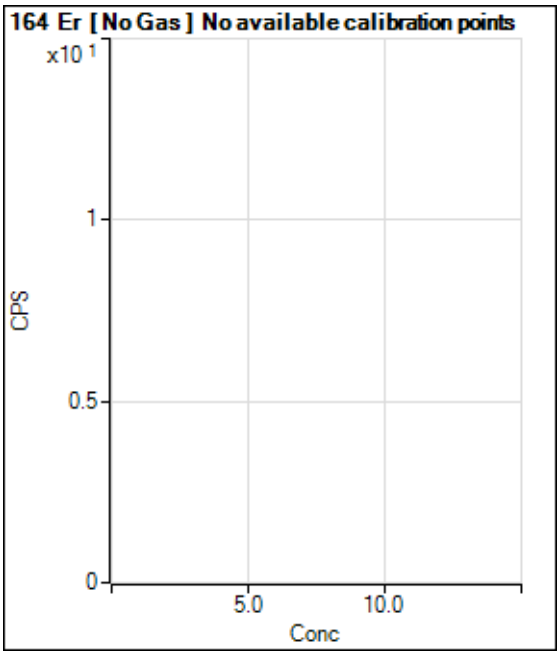
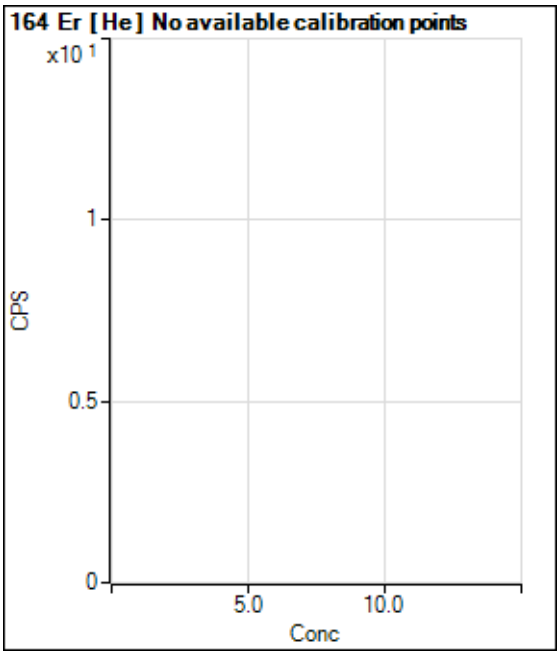



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 33.33 | | P | 20.0 |
| 2 | ☐ | | | 41.11 | | P | 16.9 |
| 3 | ☐ | | | 34.44 | | P | 14.8 |
| 4 | ☐ | | | 41.11 | | P | 38.3 |
| 5 | ☐ | | | 50.00 | | P | 30.5 |
| 6 | ☐ | | | 48.89 | | P | 10.4 |
| 7 | ☐ | | | 92.22 | | P | 2.1 |
| 8 | ☐ | | | 247.78 | | P | 18.2 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 28.89 | | P | 46.6 |
| 2 | ☐ | | | 18.89 | | P | 62.0 |
| 3 | ☐ | | | 28.89 | | P | 37.1 |
| 4 | ☐ | | | 32.22 | | P | 57.0 |
| 5 | ☐ | | | 28.89 | | P | 40.5 |
| 6 | ☐ | | | 47.78 | | P | 49.5 |
| 7 | ☐ | | | 57.78 | | P | 32.8 |
| 8 | ☐ | | | 162.23 | | P | 31.4 |

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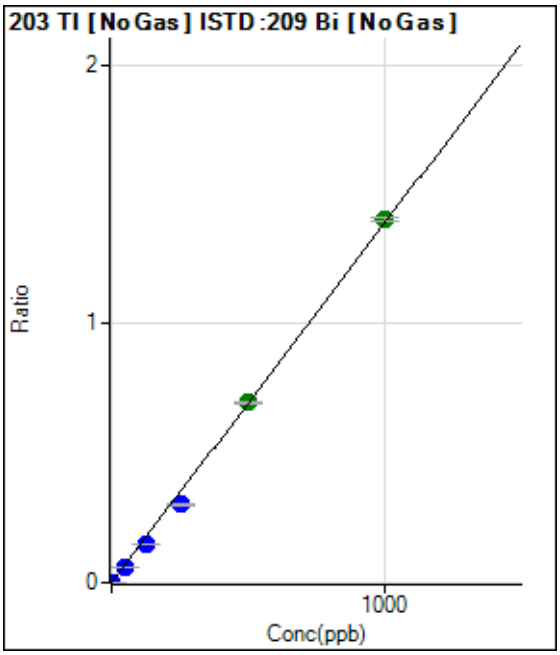
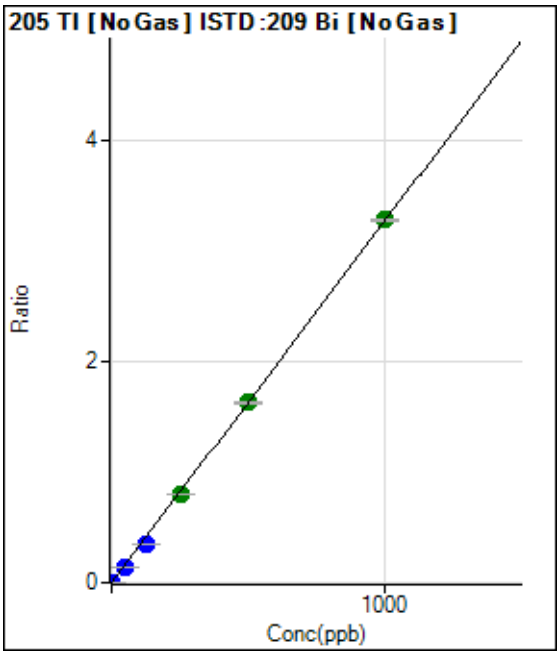



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 54.44 | 0.0000 | P | 33.8 |
| 2 | ☐ | 1.000 | 0.844 | 3780.56 | 0.0012 | P | 0.3 |
| 3 | ☐ | 50.000 | 44.559 | 198372.86 | 0.0619 | P | 0.8 |
| 4 | ☐ | 125.000 | 107.925 | 502360.71 | 0.1498 | P | 1.1 |
| 5 | ☐ | 250.000 | 217.644 | 1035789.50 | 0.3021 | P | 1.2 |
| 6 | ☐ | 500.000 | 501.493 | 2433380.78 | 0.6960 | A | 1.0 |
| 7 | ☐ | 1000.000 | 1009.749 | 5016517.46 | 1.4014 | A | 1.1 |
| 8 | ☐ | | | 701.14 | 0.0002 | P | 5.7 |

y = 0.0014 * x + 1.6327E-005
R = 0.9994
DL = 0.01195
BEC = 0.01176

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 152.22 | 0.0000 | P | 2.9 |
| 2 | ☐ | 1.000 | 0.813 | 8611.70 | 0.0027 | P | 3.5 |
| 3 | ☐ | 50.000 | 44.493 | 467125.36 | 0.1456 | P | 1.1 |
| 4 | ☐ | 125.000 | 107.727 | 1182408.09 | 0.3526 | P | 1.2 |
| 5 | ☐ | 250.000 | 244.938 | 2748699.45 | 0.8016 | A | 1.3 |
| 6 | ☐ | 500.000 | 498.375 | 5701960.26 | 1.6310 | A | 0.6 |
| 7 | ☐ | 1000.000 | 1004.512 | 11767789.96 | 3.2873 | A | 0.2 |
| 8 | ☐ | | | 1585.67 | 0.0005 | P | 7.3 |

y = 0.0033 * x + 4.5726E-005
R = 0.9999
DL = 0.001215
BEC = 0.01397

Weight: <None>
Min Conc: 0

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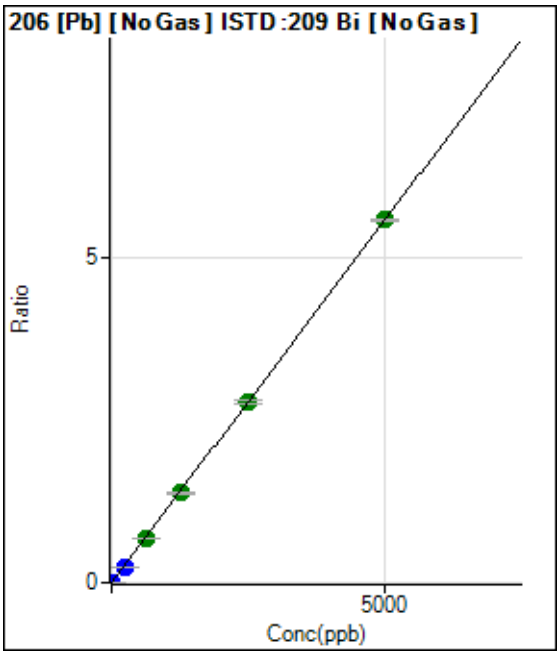
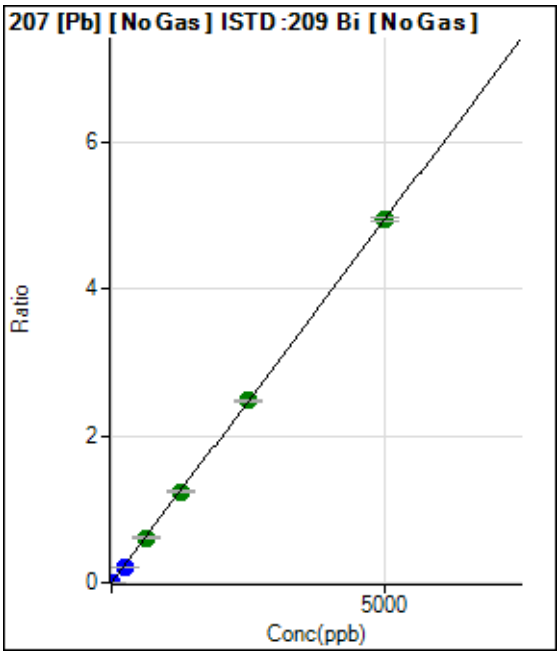



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 157.78 | 0.0000 | P | 19.2 |
| 2 | ☐ | 1.000 | 0.839 | 3122.61 | 0.0010 | P | 3.0 |
| 3 | ☐ | 250.000 | 222.769 | 795275.72 | 0.2480 | P | 1.4 |
| 4 | ☐ | 625.000 | 612.377 | 2285817.17 | 0.6816 | A | 1.8 |
| 5 | ☐ | 1250.000 | 1236.029 | 4717404.58 | 1.3757 | A | 2.2 |
| 6 | ☐ | 2500.000 | 2493.441 | 9702021.24 | 2.7751 | A | 1.5 |
| 7 | ☐ | 5000.000 | 5009.712 | 19959209.42 | 5.5756 | A | 0.8 |
| 8 | ☐ | | | 3963.96 | 0.0012 | P | 3.8 |

y = 0.0011 * x + 4.7547E-005
R = 1.0000
DL = 0.02454
BEC = 0.04272

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 165.56 | 0.0000 | P | 13.5 |
| 2 | ☐ | 1.000 | 0.797 | 2669.17 | 0.0008 | P | 1.5 |
| 3 | ☐ | 250.000 | 222.334 | 705505.78 | 0.2200 | P | 0.7 |
| 4 | ☐ | 625.000 | 620.197 | 2057529.52 | 0.6135 | A | 1.1 |
| 5 | ☐ | 1250.000 | 1249.088 | 4237029.42 | 1.2356 | A | 2.2 |
| 6 | ☐ | 2500.000 | 2505.123 | 8663195.63 | 2.4781 | A | 0.9 |
| 7 | ☐ | 5000.000 | 4999.650 | 17704098.07 | 4.9456 | A | 1.1 |
| 8 | ☐ | | | 3469.36 | 0.0010 | P | 6.3 |

y = 9.8918E-004 * x + 4.9802E-005
R = 1.0000
DL = 0.02036
BEC = 0.05035

Weight: <None>
Min Conc: 0

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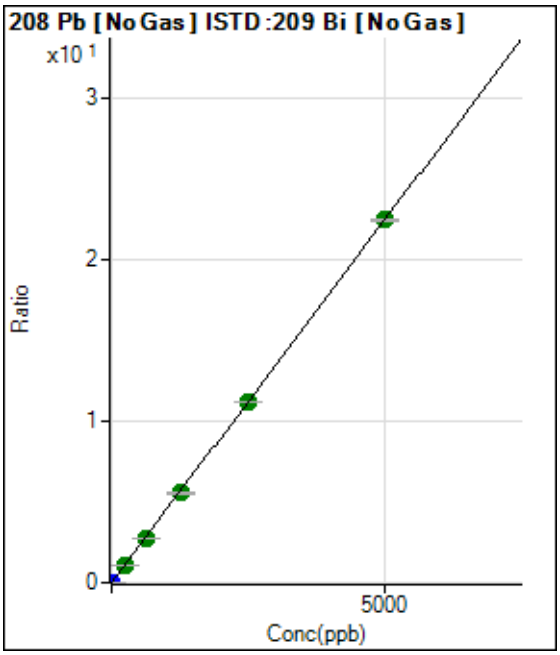
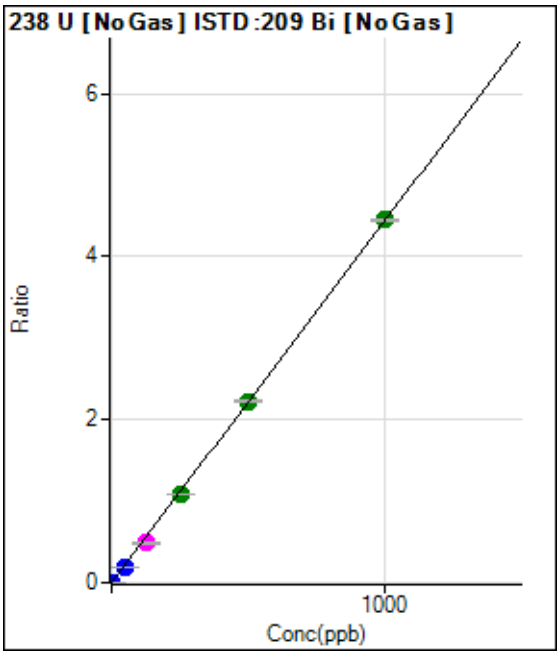



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 691.13 | 0.0002 | P | 12.7 |
| 2 | ☐ | 1.000 | 0.825 | 12432.36 | 0.0039 | P | 0.1 |
| 3 | ☐ | 250.000 | 239.072 | 3438065.11 | 1.0720 | A | 1.5 |
| 4 | ☐ | 625.000 | 619.246 | 9310897.00 | 2.7764 | A | 0.9 |
| 5 | ☐ | 1250.000 | 1240.071 | 19064208.57 | 5.5597 | A | 1.4 |
| 6 | ☐ | 2500.000 | 2496.352 | 39125540.18 | 11.1919 | A | 0.4 |
| 7 | ☐ | 5000.000 | 5005.572 | 80335967.97 | 22.4413 | A | 0.6 |
| 8 | ☐ | | | 15612.52 | 0.0047 | P | 3.2 |

y = 0.0045 * x + 2.0806E-004
R = 1.0000
DL = 0.01762
BEC = 0.04641

Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 21.11 | 0.0000 | P | 71.6 |
| 2 | ☐ | 1.000 | 0.788 | 11138.09 | 0.0035 | P | 2.0 |
| 3 | ☐ | 50.000 | 42.528 | 604713.62 | 0.1886 | P | 0.8 |
| 4 | ☐ | 125.000 | 109.370 | 1626499.54 | 0.4849 | M | 8.1 |
| 5 | ☐ | 250.000 | 244.554 | 3717841.51 | 1.0843 | A | 1.0 |
| 6 | ☐ | 500.000 | 500.278 | 7754923.29 | 2.2181 | A | 1.0 |
| 7 | ☐ | 1000.000 | 1003.550 | 15928064.34 | 4.4494 | A | 0.5 |
| 8 | ☐ | | | 842.26 | 0.0003 | P | 10.5 |

y = 0.0044 * x + 6.3254E-006
R = 0.9999
DL = 0.003065
BEC = 0.001427

Weight: <None>
Min Conc: 0

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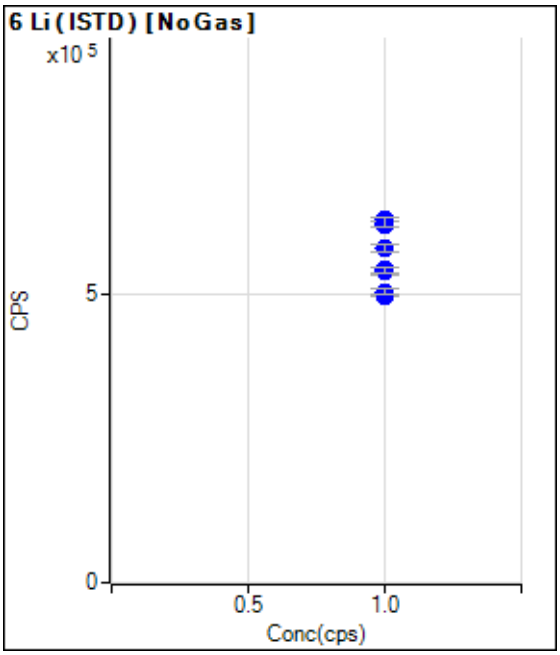
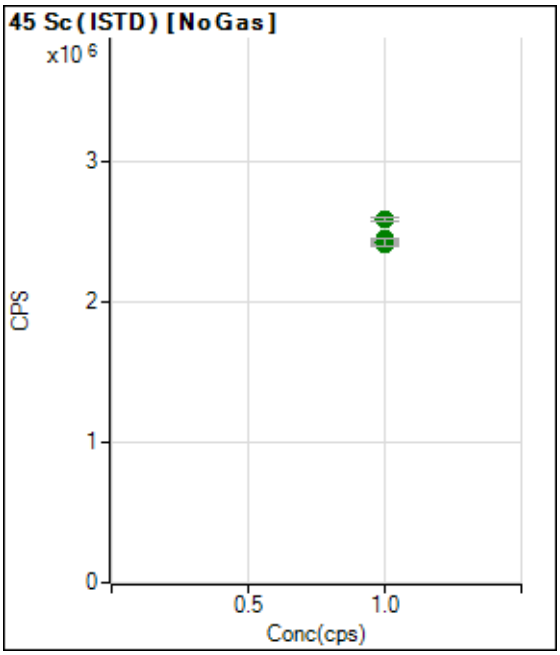



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 539485.65 | | P | 2.1 |
| 2 | ☐ | 1.000 | | 497389.69 | | P | 0.8 |
| 3 | ☐ | 1.000 | | 503241.04 | | P | 2.0 |
| 4 | ☐ | 1.000 | | 541886.31 | | P | 2.0 |
| 5 | ☐ | 1.000 | | 578717.97 | | P | 2.5 |
| 6 | ☐ | 1.000 | | 620672.86 | | P | 1.6 |
| 7 | ☐ | 1.000 | | 628274.63 | | P | 0.9 |
| 8 | ☐ | 1.000 | | 623210.00 | | P | 2.5 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 2588558.59 | | A | 1.1 |
| 2 | ☐ | 1.000 | | 2438795.66 | | A | 1.4 |
| 3 | ☐ | 1.000 | | 2418835.07 | | A | 2.0 |
| 4 | ☐ | 1.000 | | 2431653.19 | | A | 0.6 |
| 5 | ☐ | 1.000 | | 2450441.32 | | A | 0.4 |
| 6 | ☐ | 1.000 | | 2430083.61 | | A | 1.2 |
| 7 | ☐ | 1.000 | | 2415107.29 | | A | 0.4 |
| 8 | ☐ | 1.000 | | 2430004.20 | | A | 2.2 |

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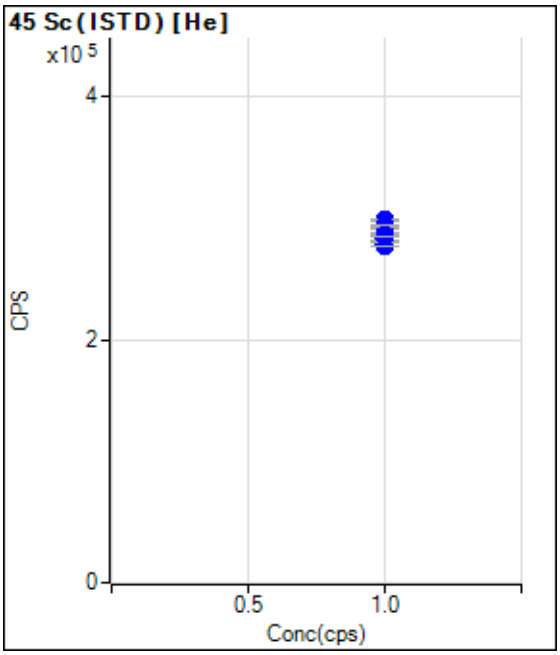
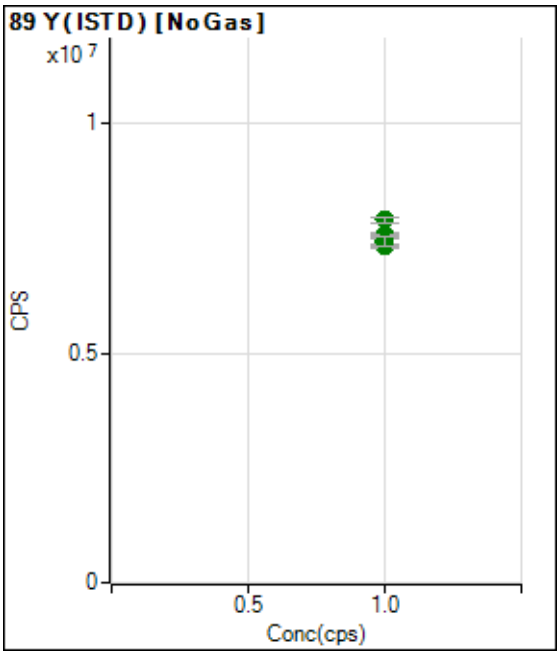



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 298677.21 | | P | 0.5 |
| 2 | ☐ | 1.000 | | 291790.60 | | P | 0.3 |
| 3 | ☐ | 1.000 | | 293721.91 | | P | 0.3 |
| 4 | ☐ | 1.000 | | 287203.47 | | P | 0.2 |
| 5 | ☐ | 1.000 | | 283425.18 | | P | 1.1 |
| 6 | ☐ | 1.000 | | 277102.94 | | P | 0.4 |
| 7 | ☐ | 1.000 | | 278474.99 | | P | 0.9 |
| 8 | ☐ | 1.000 | | 285099.50 | | P | 0.3 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 7907013.36 | | A | 1.7 |
| 2 | ☐ | 1.000 | | 7338513.71 | | A | 1.4 |
| 3 | ☐ | 1.000 | | 7460398.29 | | A | 1.8 |
| 4 | ☐ | 1.000 | | 7501837.95 | | A | 0.5 |
| 5 | ☐ | 1.000 | | 7532953.08 | | A | 0.3 |
| 6 | ☐ | 1.000 | | 7592509.75 | | A | 0.8 |
| 7 | ☐ | 1.000 | | 7569790.09 | | A | 0.8 |
| 8 | ☐ | 1.000 | | 7436668.08 | | A | 2.5 |

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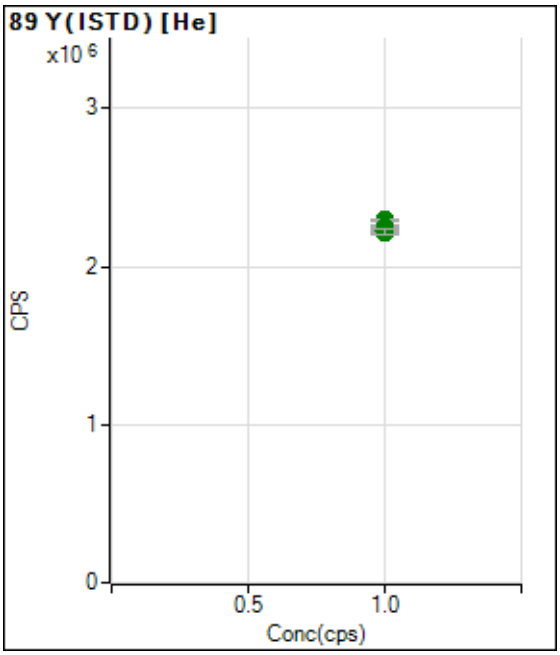
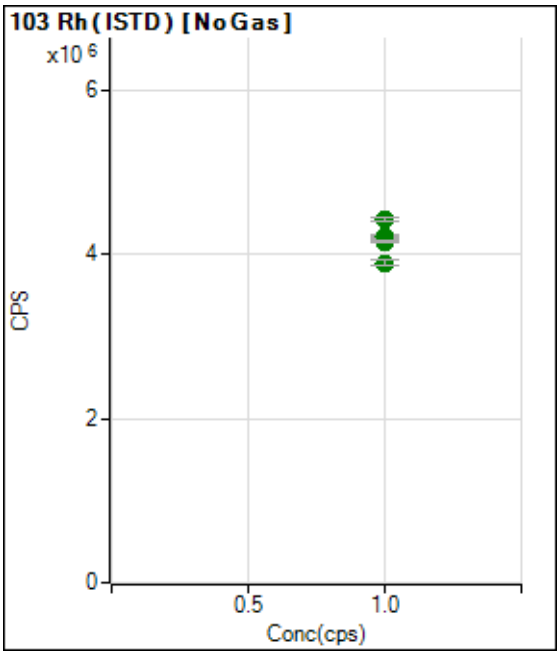



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 2294071.72 | | A | 0.7 |
| 2 | ☐ | 1.000 | | 2254273.14 | | A | 0.3 |
| 3 | ☐ | 1.000 | | 2237096.25 | | A | 0.9 |
| 4 | ☐ | 1.000 | | 2254398.13 | | A | 0.7 |
| 5 | ☐ | 1.000 | | 2233433.75 | | A | 0.6 |
| 6 | ☐ | 1.000 | | 2210192.52 | | A | 1.3 |
| 7 | ☐ | 1.000 | | 2212893.23 | | A | 0.3 |
| 8 | ☐ | 1.000 | | 2223451.48 | | A | 1.6 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 4422860.49 | | A | 1.0 |
| 2 | ☐ | 1.000 | | 4205904.91 | | A | 0.8 |
| 3 | ☐ | 1.000 | | 4195921.78 | | A | 1.1 |
| 4 | ☐ | 1.000 | | 4205536.43 | | A | 0.9 |
| 5 | ☐ | 1.000 | | 4218010.95 | | A | 1.3 |
| 6 | ☐ | 1.000 | | 4187827.68 | | A | 0.5 |
| 7 | ☐ | 1.000 | | 4151082.58 | | A | 0.5 |
| 8 | ☐ | 1.000 | | 3893679.94 | | A | 1.9 |

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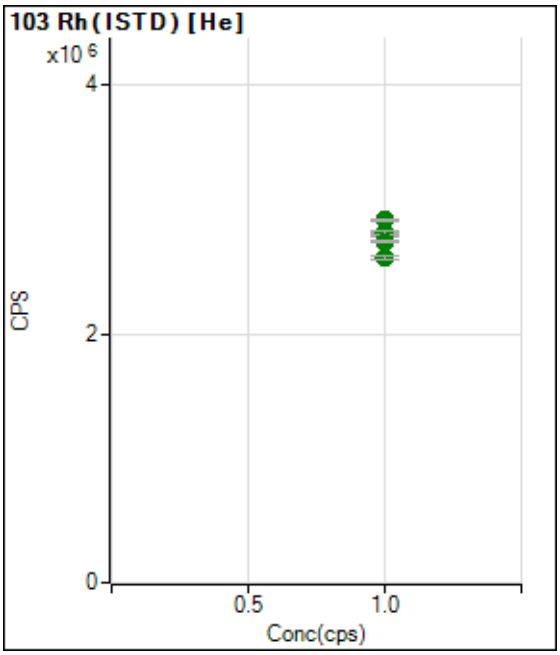
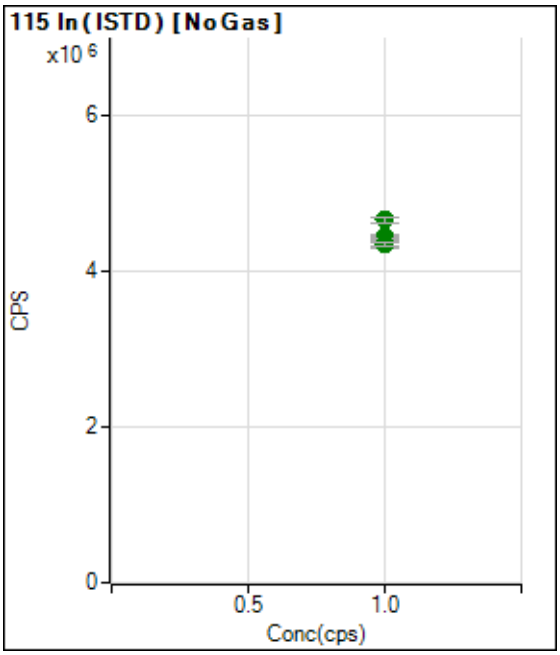



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 2918335.83 | | A | 0.4 |
| 2 | ☐ | 1.000 | | 2792918.29 | | A | 0.9 |
| 3 | ☐ | 1.000 | | 2809521.73 | | A | 0.9 |
| 4 | ☐ | 1.000 | | 2820984.51 | | A | 0.4 |
| 5 | ☐ | 1.000 | | 2812615.51 | | A | 0.8 |
| 6 | ☐ | 1.000 | | 2745400.62 | | A | 0.1 |
| 7 | ☐ | 1.000 | | 2744324.54 | | A | 0.4 |
| 8 | ☐ | 1.000 | | 2612871.56 | | A | 1.0 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 4650803.77 | | A | 1.4 |
| 2 | ☐ | 1.000 | | 4327616.03 | | A | 1.3 |
| 3 | ☐ | 1.000 | | 4340714.17 | | A | 1.7 |
| 4 | ☐ | 1.000 | | 4434410.85 | | A | 1.6 |
| 5 | ☐ | 1.000 | | 4435892.98 | | A | 0.8 |
| 6 | ☐ | 1.000 | | 4422047.78 | | A | 0.7 |
| 7 | ☐ | 1.000 | | 4411767.79 | | A | 0.4 |
| 8 | ☐ | 1.000 | | 4336672.94 | | A | 0.7 |

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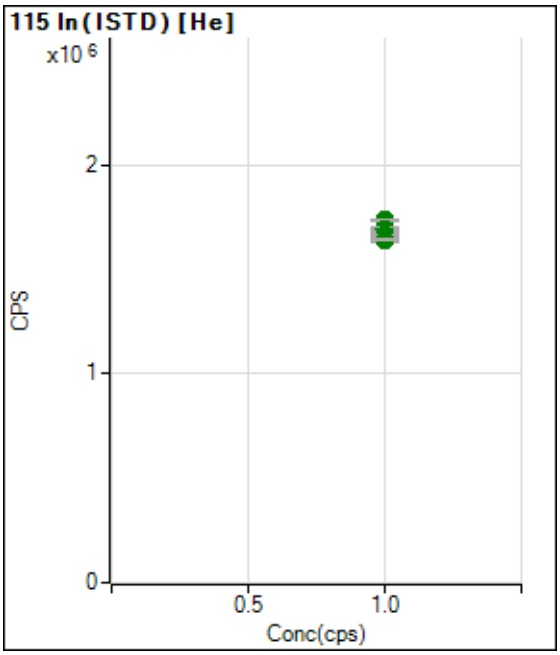
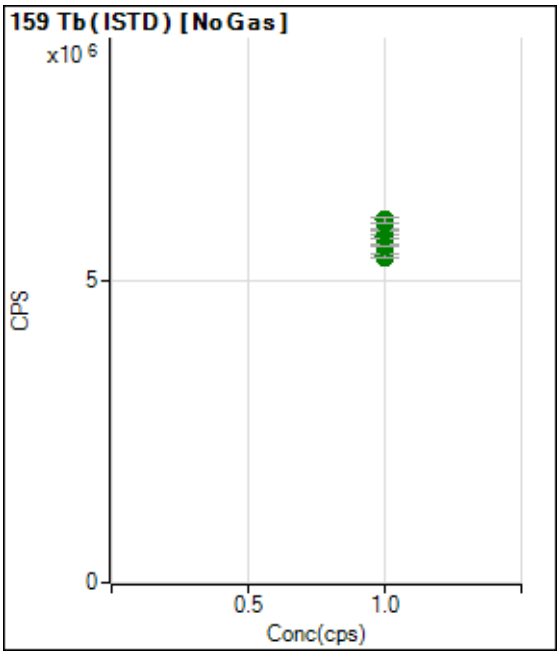



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 1735927.39 | | A | 0.8 |
| 2 | ☐ | 1.000 | | 1682681.83 | | A | 0.8 |
| 3 | ☐ | 1.000 | | 1689397.70 | | A | 1.2 |
| 4 | ☐ | 1.000 | | 1664682.71 | | A | 0.9 |
| 5 | ☐ | 1.000 | | 1694354.52 | | A | 1.2 |
| 6 | ☐ | 1.000 | | 1660986.31 | | A | 0.8 |
| 7 | ☐ | 1.000 | | 1637713.68 | | A | 0.7 |
| 8 | ☐ | 1.000 | | 1641785.18 | | A | 0.2 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 5765152.35 | | A | 2.1 |
| 2 | ☐ | 1.000 | | 5395589.64 | | A | 0.3 |
| 3 | ☐ | 1.000 | | 5417884.15 | | A | 1.1 |
| 4 | ☐ | 1.000 | | 5598450.06 | | A | 0.9 |
| 5 | ☐ | 1.000 | | 5744416.30 | | A | 1.0 |
| 6 | ☐ | 1.000 | | 5849892.90 | | A | 0.5 |
| 7 | ☐ | 1.000 | | 5975135.40 | | A | 0.3 |
| 8 | ☐ | 1.000 | | 6023692.76 | | A | 1.9 |

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On:10/30/2024 3:42:59 PM
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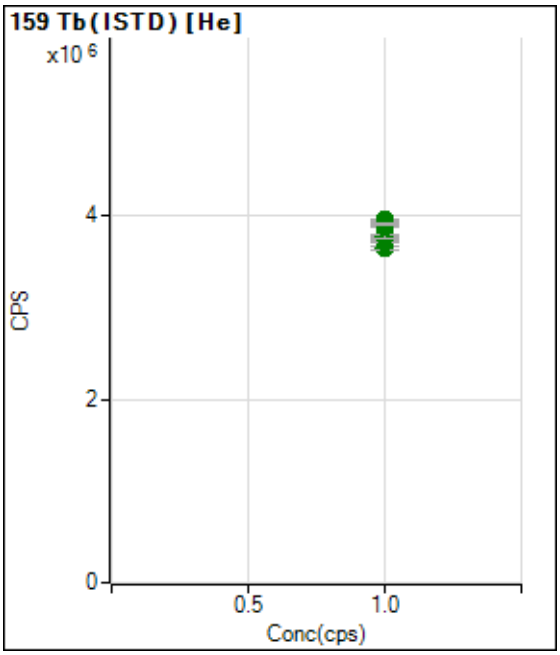
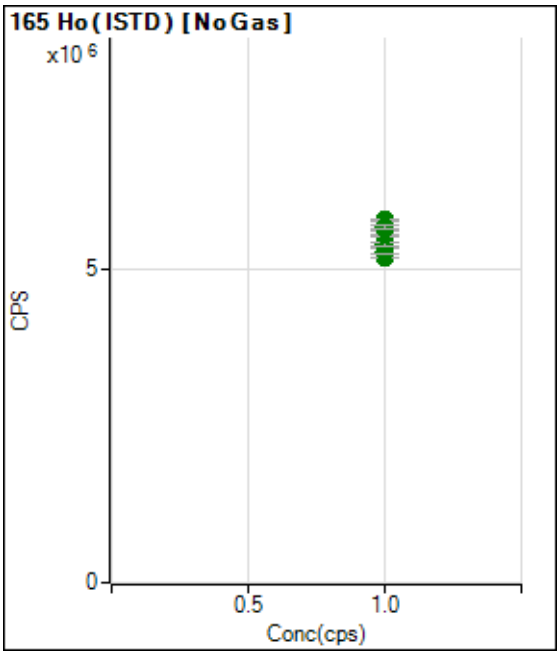
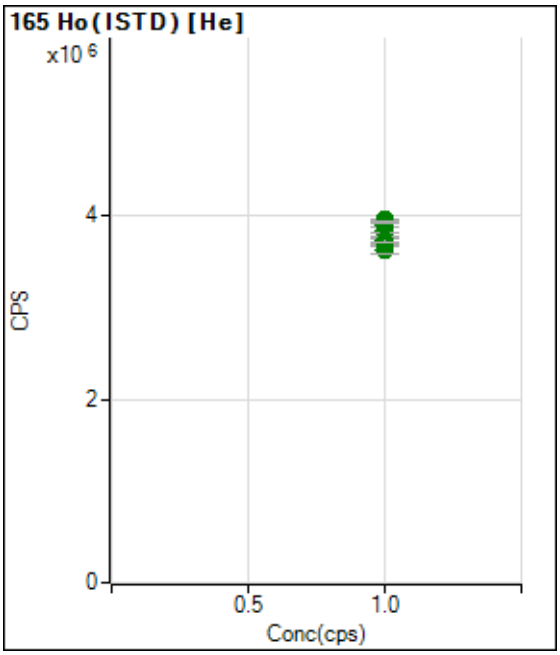



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 3794036.78 | | A | 0.3 |
| 2 | ☐ | 1.000 | | 3649622.90 | | A | 0.8 |
| 3 | ☐ | 1.000 | | 3725187.76 | | A | 0.1 |
| 4 | ☐ | 1.000 | | 3784660.81 | | A | 1.3 |
| 5 | ☐ | 1.000 | | 3894230.84 | | A | 0.9 |
| 6 | ☐ | 1.000 | | 3895382.48 | | A | 1.0 |
| 7 | ☐ | 1.000 | | 3960839.11 | | A | 0.8 |
| 8 | ☐ | 1.000 | | 3916400.19 | | A | 0.9 |

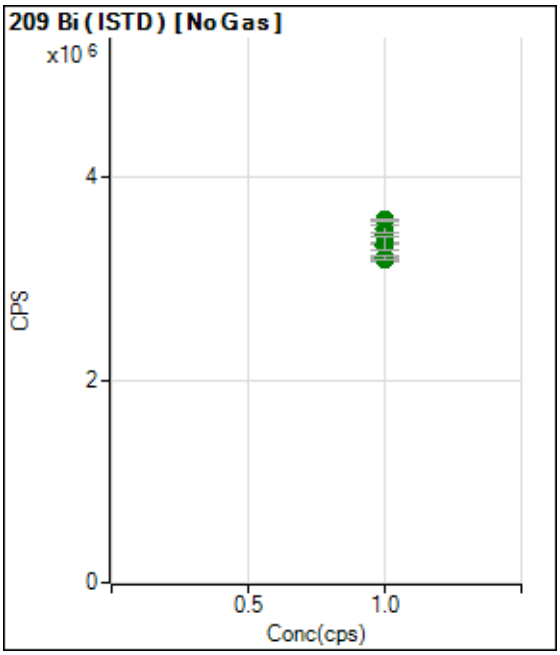



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 5580940.96 | | A | 1.5 |
| 2 | ☐ | 1.000 | | 5197526.90 | | A | 0.5 |
| 3 | ☐ | 1.000 | | 5305575.93 | | A | 1.4 |
| 4 | ☐ | 1.000 | | 5400763.81 | | A | 1.1 |
| 5 | ☐ | 1.000 | | 5557944.64 | | A | 0.5 |
| 6 | ☐ | 1.000 | | 5675760.33 | | A | 1.5 |
| 7 | ☐ | 1.000 | | 5804225.89 | | A | 0.4 |
| 8 | ☐ | 1.000 | | 5693787.56 | | A | 1.1 |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 3731798.24 | | A | 0.9 |
| 2 | ☐ | 1.000 | | 3624524.35 | | A | 2.1 |
| 3 | ☐ | 1.000 | | 3683740.40 | | A | 0.0 |
| 4 | ☐ | 1.000 | | 3738451.26 | | A | 1.8 |
| 5 | ☐ | 1.000 | | 3843742.55 | | A | 1.5 |
| 6 | ☐ | 1.000 | | 3904280.25 | | A | 1.2 |
| 7 | ☐ | 1.000 | | 3953481.85 | | A | 0.7 |
| 8 | ☐ | 1.000 | | 3922631.58 | | A | 0.4 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 3328331.24 | | A | 2.3 |
| 2 | ☐ | 1.000 | | 3183674.02 | | A | 0.9 |
| 3 | ☐ | 1.000 | | 3206976.55 | | A | 1.4 |
| 4 | ☐ | 1.000 | | 3353499.98 | | A | 0.4 |
| 5 | ☐ | 1.000 | | 3428950.40 | | A | 1.2 |
| 6 | ☐ | 1.000 | | 3495840.19 | | A | 1.9 |
| 7 | ☐ | 1.000 | | 3579823.49 | | A | 0.5 |
| 8 | ☐ | 1.000 | | 3347138.39 | | A | 4.0 |

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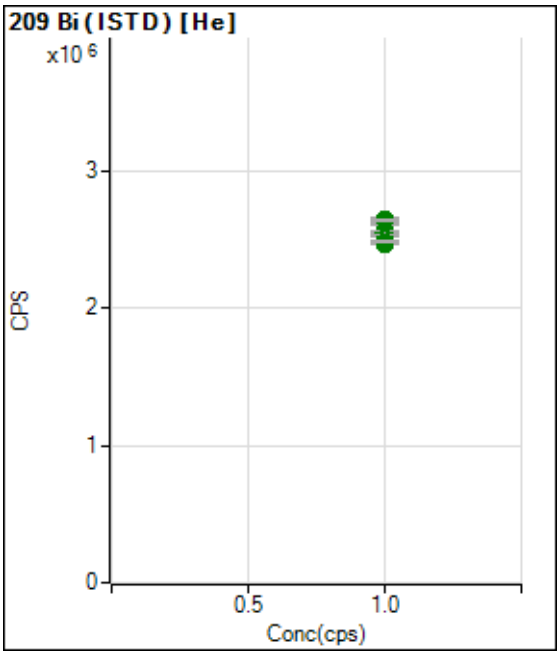



| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 2538018.95 | | A | 0.7 |
| 2 | ☐ | 1.000 | | 2469520.76 | | A | 0.5 |
| 3 | ☐ | 1.000 | | 2470681.20 | | A | 0.6 |
| 4 | ☐ | 1.000 | | 2555631.16 | | A | 1.0 |
| 5 | ☐ | 1.000 | | 2621545.12 | | A | 1.2 |
| 6 | ☐ | 1.000 | | 2645384.08 | | A | 1.3 |
| 7 | ☐ | 1.000 | | 2645952.10 | | A | 0.5 |
| 8 | ☐ | 1.000 | | 2488142.90 | | A | 0.2 |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7
ClientSampleId :TUNE007

# US EPA Tune Check Report

| | |
|---|---|
| **Operator Name** | Jaswal |
| **Acq/Data Batch** | D:\Agilent\ICPMH\1\DATA\P7103024 MS.b |
| **Acq. Date-Time** | 2024-10-30 11:23:44 |
| **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 | | 4244 | 42439.84 | | | 2.177 | 5.000 |
| 24 | | 137872 | 1378717.33 | | | 1.106 | 5.000 |
| 25 | | 19773 | 197729.13 | | | 1.365 | 5.000 |
| 26 | | 23913 | 239130.49 | | | 1.544 | 5.000 |
| 59 | | 38742 | 387419.07 | | | 1.566 | 5.000 |
| 113 | | 2988 | 29875.63 | | | 2.352 | 5.000 |
| 115 | | 66351 | 663509.26 | | | 2.134 | 5.000 |
| 206 | | 13280 | 132798.67 | | | 2.388 | 5.000 |
| 207 | | 10918 | 109182.48 | | | 2.611 | 5.000 |
| 208 | | 26989 | 269891.35 | | | 2.746 | 5.000 |
| 220 | | 1 | 6.20 | | | 26.503 | |

| 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 | 4312 | 4325 | 4282 | 4106 | 4195 |
| 24 | 138630 | 137594 | 137530 | 135738 | 139867 |
| 25 | 19983 | 19959 | 19804 | 19314 | 19806 |
| 26 | 24237 | 24118 | 23955 | 23286 | 23968 |
| 59 | 39474 | 38891 | 38742 | 37789 | 38813 |
| 113 | 3072 | 3026 | 2991 | 2884 | 2965 |
| 115 | 68203 | 66985 | 66268 | 64345 | 65954 |
| 206 | 13758 | 13394 | 13218 | 12925 | 13104 |
| 207 | 11289 | 11100 | 10886 | 10562 | 10754 |
| 208 | 27985 | 27366 | 26902 | 26009 | 26683 |

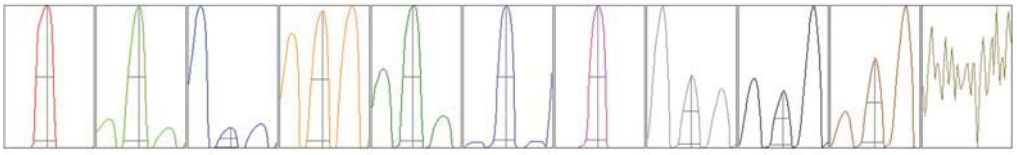
Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7
ClientSampleId :TUNE007

# 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 | 0 | 1 |

Integration Time [sec] 0.1

**Resolution/Axis**



| Mass | Peak Height | Axis | Axis (Required) | Axis (Flag) |
|---|---|---|---|---|
| 9 | 7436.91 | 8.95 | 8.90 - 9.10 | |
| 24 | 257241.05 | 23.95 | 23.90 - 24.10 | |
| 25 | 35548.08 | 24.95 | 24.90 - 25.10 | |
| 26 | 42620.85 | 25.95 | 25.90 - 26.10 | |
| 59 | 68257.93 | 58.90 | 58.90 - 59.10 | |
| 113 | 5735.13 | 112.95 | 112.90 - 113.10 | |
| 115 | 127475.70 | 114.95 | 114.90 - 115.10 | |
| 206 | 26855.69 | 206.00 | 205.90 - 206.10 | |
| 207 | 22142.54 | 207.00 | 206.90 - 207.10 | |
| 208 | 54617.65 | 208.00 | 207.90 - 208.10 | |
| 220 | | | - | |

| Mass | W-50% | W-5% | W-5% (Required) | W-5% (Flag) |
|---|---|---|---|---|
| 9 | 0.60 | 0.736 | 0.900 | |
| 24 | 0.59 | 0.813 | 0.900 | |
| 25 | 0.58 | 0.749 | 0.900 | |
| 26 | 0.58 | 0.771 | 0.900 | |
| 59 | 0.61 | 0.781 | 0.900 | |
| 113 | 0.53 | 0.728 | 0.900 | |
| 115 | 0.54 | 0.707 | 0.900 | |
| 206 | 0.51 | 0.735 | 0.900 | |
| 207 | 0.51 | 0.738 | 0.900 | |
| 208 | 0.50 | 0.763 | 0.900 | |
| 220 | | | | |

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

**Tune Parameters**

**Plasma Parameters**

Plasma Mode --- Nebulizer Gas 0.75 L/min Dilution Gas 0.40 L/min

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7
ClientSampleId :TUNE007

# 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 | 10.0 V | Deflect | 16.6 V |
| Extract 2 | -250.0 V | Cell Entrance | -30 V | Plate Bias | -35 V |
| Omega Bias | -105 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 | 190 V | | |

**QP Parameters**

| | | | | | |
|---|---|---|---|---|---|
| Mass Gain | 136 | Axis Gain | 0.9979 | QP Bias | -3.0 V |
| Mass Offset | 130 | Axis Offset | 0.06 | | |

**Hardware Settings**

**Torch**

| | | | | | |
|---|---|---|---|---|---|
| Torch H | -0.6 mm | Torch V | 0.6 mm | | |

**EM**

| | | | | | |
|---|---|---|---|---|---|
| Discriminator | 4.9 mV | Analog HV | 2429 V | Pulse HV | 2000 V |

**[He]**

**Sensitivity**

| Mass | Conc. [ug/l] | Count | CPS | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD% | RSD% (Required) |
|---|---|---|---|---|---|---|---|
| 59 | | 17486 | 174864.98 | | | 0.418 | |
| 89 | | 85072 | 850722.23 | | | 1.514 | |
| 205 | | 17544 | 175443.90 | | | 0.355 | |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|---|---|---|---|---|---|
| 59 | 17537 | 17542 | 17517 | 17367 | 17469 |
| 89 | 87124 | 85519 | 84551 | 84069 | 84099 |
| 205 | 17562 | 17444 | 17616 | 17547 | 17552 |

Integration Time [sec] 0.1

**Tune Parameters**

**Plasma Parameters**

| | | | | | |
|---|---|---|---|---|---|
| Plasma Mode | --- | Nebulizer Gas | 0.75 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 | 10.3 V | Deflect | 3.8 V |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7
ClientSampleId :TUNE007

# US EPA Tune Check Report

| | | | | | |
|---|---|---|---|---|---|
| Extract 2 | -235.0 V | Cell Entrance | -40 V | Plate Bias | -60 V |
| Omega Bias | -110 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 | 130 | Axis Offset | 0.06 | | |

**Hardware Settings**

**Torch**

| | | | |
|---|---|---|---|
| Torch H | -0.6 mm | Torch V | 0.6 mm |

**EM**

| | | | | | |
|---|---|---|---|---|---|
| Discriminator | 4.9 mV | Analog HV | 2429 V | Pulse HV | 2000 V |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S00 | Instrumnet Name : | P7 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:18:29 | DataFile Name : | 004CALB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | -0.22 | -0.16 | 0.39 | 0.00 | N/A | ppb |
| Antimony | 121-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Arsenic | 75-2 | 0.00 | 0.01 | 0.00 | 0.00 | N/A | ppb |
| Barium | 135-1 | 0.00 | 0.01 | 0.00 | 0.00 | N/A | ppb |
| Barium | 137-1 | 0.00 | 0.00 | -0.01 | 0.00 | N/A | ppb |
| Beryllium | 9-1 | -0.01 | 0.02 | -0.01 | 0.00 | N/A | ppb |
| Bismuth | 209-1 | | | | 100 | | % |
| Bismuth | 209-2 | | | | 100 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.03 | -0.03 | 0.05 | 0.00 | N/A | ppb |
| Cadmium | 106-1 | 0.24 | -0.41 | 0.16 | 0.00 | N/A | ppb |
| Cadmium | 111-1 | 0.02 | -0.03 | 0.01 | 0.00 | N/A | ppb |
| Calcium | 43-1 | 0.24 | 1.70 | -1.94 | 0.00 | N/A | ppb |
| Calcium | 44-1 | -0.88 | 0.68 | 0.20 | 0.00 | N/A | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.02 | -0.01 | -0.01 | 0.00 | N/A | ppb |
| Cobalt | 59-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Copper | 63-2 | 0.00 | -0.01 | 0.01 | 0.00 | N/A | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 100 | | % |
| Holmium | 165-2 | | | | 100 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 0.09 | 0.05 | -0.14 | 0.00 | N/A | ppb |
| Iron | 57-2 | 1.28 | 0.02 | -1.30 | 0.00 | N/A | ppb |
| Iron | 54-2 | -0.03 | 0.28 | -0.25 | 0.00 | N/A | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S00 | Instrumnet Name : | P7 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:18:29 | DataFile Name : | 004CALB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | -0.01 | 0.00 | 0.01 | 0.00 | N/A | ppb |
| Lead | 207-1 | 0.00 | -0.01 | 0.01 | 0.00 | N/A | ppb |
| Lead | 208-1 | -0.01 | 0.00 | 0.01 | 0.00 | N/A | ppb |
| Lithium | 6-1 | | | | 100 | | % |
| Magnesium | 24-2 | -0.08 | 0.11 | -0.03 | 0.00 | N/A | ppb |
| Manganese | 55-2 | 0.00 | -0.02 | 0.02 | 0.00 | N/A | ppb |
| Molybdenum | 94-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Molybdenum | 95-1 | -0.01 | 0.01 | 0.00 | 0.00 | N/A | ppb |
| Molybdenum | 96-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Molybdenum | 97-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Molybdenum | 98-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.02 | 0.00 | -0.02 | 0.00 | N/A | ppb |
| Phosphorus | 31-2 | -17.09 | -16.43 | -22.53 | -18.68 | | ppb |
| Potassium | 39-2 | 1.39 | -0.95 | -0.44 | 0.00 | N/A | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 0.52 | -0.27 | -0.25 | 0.00 | N/A | ppb |
| Selenium | 77-2 | 0.00 | 0.37 | -0.37 | 0.00 | N/A | ppb |
| Selenium | 78-2 | 0.51 | -1.18 | 0.68 | 0.00 | N/A | ppb |
| Silicon | 28-1 | -0.53 | 0.18 | 0.35 | 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 | 0.58 | -1.03 | 0.45 | 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 | -229.27 | -232.28 | -80.27 | -180.61 | | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Thallium | 205-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Tin | 118-1 | 0.01 | 0.00 | -0.01 | 0.00 | N/A | ppb |
| Titanium | 47-1 | -0.03 | 0.02 | 0.01 | 0.00 | N/A | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S00 | Instrumnet Name : | P7 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:18:29 | DataFile Name : | 004CALB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Vanadium | 51-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | -0.05 | 0.08 | -0.02 | 0.00 | N/A | ppb |
| Zirconium | 90-1 | 0.01 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Zirconium | 91-1 | 0.00 | 0.01 | -0.01 | 0.00 | N/A | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S02 | Instrumnet Name : | P7 |
| Client Sample ID : | S02 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:25:05 | DataFile Name : | 006CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 18.40 | 19.26 | 18.68 | 18.78 | 2.35 | ppb |
| Antimony | 121-1 | 1.86 | 1.96 | 1.90 | 1.91 | 2.50 | ppb |
| Arsenic | 75-2 | 0.96 | 1.29 | 1.01 | 1.09 | 16.44 | ppb |
| Barium | 135-1 | 8.98 | 9.25 | 9.17 | 9.14 | 1.52 | ppb |
| Barium | 137-1 | 9.06 | 9.12 | 9.06 | 9.08 | 0.38 | ppb |
| Beryllium | 9-1 | 1.08 | 1.00 | 1.01 | 1.03 | 4.20 | ppb |
| Bismuth | 209-1 | | | | 96 | | % |
| Bismuth | 209-2 | | | | 97 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.10 | 1.01 | 0.93 | 1.01 | 8.11 | ppb |
| Cadmium | 106-1 | 1.40 | 0.93 | 1.49 | 1.27 | 23.53 | ppb |
| Cadmium | 111-1 | 1.10 | 0.99 | 1.11 | 1.07 | 6.23 | ppb |
| Calcium | 43-1 | 488.74 | 477.27 | 494.37 | 486.79 | 1.79 | ppb |
| Calcium | 44-1 | 491.41 | 490.73 | 497.37 | 493.17 | 0.74 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 2.04 | 2.03 | 2.04 | 2.03 | 0.36 | ppb |
| Cobalt | 59-2 | 1.01 | 0.98 | 0.99 | 0.99 | 1.83 | ppb |
| Copper | 63-2 | 1.87 | 1.78 | 1.91 | 1.86 | 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 | | | | 93 | | % |
| Holmium | 165-2 | | | | 97 | | % |
| Indium | 115-1 | | | | 93 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 51.71 | 51.19 | 51.83 | 51.58 | 0.65 | ppb |
| Iron | 57-2 | 51.89 | 54.23 | 59.13 | 55.09 | 6.71 | ppb |
| Iron | 54-2 | 56.98 | 55.12 | 55.93 | 56.01 | 1.67 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S02 | Instrumnet Name : | P7 |
| Client Sample ID : | S02 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:25:05 | DataFile Name : | 006CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.86 | 0.85 | 0.81 | 0.84 | 3.18 | ppb |
| Lead | 207-1 | 0.80 | 0.78 | 0.81 | 0.80 | 1.55 | ppb |
| Lead | 208-1 | 0.83 | 0.82 | 0.82 | 0.82 | 0.06 | ppb |
| Lithium | 6-1 | | | | 92 | | % |
| Magnesium | 24-2 | 509.99 | 500.80 | 507.74 | 506.18 | 0.95 | ppb |
| Manganese | 55-2 | 0.99 | 1.05 | 0.99 | 1.01 | 3.48 | ppb |
| Molybdenum | 94-1 | 5.44 | 5.11 | 5.11 | 5.22 | 3.65 | ppb |
| Molybdenum | 95-1 | 4.28 | 4.31 | 4.14 | 4.24 | 2.09 | ppb |
| Molybdenum | 96-1 | 4.30 | 4.38 | 4.42 | 4.37 | 1.37 | ppb |
| Molybdenum | 97-1 | 4.24 | 4.18 | 4.32 | 4.25 | 1.66 | ppb |
| Molybdenum | 98-1 | 4.17 | 4.15 | 4.28 | 4.20 | 1.67 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 1.12 | 0.94 | 1.09 | 1.05 | 8.99 | ppb |
| Phosphorus | 31-2 | 18.50 | 20.50 | 17.05 | 18.68 | 9.28 | ppb |
| Potassium | 39-2 | 515.06 | 511.18 | 517.48 | 514.58 | 0.62 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 94 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | 5.37 | 4.01 | 5.00 | 4.79 | 14.69 | ppb |
| Selenium | 77-2 | 3.75 | 6.02 | 4.87 | 4.88 | 23.31 | ppb |
| Selenium | 78-2 | 4.78 | 7.81 | 4.45 | 5.68 | 32.65 | ppb |
| Silicon | 28-1 | 5.81 | 4.97 | 5.38 | 5.38 | 7.83 | ppb |
| Silver | 107-1 | 0.91 | 0.98 | 0.95 | 0.95 | 3.48 | ppb |
| Silver | 109-1 | 0.91 | 0.99 | 1.01 | 0.97 | 5.43 | ppb |
| Sodium | 23-2 | 495.92 | 489.57 | 496.45 | 493.98 | 0.77 | ppb |
| Strontium | 86-1 | 0.96 | 1.01 | 0.96 | 0.98 | 2.95 | ppb |
| Strontium | 88-1 | 0.95 | 0.98 | 0.98 | 0.97 | 1.42 | ppb |
| Sulfur | 34-1 | 292.77 | 62.93 | 186.11 | 180.61 | 63.69 | ppb |
| Terbium | 159-1 | | | | 94 | | % |
| Terbium | 159-2 | | | | 96 | | % |
| Thallium | 203-1 | 0.84 | 0.84 | 0.85 | 0.84 | 0.29 | ppb |
| Thallium | 205-1 | 0.79 | 0.80 | 0.84 | 0.81 | 3.58 | ppb |
| Tin | 118-1 | 4.52 | 4.64 | 4.65 | 4.60 | 1.53 | ppb |
| Titanium | 47-1 | 4.36 | 4.37 | 4.48 | 4.40 | 1.59 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S02 | Instrumnet Name : | P7 |
| Client Sample ID : | S02 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:25:05 | DataFile Name : | 006CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.79 | 0.77 | 0.80 | 0.79 | 2.04 | ppb |
| Vanadium | 51-2 | 4.91 | 4.92 | 4.86 | 4.90 | 0.69 | ppb |
| Yttrium | 89-1 | | | | 93 | | % |
| Yttrium | 89-2 | | | | 98 | | % |
| Zinc | 66-2 | 5.02 | 4.63 | 5.01 | 4.89 | 4.64 | ppb |
| Zirconium | 90-1 | 0.95 | 0.94 | 0.97 | 0.95 | 1.34 | ppb |
| Zirconium | 91-1 | 0.97 | 0.99 | 0.97 | 0.98 | 1.44 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S03 | Instrumnet Name : | P7 |
| Client Sample ID : | S03 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:28:22 | DataFile Name : | 007CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1016.12 | 1018.70 | 1025.25 | 1020.02 | 0.46 | ppb |
| Antimony | 121-1 | 49.76 | 52.06 | 51.92 | 51.25 | 2.51 | ppb |
| Arsenic | 75-2 | 52.44 | 53.39 | 51.98 | 52.61 | 1.37 | ppb |
| Barium | 135-1 | 242.79 | 254.14 | 249.77 | 248.90 | 2.30 | ppb |
| Barium | 137-1 | 239.94 | 251.22 | 249.56 | 246.91 | 2.47 | ppb |
| Beryllium | 9-1 | 53.01 | 57.20 | 57.88 | 56.03 | 4.70 | ppb |
| Bismuth | 209-1 | | | | 96 | | % |
| Bismuth | 209-2 | | | | 97 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 50.62 | 55.27 | 58.74 | 54.88 | 7.42 | ppb |
| Cadmium | 106-1 | 53.75 | 55.98 | 54.30 | 54.68 | 2.13 | ppb |
| Cadmium | 111-1 | 53.65 | 55.96 | 54.42 | 54.68 | 2.15 | ppb |
| Calcium | 43-1 | 5668.21 | 6204.18 | 5778.75 | 5883.71 | 4.81 | ppb |
| Calcium | 44-1 | 5443.05 | 5749.58 | 5512.58 | 5568.40 | 2.89 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 51.56 | 51.32 | 50.95 | 51.27 | 0.60 | ppb |
| Cobalt | 59-2 | 50.26 | 50.39 | 50.42 | 50.36 | 0.17 | ppb |
| Copper | 63-2 | 494.62 | 500.01 | 498.54 | 497.72 | 0.56 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 95 | | % |
| Holmium | 165-2 | | | | 99 | | % |
| Indium | 115-1 | | | | 93 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 2602.17 | 2592.80 | 2569.97 | 2588.31 | 0.64 | ppb |
| Iron | 57-2 | 2631.61 | 2653.13 | 2638.63 | 2641.12 | 0.42 | ppb |
| Iron | 54-2 | 2716.98 | 2701.61 | 2701.05 | 2706.55 | 0.33 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S03 | Instrumnet Name : | P7 |
| Client Sample ID : | S03 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:28:22 | DataFile Name : | 007CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 220.73 | 226.41 | 221.17 | 222.77 | 1.42 | ppb |
| Lead | 207-1 | 220.52 | 223.39 | 223.09 | 222.33 | 0.71 | ppb |
| Lead | 208-1 | 236.26 | 243.23 | 237.73 | 239.07 | 1.54 | ppb |
| Lithium | 6-1 | | | | 93 | | % |
| Magnesium | 24-2 | 4909.10 | 4875.58 | 4939.76 | 4908.15 | 0.65 | ppb |
| Manganese | 55-2 | 509.87 | 512.36 | 512.11 | 511.45 | 0.27 | ppb |
| Molybdenum | 94-1 | 480.62 | 512.55 | 505.01 | 499.40 | 3.34 | ppb |
| Molybdenum | 95-1 | 481.46 | 512.97 | 504.24 | 499.55 | 3.26 | ppb |
| Molybdenum | 96-1 | 478.78 | 510.94 | 509.99 | 499.90 | 3.66 | ppb |
| Molybdenum | 97-1 | 478.15 | 512.11 | 499.00 | 496.42 | 3.45 | ppb |
| Molybdenum | 98-1 | 482.99 | 521.44 | 510.97 | 505.13 | 3.93 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 51.69 | 52.55 | 52.49 | 52.24 | 0.92 | ppb |
| Phosphorus | 31-2 | 996.82 | 976.86 | 967.74 | 980.47 | 1.52 | ppb |
| Potassium | 39-2 | 2709.29 | 2713.97 | 2715.03 | 2712.76 | 0.11 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 93 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | 47.83 | 54.43 | 53.10 | 51.79 | 6.74 | ppb |
| Selenium | 77-2 | 51.12 | 54.57 | 50.66 | 52.12 | 4.09 | ppb |
| Selenium | 78-2 | 50.27 | 52.70 | 53.90 | 52.29 | 3.54 | ppb |
| Silicon | 28-1 | 55.89 | 60.56 | 57.24 | 57.90 | 4.15 | ppb |
| Silver | 107-1 | 52.76 | 55.51 | 53.99 | 54.09 | 2.55 | ppb |
| Silver | 109-1 | 51.87 | 54.47 | 53.59 | 53.31 | 2.48 | ppb |
| Sodium | 23-2 | 5086.08 | 4930.12 | 4999.46 | 5005.22 | 1.56 | ppb |
| Strontium | 86-1 | 1269.52 | 1321.99 | 1317.69 | 1303.07 | 2.24 | ppb |
| Strontium | 88-1 | 1252.34 | 1325.58 | 1302.31 | 1293.41 | 2.89 | ppb |
| Sulfur | 34-1 | 1271.75 | 1557.18 | 1119.25 | 1316.06 | 16.89 | ppb |
| Terbium | 159-1 | | | | 94 | | % |
| Terbium | 159-2 | | | | 98 | | % |
| Thallium | 203-1 | 44.38 | 44.99 | 44.32 | 44.56 | 0.83 | ppb |
| Thallium | 205-1 | 43.94 | 44.93 | 44.61 | 44.49 | 1.14 | ppb |
| Tin | 118-1 | 50.29 | 52.58 | 51.30 | 51.39 | 2.24 | ppb |
| Titanium | 47-1 | 504.59 | 533.26 | 508.01 | 515.29 | 3.04 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S03 | Instrumnet Name : | P7 |
| Client Sample ID : | S03 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:28:22 | DataFile Name : | 007CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 42.35 | 42.90 | 42.33 | 42.53 | 0.76 | ppb |
| Vanadium | 51-2 | 51.09 | 50.85 | 50.40 | 50.78 | 0.70 | ppb |
| Yttrium | 89-1 | | | | 94 | | % |
| Yttrium | 89-2 | | | | 98 | | % |
| Zinc | 66-2 | 493.92 | 498.73 | 497.85 | 496.83 | 0.52 | ppb |
| Zirconium | 90-1 | 48.62 | 51.69 | 51.00 | 50.44 | 3.20 | ppb |
| Zirconium | 91-1 | 48.61 | 51.95 | 50.58 | 50.38 | 3.33 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S04 | Instrumnet Name : | P7 |
| Client Sample ID : | S04 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:31:33 | DataFile Name : | 008CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2524.36 | 2511.35 | 2489.82 | 2508.51 | 0.70 | ppb |
| Antimony | 121-1 | 122.96 | 124.57 | 124.94 | 124.16 | 0.85 | ppb |
| Arsenic | 75-2 | 126.96 | 125.40 | 126.20 | 126.19 | 0.62 | ppb |
| Barium | 135-1 | 601.82 | 610.17 | 608.33 | 606.77 | 0.72 | ppb |
| Barium | 137-1 | 592.14 | 598.13 | 597.87 | 596.05 | 0.57 | ppb |
| Beryllium | 9-1 | 133.89 | 132.56 | 134.82 | 133.76 | 0.85 | ppb |
| Bismuth | 209-1 | | | | 101 | | % |
| Bismuth | 209-2 | | | | 101 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 131.45 | 127.42 | 138.98 | 132.62 | 4.42 | ppb |
| Cadmium | 106-1 | 133.22 | 133.47 | 128.98 | 131.89 | 1.91 | ppb |
| Cadmium | 111-1 | 131.12 | 135.22 | 133.30 | 133.21 | 1.54 | ppb |
| Calcium | 43-1 | 14369.02 | 14487.52 | 14543.03 | 14466.52 | 0.61 | ppb |
| Calcium | 44-1 | 13031.68 | 13355.96 | 12979.28 | 13122.31 | 1.55 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 127.73 | 128.09 | 126.64 | 127.49 | 0.59 | ppb |
| Cobalt | 59-2 | 124.80 | 125.11 | 123.83 | 124.58 | 0.54 | ppb |
| Copper | 63-2 | 1287.58 | 1308.25 | 1282.90 | 1292.91 | 1.04 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 97 | | % |
| Holmium | 165-2 | | | | 100 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 6462.70 | 6440.09 | 6366.90 | 6423.23 | 0.78 | ppb |
| Iron | 57-2 | 6710.71 | 6660.42 | 6557.38 | 6642.84 | 1.18 | ppb |
| Iron | 54-2 | 6810.71 | 6706.48 | 6686.35 | 6734.51 | 0.99 | ppb |
| Krypton | 83-1 | | | | | | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S04 | Instrumnet Name : | P7 |
| Client Sample ID : | S04 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:31:33 | DataFile Name : | 008CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 599.41 | 619.86 | 617.86 | 612.38 | 1.84 | ppb |
| Lead | 207-1 | 613.66 | 627.55 | 619.38 | 620.20 | 1.13 | ppb |
| Lead | 208-1 | 612.75 | 623.73 | 621.25 | 619.25 | 0.93 | ppb |
| Lithium | 6-1 | | | | 100 | | % |
| Magnesium | 24-2 | 12221.37 | 12195.36 | 12178.60 | 12198.45 | 0.18 | ppb |
| Manganese | 55-2 | 1267.41 | 1254.79 | 1240.37 | 1254.19 | 1.08 | ppb |
| Molybdenum | 94-1 | 1228.69 | 1250.34 | 1269.12 | 1249.38 | 1.62 | ppb |
| Molybdenum | 95-1 | 1228.21 | 1240.72 | 1263.70 | 1244.21 | 1.45 | ppb |
| Molybdenum | 96-1 | 1220.81 | 1270.16 | 1268.22 | 1253.06 | 2.23 | ppb |
| Molybdenum | 97-1 | 1222.51 | 1248.02 | 1264.04 | 1244.86 | 1.68 | ppb |
| Molybdenum | 98-1 | 1227.72 | 1249.02 | 1248.95 | 1241.90 | 0.99 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 130.86 | 129.88 | 128.13 | 129.62 | 1.07 | ppb |
| Phosphorus | 31-2 | 2481.48 | 2513.23 | 2532.08 | 2508.93 | 1.02 | ppb |
| Potassium | 39-2 | 6274.46 | 6347.57 | 6323.49 | 6315.17 | 0.59 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 94 | | % |
| Scandium | 45-2 | | | | 96 | | % |
| Selenium | 82-1 | 127.56 | 130.54 | 129.90 | 129.33 | 1.21 | ppb |
| Selenium | 77-2 | 119.12 | 121.86 | 110.00 | 116.99 | 5.31 | ppb |
| Selenium | 78-2 | 130.49 | 124.29 | 133.99 | 129.59 | 3.79 | ppb |
| Silicon | 28-1 | 135.19 | 137.70 | 139.56 | 137.48 | 1.60 | ppb |
| Silver | 107-1 | 129.89 | 130.27 | 129.93 | 130.03 | 0.16 | ppb |
| Silver | 109-1 | 127.46 | 129.25 | 127.87 | 128.19 | 0.73 | ppb |
| Sodium | 23-2 | 12329.56 | 12179.27 | 12286.57 | 12265.13 | 0.63 | ppb |
| Strontium | 86-1 | 3089.54 | 3192.63 | 3162.62 | 3148.26 | 1.68 | ppb |
| Strontium | 88-1 | 3145.21 | 3192.38 | 3155.40 | 3164.33 | 0.78 | ppb |
| Sulfur | 34-1 | 2725.48 | 2836.16 | 2748.71 | 2770.12 | 2.11 | ppb |
| Terbium | 159-1 | | | | 97 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | 106.55 | 108.65 | 108.57 | 107.93 | 1.11 | ppb |
| Thallium | 205-1 | 106.23 | 108.23 | 108.72 | 107.73 | 1.23 | ppb |
| Tin | 118-1 | 122.98 | 126.00 | 123.86 | 124.28 | 1.25 | ppb |
| Titanium | 47-1 | 1251.68 | 1276.22 | 1274.63 | 1267.51 | 1.08 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S04 | Instrumnet Name : | P7 |
| Client Sample ID : | S04 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:31:33 | DataFile Name : | 008CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 103.51 | 105.06 | 119.54 | 109.37 | 8.08 | ppb |
| Vanadium | 51-2 | 127.08 | 125.94 | 125.83 | 126.29 | 0.55 | ppb |
| Yttrium | 89-1 | | | | 95 | | % |
| Yttrium | 89-2 | | | | 98 | | % |
| Zinc | 66-2 | 1246.82 | 1240.01 | 1231.68 | 1239.50 | 0.61 | ppb |
| Zirconium | 90-1 | 121.57 | 124.76 | 125.83 | 124.05 | 1.79 | ppb |
| Zirconium | 91-1 | 121.11 | 126.93 | 125.45 | 124.50 | 2.43 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S05 | Instrumnet Name : | P7 |
| Client Sample ID : | S05 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:34:33 | DataFile Name : | 009CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4967.33 | 4960.26 | 5040.71 | 4989.44 | 0.89 | ppb |
| Antimony | 121-1 | 239.34 | 247.81 | 244.43 | 243.86 | 1.75 | ppb |
| Arsenic | 75-2 | 255.61 | 249.55 | 250.33 | 251.83 | 1.31 | ppb |
| Barium | 135-1 | 1257.55 | 1280.19 | 1286.55 | 1274.76 | 1.20 | ppb |
| Barium | 137-1 | 1252.11 | 1277.20 | 1262.88 | 1264.06 | 1.00 | ppb |
| Beryllium | 9-1 | 263.30 | 256.10 | 259.29 | 259.57 | 1.39 | ppb |
| Bismuth | 209-1 | | | | 103 | | % |
| Bismuth | 209-2 | | | | 103 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 256.29 | 266.78 | 255.99 | 259.69 | 2.37 | ppb |
| Cadmium | 106-1 | 257.69 | 265.37 | 258.05 | 260.37 | 1.66 | ppb |
| Cadmium | 111-1 | 258.34 | 264.30 | 258.92 | 260.52 | 1.26 | ppb |
| Calcium | 43-1 | 27930.71 | 28826.65 | 28926.59 | 28561.32 | 1.92 | ppb |
| Calcium | 44-1 | 25843.82 | 25930.39 | 26032.07 | 25935.43 | 0.36 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 252.40 | 251.82 | 252.70 | 252.30 | 0.18 | ppb |
| Cobalt | 59-2 | 246.93 | 247.09 | 251.57 | 248.53 | 1.06 | ppb |
| Copper | 63-2 | 2530.06 | 2529.12 | 2550.33 | 2536.50 | 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 | | | | 100 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 12792.53 | 12785.29 | 13000.52 | 12859.45 | 0.95 | ppb |
| Iron | 57-2 | 13187.39 | 13104.45 | 13297.94 | 13196.60 | 0.74 | ppb |
| Iron | 54-2 | 12978.99 | 12759.38 | 13015.70 | 12918.03 | 1.07 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S05 | Instrumnet Name : | P7 |
| Client Sample ID : | S05 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:34:33 | DataFile Name : | 009CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1206.49 | 1261.40 | 1240.20 | 1236.03 | 2.24 | ppb |
| Lead | 207-1 | 1221.34 | 1276.63 | 1249.29 | 1249.09 | 2.21 | ppb |
| Lead | 208-1 | 1222.98 | 1258.26 | 1238.98 | 1240.07 | 1.42 | ppb |
| Lithium | 6-1 | | | | 107 | | % |
| Magnesium | 24-2 | 24354.27 | 24237.90 | 24363.21 | 24318.46 | 0.29 | ppb |
| Manganese | 55-2 | 2535.97 | 2506.67 | 2515.75 | 2519.46 | 0.60 | ppb |
| Molybdenum | 94-1 | 2467.59 | 2523.42 | 2483.80 | 2491.60 | 1.15 | ppb |
| Molybdenum | 95-1 | 2472.66 | 2491.36 | 2500.63 | 2488.22 | 0.57 | ppb |
| Molybdenum | 96-1 | 2455.57 | 2513.34 | 2538.14 | 2502.35 | 1.69 | ppb |
| Molybdenum | 97-1 | 2465.97 | 2547.18 | 2553.36 | 2522.17 | 1.93 | ppb |
| Molybdenum | 98-1 | 2459.82 | 2514.42 | 2522.36 | 2498.87 | 1.36 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 255.11 | 253.19 | 259.36 | 255.89 | 1.23 | ppb |
| Phosphorus | 31-2 | 4976.83 | 4959.25 | 5031.74 | 4989.27 | 0.76 | ppb |
| Potassium | 39-2 | 12337.16 | 12306.18 | 12456.50 | 12366.62 | 0.64 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 95 | | % |
| Scandium | 45-2 | | | | 95 | | % |
| Selenium | 82-1 | 248.52 | 255.28 | 258.70 | 254.17 | 2.04 | ppb |
| Selenium | 77-2 | 257.14 | 259.31 | 252.30 | 256.25 | 1.40 | ppb |
| Selenium | 78-2 | 249.63 | 254.49 | 244.61 | 249.58 | 1.98 | ppb |
| Silicon | 28-1 | 264.86 | 274.11 | 266.43 | 268.47 | 1.84 | ppb |
| Silver | 107-1 | 255.47 | 265.84 | 262.71 | 261.34 | 2.03 | ppb |
| Silver | 109-1 | 249.56 | 254.31 | 248.76 | 250.88 | 1.19 | ppb |
| Sodium | 23-2 | 24619.00 | 24742.94 | 24933.93 | 24765.29 | 0.64 | ppb |
| Strontium | 86-1 | 6223.59 | 6373.21 | 6344.58 | 6313.79 | 1.26 | ppb |
| Strontium | 88-1 | 6256.20 | 6340.31 | 6366.51 | 6321.01 | 0.91 | ppb |
| Sulfur | 34-1 | 5399.94 | 5144.55 | 5281.30 | 5275.26 | 2.42 | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 215.16 | 220.43 | 217.34 | 217.64 | 1.22 | ppb |
| Thallium | 205-1 | 241.55 | 248.06 | 245.20 | 244.94 | 1.33 | ppb |
| Tin | 118-1 | 239.66 | 245.81 | 242.42 | 242.63 | 1.27 | ppb |
| Titanium | 47-1 | 2519.06 | 2539.47 | 2500.25 | 2519.60 | 0.78 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S05 | Instrumnet Name : | P7 |
| Client Sample ID : | S05 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:34:33 | DataFile Name : | 009CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 242.96 | 247.40 | 243.30 | 244.55 | 1.01 | ppb |
| Vanadium | 51-2 | 251.36 | 249.32 | 254.11 | 251.60 | 0.95 | ppb |
| Yttrium | 89-1 | | | | 95 | | % |
| Yttrium | 89-2 | | | | 97 | | % |
| Zinc | 66-2 | 2464.76 | 2456.25 | 2490.91 | 2470.64 | 0.73 | ppb |
| Zirconium | 90-1 | 253.23 | 251.35 | 253.16 | 252.58 | 0.42 | ppb |
| Zirconium | 91-1 | 243.00 | 246.07 | 249.13 | 246.07 | 1.25 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S06 | Instrumnet Name : | P7 |
| Client Sample ID : | S06 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:37:28 | DataFile Name : | 010CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 10125.15 | 9774.77 | 9927.04 | 9942.32 | 1.77 | ppb |
| Antimony | 121-1 | 497.89 | 500.41 | 513.35 | 503.88 | 1.65 | ppb |
| Arsenic | 75-2 | 497.31 | 493.68 | 505.75 | 498.91 | 1.24 | ppb |
| Barium | 135-1 | 2497.65 | 2524.59 | 2544.54 | 2522.26 | 0.93 | ppb |
| Barium | 137-1 | 2508.71 | 2530.48 | 2531.40 | 2523.53 | 0.51 | ppb |
| Beryllium | 9-1 | 488.10 | 495.48 | 493.42 | 492.33 | 0.77 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 502.72 | 499.88 | 506.79 | 503.13 | 0.69 | ppb |
| Cadmium | 106-1 | 494.84 | 511.14 | 512.45 | 506.14 | 1.94 | ppb |
| Cadmium | 111-1 | 497.48 | 509.56 | 509.80 | 505.62 | 1.39 | ppb |
| Calcium | 43-1 | 56422.84 | 57293.19 | 57413.51 | 57043.18 | 0.95 | ppb |
| Calcium | 44-1 | 50279.33 | 51852.95 | 52040.27 | 51390.85 | 1.88 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 509.41 | 501.22 | 499.23 | 503.29 | 1.07 | ppb |
| Cobalt | 59-2 | 518.94 | 497.57 | 508.67 | 508.39 | 2.10 | ppb |
| Copper | 63-2 | 5066.10 | 5006.58 | 5086.84 | 5053.17 | 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 | | | | 102 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 26049.67 | 25696.53 | 25694.27 | 25813.49 | 0.79 | ppb |
| Iron | 57-2 | 25589.65 | 25420.65 | 25285.20 | 25431.84 | 0.60 | ppb |
| Iron | 54-2 | 25998.07 | 25715.86 | 25875.29 | 25863.07 | 0.55 | ppb |
| Krypton | 83-1 | | | | | | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S06 | Instrumnet Name : | P7 |
| Client Sample ID : | S06 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:37:28 | DataFile Name : | 010CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2496.37 | 2453.68 | 2530.27 | 2493.44 | 1.54 | ppb |
| Lead | 207-1 | 2509.27 | 2481.43 | 2524.67 | 2505.12 | 0.87 | ppb |
| Lead | 208-1 | 2498.37 | 2485.10 | 2505.58 | 2496.35 | 0.42 | ppb |
| Lithium | 6-1 | | | | 115 | | % |
| Magnesium | 24-2 | 49510.88 | 48903.70 | 49671.21 | 49361.93 | 0.82 | ppb |
| Manganese | 55-2 | 5084.53 | 4958.53 | 4968.49 | 5003.85 | 1.40 | ppb |
| Molybdenum | 94-1 | 4882.34 | 4964.42 | 4985.82 | 4944.19 | 1.10 | ppb |
| Molybdenum | 95-1 | 4881.49 | 4954.66 | 5046.88 | 4961.01 | 1.67 | ppb |
| Molybdenum | 96-1 | 4880.22 | 4972.97 | 5028.72 | 4960.64 | 1.51 | ppb |
| Molybdenum | 97-1 | 4897.72 | 4920.35 | 5076.05 | 4964.71 | 1.96 | ppb |
| Molybdenum | 98-1 | 4888.87 | 4964.31 | 5007.34 | 4953.50 | 1.21 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 513.66 | 503.20 | 509.44 | 508.77 | 1.03 | ppb |
| Phosphorus | 31-2 | 9947.97 | 9993.98 | 9873.19 | 9938.38 | 0.61 | ppb |
| Potassium | 39-2 | 24867.77 | 24847.10 | 24624.07 | 24779.64 | 0.55 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 94 | | % |
| Scandium | 45-1 | | | | 94 | | % |
| Scandium | 45-2 | | | | 93 | | % |
| Selenium | 82-1 | 496.41 | 497.21 | 506.06 | 499.89 | 1.07 | ppb |
| Selenium | 77-2 | 501.11 | 514.45 | 524.76 | 513.44 | 2.31 | ppb |
| Selenium | 78-2 | 499.30 | 512.51 | 495.89 | 502.56 | 1.75 | ppb |
| Silicon | 28-1 | 520.06 | 512.11 | 520.27 | 517.48 | 0.90 | ppb |
| Silver | 107-1 | 506.76 | 510.04 | 515.13 | 510.65 | 0.83 | ppb |
| Silver | 109-1 | 510.80 | 511.71 | 512.20 | 511.57 | 0.14 | ppb |
| Sodium | 23-2 | 50323.95 | 49871.10 | 50400.82 | 50198.62 | 0.57 | ppb |
| Strontium | 86-1 | 12277.03 | 12580.87 | 12615.26 | 12491.05 | 1.49 | ppb |
| Strontium | 88-1 | 12321.03 | 12525.44 | 12647.41 | 12497.96 | 1.32 | ppb |
| Sulfur | 34-1 | 10224.37 | 9994.41 | 9974.81 | 10064.53 | 1.38 | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 498.20 | 498.89 | 507.39 | 501.49 | 1.02 | ppb |
| Thallium | 205-1 | 495.15 | 499.83 | 500.15 | 498.38 | 0.56 | ppb |
| Tin | 118-1 | 503.21 | 509.76 | 509.83 | 507.60 | 0.75 | ppb |
| Titanium | 47-1 | 4884.93 | 5005.30 | 4978.86 | 4956.36 | 1.28 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S06 | Instrumnet Name : | P7 |
| Client Sample ID : | S06 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:37:28 | DataFile Name : | 010CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 494.49 | 503.21 | 503.13 | 500.28 | 1.00 | ppb |
| Vanadium | 51-2 | 504.20 | 502.40 | 501.77 | 502.79 | 0.25 | ppb |
| Yttrium | 89-1 | | | | 96 | | % |
| Yttrium | 89-2 | | | | 96 | | % |
| Zinc | 66-2 | 5160.08 | 4951.74 | 5055.59 | 5055.80 | 2.06 | ppb |
| Zirconium | 90-1 | 489.92 | 494.80 | 499.36 | 494.69 | 0.95 | ppb |
| Zirconium | 91-1 | 479.91 | 491.76 | 502.06 | 491.25 | 2.26 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S07 | Instrumnet Name : | P7 |
| Client Sample ID : | S07 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:40:14 | DataFile Name : | 011CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 19452.49 | 19733.27 | 19677.34 | 19621.03 | 0.76 | ppb |
| Antimony | 121-1 | 988.93 | 1008.93 | 1001.05 | 999.64 | 1.01 | ppb |
| Arsenic | 75-2 | 997.06 | 997.24 | 1005.13 | 999.81 | 0.46 | ppb |
| Barium | 135-1 | 4982.11 | 4994.93 | 4978.00 | 4985.02 | 0.18 | ppb |
| Barium | 137-1 | 4976.23 | 4979.47 | 5009.78 | 4988.50 | 0.37 | ppb |
| Beryllium | 9-1 | 992.26 | 996.42 | 1011.45 | 1000.05 | 1.01 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 991.91 | 995.98 | 996.57 | 994.82 | 0.26 | ppb |
| Cadmium | 106-1 | 974.42 | 1003.25 | 1002.06 | 993.24 | 1.64 | ppb |
| Cadmium | 111-1 | 980.53 | 997.67 | 1001.70 | 993.30 | 1.13 | ppb |
| Calcium | 43-1 | 109034.71 | 109931.99 | 112598.34 | 110521.68 | 1.68 | ppb |
| Calcium | 44-1 | 103572.97 | 103936.17 | 103417.83 | 103642.32 | 0.26 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 990.04 | 996.08 | 1006.09 | 997.41 | 0.81 | ppb |
| Cobalt | 59-2 | 996.64 | 992.80 | 999.18 | 996.21 | 0.32 | ppb |
| Copper | 63-2 | 9965.17 | 9852.88 | 10059.07 | 9959.04 | 1.04 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 104 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 94 | | % |
| Iron | 56-2 | 50650.34 | 51546.51 | 51450.58 | 51215.81 | 0.96 | ppb |
| Iron | 57-2 | 50915.87 | 50885.19 | 51534.31 | 51111.79 | 0.72 | ppb |
| Iron | 54-2 | 51407.48 | 51625.61 | 51635.72 | 51556.27 | 0.25 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S07 | Instrumnet Name : | P7 |
| Client Sample ID : | S07 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:40:14 | DataFile Name : | 011CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 5014.18 | 5048.17 | 4966.79 | 5009.71 | 0.82 | ppb |
| Lead | 207-1 | 4954.96 | 5064.32 | 4979.67 | 4999.65 | 1.15 | ppb |
| Lead | 208-1 | 4969.25 | 5025.70 | 5021.77 | 5005.57 | 0.63 | ppb |
| Lithium | 6-1 | | | | 116 | | % |
| Magnesium | 24-2 | 97847.21 | 99578.23 | 98636.29 | 98687.24 | 0.88 | ppb |
| Manganese | 55-2 | 9884.08 | 9985.29 | 10106.97 | 9992.11 | 1.12 | ppb |
| Molybdenum | 94-1 | 9943.37 | 10044.08 | 10102.88 | 10030.11 | 0.80 | ppb |
| Molybdenum | 95-1 | 9917.98 | 10053.99 | 10097.59 | 10023.19 | 0.93 | ppb |
| Molybdenum | 96-1 | 9847.27 | 10110.00 | 10098.88 | 10018.72 | 1.48 | ppb |
| Molybdenum | 97-1 | 9799.29 | 10186.25 | 10053.24 | 10012.93 | 1.96 | ppb |
| Molybdenum | 98-1 | 9941.86 | 10085.19 | 10045.81 | 10024.29 | 0.74 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 989.28 | 991.88 | 999.21 | 993.45 | 0.52 | ppb |
| Phosphorus | 31-2 | 19935.88 | 20147.48 | 20016.69 | 20033.35 | 0.53 | ppb |
| Potassium | 39-2 | 49200.51 | 49548.68 | 49741.88 | 49497.02 | 0.55 | ppb |
| Rhodium | 103-1 | | | | 94 | | % |
| Rhodium | 103-2 | | | | 94 | | % |
| Scandium | 45-1 | | | | 93 | | % |
| Scandium | 45-2 | | | | 93 | | % |
| Selenium | 82-1 | 980.00 | 1007.05 | 1008.10 | 998.38 | 1.60 | ppb |
| Selenium | 77-2 | 1007.28 | 977.68 | 992.87 | 992.61 | 1.49 | ppb |
| Selenium | 78-2 | 998.82 | 975.47 | 1020.10 | 998.13 | 2.24 | ppb |
| Silicon | 28-1 | 974.03 | 986.87 | 993.30 | 984.73 | 1.00 | ppb |
| Silver | 107-1 | 986.35 | 997.02 | 989.65 | 991.01 | 0.55 | ppb |
| Silver | 109-1 | 985.04 | 1005.09 | 990.16 | 993.43 | 1.05 | ppb |
| Sodium | 23-2 | 100313.63 | 100565.19 | 101524.08 | 100800.97 | 0.63 | ppb |
| Strontium | 86-1 | 24462.78 | 25194.86 | 25291.25 | 24982.96 | 1.81 | ppb |
| Strontium | 88-1 | 24438.48 | 25072.53 | 25417.52 | 24976.18 | 1.99 | ppb |
| Sulfur | 34-1 | 19896.36 | 19944.04 | 19707.65 | 19849.35 | 0.63 | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 1011.41 | 1019.80 | 998.04 | 1009.75 | 1.09 | ppb |
| Thallium | 205-1 | 1003.96 | 1007.14 | 1002.44 | 1004.51 | 0.24 | ppb |
| Tin | 118-1 | 982.99 | 1009.11 | 1002.09 | 998.06 | 1.35 | ppb |
| Titanium | 47-1 | 9950.09 | 10024.81 | 10067.00 | 10013.97 | 0.59 | ppb |

Reviewed By:Mohan
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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S07 | Instrumnet Name : | P7 |
| Client Sample ID : | S07 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:40:14 | DataFile Name : | 011CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 998.53 | 1008.04 | 1004.08 | 1003.55 | 0.48 | ppb |
| Vanadium | 51-2 | 994.55 | 990.03 | 1009.44 | 998.01 | 1.02 | ppb |
| Yttrium | 89-1 | | | | 96 | | % |
| Yttrium | 89-2 | | | | 96 | | % |
| Zinc | 66-2 | 9876.01 | 9966.45 | 10100.26 | 9980.91 | 1.13 | ppb |
| Zirconium | 90-1 | 988.73 | 1003.45 | 1014.14 | 1002.11 | 1.27 | ppb |
| Zirconium | 91-1 | 979.81 | 1016.55 | 1019.85 | 1005.40 | 2.21 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S08 | Instrumnet Name : | P7 |
| Client Sample ID : | S08 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:43:00 | DataFile Name : | 012CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 100621.85 | 99934.57 | 99688.60 | 100081.68 | 0.48 | ppb |
| Antimony | 121-1 | 0.84 | 0.79 | 0.74 | 0.79 | 6.72 | ppb |
| Arsenic | 75-2 | 0.71 | 0.60 | 0.54 | 0.62 | 14.16 | ppb |
| Barium | 135-1 | 2.15 | 2.08 | 1.86 | 2.03 | 7.58 | ppb |
| Barium | 137-1 | 2.03 | 2.03 | 1.95 | 2.00 | 2.53 | ppb |
| Beryllium | 9-1 | 0.13 | 0.14 | 0.12 | 0.13 | 9.40 | ppb |
| Bismuth | 209-1 | | | | 101 | | % |
| Bismuth | 209-2 | | | | 98 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.46 | 0.56 | 0.18 | 0.40 | 48.55 | ppb |
| Cadmium | 106-1 | -0.75 | 0.00 | -0.87 | -0.54 | | ppb |
| Cadmium | 111-1 | 0.18 | 0.17 | 0.08 | 0.14 | 39.73 | ppb |
| Calcium | 43-1 | 491753.23 | 500993.47 | 498119.18 | 496955.29 | 0.95 | ppb |
| Calcium | 44-1 | 495518.63 | 500845.37 | 500829.33 | 499064.44 | 0.62 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 4.47 | 3.05 | 3.58 | 3.70 | 19.32 | ppb |
| Cobalt | 59-2 | 2.57 | 2.73 | 2.63 | 2.64 | 3.08 | ppb |
| Copper | 63-2 | 2.30 | 2.30 | 2.33 | 2.31 | 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 | | | | 102 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 93 | | % |
| Indium | 115-2 | | | | 95 | | % |
| Iron | 56-2 | 249631.16 | 249179.32 | 250146.42 | 249652.30 | 0.19 | ppb |
| Iron | 57-2 | 251189.94 | 247099.86 | 250775.39 | 249688.40 | 0.90 | ppb |
| Iron | 54-2 | 249817.78 | 249960.95 | 248923.35 | 249567.36 | 0.23 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S08 | Instrumnet Name : | P7 |
| Client Sample ID : | S08 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:43:00 | DataFile Name : | 012CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.99 | 1.07 | 1.00 | 1.02 | 3.96 | ppb |
| Lead | 207-1 | 0.93 | 1.06 | 1.00 | 1.00 | 6.65 | ppb |
| Lead | 208-1 | 0.96 | 1.02 | 1.01 | 0.99 | 3.34 | ppb |
| Lithium | 6-1 | | | | 116 | | % |
| Magnesium | 24-2 | 501567.44 | 497000.29 | 502538.93 | 500368.89 | 0.59 | ppb |
| Manganese | 55-2 | 5.05 | 4.99 | 5.06 | 5.03 | 0.80 | ppb |
| Molybdenum | 94-1 | 2.38 | 2.27 | 2.16 | 2.27 | 4.99 | ppb |
| Molybdenum | 95-1 | 1.50 | 1.48 | 1.44 | 1.47 | 2.19 | ppb |
| Molybdenum | 96-1 | 2.83 | 2.95 | 2.92 | 2.90 | 2.17 | ppb |
| Molybdenum | 97-1 | 1.44 | 1.46 | 1.44 | 1.45 | 0.96 | ppb |
| Molybdenum | 98-1 | 1.43 | 1.34 | 1.35 | 1.38 | 3.58 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 4.70 | 4.82 | 4.61 | 4.71 | 2.24 | ppb |
| Phosphorus | 31-2 | -12.46 | -11.22 | -14.53 | -12.74 | | ppb |
| Potassium | 39-2 | 251022.34 | 250156.87 | 249197.33 | 250125.51 | 0.36 | ppb |
| Rhodium | 103-1 | | | | 88 | | % |
| Rhodium | 103-2 | | | | 90 | | % |
| Scandium | 45-1 | | | | 94 | | % |
| Scandium | 45-2 | | | | 95 | | % |
| Selenium | 82-1 | 0.81 | 1.56 | 0.80 | 1.06 | 41.09 | ppb |
| Selenium | 77-2 | -0.37 | 0.01 | -0.37 | -0.24 | | ppb |
| Selenium | 78-2 | 0.57 | -0.48 | 1.05 | 0.38 | 205.41 | ppb |
| Silicon | 28-1 | 8.43 | 8.97 | 8.54 | 8.65 | 3.32 | ppb |
| Silver | 107-1 | 0.14 | 0.10 | 0.10 | 0.11 | 19.33 | ppb |
| Silver | 109-1 | 0.12 | 0.12 | 0.10 | 0.11 | 13.33 | ppb |
| Sodium | 23-2 | 498126.85 | 501582.01 | 499803.66 | 499837.51 | 0.35 | ppb |
| Strontium | 86-1 | 4.12 | 4.04 | 4.05 | 4.07 | 1.14 | ppb |
| Strontium | 88-1 | 4.18 | 4.07 | 3.91 | 4.05 | 3.42 | ppb |
| Sulfur | 34-1 | -575.21 | -125.35 | 379.39 | -107.05 | | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 0.13 | 0.14 | 0.14 | 0.14 | 6.13 | ppb |
| Thallium | 205-1 | 0.14 | 0.13 | 0.12 | 0.13 | 8.09 | ppb |
| Tin | 118-1 | 0.55 | 0.55 | 0.51 | 0.54 | 4.04 | ppb |
| Titanium | 47-1 | 1.35 | 1.33 | 1.38 | 1.35 | 1.59 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S08 | Instrumnet Name : | P7 |
| Client Sample ID : | S08 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:43:00 | DataFile Name : | 012CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.06 | 0.06 | 0.05 | 0.06 | 10.77 | ppb |
| Vanadium | 51-2 | 0.22 | 0.21 | 0.24 | 0.22 | 8.63 | ppb |
| Yttrium | 89-1 | | | | 94 | | % |
| Yttrium | 89-2 | | | | 97 | | % |
| Zinc | 66-2 | 9.02 | 8.97 | 9.18 | 9.06 | 1.21 | ppb |
| Zirconium | 90-1 | 0.54 | 0.57 | 0.54 | 0.55 | 2.79 | ppb |
| Zirconium | 91-1 | 0.51 | 0.56 | 0.51 | 0.52 | 5.70 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICV007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICV007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:59:56 | DataFile Name : | 013ICV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 484.07 | 487.54 | 575.82 | 515.81 | 10.08 | ppb |
| Antimony | 121-1 | 193.84 | 194.98 | 197.60 | 195.47 | 0.99 | ppb |
| Arsenic | 75-2 | 203.32 | 201.38 | 237.07 | 213.92 | 9.38 | ppb |
| Barium | 135-1 | 91.54 | 92.72 | 93.91 | 92.72 | 1.27 | ppb |
| Barium | 137-1 | 92.04 | 92.15 | 93.77 | 92.65 | 1.04 | ppb |
| Beryllium | 9-1 | 104.56 | 107.30 | 107.85 | 106.57 | 1.66 | ppb |
| Bismuth | 209-1 | | | | 97 | | % |
| Bismuth | 209-2 | | | | 96 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 94.66 | 96.51 | 95.49 | 95.55 | 0.96 | ppb |
| Cadmium | 106-1 | 93.14 | 93.43 | 93.60 | 93.39 | 0.25 | ppb |
| Cadmium | 111-1 | 103.51 | 105.18 | 107.57 | 105.42 | 1.94 | ppb |
| Calcium | 43-1 | 1936.34 | 1985.87 | 2029.77 | 1983.99 | 2.36 | ppb |
| Calcium | 44-1 | 1984.80 | 1982.76 | 2033.07 | 2000.21 | 1.42 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 101.76 | 102.47 | 119.63 | 107.95 | 9.38 | ppb |
| Cobalt | 59-2 | 100.39 | 100.70 | 118.55 | 106.55 | 9.76 | ppb |
| Copper | 63-2 | 94.51 | 94.52 | 111.14 | 100.06 | 9.60 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 95 | | % |
| Holmium | 165-2 | | | | 96 | | % |
| Indium | 115-1 | | | | 94 | | % |
| Indium | 115-2 | | | | 92 | | % |
| Iron | 56-2 | 2016.34 | 2017.64 | 2358.57 | 2130.85 | 9.26 | ppb |
| Iron | 57-2 | 2031.39 | 2067.38 | 2422.93 | 2173.90 | 9.96 | ppb |
| Iron | 54-2 | 2144.64 | 2152.15 | 2518.33 | 2271.71 | 9.40 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICV007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICV007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:59:56 | DataFile Name : | 013ICV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 187.54 | 195.03 | 196.89 | 193.16 | 2.56 | ppb |
| Lead | 207-1 | 178.66 | 185.41 | 187.35 | 183.81 | 2.48 | ppb |
| Lead | 208-1 | 181.97 | 188.69 | 191.57 | 187.41 | 2.63 | ppb |
| Lithium | 6-1 | | | | 103 | | % |
| Magnesium | 24-2 | 1193.89 | 1204.69 | 1414.39 | 1270.99 | 9.78 | ppb |
| Manganese | 55-2 | 101.18 | 101.14 | 118.27 | 106.86 | 9.25 | ppb |
| Molybdenum | 94-1 | 0.16 | 0.20 | 0.18 | 0.18 | 11.56 | ppb |
| Molybdenum | 95-1 | 0.07 | 0.07 | 0.06 | 0.06 | 8.47 | ppb |
| Molybdenum | 96-1 | 0.11 | 0.12 | 0.10 | 0.11 | 11.64 | ppb |
| Molybdenum | 97-1 | 0.04 | 0.08 | 0.07 | 0.07 | 29.70 | ppb |
| Molybdenum | 98-1 | 0.08 | 0.06 | 0.08 | 0.07 | 13.59 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 104.85 | 103.96 | 123.29 | 110.70 | 9.86 | ppb |
| Phosphorus | 31-2 | -19.00 | -18.32 | -13.68 | -17.00 | | ppb |
| Potassium | 39-2 | 2041.53 | 2055.04 | 2435.75 | 2177.44 | 10.28 | ppb |
| Rhodium | 103-1 | | | | 94 | | % |
| Rhodium | 103-2 | | | | 93 | | % |
| Scandium | 45-1 | | | | 94 | | % |
| Scandium | 45-2 | | | | 91 | | % |
| Selenium | 82-1 | 206.63 | 215.41 | 211.42 | 211.15 | 2.08 | ppb |
| Selenium | 77-2 | 203.71 | 213.51 | 228.59 | 215.27 | 5.82 | ppb |
| Selenium | 78-2 | 206.54 | 215.09 | 249.78 | 223.80 | 10.23 | ppb |
| Silicon | 28-1 | 1.54 | 1.25 | 2.13 | 1.64 | 27.21 | ppb |
| Silver | 107-1 | 48.05 | 48.88 | 49.92 | 48.95 | 1.91 | ppb |
| Silver | 109-1 | 47.88 | 49.01 | 49.73 | 48.88 | 1.91 | ppb |
| Sodium | 23-2 | 2020.70 | 2025.41 | 2373.01 | 2139.71 | 9.44 | ppb |
| Strontium | 86-1 | 0.35 | 0.34 | 0.31 | 0.33 | 5.50 | ppb |
| Strontium | 88-1 | 0.35 | 0.36 | 0.35 | 0.35 | 2.13 | ppb |
| Sulfur | 34-1 | 895.47 | 649.74 | 793.42 | 779.54 | 15.84 | ppb |
| Terbium | 159-1 | | | | 96 | | % |
| Terbium | 159-2 | | | | 95 | | % |
| Thallium | 203-1 | 184.70 | 192.56 | 192.56 | 189.94 | 2.39 | ppb |
| Thallium | 205-1 | 213.79 | 221.80 | 222.07 | 219.22 | 2.15 | ppb |
| Tin | 118-1 | 0.14 | 0.13 | 0.13 | 0.13 | 4.82 | ppb |
| Titanium | 47-1 | 0.11 | 0.01 | 0.08 | 0.07 | 75.25 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICV007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICV007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:59:56 | DataFile Name : | 013ICV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | 19.89 | ppb |
| Vanadium | 51-2 | 98.18 | 98.18 | 115.10 | 103.82 | 9.41 | ppb |
| Yttrium | 89-1 | | | | 93 | | % |
| Yttrium | 89-2 | | | | 93 | | % |
| Zinc | 66-2 | 193.93 | 194.96 | 228.61 | 205.83 | 9.59 | ppb |
| Zirconium | 90-1 | 0.06 | 0.06 | 0.06 | 0.06 | 7.56 | ppb |
| Zirconium | 91-1 | 0.09 | 0.09 | 0.06 | 0.08 | 20.69 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICB007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICB007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:04:17 | DataFile Name : | 014CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 0.28 | 0.40 | -0.17 | 0.17 | 176.17 | ppb |
| Antimony | 121-1 | 0.06 | 0.07 | 0.10 | 0.08 | 22.70 | ppb |
| Arsenic | 75-2 | 0.02 | 0.03 | 0.02 | 0.02 | 50.70 | ppb |
| Barium | 135-1 | 0.02 | 0.04 | 0.01 | 0.02 | 48.21 | ppb |
| Barium | 137-1 | 0.04 | 0.04 | 0.02 | 0.03 | 21.99 | ppb |
| Beryllium | 9-1 | 0.02 | 0.02 | 0.00 | 0.01 | 80.49 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.07 | -0.10 | -0.06 | -0.08 | | ppb |
| Cadmium | 106-1 | -1.01 | 0.00 | -1.81 | -0.94 | | ppb |
| Cadmium | 111-1 | -0.05 | 0.02 | -0.10 | -0.04 | | ppb |
| Calcium | 43-1 | -1.01 | -2.89 | 1.63 | -0.76 | | ppb |
| Calcium | 44-1 | -6.72 | -5.38 | -5.50 | -5.87 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.03 | -0.03 | -0.04 | -0.03 | | ppb |
| Cobalt | 59-2 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Copper | 63-2 | 0.04 | 0.10 | 0.03 | 0.06 | 65.68 | 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 | | | | 100 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 0.61 | 0.60 | 0.54 | 0.58 | 6.06 | ppb |
| Iron | 57-2 | -1.98 | -2.53 | 1.33 | -1.06 | | ppb |
| Iron | 54-2 | 0.47 | 1.38 | -0.57 | 0.43 | 228.55 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICB007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICB007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:04:17 | DataFile Name : | 014CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.08 | 0.06 | 0.08 | 0.07 | 12.96 | ppb |
| Lead | 207-1 | 0.06 | 0.06 | 0.06 | 0.06 | 2.75 | ppb |
| Lead | 208-1 | 0.07 | 0.06 | 0.07 | 0.06 | 6.60 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 1.94 | 1.69 | 2.15 | 1.93 | 11.83 | ppb |
| Manganese | 55-2 | 0.00 | 0.01 | 0.00 | 0.00 | 364.00 | ppb |
| Molybdenum | 94-1 | 0.04 | 0.04 | 0.06 | 0.05 | 27.25 | ppb |
| Molybdenum | 95-1 | 0.04 | 0.04 | 0.04 | 0.04 | 6.33 | ppb |
| Molybdenum | 96-1 | 0.05 | 0.04 | 0.05 | 0.05 | 7.11 | ppb |
| Molybdenum | 97-1 | 0.06 | 0.03 | 0.07 | 0.05 | 37.67 | ppb |
| Molybdenum | 98-1 | 0.04 | 0.04 | 0.04 | 0.04 | 1.45 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.01 | 0.03 | 0.01 | 0.01 | 287.57 | ppb |
| Phosphorus | 31-2 | -19.13 | -19.77 | -19.24 | -19.38 | | ppb |
| Potassium | 39-2 | -6.53 | -1.83 | 0.79 | -2.52 | | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 98 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | 0.82 | -0.38 | -0.47 | -0.01 | | ppb |
| Selenium | 77-2 | -0.01 | 0.00 | 0.00 | 0.00 | | ppb |
| Selenium | 78-2 | -2.82 | -0.78 | -0.35 | -1.32 | | ppb |
| Silicon | 28-1 | -2.05 | -1.88 | -0.86 | -1.60 | | ppb |
| Silver | 107-1 | 0.03 | 0.02 | 0.02 | 0.02 | 19.26 | ppb |
| Silver | 109-1 | 0.02 | 0.02 | 0.02 | 0.02 | 18.80 | ppb |
| Sodium | 23-2 | 17.49 | 17.45 | 16.45 | 17.13 | 3.44 | ppb |
| Strontium | 86-1 | 0.09 | 0.09 | 0.07 | 0.08 | 14.96 | ppb |
| Strontium | 88-1 | 0.08 | 0.08 | 0.09 | 0.08 | 2.56 | ppb |
| Sulfur | 34-1 | 242.65 | 310.88 | 439.43 | 330.99 | 30.19 | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.05 | 0.05 | 0.04 | 0.05 | 13.45 | ppb |
| Thallium | 205-1 | 0.04 | 0.05 | 0.04 | 0.04 | 12.62 | ppb |
| Tin | 118-1 | 0.08 | 0.10 | 0.09 | 0.09 | 8.41 | ppb |
| Titanium | 47-1 | -0.02 | 0.02 | 0.03 | 0.01 | 249.55 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICB007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICB007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:04:17 | DataFile Name : | 014CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | 8.81 | ppb |
| Vanadium | 51-2 | 0.00 | 0.00 | 0.00 | 0.00 | 70.90 | ppb |
| Yttrium | 89-1 | | | | 98 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | 0.09 | 0.17 | 0.11 | 0.12 | 34.21 | ppb |
| Zirconium | 90-1 | 0.00 | 0.00 | 0.00 | 0.00 | 387.44 | ppb |
| Zirconium | 91-1 | 0.00 | 0.00 | 0.00 | 0.00 | 151.55 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICSA007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSA007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:07:36 | DataFile Name : | 015ICSA.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 92431.76 | 92903.94 | 92683.41 | 92673.04 | 0.25 | ppb |
| Antimony | 121-1 | 1.09 | 1.06 | 1.13 | 1.09 | 2.82 | ppb |
| Arsenic | 75-2 | 0.43 | 0.51 | 0.34 | 0.43 | 19.39 | ppb |
| Barium | 135-1 | 1.35 | 1.32 | 1.53 | 1.40 | 8.02 | ppb |
| Barium | 137-1 | 1.38 | 1.45 | 1.38 | 1.40 | 2.95 | ppb |
| Beryllium | 9-1 | 0.28 | 0.31 | 0.38 | 0.33 | 16.11 | ppb |
| Bismuth | 209-1 | | | | 99 | | % |
| Bismuth | 209-2 | | | | 101 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 5.36 | 5.08 | 4.13 | 4.86 | 13.29 | ppb |
| Cadmium | 106-1 | -0.78 | -1.71 | -1.33 | -1.27 | | ppb |
| Cadmium | 111-1 | 0.13 | 0.10 | 0.11 | 0.11 | 11.89 | ppb |
| Calcium | 43-1 | 95836.07 | 96182.11 | 96450.00 | 96156.06 | 0.32 | ppb |
| Calcium | 44-1 | 94560.78 | 95812.89 | 96969.15 | 95780.94 | 1.26 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 20.08 | 20.63 | 20.09 | 20.27 | 1.53 | ppb |
| Cobalt | 59-2 | 1.23 | 1.23 | 1.21 | 1.22 | 0.79 | ppb |
| Copper | 63-2 | 7.50 | 7.41 | 7.35 | 7.42 | 0.96 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 102 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 95 | | % |
| Iron | 56-2 | 102189.56 | 102189.07 | 101840.65 | 102073.10 | 0.20 | ppb |
| Iron | 57-2 | 101477.75 | 101350.51 | 102201.67 | 101676.64 | 0.45 | ppb |
| Iron | 54-2 | 102380.25 | 101323.64 | 101520.51 | 101741.47 | 0.55 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:Mohan
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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICSA007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSA007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:07:36 | DataFile Name : | 015ICSA.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 4.14 | 4.17 | 4.41 | 4.24 | 3.51 | ppb |
| Lead | 207-1 | 3.72 | 3.84 | 3.94 | 3.83 | 2.90 | ppb |
| Lead | 208-1 | 3.87 | 3.92 | 4.09 | 3.96 | 2.94 | ppb |
| Lithium | 6-1 | | | | 106 | | % |
| Magnesium | 24-2 | 97994.03 | 97708.49 | 98900.44 | 98200.99 | 0.63 | ppb |
| Manganese | 55-2 | 8.81 | 8.74 | 8.86 | 8.81 | 0.66 | ppb |
| Molybdenum | 94-1 | 1479.48 | 1494.13 | 1460.65 | 1478.09 | 1.14 | ppb |
| Molybdenum | 95-1 | 1726.07 | 1778.23 | 1779.32 | 1761.20 | 1.73 | ppb |
| Molybdenum | 96-1 | 1712.93 | 1766.17 | 1770.83 | 1749.98 | 1.84 | ppb |
| Molybdenum | 97-1 | 1762.80 | 1835.04 | 1848.14 | 1815.33 | 2.53 | ppb |
| Molybdenum | 98-1 | 1738.76 | 1804.98 | 1792.38 | 1778.71 | 1.98 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 5.60 | 5.80 | 5.45 | 5.62 | 3.19 | ppb |
| Phosphorus | 31-2 | 101577.88 | 102464.11 | 102268.65 | 102103.55 | 0.46 | ppb |
| Potassium | 39-2 | 98639.62 | 97072.00 | 97678.91 | 97796.84 | 0.81 | ppb |
| Rhodium | 103-1 | | | | 92 | | % |
| Rhodium | 103-2 | | | | 93 | | % |
| Scandium | 45-1 | | | | 95 | | % |
| Scandium | 45-2 | | | | 95 | | % |
| Selenium | 82-1 | 0.06 | 0.42 | -0.13 | 0.12 | 240.81 | ppb |
| Selenium | 77-2 | 0.01 | 0.40 | -0.37 | 0.01 | 3171.57 | ppb |
| Selenium | 78-2 | -0.12 | 1.23 | -0.99 | 0.04 | 2565.06 | ppb |
| Silicon | 28-1 | 6.63 | 7.05 | 7.51 | 7.06 | 6.24 | ppb |
| Silver | 107-1 | 0.07 | 0.06 | 0.06 | 0.06 | 13.38 | ppb |
| Silver | 109-1 | 0.08 | 0.06 | 0.05 | 0.06 | 24.07 | ppb |
| Sodium | 23-2 | 99618.41 | 99382.64 | 99286.08 | 99429.04 | 0.17 | ppb |
| Strontium | 86-1 | 34.09 | 34.28 | 33.22 | 33.87 | 1.67 | ppb |
| Strontium | 88-1 | 34.02 | 34.55 | 34.31 | 34.29 | 0.77 | ppb |
| Sulfur | 34-1 | 96609.16 | 100021.53 | 99309.58 | 98646.76 | 1.82 | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.12 | 0.13 | 0.15 | 0.14 | 11.17 | ppb |
| Thallium | 205-1 | 0.11 | 0.12 | 0.12 | 0.12 | 8.51 | ppb |
| Tin | 118-1 | 0.23 | 0.28 | 0.22 | 0.25 | 13.10 | ppb |
| Titanium | 47-1 | 1779.42 | 1802.61 | 1824.11 | 1802.04 | 1.24 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICSA007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSA007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:07:36 | DataFile Name : | 015ICSA.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.02 | 0.02 | 0.02 | 0.02 | 14.12 | ppb |
| Vanadium | 51-2 | 0.17 | 0.20 | 0.18 | 0.18 | 8.02 | ppb |
| Yttrium | 89-1 | | | | 94 | | % |
| Yttrium | 89-2 | | | | 98 | | % |
| Zinc | 66-2 | 12.62 | 12.74 | 12.59 | 12.65 | 0.62 | ppb |
| Zirconium | 90-1 | 0.04 | 0.02 | 0.02 | 0.03 | 32.92 | ppb |
| Zirconium | 91-1 | 0.04 | 0.04 | 0.04 | 0.04 | 4.64 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSAB007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:10:40 | DataFile Name : | 016ICSB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 84143.30 | 84706.52 | 83553.22 | 84134.34 | 0.69 | ppb |
| Antimony | 121-1 | 19.31 | 19.78 | 21.23 | 20.11 | 4.99 | ppb |
| Arsenic | 75-2 | 18.59 | 20.12 | 19.94 | 19.55 | 4.29 | ppb |
| Barium | 135-1 | 18.88 | 19.28 | 21.01 | 19.72 | 5.76 | ppb |
| Barium | 137-1 | 18.66 | 19.16 | 20.22 | 19.35 | 4.13 | ppb |
| Beryllium | 9-1 | 20.27 | 21.06 | 21.46 | 20.93 | 2.90 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 21.79 | 22.32 | 22.43 | 22.18 | 1.55 | ppb |
| Cadmium | 106-1 | 16.13 | 15.80 | 17.28 | 16.40 | 4.73 | ppb |
| Cadmium | 111-1 | 18.71 | 19.14 | 21.31 | 19.72 | 7.07 | ppb |
| Calcium | 43-1 | 91647.70 | 87672.26 | 94875.43 | 91398.46 | 3.95 | ppb |
| Calcium | 44-1 | 88058.17 | 88940.05 | 95126.27 | 90708.17 | 4.25 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 38.35 | 38.12 | 37.53 | 38.00 | 1.11 | ppb |
| Cobalt | 59-2 | 20.15 | 19.90 | 19.67 | 19.90 | 1.20 | ppb |
| Copper | 63-2 | 24.56 | 24.56 | 24.38 | 24.50 | 0.42 | 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 | | | | 105 | | % |
| Holmium | 165-2 | | | | 108 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 93590.21 | 93566.23 | 92082.21 | 93079.55 | 0.93 | ppb |
| Iron | 57-2 | 93513.93 | 92194.13 | 91265.47 | 92324.51 | 1.22 | ppb |
| Iron | 54-2 | 93799.65 | 93479.43 | 92075.77 | 93118.28 | 0.98 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSAB007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:10:40 | DataFile Name : | 016ICSB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 22.30 | 23.44 | 24.68 | 23.47 | 5.08 | ppb |
| Lead | 207-1 | 21.57 | 22.07 | 23.55 | 22.40 | 4.59 | ppb |
| Lead | 208-1 | 21.72 | 22.35 | 23.83 | 22.64 | 4.79 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 89759.12 | 89847.21 | 88612.95 | 89406.43 | 0.77 | ppb |
| Manganese | 55-2 | 26.73 | 26.59 | 26.18 | 26.50 | 1.09 | ppb |
| Molybdenum | 94-1 | 1302.21 | 1366.38 | 1455.23 | 1374.61 | 5.59 | ppb |
| Molybdenum | 95-1 | 1569.07 | 1634.56 | 1757.43 | 1653.69 | 5.78 | ppb |
| Molybdenum | 96-1 | 1535.06 | 1591.76 | 1722.93 | 1616.58 | 5.96 | ppb |
| Molybdenum | 97-1 | 1577.20 | 1655.66 | 1733.84 | 1655.57 | 4.73 | ppb |
| Molybdenum | 98-1 | 1581.57 | 1625.25 | 1736.97 | 1647.93 | 4.86 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 24.44 | 24.51 | 24.47 | 24.47 | 0.13 | ppb |
| Phosphorus | 31-2 | 94223.13 | 93725.40 | 92735.61 | 93561.38 | 0.81 | ppb |
| Potassium | 39-2 | 89849.68 | 89618.53 | 89325.68 | 89597.96 | 0.29 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 96 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | 18.07 | 18.91 | 22.38 | 19.79 | 11.54 | ppb |
| Selenium | 77-2 | 17.83 | 20.09 | 21.99 | 19.97 | 10.43 | ppb |
| Selenium | 78-2 | 18.57 | 16.03 | 21.39 | 18.66 | 14.35 | ppb |
| Silicon | 28-1 | 5.38 | 5.82 | 8.51 | 6.57 | 25.79 | ppb |
| Silver | 107-1 | 17.35 | 17.68 | 19.23 | 18.09 | 5.53 | ppb |
| Silver | 109-1 | 17.22 | 17.75 | 19.10 | 18.02 | 5.40 | ppb |
| Sodium | 23-2 | 91096.34 | 91223.68 | 90193.50 | 90837.84 | 0.62 | ppb |
| Strontium | 86-1 | 30.06 | 30.54 | 34.34 | 31.65 | 7.42 | ppb |
| Strontium | 88-1 | 30.24 | 31.01 | 33.64 | 31.63 | 5.64 | ppb |
| Sulfur | 34-1 | 90315.54 | 90788.46 | 98070.11 | 93058.04 | 4.67 | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 19.49 | 19.98 | 21.38 | 20.28 | 4.83 | ppb |
| Thallium | 205-1 | 19.72 | 20.11 | 21.40 | 20.41 | 4.32 | ppb |
| Tin | 118-1 | 0.18 | 0.23 | 0.25 | 0.22 | 15.27 | ppb |
| Titanium | 47-1 | 1652.51 | 1674.16 | 1806.68 | 1711.12 | 4.88 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSAB007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:10:40 | DataFile Name : | 016ICSB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.02 | 0.02 | 0.02 | 0.02 | 12.01 | ppb |
| Vanadium | 51-2 | 19.26 | 18.98 | 19.13 | 19.12 | 0.73 | ppb |
| Yttrium | 89-1 | | | | 98 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 31.50 | 31.24 | 31.92 | 31.55 | 1.09 | ppb |
| Zirconium | 90-1 | 0.01 | 0.02 | 0.02 | 0.02 | 42.91 | ppb |
| Zirconium | 91-1 | 0.00 | 0.00 | 0.02 | 0.01 | 134.55 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV035 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV035 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:13:48 | DataFile Name : | 017CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 48688.64 | 49935.31 | 52038.10 | 50220.68 | 3.37 | ppb |
| Antimony | 121-1 | 484.98 | 498.61 | 503.13 | 495.57 | 1.91 | ppb |
| Arsenic | 75-2 | 525.29 | 527.05 | 562.90 | 538.41 | 3.94 | ppb |
| Barium | 135-1 | 2421.31 | 2450.37 | 2536.12 | 2469.26 | 2.42 | ppb |
| Barium | 137-1 | 2446.38 | 2457.13 | 2513.77 | 2472.43 | 1.46 | ppb |
| Beryllium | 9-1 | 500.97 | 504.70 | 516.78 | 507.48 | 1.63 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 99 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 505.08 | 496.90 | 513.38 | 505.12 | 1.63 | ppb |
| Cadmium | 106-1 | 500.55 | 517.12 | 519.55 | 512.41 | 2.02 | ppb |
| Cadmium | 111-1 | 501.86 | 513.25 | 518.76 | 511.29 | 1.68 | ppb |
| Calcium | 43-1 | 236506.54 | 245301.36 | 242360.36 | 241389.42 | 1.85 | ppb |
| Calcium | 44-1 | 236136.49 | 241358.20 | 241773.83 | 239756.17 | 1.31 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 484.91 | 492.83 | 521.68 | 499.80 | 3.87 | ppb |
| Cobalt | 59-2 | 509.55 | 512.07 | 546.62 | 522.75 | 3.96 | ppb |
| Copper | 63-2 | 5031.99 | 5042.09 | 5280.82 | 5118.30 | 2.75 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 104 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 94 | | % |
| Iron | 56-2 | 123921.32 | 125630.64 | 132414.75 | 127322.24 | 3.53 | ppb |
| Iron | 57-2 | 123317.41 | 124924.36 | 131293.37 | 126511.71 | 3.33 | ppb |
| Iron | 54-2 | 124231.62 | 126314.89 | 130573.53 | 127040.01 | 2.54 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV035 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV035 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:13:48 | DataFile Name : | 017CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2394.58 | 2437.04 | 2484.68 | 2438.77 | 1.85 | ppb |
| Lead | 207-1 | 2432.81 | 2487.45 | 2483.15 | 2467.80 | 1.23 | ppb |
| Lead | 208-1 | 2423.20 | 2462.49 | 2482.65 | 2456.11 | 1.23 | ppb |
| Lithium | 6-1 | | | | 106 | | % |
| Magnesium | 24-2 | 236665.38 | 242928.41 | 252365.47 | 243986.42 | 3.24 | ppb |
| Manganese | 55-2 | 4817.25 | 4944.84 | 5149.61 | 4970.57 | 3.37 | ppb |
| Molybdenum | 94-1 | 4868.71 | 4913.22 | 4987.33 | 4923.09 | 1.22 | ppb |
| Molybdenum | 95-1 | 4849.37 | 4883.11 | 5012.96 | 4915.15 | 1.76 | ppb |
| Molybdenum | 96-1 | 4870.82 | 4903.72 | 5031.17 | 4935.23 | 1.72 | ppb |
| Molybdenum | 97-1 | 4852.18 | 4866.53 | 4977.48 | 4898.73 | 1.40 | ppb |
| Molybdenum | 98-1 | 4807.50 | 4882.31 | 4988.64 | 4892.82 | 1.86 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 504.76 | 512.03 | 537.73 | 518.17 | 3.34 | ppb |
| Phosphorus | 31-2 | 9732.27 | 9931.36 | 10514.15 | 10059.26 | 4.04 | ppb |
| Potassium | 39-2 | 122342.48 | 124533.17 | 130976.07 | 125950.57 | 3.56 | ppb |
| Rhodium | 103-1 | | | | 94 | | % |
| Rhodium | 103-2 | | | | 92 | | % |
| Scandium | 45-1 | | | | 98 | | % |
| Scandium | 45-2 | | | | 96 | | % |
| Selenium | 82-1 | 510.66 | 511.36 | 520.38 | 514.13 | 1.06 | ppb |
| Selenium | 77-2 | 538.32 | 520.82 | 568.90 | 542.68 | 4.48 | ppb |
| Selenium | 78-2 | 520.45 | 530.92 | 558.60 | 536.66 | 3.67 | ppb |
| Silicon | 28-1 | 2466.43 | 2483.69 | 2419.88 | 2456.67 | 1.34 | ppb |
| Silver | 107-1 | 499.58 | 509.64 | 511.68 | 506.97 | 1.28 | ppb |
| Silver | 109-1 | 513.08 | 509.01 | 510.70 | 510.93 | 0.40 | ppb |
| Sodium | 23-2 | 244051.38 | 248326.68 | 259070.45 | 250482.84 | 3.09 | ppb |
| Strontium | 86-1 | 12118.04 | 12389.25 | 12524.98 | 12344.09 | 1.68 | ppb |
| Strontium | 88-1 | 12172.46 | 12254.96 | 12677.54 | 12368.32 | 2.19 | ppb |
| Sulfur | 34-1 | 9182.06 | 9361.77 | 9284.98 | 9276.27 | 0.97 | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 484.20 | 493.08 | 500.18 | 492.49 | 1.63 | ppb |
| Thallium | 205-1 | 489.41 | 486.70 | 509.73 | 495.28 | 2.54 | ppb |
| Tin | 118-1 | 464.93 | 471.69 | 488.72 | 475.11 | 2.58 | ppb |
| Titanium | 47-1 | 4781.45 | 4836.53 | 4949.09 | 4855.69 | 1.76 | ppb |

Reviewed By:Mohan
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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV035 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV035 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:13:48 | DataFile Name : | 017CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 487.18 | 498.48 | 503.81 | 496.49 | 1.71 | ppb |
| Vanadium | 51-2 | 491.81 | 500.70 | 524.33 | 505.62 | 3.32 | ppb |
| Yttrium | 89-1 | | | | 99 | | % |
| Yttrium | 89-2 | | | | 98 | | % |
| Zinc | 66-2 | 5053.67 | 5206.60 | 5371.82 | 5210.70 | 3.05 | ppb |
| Zirconium | 90-1 | 488.99 | 500.62 | 509.38 | 499.66 | 2.05 | ppb |
| Zirconium | 91-1 | 485.45 | 495.29 | 500.53 | 493.76 | 1.55 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB035 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB035 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:16:34 | DataFile Name : | 018CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2.24 | 1.98 | 2.21 | 2.15 | 6.71 | ppb |
| Antimony | 121-1 | 0.36 | 0.35 | 0.34 | 0.35 | 2.23 | ppb |
| Arsenic | 75-2 | 0.01 | 0.00 | 0.03 | 0.01 | 121.88 | ppb |
| Barium | 135-1 | 0.12 | 0.11 | 0.07 | 0.10 | 24.89 | ppb |
| Barium | 137-1 | 0.16 | 0.09 | 0.11 | 0.12 | 26.80 | ppb |
| Beryllium | 9-1 | 0.08 | 0.06 | 0.08 | 0.07 | 19.49 | ppb |
| Bismuth | 209-1 | | | | 110 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.07 | -0.07 | 0.01 | -0.04 | | ppb |
| Cadmium | 106-1 | 0.38 | -1.04 | -1.36 | -0.67 | | ppb |
| Cadmium | 111-1 | 0.09 | -0.02 | -0.08 | 0.00 | | ppb |
| Calcium | 43-1 | 14.08 | 17.69 | 4.80 | 12.19 | 54.53 | ppb |
| Calcium | 44-1 | 6.92 | 4.17 | 2.58 | 4.56 | 48.15 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.00 | 0.04 | -0.01 | 0.01 | 358.34 | ppb |
| Cobalt | 59-2 | 0.00 | 0.01 | 0.01 | 0.01 | 52.03 | ppb |
| Copper | 63-2 | 0.28 | 0.27 | 0.24 | 0.26 | 7.25 | 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 | | | | 105 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 4.51 | 4.21 | 4.00 | 4.24 | 6.07 | ppb |
| Iron | 57-2 | -1.32 | 1.88 | 3.07 | 1.21 | 187.56 | ppb |
| Iron | 54-2 | 3.39 | 2.49 | 3.63 | 3.17 | 18.93 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB035 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB035 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:16:34 | DataFile Name : | 018CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.23 | 0.19 | 0.17 | 0.20 | 15.42 | ppb |
| Lead | 207-1 | 0.21 | 0.19 | 0.16 | 0.19 | 11.40 | ppb |
| Lead | 208-1 | 0.21 | 0.18 | 0.17 | 0.19 | 13.27 | ppb |
| Lithium | 6-1 | | | | 104 | | % |
| Magnesium | 24-2 | 9.43 | 8.67 | 8.28 | 8.79 | 6.65 | ppb |
| Manganese | 55-2 | 0.11 | 0.09 | 0.10 | 0.10 | 12.86 | ppb |
| Molybdenum | 94-1 | 0.43 | 0.39 | 0.30 | 0.37 | 17.08 | ppb |
| Molybdenum | 95-1 | 0.43 | 0.38 | 0.37 | 0.39 | 8.78 | ppb |
| Molybdenum | 96-1 | 0.47 | 0.38 | 0.36 | 0.40 | 14.76 | ppb |
| Molybdenum | 97-1 | 0.46 | 0.37 | 0.39 | 0.41 | 10.88 | ppb |
| Molybdenum | 98-1 | 0.48 | 0.40 | 0.33 | 0.40 | 18.96 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.02 | -0.01 | 0.00 | 0.00 | 1171.21 | ppb |
| Phosphorus | 31-2 | -18.03 | -20.90 | -15.76 | -18.23 | | ppb |
| Potassium | 39-2 | 13.55 | 13.17 | 16.84 | 14.52 | 13.92 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 101 | | % |
| Scandium | 45-1 | | | | 98 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | -0.27 | -0.17 | -0.50 | -0.31 | | ppb |
| Selenium | 77-2 | -0.01 | -0.37 | -0.37 | -0.25 | | ppb |
| Selenium | 78-2 | -1.04 | 1.40 | -0.28 | 0.03 | 4131.78 | ppb |
| Silicon | 28-1 | -1.60 | -1.31 | -1.33 | -1.41 | | ppb |
| Silver | 107-1 | 0.06 | 0.05 | 0.04 | 0.05 | 22.79 | ppb |
| Silver | 109-1 | 0.08 | 0.06 | 0.04 | 0.06 | 27.80 | ppb |
| Sodium | 23-2 | 71.96 | 69.43 | 68.18 | 69.86 | 2.75 | ppb |
| Strontium | 86-1 | 0.60 | 0.41 | 0.39 | 0.46 | 24.71 | ppb |
| Strontium | 88-1 | 0.60 | 0.48 | 0.41 | 0.50 | 19.57 | ppb |
| Sulfur | 34-1 | -581.60 | -399.71 | -430.63 | -470.65 | | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 0.09 | 0.10 | 0.10 | 0.09 | 4.80 | ppb |
| Thallium | 205-1 | 0.09 | 0.09 | 0.08 | 0.08 | 9.79 | ppb |
| Tin | 118-1 | 0.19 | 0.18 | 0.18 | 0.18 | 3.04 | ppb |
| Titanium | 47-1 | 0.37 | 0.25 | 0.22 | 0.28 | 28.45 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB035 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB035 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:16:34 | DataFile Name : | 018CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.02 | 0.02 | 0.02 | 0.02 | 18.83 | ppb |
| Vanadium | 51-2 | 0.02 | 0.01 | 0.02 | 0.02 | 21.12 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 0.17 | 0.00 | 0.20 | 0.12 | 85.11 | ppb |
| Zirconium | 90-1 | 0.04 | 0.04 | 0.04 | 0.04 | 3.51 | ppb |
| Zirconium | 91-1 | 0.05 | 0.05 | 0.06 | 0.05 | 12.39 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164277BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS277 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:19:54 | DataFile Name : | 019CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1.20 | 0.92 | 0.71 | 0.94 | 26.03 | ppb |
| Antimony | 121-1 | 0.07 | 0.08 | 0.09 | 0.08 | 10.53 | ppb |
| Arsenic | 75-2 | 0.03 | 0.00 | 0.02 | 0.02 | 104.72 | ppb |
| Barium | 135-1 | 0.05 | 0.03 | 0.06 | 0.05 | 30.39 | ppb |
| Barium | 137-1 | 0.04 | 0.04 | 0.06 | 0.05 | 30.85 | ppb |
| Beryllium | 9-1 | 0.12 | 0.03 | 0.01 | 0.05 | 108.25 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.07 | -0.03 | -0.10 | -0.07 | | ppb |
| Cadmium | 106-1 | -0.75 | -0.80 | 0.09 | -0.48 | | ppb |
| Cadmium | 111-1 | -0.01 | -0.04 | 0.04 | -0.01 | | ppb |
| Calcium | 43-1 | 61.43 | 3.46 | 4.44 | 23.11 | 143.62 | ppb |
| Calcium | 44-1 | 36.89 | -3.22 | -5.80 | 9.29 | 257.63 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.00 | -0.06 | -0.02 | -0.03 | | ppb |
| Cobalt | 59-2 | 0.01 | 0.01 | 0.00 | 0.01 | 63.63 | ppb |
| Copper | 63-2 | 0.18 | 0.19 | 0.11 | 0.16 | 28.24 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 1.83 | 1.79 | 1.93 | 1.85 | 3.74 | ppb |
| Iron | 57-2 | -1.73 | -1.36 | 1.69 | -0.46 | | ppb |
| Iron | 54-2 | 1.15 | 1.83 | 1.85 | 1.61 | 24.64 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164277BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS277 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:19:54 | DataFile Name : | 019CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.11 | 0.09 | 0.09 | 0.10 | 15.23 | ppb |
| Lead | 207-1 | 0.11 | 0.10 | 0.09 | 0.10 | 7.53 | ppb |
| Lead | 208-1 | 0.11 | 0.10 | 0.10 | 0.10 | 5.46 | ppb |
| Lithium | 6-1 | | | | 104 | | % |
| Magnesium | 24-2 | 3.60 | 4.01 | 3.73 | 3.78 | 5.58 | ppb |
| Manganese | 55-2 | 0.02 | 0.01 | 0.02 | 0.02 | 38.13 | ppb |
| Molybdenum | 94-1 | 0.25 | 0.12 | 0.14 | 0.17 | 40.74 | ppb |
| Molybdenum | 95-1 | 0.20 | 0.12 | 0.11 | 0.14 | 35.94 | ppb |
| Molybdenum | 96-1 | 0.18 | 0.12 | 0.12 | 0.14 | 24.15 | ppb |
| Molybdenum | 97-1 | 0.17 | 0.12 | 0.11 | 0.13 | 23.69 | ppb |
| Molybdenum | 98-1 | 0.17 | 0.10 | 0.10 | 0.12 | 33.31 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.02 | -0.01 | 0.02 | 0.00 | | ppb |
| Phosphorus | 31-2 | -19.52 | -20.30 | -21.07 | -20.30 | | ppb |
| Potassium | 39-2 | 6.15 | 4.61 | 5.82 | 5.52 | 14.71 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 99 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 0.16 | 0.43 | 0.40 | 0.33 | 45.23 | ppb |
| Selenium | 77-2 | -0.37 | -0.37 | -0.37 | -0.37 | | ppb |
| Selenium | 78-2 | 0.77 | -0.14 | -1.24 | -0.20 | | ppb |
| Silicon | 28-1 | -2.96 | -2.72 | -2.63 | -2.77 | | ppb |
| Silver | 107-1 | 0.03 | 0.02 | 0.02 | 0.02 | 21.07 | ppb |
| Silver | 109-1 | 0.02 | 0.02 | 0.02 | 0.02 | 8.22 | ppb |
| Sodium | 23-2 | 44.92 | 46.73 | 46.95 | 46.20 | 2.42 | ppb |
| Strontium | 86-1 | 0.33 | 0.15 | 0.19 | 0.22 | 41.62 | ppb |
| Strontium | 88-1 | 0.39 | 0.16 | 0.16 | 0.24 | 55.42 | ppb |
| Sulfur | 34-1 | -635.92 | -491.96 | -526.88 | -551.58 | | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.04 | 0.04 | 0.03 | 0.04 | 17.04 | ppb |
| Thallium | 205-1 | 0.04 | 0.04 | 0.04 | 0.04 | 8.50 | ppb |
| Tin | 118-1 | 0.16 | 0.08 | 0.11 | 0.12 | 33.49 | ppb |
| Titanium | 47-1 | 0.44 | 0.09 | 0.11 | 0.22 | 90.46 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164277BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS277 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:19:54 | DataFile Name : | 019CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.02 | 0.01 | 0.01 | 0.01 | 68.75 | ppb |
| Vanadium | 51-2 | 0.01 | 0.00 | 0.01 | 0.01 | 47.43 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 0.10 | 0.11 | 0.01 | 0.07 | 75.54 | ppb |
| Zirconium | 90-1 | 0.03 | 0.02 | 0.01 | 0.02 | 44.96 | ppb |
| Zirconium | 91-1 | 0.01 | -0.01 | 0.00 | 0.00 | 247.55 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164277BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS277 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:23:11 | DataFile Name : | 020LCSE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 38.47 | 39.24 | 38.08 | 38.59 | 1.53 | ppb |
| Antimony | 121-1 | 3.79 | 3.80 | 3.95 | 3.85 | 2.31 | ppb |
| Arsenic | 75-2 | 1.82 | 1.83 | 1.96 | 1.87 | 4.12 | ppb |
| Barium | 135-1 | 17.76 | 17.90 | 18.22 | 17.96 | 1.31 | ppb |
| Barium | 137-1 | 17.29 | 17.59 | 17.59 | 17.49 | 0.99 | ppb |
| Beryllium | 9-1 | 1.97 | 1.70 | 2.15 | 1.94 | 11.50 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.75 | 2.70 | 2.01 | 2.49 | 16.54 | ppb |
| Cadmium | 106-1 | 2.75 | 2.05 | 1.43 | 2.08 | 31.80 | ppb |
| Cadmium | 111-1 | 2.54 | 2.48 | 2.53 | 2.52 | 1.25 | ppb |
| Calcium | 43-1 | 935.29 | 923.68 | 952.43 | 937.13 | 1.54 | ppb |
| Calcium | 44-1 | 924.64 | 940.78 | 950.72 | 938.71 | 1.40 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 4.33 | 4.49 | 4.47 | 4.43 | 1.95 | ppb |
| Cobalt | 59-2 | 1.91 | 1.96 | 1.97 | 1.95 | 1.78 | ppb |
| Copper | 63-2 | 4.03 | 4.02 | 4.26 | 4.11 | 3.27 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 410.52 | 415.10 | 419.81 | 415.15 | 1.12 | ppb |
| Iron | 57-2 | 413.98 | 416.82 | 414.41 | 415.07 | 0.37 | ppb |
| Iron | 54-2 | 417.31 | 413.68 | 417.97 | 416.32 | 0.56 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164277BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS277 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:23:11 | DataFile Name : | 020LCSE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1.73 | 1.83 | 1.71 | 1.76 | 3.61 | ppb |
| Lead | 207-1 | 1.67 | 1.85 | 1.72 | 1.75 | 5.39 | ppb |
| Lead | 208-1 | 1.71 | 1.78 | 1.70 | 1.73 | 2.49 | ppb |
| Lithium | 6-1 | | | | 105 | | % |
| Magnesium | 24-2 | 1024.51 | 1031.22 | 1048.44 | 1034.72 | 1.19 | ppb |
| Manganese | 55-2 | 2.00 | 2.12 | 2.10 | 2.07 | 2.98 | ppb |
| Molybdenum | 94-1 | 10.13 | 10.71 | 10.48 | 10.44 | 2.83 | ppb |
| Molybdenum | 95-1 | 8.64 | 8.90 | 8.76 | 8.77 | 1.54 | ppb |
| Molybdenum | 96-1 | 8.68 | 8.86 | 8.77 | 8.77 | 1.05 | ppb |
| Molybdenum | 97-1 | 8.59 | 8.70 | 8.87 | 8.72 | 1.58 | ppb |
| Molybdenum | 98-1 | 8.28 | 8.57 | 8.62 | 8.49 | 2.15 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 2.24 | 2.29 | 2.26 | 2.26 | 1.09 | ppb |
| Phosphorus | 31-2 | -16.75 | -20.17 | -20.36 | -19.10 | | ppb |
| Potassium | 39-2 | 999.27 | 1023.10 | 1037.45 | 1019.94 | 1.89 | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 101 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | 10.37 | 9.54 | 10.41 | 10.11 | 4.85 | ppb |
| Selenium | 77-2 | 7.30 | 13.44 | 9.64 | 10.13 | 30.59 | ppb |
| Selenium | 78-2 | 10.67 | 13.30 | 8.89 | 10.95 | 20.26 | ppb |
| Silicon | 28-1 | 3.48 | 3.97 | 4.20 | 3.88 | 9.39 | ppb |
| Silver | 107-1 | 1.86 | 1.90 | 1.92 | 1.90 | 1.65 | ppb |
| Silver | 109-1 | 1.78 | 1.87 | 1.90 | 1.85 | 3.29 | ppb |
| Sodium | 23-2 | 1000.56 | 1022.29 | 1035.56 | 1019.47 | 1.73 | ppb |
| Strontium | 86-1 | 1.88 | 1.92 | 2.02 | 1.94 | 3.96 | ppb |
| Strontium | 88-1 | 1.94 | 2.00 | 2.01 | 1.98 | 1.93 | ppb |
| Sulfur | 34-1 | -497.23 | -490.99 | -402.57 | -463.60 | | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 1.65 | 1.72 | 1.65 | 1.67 | 2.55 | ppb |
| Thallium | 205-1 | 1.68 | 1.69 | 1.70 | 1.69 | 0.35 | ppb |
| Tin | 118-1 | 0.18 | 0.15 | 0.10 | 0.15 | 26.61 | ppb |
| Titanium | 47-1 | 8.54 | 8.60 | 8.90 | 8.68 | 2.20 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164277BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS277 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:23:11 | DataFile Name : | 020LCSE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.57 | 1.61 | 1.59 | 1.59 | 1.19 | ppb |
| Vanadium | 51-2 | 9.66 | 9.53 | 10.00 | 9.73 | 2.47 | ppb |
| Yttrium | 89-1 | | | | 99 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | 9.76 | 10.26 | 9.93 | 9.98 | 2.54 | ppb |
| Zirconium | 90-1 | 1.90 | 1.98 | 1.95 | 1.94 | 2.12 | ppb |
| Zirconium | 91-1 | 1.95 | 1.87 | 1.96 | 1.93 | 2.65 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164277BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD277 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:26:30 | DataFile Name : | 021LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 20.53 | 20.62 | 19.90 | 20.35 | 1.93 | ppb |
| Antimony | 121-1 | 1.98 | 1.95 | 1.94 | 1.96 | 1.09 | ppb |
| Arsenic | 75-2 | 0.91 | 1.02 | 1.07 | 1.00 | 8.09 | ppb |
| Barium | 135-1 | 8.93 | 8.76 | 9.03 | 8.91 | 1.51 | ppb |
| Barium | 137-1 | 8.84 | 9.05 | 8.81 | 8.90 | 1.46 | ppb |
| Beryllium | 9-1 | 0.88 | 1.07 | 1.14 | 1.03 | 12.74 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.18 | 1.54 | 1.10 | 1.28 | 18.20 | ppb |
| Cadmium | 106-1 | 0.86 | -0.23 | 0.34 | 0.32 | 170.21 | ppb |
| Cadmium | 111-1 | 1.21 | 1.20 | 1.32 | 1.24 | 5.24 | ppb |
| Calcium | 43-1 | 470.66 | 476.97 | 479.61 | 475.75 | 0.97 | ppb |
| Calcium | 44-1 | 463.03 | 471.90 | 477.99 | 470.97 | 1.60 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 2.19 | 2.08 | 2.21 | 2.16 | 3.24 | ppb |
| Cobalt | 59-2 | 0.98 | 0.90 | 0.95 | 0.94 | 4.44 | ppb |
| Copper | 63-2 | 2.22 | 2.16 | 2.21 | 2.20 | 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 | | | | 104 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 210.31 | 207.47 | 208.27 | 208.69 | 0.70 | ppb |
| Iron | 57-2 | 205.71 | 207.80 | 202.90 | 205.47 | 1.20 | ppb |
| Iron | 54-2 | 215.74 | 204.47 | 210.04 | 210.09 | 2.68 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164277BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD277 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:26:30 | DataFile Name : | 021LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.92 | 0.96 | 0.91 | 0.93 | 3.24 | ppb |
| Lead | 207-1 | 0.84 | 0.92 | 0.92 | 0.89 | 4.99 | ppb |
| Lead | 208-1 | 0.91 | 0.95 | 0.93 | 0.93 | 2.44 | ppb |
| Lithium | 6-1 | | | | 105 | | % |
| Magnesium | 24-2 | 525.10 | 515.26 | 521.38 | 520.58 | 0.95 | ppb |
| Manganese | 55-2 | 1.11 | 1.17 | 1.09 | 1.12 | 3.65 | ppb |
| Molybdenum | 94-1 | 5.38 | 5.11 | 5.42 | 5.30 | 3.17 | ppb |
| Molybdenum | 95-1 | 4.33 | 4.28 | 4.39 | 4.33 | 1.27 | ppb |
| Molybdenum | 96-1 | 4.49 | 4.38 | 4.41 | 4.42 | 1.27 | ppb |
| Molybdenum | 97-1 | 4.34 | 4.38 | 4.43 | 4.38 | 0.95 | ppb |
| Molybdenum | 98-1 | 4.26 | 4.36 | 4.44 | 4.35 | 2.14 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 1.10 | 1.12 | 1.17 | 1.13 | 3.11 | ppb |
| Phosphorus | 31-2 | -20.22 | -19.99 | -14.36 | -18.19 | | ppb |
| Potassium | 39-2 | 513.35 | 504.88 | 504.91 | 507.71 | 0.96 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 99 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 5.67 | 5.52 | 5.44 | 5.54 | 2.07 | ppb |
| Selenium | 77-2 | 3.97 | 2.88 | 6.45 | 4.43 | 41.31 | ppb |
| Selenium | 78-2 | 4.22 | 4.50 | 2.59 | 3.77 | 27.47 | ppb |
| Silicon | 28-1 | 0.18 | 0.69 | 0.79 | 0.55 | 59.94 | ppb |
| Silver | 107-1 | 0.96 | 0.92 | 0.98 | 0.95 | 3.49 | ppb |
| Silver | 109-1 | 0.92 | 0.93 | 0.94 | 0.93 | 0.97 | ppb |
| Sodium | 23-2 | 526.95 | 513.61 | 525.10 | 521.89 | 1.39 | ppb |
| Strontium | 86-1 | 0.93 | 1.05 | 0.99 | 0.99 | 6.00 | ppb |
| Strontium | 88-1 | 1.03 | 1.04 | 1.04 | 1.04 | 0.48 | ppb |
| Sulfur | 34-1 | -466.49 | -257.15 | -163.55 | -295.73 | | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 0.83 | 0.86 | 0.87 | 0.85 | 2.57 | ppb |
| Thallium | 205-1 | 0.85 | 0.90 | 0.88 | 0.88 | 2.65 | ppb |
| Tin | 118-1 | 0.11 | 0.07 | 0.12 | 0.10 | 28.47 | ppb |
| Titanium | 47-1 | 4.21 | 4.48 | 4.58 | 4.43 | 4.33 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164277BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD277 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:26:30 | DataFile Name : | 021LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.80 | 0.81 | 0.80 | 0.80 | 0.90 | ppb |
| Vanadium | 51-2 | 4.86 | 4.86 | 4.88 | 4.87 | 0.24 | ppb |
| Yttrium | 89-1 | | | | 99 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 5.18 | 5.49 | 4.89 | 5.19 | 5.83 | ppb |
| Zirconium | 90-1 | 0.97 | 0.96 | 0.97 | 0.97 | 0.62 | ppb |
| Zirconium | 91-1 | 0.91 | 0.92 | 0.94 | 0.92 | 1.66 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:29:47 | DataFile Name : | 022SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 16632.38 | 16386.67 | 16260.35 | 16426.47 | 1.15 | ppb |
| Antimony | 121-1 | 0.98 | 1.03 | 1.00 | 1.00 | 2.43 | ppb |
| Arsenic | 75-2 | 33.53 | 33.38 | 33.37 | 33.43 | 0.28 | ppb |
| Barium | 135-1 | 523.96 | 524.73 | 529.35 | 526.01 | 0.55 | ppb |
| Barium | 137-1 | 519.53 | 523.23 | 526.24 | 523.00 | 0.64 | ppb |
| Beryllium | 9-1 | 0.91 | 0.77 | 0.88 | 0.86 | 8.72 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 4.10 | 4.11 | 3.66 | 3.96 | 6.49 | ppb |
| Cadmium | 106-1 | 4.43 | 3.68 | 3.58 | 3.90 | 11.94 | ppb |
| Cadmium | 111-1 | 3.58 | 3.51 | 3.52 | 3.54 | 1.17 | ppb |
| Calcium | 43-1 | 6985.35 | 7080.87 | 7152.85 | 7073.02 | 1.19 | ppb |
| Calcium | 44-1 | 6676.06 | 6727.58 | 6751.84 | 6718.49 | 0.58 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 38.87 | 38.72 | 38.13 | 38.57 | 1.01 | ppb |
| Cobalt | 59-2 | 18.69 | 18.74 | 18.57 | 18.67 | 0.47 | ppb |
| Copper | 63-2 | 432.02 | 433.43 | 428.47 | 431.31 | 0.59 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 102 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 24359.24 | 24426.75 | 23966.35 | 24250.78 | 1.03 | ppb |
| Iron | 57-2 | 23906.52 | 23815.33 | 23446.07 | 23722.64 | 1.03 | ppb |
| Iron | 54-2 | 24541.85 | 24315.06 | 24304.19 | 24387.03 | 0.55 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:29:47 | DataFile Name : | 022SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 77.14 | 78.09 | 79.12 | 78.11 | 1.27 | ppb |
| Lead | 207-1 | 77.73 | 77.46 | 78.88 | 78.03 | 0.97 | ppb |
| Lead | 208-1 | 76.58 | 77.13 | 78.37 | 77.36 | 1.18 | ppb |
| Lithium | 6-1 | | | | 106 | | % |
| Magnesium | 24-2 | 5827.12 | 5629.95 | 5701.89 | 5719.65 | 1.74 | ppb |
| Manganese | 55-2 | 4542.51 | 4584.53 | 4505.70 | 4544.25 | 0.87 | ppb |
| Molybdenum | 94-1 | 12.32 | 12.15 | 12.15 | 12.21 | 0.84 | ppb |
| Molybdenum | 95-1 | 0.52 | 0.52 | 0.50 | 0.51 | 2.55 | ppb |
| Molybdenum | 96-1 | 1.76 | 1.82 | 1.79 | 1.79 | 1.52 | ppb |
| Molybdenum | 97-1 | 0.42 | 0.46 | 0.48 | 0.45 | 6.66 | ppb |
| Molybdenum | 98-1 | 0.43 | 0.43 | 0.42 | 0.42 | 1.42 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 58.24 | 56.67 | 57.28 | 57.39 | 1.38 | ppb |
| Phosphorus | 31-2 | 1464.69 | 1464.62 | 1468.98 | 1466.09 | 0.17 | ppb |
| Potassium | 39-2 | 3091.89 | 3082.85 | 3066.15 | 3080.30 | 0.42 | ppb |
| Rhodium | 103-1 | | | | 99 | | % |
| Rhodium | 103-2 | | | | 99 | | % |
| Scandium | 45-1 | | | | 99 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 0.73 | 0.71 | 1.95 | 1.13 | 62.96 | ppb |
| Selenium | 77-2 | 7.11 | 7.75 | 7.60 | 7.49 | 4.44 | ppb |
| Selenium | 78-2 | 0.01 | 0.96 | 0.97 | 0.65 | 85.66 | ppb |
| Silicon | 28-1 | 730.03 | 731.99 | 745.84 | 735.95 | 1.17 | ppb |
| Silver | 107-1 | 1.14 | 1.11 | 1.08 | 1.11 | 3.01 | ppb |
| Silver | 109-1 | 1.09 | 1.14 | 1.12 | 1.12 | 2.37 | ppb |
| Sodium | 23-2 | 148.44 | 147.20 | 142.74 | 146.13 | 2.05 | ppb |
| Strontium | 86-1 | 81.43 | 81.31 | 81.46 | 81.40 | 0.10 | ppb |
| Strontium | 88-1 | 81.67 | 82.17 | 82.44 | 82.09 | 0.48 | ppb |
| Sulfur | 34-1 | -180.04 | -476.50 | -452.57 | -369.70 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.26 | 0.27 | 0.26 | 0.27 | 2.88 | ppb |
| Thallium | 205-1 | 0.26 | 0.27 | 0.28 | 0.27 | 3.32 | ppb |
| Tin | 118-1 | 2.54 | 2.52 | 2.57 | 2.54 | 0.93 | ppb |
| Titanium | 47-1 | 494.21 | 493.79 | 505.86 | 497.96 | 1.38 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:29:47 | DataFile Name : | 022SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.52 | 0.55 | 0.55 | 0.54 | 2.94 | ppb |
| Vanadium | 51-2 | 42.38 | 41.95 | 41.34 | 41.89 | 1.24 | ppb |
| Yttrium | 89-1 | | | | 101 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | 276.75 | 277.97 | 272.92 | 275.88 | 0.96 | ppb |
| Zirconium | 90-1 | 7.05 | 7.25 | 7.15 | 7.15 | 1.39 | ppb |
| Zirconium | 91-1 | 6.93 | 7.19 | 7.19 | 7.11 | 2.10 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-05DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:33:05 | DataFile Name : | 023SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 16481.84 | 16611.63 | 16422.63 | 16505.37 | 0.59 | ppb |
| Antimony | 121-1 | 1.00 | 1.00 | 0.98 | 0.99 | 1.24 | ppb |
| Arsenic | 75-2 | 32.66 | 34.16 | 34.08 | 33.63 | 2.52 | ppb |
| Barium | 135-1 | 484.31 | 488.01 | 496.97 | 489.76 | 1.33 | ppb |
| Barium | 137-1 | 479.30 | 488.11 | 492.43 | 486.61 | 1.38 | ppb |
| Beryllium | 9-1 | 0.89 | 0.91 | 0.83 | 0.88 | 5.17 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 3.74 | 3.56 | 4.19 | 3.83 | 8.47 | ppb |
| Cadmium | 106-1 | 3.65 | 3.37 | 3.58 | 3.53 | 4.11 | ppb |
| Cadmium | 111-1 | 3.53 | 3.42 | 3.75 | 3.57 | 4.74 | ppb |
| Calcium | 43-1 | 6869.19 | 7008.74 | 7060.65 | 6979.52 | 1.42 | ppb |
| Calcium | 44-1 | 6713.28 | 6676.82 | 6805.96 | 6732.02 | 0.99 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 37.97 | 38.63 | 38.71 | 38.44 | 1.05 | ppb |
| Cobalt | 59-2 | 18.10 | 18.43 | 17.97 | 18.17 | 1.28 | ppb |
| Copper | 63-2 | 427.00 | 432.11 | 427.83 | 428.98 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 24292.60 | 24559.38 | 24471.29 | 24441.09 | 0.56 | ppb |
| Iron | 57-2 | 23852.59 | 23887.54 | 23298.59 | 23679.57 | 1.40 | ppb |
| Iron | 54-2 | 24176.13 | 24399.44 | 24454.16 | 24343.24 | 0.61 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-05DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:33:05 | DataFile Name : | 023SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 76.34 | 79.64 | 77.65 | 77.88 | 2.14 | ppb |
| Lead | 207-1 | 77.26 | 79.99 | 77.86 | 78.37 | 1.83 | ppb |
| Lead | 208-1 | 76.29 | 79.23 | 77.46 | 77.66 | 1.90 | ppb |
| Lithium | 6-1 | | | | 106 | | % |
| Magnesium | 24-2 | 5536.11 | 5673.33 | 5657.16 | 5622.20 | 1.33 | ppb |
| Manganese | 55-2 | 4048.95 | 4060.34 | 4071.30 | 4060.20 | 0.28 | ppb |
| Molybdenum | 94-1 | 12.03 | 12.30 | 12.12 | 12.15 | 1.10 | ppb |
| Molybdenum | 95-1 | 0.46 | 0.52 | 0.52 | 0.50 | 6.62 | ppb |
| Molybdenum | 96-1 | 1.73 | 1.85 | 1.85 | 1.81 | 3.92 | ppb |
| Molybdenum | 97-1 | 0.48 | 0.39 | 0.45 | 0.44 | 10.27 | ppb |
| Molybdenum | 98-1 | 0.43 | 0.42 | 0.44 | 0.43 | 2.89 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 57.23 | 57.46 | 57.45 | 57.38 | 0.23 | ppb |
| Phosphorus | 31-2 | 1411.75 | 1399.36 | 1408.46 | 1406.52 | 0.46 | ppb |
| Potassium | 39-2 | 3070.46 | 3095.79 | 3103.85 | 3090.03 | 0.56 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 99 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 0.74 | 0.53 | 1.49 | 0.92 | 55.07 | ppb |
| Selenium | 77-2 | 5.39 | 9.36 | 6.48 | 7.07 | 28.96 | ppb |
| Selenium | 78-2 | 3.07 | 2.42 | 0.36 | 1.95 | 72.34 | ppb |
| Silicon | 28-1 | 727.38 | 745.61 | 734.83 | 735.94 | 1.25 | ppb |
| Silver | 107-1 | 1.08 | 1.08 | 1.08 | 1.08 | 0.12 | ppb |
| Silver | 109-1 | 1.05 | 1.05 | 1.05 | 1.05 | 0.22 | ppb |
| Sodium | 23-2 | 141.70 | 143.59 | 145.35 | 143.55 | 1.27 | ppb |
| Strontium | 86-1 | 78.74 | 78.00 | 79.56 | 78.77 | 0.99 | ppb |
| Strontium | 88-1 | 79.11 | 78.47 | 80.23 | 79.27 | 1.12 | ppb |
| Sulfur | 34-1 | -730.01 | -746.12 | -838.62 | -771.58 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.25 | 0.25 | 0.22 | 0.24 | 8.37 | ppb |
| Thallium | 205-1 | 0.24 | 0.25 | 0.24 | 0.24 | 2.52 | ppb |
| Tin | 118-1 | 2.53 | 2.55 | 2.51 | 2.53 | 0.84 | ppb |
| Titanium | 47-1 | 492.94 | 501.31 | 504.66 | 499.63 | 1.21 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-05DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:33:05 | DataFile Name : | 023SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.52 | 0.56 | 0.53 | 0.54 | 4.13 | ppb |
| Vanadium | 51-2 | 41.91 | 41.79 | 42.23 | 41.98 | 0.54 | ppb |
| Yttrium | 89-1 | | | | 101 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 276.54 | 274.86 | 277.93 | 276.44 | 0.56 | ppb |
| Zirconium | 90-1 | 6.96 | 7.00 | 7.27 | 7.08 | 2.39 | ppb |
| Zirconium | 91-1 | 7.26 | 6.94 | 7.41 | 7.20 | 3.36 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 13:36:14 | DataFile Name : | 024SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3363.47 | 3395.18 | 3408.31 | 3388.99 | 0.68 | ppb |
| Antimony | 121-1 | 0.19 | 0.21 | 0.21 | 0.21 | 4.94 | ppb |
| Arsenic | 75-2 | 6.69 | 6.95 | 7.13 | 6.92 | 3.18 | ppb |
| Barium | 135-1 | 103.95 | 105.10 | 105.91 | 104.99 | 0.94 | ppb |
| Barium | 137-1 | 101.88 | 104.39 | 105.46 | 103.91 | 1.77 | ppb |
| Beryllium | 9-1 | 0.20 | 0.16 | 0.20 | 0.19 | 10.96 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.65 | 0.77 | 0.63 | 0.68 | 11.13 | ppb |
| Cadmium | 106-1 | -0.37 | -0.48 | -0.75 | -0.53 | | ppb |
| Cadmium | 111-1 | 0.71 | 0.56 | 0.61 | 0.63 | 12.26 | ppb |
| Calcium | 43-1 | 1428.62 | 1470.21 | 1470.94 | 1456.59 | 1.66 | ppb |
| Calcium | 44-1 | 1388.13 | 1440.73 | 1465.61 | 1431.49 | 2.76 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 7.96 | 7.83 | 7.84 | 7.87 | 0.91 | ppb |
| Cobalt | 59-2 | 3.84 | 3.96 | 3.90 | 3.90 | 1.52 | ppb |
| Copper | 63-2 | 88.68 | 88.73 | 88.22 | 88.54 | 0.32 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 4924.73 | 4985.46 | 4941.46 | 4950.55 | 0.63 | ppb |
| Iron | 57-2 | 5029.03 | 5076.32 | 5008.78 | 5038.05 | 0.69 | ppb |
| Iron | 54-2 | 5105.86 | 5107.21 | 5092.87 | 5101.98 | 0.16 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 13:36:14 | DataFile Name : | 024SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 15.67 | 15.52 | 15.84 | 15.68 | 1.04 | ppb |
| Lead | 207-1 | 15.71 | 15.87 | 15.94 | 15.84 | 0.73 | ppb |
| Lead | 208-1 | 15.75 | 15.59 | 15.78 | 15.71 | 0.66 | ppb |
| Lithium | 6-1 | | | | 106 | | % |
| Magnesium | 24-2 | 1183.43 | 1199.93 | 1185.20 | 1189.52 | 0.76 | ppb |
| Manganese | 55-2 | 924.00 | 934.71 | 910.48 | 923.06 | 1.32 | ppb |
| Molybdenum | 94-1 | 2.59 | 2.68 | 2.64 | 2.64 | 1.69 | ppb |
| Molybdenum | 95-1 | 0.14 | 0.14 | 0.13 | 0.13 | 5.18 | ppb |
| Molybdenum | 96-1 | 0.42 | 0.41 | 0.42 | 0.42 | 2.18 | ppb |
| Molybdenum | 97-1 | 0.13 | 0.15 | 0.13 | 0.14 | 7.90 | ppb |
| Molybdenum | 98-1 | 0.12 | 0.12 | 0.10 | 0.12 | 10.48 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 12.30 | 11.58 | 11.70 | 11.86 | 3.27 | ppb |
| Phosphorus | 31-2 | 296.47 | 284.43 | 288.95 | 289.95 | 2.10 | ppb |
| Potassium | 39-2 | 625.20 | 631.55 | 629.47 | 628.74 | 0.52 | ppb |
| Rhodium | 103-1 | | | | 99 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 97 | | % |
| Scandium | 45-2 | | | | 96 | | % |
| Selenium | 82-1 | -0.16 | 0.63 | 0.27 | 0.25 | 158.45 | ppb |
| Selenium | 77-2 | 1.84 | 0.73 | 0.74 | 1.10 | 58.00 | ppb |
| Selenium | 78-2 | -0.13 | -1.87 | -0.90 | -0.97 | | ppb |
| Silicon | 28-1 | 150.45 | 152.72 | 154.99 | 152.72 | 1.49 | ppb |
| Silver | 107-1 | 0.23 | 0.23 | 0.24 | 0.23 | 3.50 | ppb |
| Silver | 109-1 | 0.20 | 0.23 | 0.22 | 0.22 | 7.58 | ppb |
| Sodium | 23-2 | 42.93 | 44.35 | 45.62 | 44.30 | 3.04 | ppb |
| Strontium | 86-1 | 16.45 | 16.69 | 17.15 | 16.76 | 2.12 | ppb |
| Strontium | 88-1 | 16.66 | 16.91 | 17.17 | 16.91 | 1.51 | ppb |
| Sulfur | 34-1 | -1357.76 | -1275.31 | -1137.06 | -1256.71 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.06 | 0.07 | 0.07 | 0.07 | 6.50 | ppb |
| Thallium | 205-1 | 0.06 | 0.06 | 0.06 | 0.06 | 2.15 | ppb |
| Tin | 118-1 | 0.51 | 0.53 | 0.51 | 0.52 | 2.56 | ppb |
| Titanium | 47-1 | 98.45 | 101.20 | 102.91 | 100.86 | 2.23 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 13:36:14 | DataFile Name : | 024SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.11 | 0.12 | 0.12 | 0.11 | 5.34 | ppb |
| Vanadium | 51-2 | 8.54 | 8.61 | 8.83 | 8.66 | 1.75 | ppb |
| Yttrium | 89-1 | | | | 97 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | 56.58 | 57.32 | 56.29 | 56.73 | 0.94 | ppb |
| Zirconium | 90-1 | 1.36 | 1.52 | 1.46 | 1.45 | 5.53 | ppb |
| Zirconium | 91-1 | 1.42 | 1.45 | 1.48 | 1.45 | 2.10 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-06REDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:39:32 | DataFile Name : | 025SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5.82 | 5.93 | 5.94 | 5.90 | 1.10 | ppb |
| Antimony | 121-1 | 0.01 | 0.01 | 0.01 | 0.01 | 34.46 | ppb |
| Arsenic | 75-2 | 0.02 | 0.01 | 0.01 | 0.01 | 52.17 | ppb |
| Barium | 135-1 | 0.17 | 0.16 | 0.15 | 0.16 | 4.45 | ppb |
| Barium | 137-1 | 0.17 | 0.18 | 0.16 | 0.17 | 8.34 | ppb |
| Beryllium | 9-1 | 0.00 | 0.00 | 0.00 | 0.00 | 283.28 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.03 | 0.05 | -0.03 | 0.00 | | ppb |
| Cadmium | 106-1 | -0.75 | -0.77 | -0.72 | -0.74 | | ppb |
| Cadmium | 111-1 | -0.05 | -0.05 | -0.04 | -0.05 | | ppb |
| Calcium | 43-1 | 5.96 | 6.00 | 3.24 | 5.07 | 31.18 | ppb |
| Calcium | 44-1 | -3.10 | -5.27 | -4.60 | -4.32 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.01 | 0.03 | 0.01 | 0.01 | 69.93 | ppb |
| Cobalt | 59-2 | 0.00 | 0.01 | 0.01 | 0.01 | 69.47 | ppb |
| Copper | 63-2 | 0.34 | 0.27 | 0.30 | 0.30 | 11.71 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 102 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 8.28 | 8.07 | 8.28 | 8.21 | 1.50 | ppb |
| Iron | 57-2 | 8.31 | 1.95 | 5.23 | 5.16 | 61.54 | ppb |
| Iron | 54-2 | 7.37 | 8.15 | 7.50 | 7.67 | 5.44 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-06REDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:39:32 | DataFile Name : | 025SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.12 | 0.10 | 0.09 | 0.10 | 13.66 | ppb |
| Lead | 207-1 | 0.06 | 0.10 | 0.09 | 0.08 | 21.00 | ppb |
| Lead | 208-1 | 0.09 | 0.09 | 0.08 | 0.09 | 7.19 | ppb |
| Lithium | 6-1 | | | | 103 | | % |
| Magnesium | 24-2 | 4.39 | 3.81 | 3.82 | 4.01 | 8.22 | ppb |
| Manganese | 55-2 | 1.39 | 1.39 | 1.36 | 1.38 | 1.48 | ppb |
| Molybdenum | 94-1 | 0.07 | 0.05 | 0.04 | 0.05 | 24.91 | ppb |
| Molybdenum | 95-1 | 0.06 | 0.05 | 0.05 | 0.05 | 5.84 | ppb |
| Molybdenum | 96-1 | 0.05 | 0.05 | 0.04 | 0.05 | 15.31 | ppb |
| Molybdenum | 97-1 | 0.03 | 0.05 | 0.05 | 0.05 | 25.07 | ppb |
| Molybdenum | 98-1 | 0.04 | 0.04 | 0.05 | 0.04 | 10.99 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.08 | 0.05 | 0.00 | 0.04 | 96.44 | ppb |
| Phosphorus | 31-2 | -17.50 | -15.68 | -19.58 | -17.58 | | ppb |
| Potassium | 39-2 | -0.19 | 1.90 | 1.64 | 1.12 | 102.05 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 96 | | % |
| Scandium | 45-2 | | | | 95 | | % |
| Selenium | 82-1 | 0.08 | -0.14 | 0.37 | 0.11 | 242.29 | ppb |
| Selenium | 77-2 | -0.37 | 0.01 | -0.37 | -0.24 | | ppb |
| Selenium | 78-2 | 0.66 | -0.14 | -1.24 | -0.24 | | ppb |
| Silicon | 28-1 | -1.48 | -1.38 | -1.16 | -1.34 | | ppb |
| Silver | 107-1 | 0.01 | 0.01 | 0.01 | 0.01 | 23.62 | ppb |
| Silver | 109-1 | 0.01 | 0.01 | 0.00 | 0.01 | 34.09 | ppb |
| Sodium | 23-2 | 18.65 | 18.27 | 14.05 | 16.99 | 15.04 | ppb |
| Strontium | 86-1 | 0.12 | 0.12 | 0.12 | 0.12 | 1.15 | ppb |
| Strontium | 88-1 | 0.12 | 0.12 | 0.11 | 0.12 | 2.60 | ppb |
| Sulfur | 34-1 | -1190.30 | -1298.86 | -1131.78 | -1206.98 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.02 | 0.02 | 0.02 | 0.02 | 7.20 | ppb |
| Thallium | 205-1 | 0.01 | 0.02 | 0.01 | 0.01 | 23.87 | ppb |
| Tin | 118-1 | 0.00 | -0.02 | 0.00 | -0.01 | | ppb |
| Titanium | 47-1 | 0.13 | 0.16 | 0.22 | 0.17 | 27.04 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-06REDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:39:32 | DataFile Name : | 025SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | 9.35 | ppb |
| Vanadium | 51-2 | 0.03 | 0.03 | 0.01 | 0.02 | 49.50 | ppb |
| Yttrium | 89-1 | | | | 96 | | % |
| Yttrium | 89-2 | | | | 98 | | % |
| Zinc | 66-2 | 0.21 | 0.37 | 0.20 | 0.26 | 35.50 | ppb |
| Zirconium | 90-1 | 0.01 | 0.01 | 0.02 | 0.02 | 22.18 | ppb |
| Zirconium | 91-1 | 0.02 | 0.01 | 0.02 | 0.02 | 18.16 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04REMSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:42:49 | DataFile Name : | 026SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3.82 | 3.28 | 2.88 | 3.33 | 14.05 | ppb |
| Antimony | 121-1 | 0.01 | 0.01 | 0.01 | 0.01 | 24.52 | ppb |
| Arsenic | 75-2 | 0.02 | 0.00 | -0.01 | 0.00 | 7683.26 | ppb |
| Barium | 135-1 | 0.05 | 0.06 | 0.04 | 0.05 | 19.43 | ppb |
| Barium | 137-1 | 0.08 | 0.05 | 0.07 | 0.07 | 17.23 | ppb |
| Beryllium | 9-1 | 0.01 | 0.00 | 0.01 | 0.01 | 52.70 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.10 | -0.03 | -0.14 | -0.09 | | ppb |
| Cadmium | 106-1 | -1.29 | -0.46 | -0.13 | -0.63 | | ppb |
| Cadmium | 111-1 | -0.09 | -0.02 | 0.01 | -0.03 | | ppb |
| Calcium | 43-1 | 6.26 | 0.48 | 4.67 | 3.80 | 78.55 | ppb |
| Calcium | 44-1 | -5.77 | -6.28 | -5.77 | -5.94 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.04 | 0.05 | 0.00 | 0.03 | 76.15 | ppb |
| Cobalt | 59-2 | 0.00 | 0.01 | 0.00 | 0.00 | 150.86 | ppb |
| Copper | 63-2 | 0.16 | 0.15 | 0.14 | 0.15 | 6.11 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 102 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 3.30 | 3.64 | 3.39 | 3.44 | 5.09 | ppb |
| Iron | 57-2 | 0.52 | 1.54 | 0.95 | 1.00 | 51.14 | ppb |
| Iron | 54-2 | 4.48 | 2.84 | 2.40 | 3.24 | 33.89 | ppb |
| Krypton | 83-1 | | | | | | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04REMSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:42:49 | DataFile Name : | 026SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.07 | 0.05 | 0.08 | 0.06 | 22.19 | ppb |
| Lead | 207-1 | 0.05 | 0.07 | 0.06 | 0.06 | 10.93 | ppb |
| Lead | 208-1 | 0.06 | 0.06 | 0.06 | 0.06 | 2.73 | ppb |
| Lithium | 6-1 | | | | 104 | | % |
| Magnesium | 24-2 | 2.89 | 2.54 | 3.07 | 2.83 | 9.55 | ppb |
| Manganese | 55-2 | 0.46 | 0.38 | 0.38 | 0.41 | 10.80 | ppb |
| Molybdenum | 94-1 | 0.05 | 0.06 | 0.05 | 0.05 | 8.11 | ppb |
| Molybdenum | 95-1 | 0.04 | 0.06 | 0.05 | 0.05 | 21.34 | ppb |
| Molybdenum | 96-1 | 0.05 | 0.04 | 0.05 | 0.05 | 8.31 | ppb |
| Molybdenum | 97-1 | 0.05 | 0.06 | 0.04 | 0.05 | 25.03 | ppb |
| Molybdenum | 98-1 | 0.05 | 0.04 | 0.04 | 0.04 | 15.34 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.03 | 0.04 | 0.00 | 0.02 | 89.17 | ppb |
| Phosphorus | 31-2 | -16.19 | -21.84 | -16.30 | -18.11 | | ppb |
| Potassium | 39-2 | -3.65 | -0.73 | -4.54 | -2.97 | | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 97 | | % |
| Scandium | 45-2 | | | | 95 | | % |
| Selenium | 82-1 | -0.55 | -0.72 | -0.15 | -0.47 | | ppb |
| Selenium | 77-2 | -0.37 | -0.37 | -0.37 | -0.37 | | ppb |
| Selenium | 78-2 | 0.00 | -3.14 | -2.29 | -1.81 | | ppb |
| Silicon | 28-1 | -2.36 | -1.85 | -2.06 | -2.09 | | ppb |
| Silver | 107-1 | 0.01 | 0.01 | 0.01 | 0.01 | 8.92 | ppb |
| Silver | 109-1 | 0.01 | 0.01 | 0.01 | 0.01 | 8.03 | ppb |
| Sodium | 23-2 | 16.19 | 17.44 | 14.51 | 16.05 | 9.18 | ppb |
| Strontium | 86-1 | 0.09 | 0.10 | 0.09 | 0.09 | 4.43 | ppb |
| Strontium | 88-1 | 0.10 | 0.09 | 0.09 | 0.09 | 2.45 | ppb |
| Sulfur | 34-1 | -1220.30 | -1101.41 | -1249.16 | -1190.29 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.02 | 0.02 | 0.02 | 0.02 | 10.89 | ppb |
| Thallium | 205-1 | 0.01 | 0.01 | 0.02 | 0.01 | 24.36 | ppb |
| Tin | 118-1 | 0.03 | 0.00 | 0.01 | 0.01 | 103.71 | ppb |
| Titanium | 47-1 | 0.08 | 0.06 | 0.11 | 0.08 | 30.56 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04REMSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:42:49 | DataFile Name : | 026SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | 11.58 | ppb |
| Vanadium | 51-2 | 0.01 | 0.01 | 0.01 | 0.01 | 23.71 | ppb |
| Yttrium | 89-1 | | | | 96 | | % |
| Yttrium | 89-2 | | | | 99 | | % |
| Zinc | 66-2 | 0.15 | 0.17 | 0.17 | 0.16 | 6.65 | ppb |
| Zirconium | 90-1 | 0.01 | 0.01 | 0.00 | 0.01 | 76.87 | ppb |
| Zirconium | 91-1 | 0.00 | 0.01 | -0.01 | 0.00 | 1565.62 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-06DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:48:15 | DataFile Name : | 027SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 17584.21 | 17226.28 | 17151.25 | 17320.58 | 1.34 | ppb |
| Antimony | 121-1 | 18.58 | 18.90 | 19.63 | 19.04 | 2.82 | ppb |
| Arsenic | 75-2 | 41.40 | 41.51 | 40.85 | 41.25 | 0.85 | ppb |
| Barium | 135-1 | 842.01 | 850.86 | 878.00 | 856.96 | 2.19 | ppb |
| Barium | 137-1 | 917.12 | 929.38 | 937.41 | 927.97 | 1.10 | ppb |
| Beryllium | 9-1 | 10.01 | 10.35 | 10.43 | 10.26 | 2.17 | ppb |
| Bismuth | 209-1 | | | | 110 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 11.78 | 11.38 | 12.24 | 11.80 | 3.68 | ppb |
| Cadmium | 106-1 | 11.21 | 10.26 | 11.55 | 11.01 | 6.07 | ppb |
| Cadmium | 111-1 | 12.68 | 13.06 | 13.30 | 13.01 | 2.43 | ppb |
| Calcium | 43-1 | 6843.38 | 7212.23 | 7381.06 | 7145.56 | 3.85 | ppb |
| Calcium | 44-1 | 6611.97 | 6813.00 | 7081.90 | 6835.62 | 3.45 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 76.35 | 75.55 | 75.56 | 75.82 | 0.60 | ppb |
| Cobalt | 59-2 | 106.90 | 106.61 | 107.60 | 107.04 | 0.48 | ppb |
| Copper | 63-2 | 490.24 | 490.01 | 489.92 | 490.06 | 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 | | | | 104 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 101 | | % |
| Iron | 56-2 | 25338.82 | 25353.15 | 25383.18 | 25358.38 | 0.09 | ppb |
| Iron | 57-2 | 25117.49 | 25055.75 | 25108.00 | 25093.74 | 0.13 | ppb |
| Iron | 54-2 | 25780.36 | 25642.03 | 25186.01 | 25536.14 | 1.22 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-06DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:48:15 | DataFile Name : | 027SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 81.99 | 83.64 | 83.97 | 83.20 | 1.28 | ppb |
| Lead | 207-1 | 82.49 | 85.01 | 83.61 | 83.70 | 1.51 | ppb |
| Lead | 208-1 | 82.10 | 83.61 | 83.67 | 83.12 | 1.07 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 6020.46 | 5909.07 | 5790.07 | 5906.53 | 1.95 | ppb |
| Manganese | 55-2 | 4438.64 | 4431.01 | 4439.93 | 4436.53 | 0.11 | ppb |
| Molybdenum | 94-1 | 11.53 | 11.92 | 11.89 | 11.78 | 1.82 | ppb |
| Molybdenum | 95-1 | 0.55 | 0.58 | 0.53 | 0.55 | 4.47 | ppb |
| Molybdenum | 96-1 | 1.81 | 1.84 | 1.77 | 1.81 | 2.09 | ppb |
| Molybdenum | 97-1 | 0.51 | 0.50 | 0.47 | 0.50 | 4.14 | ppb |
| Molybdenum | 98-1 | 0.44 | 0.46 | 0.49 | 0.46 | 5.33 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 149.88 | 149.42 | 151.29 | 150.20 | 0.65 | ppb |
| Phosphorus | 31-2 | 1579.04 | 1543.83 | 1521.53 | 1548.13 | 1.87 | ppb |
| Potassium | 39-2 | 3175.70 | 3153.85 | 3162.48 | 3164.01 | 0.35 | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 99 | | % |
| Scandium | 45-1 | | | | 102 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 19.58 | 18.34 | 18.97 | 18.96 | 3.25 | ppb |
| Selenium | 77-2 | 20.46 | 28.69 | 28.43 | 25.86 | 18.10 | ppb |
| Selenium | 78-2 | 18.97 | 22.21 | 23.18 | 21.45 | 10.27 | ppb |
| Silicon | 28-1 | 625.43 | 650.27 | 655.86 | 643.86 | 2.52 | ppb |
| Silver | 107-1 | 8.63 | 8.69 | 9.15 | 8.82 | 3.20 | ppb |
| Silver | 109-1 | 8.64 | 8.92 | 9.06 | 8.88 | 2.39 | ppb |
| Sodium | 23-2 | 137.05 | 136.10 | 136.08 | 136.41 | 0.41 | ppb |
| Strontium | 86-1 | 81.04 | 81.14 | 82.35 | 81.51 | 0.89 | ppb |
| Strontium | 88-1 | 81.60 | 82.46 | 82.92 | 82.33 | 0.82 | ppb |
| Sulfur | 34-1 | -1354.01 | -1332.38 | -1372.49 | -1352.96 | | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 7.73 | 7.93 | 8.02 | 7.89 | 1.90 | ppb |
| Thallium | 205-1 | 7.66 | 7.89 | 7.94 | 7.83 | 1.87 | ppb |
| Tin | 118-1 | 2.61 | 2.65 | 2.87 | 2.71 | 5.30 | ppb |
| Titanium | 47-1 | 477.31 | 495.52 | 504.82 | 492.55 | 2.84 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-06DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:48:15 | DataFile Name : | 027SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.56 | 0.57 | 0.55 | 0.56 | 2.15 | ppb |
| Vanadium | 51-2 | 130.91 | 131.35 | 130.63 | 130.96 | 0.28 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | 373.70 | 372.32 | 373.43 | 373.15 | 0.20 | ppb |
| Zirconium | 90-1 | 6.95 | 7.05 | 6.99 | 7.00 | 0.70 | ppb |
| Zirconium | 91-1 | 6.79 | 6.89 | 7.27 | 6.98 | 3.62 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:51:25 | DataFile Name : | 028SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 17570.74 | 17722.03 | 17745.39 | 17679.39 | 0.54 | ppb |
| Antimony | 121-1 | 71.98 | 83.09 | 75.62 | 76.90 | 7.37 | ppb |
| Arsenic | 75-2 | 63.55 | 62.24 | 62.99 | 62.93 | 1.04 | ppb |
| Barium | 135-1 | 1992.23 | 2288.77 | 2127.26 | 2136.09 | 6.95 | ppb |
| Barium | 137-1 | 1997.18 | 2268.35 | 2096.76 | 2120.76 | 6.47 | ppb |
| Beryllium | 9-1 | 38.96 | 43.60 | 40.90 | 41.15 | 5.66 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 38.85 | 41.88 | 40.74 | 40.49 | 3.77 | ppb |
| Cadmium | 106-1 | 36.12 | 43.39 | 37.15 | 38.89 | 10.12 | ppb |
| Cadmium | 111-1 | 40.55 | 46.39 | 42.72 | 43.22 | 6.83 | ppb |
| Calcium | 43-1 | 6944.18 | 7962.86 | 7134.64 | 7347.23 | 7.37 | ppb |
| Calcium | 44-1 | 6718.52 | 7565.10 | 6697.73 | 6993.78 | 7.08 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 188.49 | 190.33 | 191.41 | 190.08 | 0.78 | ppb |
| Cobalt | 59-2 | 392.51 | 403.25 | 398.76 | 398.17 | 1.35 | ppb |
| Copper | 63-2 | 629.34 | 631.08 | 638.15 | 632.85 | 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 | | | | 100 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 96 | | % |
| Indium | 115-2 | | | | 101 | | % |
| Iron | 56-2 | 25005.03 | 25265.26 | 25240.52 | 25170.27 | 0.57 | ppb |
| Iron | 57-2 | 24559.10 | 24868.55 | 24744.32 | 24723.99 | 0.63 | ppb |
| Iron | 54-2 | 24825.57 | 25276.90 | 25601.44 | 25234.64 | 1.54 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:51:25 | DataFile Name : | 028SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 91.49 | 103.05 | 94.11 | 96.22 | 6.30 | ppb |
| Lead | 207-1 | 90.53 | 102.84 | 92.48 | 95.28 | 6.94 | ppb |
| Lead | 208-1 | 90.27 | 102.15 | 92.80 | 95.07 | 6.58 | ppb |
| Lithium | 6-1 | | | | 105 | | % |
| Magnesium | 24-2 | 5565.34 | 5681.38 | 5721.26 | 5655.99 | 1.43 | ppb |
| Manganese | 55-2 | 4625.70 | 4668.50 | 4649.07 | 4647.76 | 0.46 | ppb |
| Molybdenum | 94-1 | 11.64 | 12.62 | 11.35 | 11.87 | 5.61 | ppb |
| Molybdenum | 95-1 | 0.54 | 0.62 | 0.59 | 0.58 | 6.46 | ppb |
| Molybdenum | 96-1 | 1.89 | 1.89 | 1.77 | 1.85 | 3.68 | ppb |
| Molybdenum | 97-1 | 0.46 | 0.51 | 0.51 | 0.49 | 5.88 | ppb |
| Molybdenum | 98-1 | 0.47 | 0.51 | 0.48 | 0.48 | 4.44 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 436.87 | 438.19 | 442.15 | 439.07 | 0.63 | ppb |
| Phosphorus | 31-2 | 1459.58 | 1403.90 | 1464.08 | 1442.52 | 2.32 | ppb |
| Potassium | 39-2 | 3047.01 | 3066.55 | 3104.29 | 3072.62 | 0.95 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 99 | | % |
| Scandium | 45-1 | | | | 96 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | 81.43 | 90.71 | 81.64 | 84.60 | 6.26 | ppb |
| Selenium | 77-2 | 83.43 | 89.66 | 91.76 | 88.28 | 4.91 | ppb |
| Selenium | 78-2 | 82.68 | 78.25 | 78.91 | 79.94 | 2.99 | ppb |
| Silicon | 28-1 | 623.86 | 710.25 | 649.33 | 661.15 | 6.71 | ppb |
| Silver | 107-1 | 29.27 | 32.98 | 31.63 | 31.29 | 5.99 | ppb |
| Silver | 109-1 | 28.73 | 33.54 | 31.05 | 31.11 | 7.74 | ppb |
| Sodium | 23-2 | 135.24 | 142.09 | 140.32 | 139.22 | 2.56 | ppb |
| Strontium | 86-1 | 80.27 | 90.45 | 81.38 | 84.03 | 6.65 | ppb |
| Strontium | 88-1 | 80.95 | 89.79 | 82.31 | 84.35 | 5.65 | ppb |
| Sulfur | 34-1 | -1627.08 | -937.88 | -1527.42 | -1364.13 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 32.12 | 35.68 | 32.67 | 33.49 | 5.73 | ppb |
| Thallium | 205-1 | 31.89 | 36.24 | 32.57 | 33.57 | 6.98 | ppb |
| Tin | 118-1 | 2.67 | 3.01 | 2.77 | 2.81 | 6.26 | ppb |
| Titanium | 47-1 | 474.26 | 543.96 | 494.47 | 504.23 | 7.11 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:51:25 | DataFile Name : | 028SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.56 | 0.61 | 0.57 | 0.58 | 4.70 | ppb |
| Vanadium | 51-2 | 405.25 | 410.87 | 415.60 | 410.57 | 1.26 | ppb |
| Yttrium | 89-1 | | | | 97 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | 640.29 | 646.93 | 655.96 | 647.73 | 1.21 | ppb |
| Zirconium | 90-1 | 6.87 | 7.76 | 7.06 | 7.23 | 6.49 | ppb |
| Zirconium | 91-1 | 6.60 | 7.60 | 6.93 | 7.04 | 7.27 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04A | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:54:30 | DataFile Name : | 029SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 61752.83 | 60628.49 | 60732.05 | 61037.79 | 1.02 | ppb |
| Antimony | 121-1 | 3.71 | 4.00 | 3.77 | 3.83 | 3.88 | ppb |
| Arsenic | 75-2 | 125.43 | 127.02 | 123.06 | 125.17 | 1.60 | ppb |
| Barium | 135-1 | 2151.20 | 2211.57 | 2192.98 | 2185.25 | 1.41 | ppb |
| Barium | 137-1 | 2139.36 | 2220.78 | 2214.18 | 2191.44 | 2.06 | ppb |
| Beryllium | 9-1 | 3.15 | 3.60 | 3.69 | 3.48 | 8.37 | ppb |
| Bismuth | 209-1 | | | | 111 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 13.95 | 13.31 | 14.86 | 14.04 | 5.53 | ppb |
| Cadmium | 106-1 | 16.05 | 15.23 | 13.15 | 14.81 | 10.09 | ppb |
| Cadmium | 111-1 | 13.18 | 13.95 | 13.62 | 13.58 | 2.81 | ppb |
| Calcium | 43-1 | 24933.43 | 25856.56 | 26467.24 | 25752.41 | 3.00 | ppb |
| Calcium | 44-1 | 24023.61 | 24816.04 | 25183.92 | 24674.52 | 2.40 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 145.91 | 144.43 | 144.80 | 145.05 | 0.53 | ppb |
| Cobalt | 59-2 | 70.17 | 69.52 | 69.42 | 69.70 | 0.59 | ppb |
| Copper | 63-2 | 1663.56 | 1659.56 | 1641.38 | 1654.83 | 0.71 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 104 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 91663.73 | 90899.01 | 90573.52 | 91045.42 | 0.61 | ppb |
| Iron | 57-2 | 89815.08 | 89888.24 | 88991.15 | 89564.82 | 0.56 | ppb |
| Iron | 54-2 | 90717.04 | 90218.30 | 90213.73 | 90383.02 | 0.32 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:Mohan
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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04A | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:54:30 | DataFile Name : | 029SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 292.30 | 300.44 | 301.72 | 298.15 | 1.71 | ppb |
| Lead | 207-1 | 295.81 | 302.28 | 299.35 | 299.14 | 1.08 | ppb |
| Lead | 208-1 | 316.32 | 324.81 | 324.57 | 321.90 | 1.50 | ppb |
| Lithium | 6-1 | | | | 107 | | % |
| Magnesium | 24-2 | 21258.83 | 21169.92 | 21181.40 | 21203.39 | 0.23 | ppb |
| Manganese | 55-2 | 16919.14 | 16831.88 | 16834.04 | 16861.69 | 0.30 | ppb |
| Molybdenum | 94-1 | 45.55 | 48.20 | 48.64 | 47.46 | 3.52 | ppb |
| Molybdenum | 95-1 | 1.73 | 1.84 | 1.76 | 1.77 | 3.07 | ppb |
| Molybdenum | 96-1 | 6.54 | 6.77 | 7.20 | 6.84 | 4.89 | ppb |
| Molybdenum | 97-1 | 1.50 | 1.46 | 1.48 | 1.48 | 1.26 | ppb |
| Molybdenum | 98-1 | 1.44 | 1.48 | 1.54 | 1.49 | 3.47 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 215.69 | 214.18 | 213.59 | 214.49 | 0.51 | ppb |
| Phosphorus | 31-2 | 5449.99 | 5490.54 | 5341.32 | 5427.29 | 1.42 | ppb |
| Potassium | 39-2 | 11099.13 | 10954.58 | 10823.43 | 10959.05 | 1.26 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 106 | | % |
| Scandium | 45-2 | | | | 104 | | % |
| Selenium | 82-1 | 2.38 | 3.40 | 3.90 | 3.23 | 23.88 | ppb |
| Selenium | 77-2 | 26.85 | 29.78 | 37.28 | 31.30 | 17.18 | ppb |
| Selenium | 78-2 | 7.80 | 6.07 | 6.20 | 6.69 | 14.39 | ppb |
| Silicon | 28-1 | 2652.68 | 2684.49 | 2745.07 | 2694.08 | 1.74 | ppb |
| Silver | 107-1 | 8.23 | 8.64 | 8.54 | 8.47 | 2.50 | ppb |
| Silver | 109-1 | 8.34 | 8.52 | 8.51 | 8.46 | 1.24 | ppb |
| Sodium | 23-2 | 489.75 | 492.34 | 492.13 | 491.41 | 0.29 | ppb |
| Strontium | 86-1 | 290.96 | 300.53 | 304.03 | 298.50 | 2.27 | ppb |
| Strontium | 88-1 | 299.38 | 313.41 | 314.20 | 309.00 | 2.70 | ppb |
| Sulfur | 34-1 | -1201.00 | -1289.98 | -1119.16 | -1203.38 | | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 0.87 | 0.91 | 0.92 | 0.90 | 3.35 | ppb |
| Thallium | 205-1 | 0.87 | 0.88 | 0.91 | 0.89 | 2.84 | ppb |
| Tin | 118-1 | 9.61 | 9.95 | 9.74 | 9.76 | 1.77 | ppb |
| Titanium | 47-1 | 1796.80 | 1859.57 | 1886.89 | 1847.75 | 2.50 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04A | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:54:30 | DataFile Name : | 029SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 2.02 | 2.13 | 2.14 | 2.10 | 3.15 | ppb |
| Vanadium | 51-2 | 159.87 | 158.95 | 157.26 | 158.69 | 0.83 | ppb |
| Yttrium | 89-1 | | | | 107 | | % |
| Yttrium | 89-2 | | | | 108 | | % |
| Zinc | 66-2 | 1048.17 | 1027.85 | 1026.46 | 1034.16 | 1.18 | ppb |
| Zirconium | 90-1 | 27.12 | 28.27 | 28.47 | 27.95 | 2.62 | ppb |
| Zirconium | 91-1 | 27.42 | 27.75 | 28.73 | 27.97 | 2.43 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV036 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV036 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:57:36 | DataFile Name : | 030CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 48983.05 | 49427.03 | 48638.36 | 49016.14 | 0.81 | ppb |
| Antimony | 121-1 | 476.57 | 482.86 | 500.83 | 486.75 | 2.59 | ppb |
| Arsenic | 75-2 | 529.24 | 522.51 | 518.75 | 523.50 | 1.02 | ppb |
| Barium | 135-1 | 2417.91 | 2410.79 | 2512.23 | 2446.98 | 2.31 | ppb |
| Barium | 137-1 | 2364.38 | 2400.97 | 2471.62 | 2412.32 | 2.26 | ppb |
| Beryllium | 9-1 | 499.39 | 497.06 | 507.78 | 501.41 | 1.12 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 495.21 | 499.97 | 517.73 | 504.30 | 2.35 | ppb |
| Cadmium | 106-1 | 499.03 | 501.01 | 514.93 | 504.99 | 1.72 | ppb |
| Cadmium | 111-1 | 493.91 | 501.20 | 513.90 | 503.00 | 2.01 | ppb |
| Calcium | 43-1 | 241359.65 | 239921.50 | 248323.77 | 243201.64 | 1.85 | ppb |
| Calcium | 44-1 | 238496.67 | 238114.66 | 243343.98 | 239985.10 | 1.21 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 479.86 | 491.92 | 482.39 | 484.73 | 1.31 | ppb |
| Cobalt | 59-2 | 516.96 | 518.32 | 510.74 | 515.34 | 0.78 | ppb |
| Copper | 63-2 | 5008.94 | 5027.00 | 4979.88 | 5005.27 | 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 | | | | 105 | | % |
| Holmium | 165-2 | | | | 108 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 123399.02 | 124569.28 | 123364.21 | 123777.50 | 0.55 | ppb |
| Iron | 57-2 | 123014.41 | 124140.73 | 122501.48 | 123218.87 | 0.68 | ppb |
| Iron | 54-2 | 124098.02 | 123966.66 | 123587.30 | 123884.00 | 0.21 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV036 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV036 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:57:36 | DataFile Name : | 030CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2442.94 | 2424.37 | 2444.35 | 2437.22 | 0.46 | ppb |
| Lead | 207-1 | 2473.11 | 2452.01 | 2464.18 | 2463.10 | 0.43 | ppb |
| Lead | 208-1 | 2450.69 | 2445.17 | 2442.77 | 2446.21 | 0.17 | ppb |
| Lithium | 6-1 | | | | 108 | | % |
| Magnesium | 24-2 | 239595.89 | 241173.03 | 236217.44 | 238995.45 | 1.06 | ppb |
| Manganese | 55-2 | 4854.31 | 4837.26 | 4814.52 | 4835.36 | 0.41 | ppb |
| Molybdenum | 94-1 | 4834.60 | 4934.13 | 4950.58 | 4906.44 | 1.28 | ppb |
| Molybdenum | 95-1 | 4848.33 | 4833.21 | 4934.13 | 4871.89 | 1.12 | ppb |
| Molybdenum | 96-1 | 4831.15 | 4812.83 | 4948.75 | 4864.24 | 1.52 | ppb |
| Molybdenum | 97-1 | 4802.42 | 4855.49 | 4904.86 | 4854.26 | 1.06 | ppb |
| Molybdenum | 98-1 | 4784.00 | 4819.42 | 4906.19 | 4836.54 | 1.30 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 508.79 | 511.12 | 506.48 | 508.80 | 0.46 | ppb |
| Phosphorus | 31-2 | 9763.61 | 9655.07 | 9796.68 | 9738.45 | 0.76 | ppb |
| Potassium | 39-2 | 120757.38 | 122675.45 | 121226.17 | 121553.00 | 0.82 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 98 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 498.63 | 505.43 | 514.35 | 506.14 | 1.56 | ppb |
| Selenium | 77-2 | 521.91 | 523.39 | 524.04 | 523.11 | 0.21 | ppb |
| Selenium | 78-2 | 542.20 | 521.83 | 530.64 | 531.56 | 1.92 | ppb |
| Silicon | 28-1 | 2409.23 | 2436.43 | 2486.43 | 2444.03 | 1.60 | ppb |
| Silver | 107-1 | 497.90 | 503.78 | 512.02 | 504.57 | 1.41 | ppb |
| Silver | 109-1 | 495.80 | 502.27 | 518.65 | 505.57 | 2.33 | ppb |
| Sodium | 23-2 | 245000.34 | 246134.17 | 243125.30 | 244753.27 | 0.62 | ppb |
| Strontium | 86-1 | 11898.86 | 12079.64 | 12162.99 | 12047.16 | 1.12 | ppb |
| Strontium | 88-1 | 11962.12 | 12146.61 | 12326.14 | 12144.96 | 1.50 | ppb |
| Sulfur | 34-1 | 9030.19 | 8928.26 | 9417.18 | 9125.21 | 2.83 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 490.85 | 486.72 | 497.61 | 491.72 | 1.12 | ppb |
| Thallium | 205-1 | 487.36 | 489.82 | 486.14 | 487.77 | 0.38 | ppb |
| Tin | 118-1 | 459.81 | 469.39 | 491.15 | 473.45 | 3.39 | ppb |
| Titanium | 47-1 | 4787.33 | 4802.38 | 4936.21 | 4841.97 | 1.69 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV036 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV036 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:57:36 | DataFile Name : | 030CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 500.48 | 495.08 | 492.29 | 495.95 | 0.84 | ppb |
| Vanadium | 51-2 | 497.32 | 495.58 | 488.26 | 493.72 | 0.97 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | 5005.63 | 5076.57 | 4947.13 | 5009.78 | 1.29 | ppb |
| Zirconium | 90-1 | 488.47 | 491.03 | 501.39 | 493.63 | 1.39 | ppb |
| Zirconium | 91-1 | 478.83 | 484.12 | 493.95 | 485.64 | 1.58 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB036 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB036 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:00:36 | DataFile Name : | 031CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3.12 | 1.80 | 2.04 | 2.32 | 30.45 | ppb |
| Antimony | 121-1 | 0.28 | 0.26 | 0.31 | 0.28 | 7.68 | ppb |
| Arsenic | 75-2 | 0.04 | 0.01 | 0.03 | 0.03 | 69.75 | ppb |
| Barium | 135-1 | 0.14 | 0.14 | 0.10 | 0.12 | 19.88 | ppb |
| Barium | 137-1 | 0.15 | 0.14 | 0.09 | 0.13 | 24.36 | ppb |
| Beryllium | 9-1 | 0.04 | 0.04 | 0.01 | 0.03 | 62.56 | ppb |
| Bismuth | 209-1 | | | | 111 | | % |
| Bismuth | 209-2 | | | | 110 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.07 | -0.03 | 0.16 | 0.02 | 657.64 | ppb |
| Cadmium | 106-1 | -0.61 | -1.16 | -1.16 | -0.98 | | ppb |
| Cadmium | 111-1 | 0.03 | -0.04 | -0.04 | -0.02 | | ppb |
| Calcium | 43-1 | 12.35 | 6.68 | 8.03 | 9.02 | 32.84 | ppb |
| Calcium | 44-1 | -0.69 | -3.55 | -3.23 | -2.49 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.01 | 0.03 | 0.02 | 0.02 | 27.94 | ppb |
| Cobalt | 59-2 | 0.01 | 0.02 | 0.01 | 0.01 | 46.11 | ppb |
| Copper | 63-2 | 0.29 | 0.33 | 0.25 | 0.29 | 12.60 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 104 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 101 | | % |
| Iron | 56-2 | 4.52 | 4.41 | 4.36 | 4.43 | 1.88 | ppb |
| Iron | 57-2 | -0.01 | 0.08 | -0.12 | -0.02 | | ppb |
| Iron | 54-2 | 8.39 | 3.64 | 3.75 | 5.26 | 51.49 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB036 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB036 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:00:36 | DataFile Name : | 031CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.18 | 0.19 | 0.12 | 0.16 | 22.00 | ppb |
| Lead | 207-1 | 0.18 | 0.16 | 0.13 | 0.16 | 16.23 | ppb |
| Lead | 208-1 | 0.18 | 0.16 | 0.14 | 0.16 | 13.53 | ppb |
| Lithium | 6-1 | | | | 106 | | % |
| Magnesium | 24-2 | 70.10 | 7.94 | 7.09 | 28.38 | 127.34 | ppb |
| Manganese | 55-2 | 0.32 | 0.26 | 0.31 | 0.29 | 11.63 | ppb |
| Molybdenum | 94-1 | 0.42 | 0.31 | 0.33 | 0.35 | 16.49 | ppb |
| Molybdenum | 95-1 | 0.38 | 0.29 | 0.26 | 0.31 | 20.53 | ppb |
| Molybdenum | 96-1 | 0.37 | 0.29 | 0.29 | 0.32 | 13.72 | ppb |
| Molybdenum | 97-1 | 0.37 | 0.28 | 0.33 | 0.32 | 12.67 | ppb |
| Molybdenum | 98-1 | 0.39 | 0.31 | 0.30 | 0.34 | 15.38 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.02 | 0.03 | -0.03 | 0.01 | 426.06 | ppb |
| Phosphorus | 31-2 | -24.07 | -16.49 | -17.65 | -19.40 | | ppb |
| Potassium | 39-2 | 0.91 | 3.18 | 3.06 | 2.38 | 53.77 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 101 | | % |
| Scandium | 45-1 | | | | 99 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 0.82 | 0.60 | -0.13 | 0.43 | 116.61 | ppb |
| Selenium | 77-2 | -0.01 | -0.37 | 0.00 | -0.13 | | ppb |
| Selenium | 78-2 | -1.52 | 0.98 | -2.10 | -0.88 | | ppb |
| Silicon | 28-1 | -2.68 | -2.59 | -2.50 | -2.59 | | ppb |
| Silver | 107-1 | 0.06 | 0.05 | 0.04 | 0.05 | 21.28 | ppb |
| Silver | 109-1 | 0.06 | 0.06 | 0.05 | 0.06 | 13.67 | ppb |
| Sodium | 23-2 | 52.10 | 51.36 | 47.70 | 50.39 | 4.68 | ppb |
| Strontium | 86-1 | 0.54 | 0.42 | 0.34 | 0.44 | 23.33 | ppb |
| Strontium | 88-1 | 0.59 | 0.44 | 0.39 | 0.47 | 22.03 | ppb |
| Sulfur | 34-1 | -601.49 | -460.93 | -397.89 | -486.77 | | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 0.08 | 0.08 | 0.06 | 0.07 | 19.58 | ppb |
| Thallium | 205-1 | 0.09 | 0.08 | 0.06 | 0.08 | 16.56 | ppb |
| Tin | 118-1 | 0.13 | 0.16 | 0.18 | 0.16 | 17.03 | ppb |
| Titanium | 47-1 | 0.16 | 0.21 | 0.25 | 0.21 | 23.58 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB036 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB036 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:00:36 | DataFile Name : | 031CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.02 | 0.02 | 0.02 | 0.02 | 15.51 | ppb |
| Vanadium | 51-2 | 0.01 | 0.02 | 0.01 | 0.01 | 41.80 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 0.17 | 0.20 | 0.15 | 0.17 | 14.81 | ppb |
| Zirconium | 90-1 | 0.05 | 0.04 | 0.03 | 0.04 | 25.68 | ppb |
| Zirconium | 91-1 | 0.03 | 0.03 | 0.03 | 0.03 | 8.06 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164345BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS345 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:05:45 | DataFile Name : | 032CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1.48 | 0.86 | 0.81 | 1.05 | 35.55 | ppb |
| Antimony | 121-1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.95 | ppb |
| Arsenic | 75-2 | 0.00 | 0.01 | 0.02 | 0.01 | 166.46 | ppb |
| Barium | 135-1 | 0.06 | 0.04 | 0.09 | 0.06 | 40.70 | ppb |
| Barium | 137-1 | 0.08 | 0.05 | 0.06 | 0.06 | 26.23 | ppb |
| Beryllium | 9-1 | 0.02 | 0.03 | 0.00 | 0.02 | 73.70 | ppb |
| Bismuth | 209-1 | | | | 111 | | % |
| Bismuth | 209-2 | | | | 110 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.07 | -0.11 | -0.14 | -0.11 | | ppb |
| Cadmium | 106-1 | -2.15 | -1.33 | -1.86 | -1.78 | | ppb |
| Cadmium | 111-1 | -0.14 | -0.08 | -0.10 | -0.10 | | ppb |
| Calcium | 43-1 | 3.22 | 4.44 | 0.56 | 2.74 | 72.50 | ppb |
| Calcium | 44-1 | -9.00 | -8.55 | -11.21 | -9.59 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | -0.01 | -0.01 | -0.02 | -0.01 | | ppb |
| Cobalt | 59-2 | 0.01 | 0.00 | 0.01 | 0.01 | 124.70 | ppb |
| Copper | 63-2 | 0.11 | 0.16 | 0.15 | 0.14 | 21.27 | 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 | | | | 104 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 1.84 | 1.89 | 1.95 | 1.89 | 2.79 | ppb |
| Iron | 57-2 | -5.75 | -3.92 | -0.42 | -3.36 | | ppb |
| Iron | 54-2 | 1.50 | 1.98 | 1.38 | 1.62 | 19.48 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:Mohan
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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164345BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS345 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:05:45 | DataFile Name : | 032CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.09 | 0.07 | 0.06 | 0.07 | 21.28 | ppb |
| Lead | 207-1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.56 | ppb |
| Lead | 208-1 | 0.08 | 0.07 | 0.07 | 0.07 | 4.96 | ppb |
| Lithium | 6-1 | | | | 106 | | % |
| Magnesium | 24-2 | 3.66 | 3.51 | 3.75 | 3.64 | 3.34 | ppb |
| Manganese | 55-2 | 0.14 | 0.17 | 0.13 | 0.15 | 15.58 | ppb |
| Molybdenum | 94-1 | 0.10 | 0.07 | 0.08 | 0.08 | 17.35 | ppb |
| Molybdenum | 95-1 | 0.09 | 0.08 | 0.10 | 0.09 | 11.13 | ppb |
| Molybdenum | 96-1 | 0.09 | 0.09 | 0.08 | 0.08 | 8.78 | ppb |
| Molybdenum | 97-1 | 0.10 | 0.08 | 0.10 | 0.09 | 9.05 | ppb |
| Molybdenum | 98-1 | 0.09 | 0.08 | 0.09 | 0.08 | 8.62 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.00 | -0.01 | -0.03 | -0.01 | | ppb |
| Phosphorus | 31-2 | -23.26 | -19.80 | -19.21 | -20.76 | | ppb |
| Potassium | 39-2 | -4.70 | -5.84 | 0.31 | -3.41 | | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | -0.29 | 0.11 | -0.30 | -0.16 | | ppb |
| Selenium | 77-2 | 0.35 | -0.37 | 0.36 | 0.11 | 367.28 | ppb |
| Selenium | 78-2 | -1.55 | -1.48 | -1.48 | -1.50 | | ppb |
| Silicon | 28-1 | -3.92 | -3.08 | -3.84 | -3.61 | | ppb |
| Silver | 107-1 | 0.02 | 0.02 | 0.01 | 0.01 | 28.61 | ppb |
| Silver | 109-1 | 0.02 | 0.02 | 0.01 | 0.02 | 32.19 | ppb |
| Sodium | 23-2 | 29.45 | 31.31 | 29.30 | 30.02 | 3.74 | ppb |
| Strontium | 86-1 | 0.15 | 0.12 | 0.18 | 0.15 | 19.57 | ppb |
| Strontium | 88-1 | 0.15 | 0.14 | 0.16 | 0.15 | 4.32 | ppb |
| Sulfur | 34-1 | -761.09 | -541.68 | -662.87 | -655.21 | | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.04 | 0.04 | 0.04 | 0.04 | 5.42 | ppb |
| Thallium | 205-1 | 0.03 | 0.03 | 0.03 | 0.03 | 9.87 | ppb |
| Tin | 118-1 | 0.08 | 0.08 | 0.09 | 0.09 | 5.78 | ppb |
| Titanium | 47-1 | 0.06 | 0.05 | 0.08 | 0.07 | 22.46 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164345BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS345 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:05:45 | DataFile Name : | 032CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | 26.22 | ppb |
| Vanadium | 51-2 | 0.02 | 0.00 | 0.01 | 0.01 | 81.81 | ppb |
| Yttrium | 89-1 | | | | 101 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 0.05 | 0.01 | -0.03 | 0.01 | 380.04 | ppb |
| Zirconium | 90-1 | 0.01 | 0.01 | 0.01 | 0.01 | 19.00 | ppb |
| Zirconium | 91-1 | 0.01 | 0.02 | 0.01 | 0.01 | 34.32 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164345BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD345 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:12:21 | DataFile Name : | 034LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 20.41 | 21.13 | 20.90 | 20.81 | 1.78 | ppb |
| Antimony | 121-1 | 1.90 | 1.87 | 1.92 | 1.90 | 1.17 | ppb |
| Arsenic | 75-2 | 1.07 | 1.26 | 1.05 | 1.13 | 10.34 | ppb |
| Barium | 135-1 | 8.67 | 9.09 | 8.99 | 8.92 | 2.49 | ppb |
| Barium | 137-1 | 8.63 | 8.93 | 9.07 | 8.87 | 2.56 | ppb |
| Beryllium | 9-1 | 0.91 | 0.88 | 1.08 | 0.96 | 10.80 | ppb |
| Bismuth | 209-1 | | | | 111 | | % |
| Bismuth | 209-2 | | | | 110 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.15 | 0.89 | 1.43 | 1.16 | 23.35 | ppb |
| Cadmium | 106-1 | 1.00 | -0.31 | -0.08 | 0.21 | 339.65 | ppb |
| Cadmium | 111-1 | 1.12 | 1.16 | 1.15 | 1.14 | 1.71 | ppb |
| Calcium | 43-1 | 456.10 | 456.02 | 485.14 | 465.76 | 3.61 | ppb |
| Calcium | 44-1 | 460.90 | 474.28 | 473.42 | 469.53 | 1.60 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 2.21 | 2.22 | 2.06 | 2.16 | 4.16 | ppb |
| Cobalt | 59-2 | 0.98 | 1.02 | 0.95 | 0.98 | 3.24 | ppb |
| Copper | 63-2 | 2.16 | 2.26 | 2.22 | 2.21 | 2.35 | 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 | | | | 106 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 210.29 | 209.32 | 209.54 | 209.72 | 0.24 | ppb |
| Iron | 57-2 | 207.01 | 202.79 | 204.31 | 204.70 | 1.04 | ppb |
| Iron | 54-2 | 210.60 | 213.89 | 208.46 | 210.98 | 1.30 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164345BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD345 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:12:21 | DataFile Name : | 034LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.90 | 0.92 | 0.90 | 0.90 | 1.24 | ppb |
| Lead | 207-1 | 0.92 | 0.91 | 0.88 | 0.90 | 1.96 | ppb |
| Lead | 208-1 | 0.92 | 0.91 | 0.90 | 0.91 | 1.33 | ppb |
| Lithium | 6-1 | | | | 105 | | % |
| Magnesium | 24-2 | 523.61 | 522.19 | 520.43 | 522.08 | 0.31 | ppb |
| Manganese | 55-2 | 1.18 | 1.12 | 1.18 | 1.16 | 2.84 | ppb |
| Molybdenum | 94-1 | 5.01 | 5.11 | 5.41 | 5.17 | 4.03 | ppb |
| Molybdenum | 95-1 | 4.30 | 4.41 | 4.58 | 4.43 | 3.17 | ppb |
| Molybdenum | 96-1 | 4.27 | 4.29 | 4.54 | 4.36 | 3.40 | ppb |
| Molybdenum | 97-1 | 4.00 | 4.36 | 4.56 | 4.31 | 6.53 | ppb |
| Molybdenum | 98-1 | 4.26 | 4.37 | 4.36 | 4.33 | 1.41 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 1.19 | 1.03 | 1.04 | 1.09 | 8.06 | ppb |
| Phosphorus | 31-2 | -20.70 | -19.34 | -17.39 | -19.14 | | ppb |
| Potassium | 39-2 | 505.51 | 503.63 | 500.31 | 503.15 | 0.52 | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 101 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 4.98 | 5.26 | 5.09 | 5.11 | 2.79 | ppb |
| Selenium | 77-2 | 4.92 | 8.32 | 5.76 | 6.33 | 27.97 | ppb |
| Selenium | 78-2 | 3.29 | 3.81 | 4.17 | 3.75 | 11.83 | ppb |
| Silicon | 28-1 | -0.36 | 0.47 | 0.82 | 0.31 | 194.51 | ppb |
| Silver | 107-1 | 0.92 | 0.94 | 0.96 | 0.94 | 2.05 | ppb |
| Silver | 109-1 | 0.94 | 0.93 | 0.97 | 0.95 | 2.38 | ppb |
| Sodium | 23-2 | 517.11 | 510.21 | 510.74 | 512.68 | 0.75 | ppb |
| Strontium | 86-1 | 1.13 | 1.04 | 1.15 | 1.11 | 5.54 | ppb |
| Strontium | 88-1 | 1.07 | 1.12 | 1.10 | 1.10 | 2.41 | ppb |
| Sulfur | 34-1 | -620.59 | -275.32 | -288.64 | -394.85 | | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.80 | 0.81 | 0.86 | 0.82 | 3.88 | ppb |
| Thallium | 205-1 | 0.82 | 0.84 | 0.82 | 0.83 | 1.50 | ppb |
| Tin | 118-1 | 0.10 | 0.11 | 0.07 | 0.10 | 24.35 | ppb |
| Titanium | 47-1 | 4.39 | 4.73 | 4.56 | 4.56 | 3.73 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164345BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD345 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:12:21 | DataFile Name : | 034LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.81 | 0.80 | 0.81 | 0.81 | 0.76 | ppb |
| Vanadium | 51-2 | 4.78 | 4.95 | 4.96 | 4.90 | 2.16 | ppb |
| Yttrium | 89-1 | | | | 101 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | 5.28 | 5.54 | 4.94 | 5.25 | 5.71 | ppb |
| Zirconium | 90-1 | 0.94 | 1.00 | 1.00 | 0.98 | 3.63 | ppb |
| Zirconium | 91-1 | 0.95 | 0.96 | 1.02 | 0.97 | 4.02 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164349BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS349 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:15:39 | DataFile Name : | 035CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1.27 | 0.89 | 1.19 | 1.12 | 18.01 | ppb |
| Antimony | 121-1 | 0.02 | 0.02 | 0.03 | 0.02 | 40.54 | ppb |
| Arsenic | 75-2 | 0.00 | 0.00 | -0.01 | -0.01 | | ppb |
| Barium | 135-1 | 0.05 | 0.06 | 0.04 | 0.05 | 15.16 | ppb |
| Barium | 137-1 | 0.05 | 0.04 | 0.05 | 0.05 | 16.25 | ppb |
| Beryllium | 9-1 | 0.00 | -0.01 | 0.02 | 0.00 | 627.26 | ppb |
| Bismuth | 209-1 | | | | 110 | | % |
| Bismuth | 209-2 | | | | 110 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.14 | -0.07 | -0.11 | -0.10 | | ppb |
| Cadmium | 106-1 | -0.96 | -0.67 | 0.26 | -0.46 | | ppb |
| Cadmium | 111-1 | -0.06 | -0.03 | 0.04 | -0.01 | | ppb |
| Calcium | 43-1 | 0.81 | -0.11 | 2.38 | 1.03 | 122.73 | ppb |
| Calcium | 44-1 | -8.99 | -10.34 | -8.45 | -9.26 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.00 | -0.01 | -0.03 | -0.01 | | ppb |
| Cobalt | 59-2 | -0.01 | 0.01 | 0.00 | 0.00 | | ppb |
| Copper | 63-2 | 0.06 | 0.06 | 0.02 | 0.05 | 43.45 | 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 | | | | 105 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 103 | | % |
| Iron | 56-2 | 2.14 | 2.24 | 1.46 | 1.94 | 21.89 | ppb |
| Iron | 57-2 | -2.70 | 0.21 | -1.25 | -1.25 | | ppb |
| Iron | 54-2 | 1.25 | 1.68 | 1.26 | 1.39 | 17.72 | ppb |
| Krypton | 83-1 | | | | | | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164349BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS349 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:15:39 | DataFile Name : | 035CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.07 | 0.07 | 0.05 | 0.06 | 20.49 | ppb |
| Lead | 207-1 | 0.04 | 0.04 | 0.07 | 0.05 | 37.75 | ppb |
| Lead | 208-1 | 0.06 | 0.05 | 0.06 | 0.05 | 7.34 | ppb |
| Lithium | 6-1 | | | | 106 | | % |
| Magnesium | 24-2 | 3.02 | 3.00 | 3.00 | 3.01 | 0.37 | ppb |
| Manganese | 55-2 | 0.13 | 0.11 | 0.10 | 0.11 | 12.58 | ppb |
| Molybdenum | 94-1 | 0.06 | 0.06 | 0.07 | 0.06 | 2.79 | ppb |
| Molybdenum | 95-1 | 0.06 | 0.05 | 0.07 | 0.06 | 13.34 | ppb |
| Molybdenum | 96-1 | 0.05 | 0.06 | 0.05 | 0.05 | 14.01 | ppb |
| Molybdenum | 97-1 | 0.07 | 0.06 | 0.08 | 0.07 | 9.36 | ppb |
| Molybdenum | 98-1 | 0.06 | 0.06 | 0.06 | 0.06 | 6.29 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.01 | 0.04 | -0.03 | 0.00 | 6585.04 | ppb |
| Phosphorus | 31-2 | -26.07 | -14.33 | -19.30 | -19.90 | | ppb |
| Potassium | 39-2 | -4.77 | -0.26 | -1.20 | -2.07 | | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 102 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | -0.78 | 0.46 | 0.04 | -0.10 | | ppb |
| Selenium | 77-2 | 0.34 | -0.01 | -0.37 | -0.01 | | ppb |
| Selenium | 78-2 | -1.89 | -2.20 | -0.95 | -1.68 | | ppb |
| Silicon | 28-1 | -4.35 | -3.43 | -3.27 | -3.68 | | ppb |
| Silver | 107-1 | 0.02 | 0.02 | 0.02 | 0.02 | 10.27 | ppb |
| Silver | 109-1 | 0.02 | 0.02 | 0.02 | 0.02 | 8.80 | ppb |
| Sodium | 23-2 | 18.07 | 20.90 | 21.25 | 20.07 | 8.70 | ppb |
| Strontium | 86-1 | 0.07 | 0.13 | 0.08 | 0.10 | 30.35 | ppb |
| Strontium | 88-1 | 0.12 | 0.12 | 0.13 | 0.13 | 4.35 | ppb |
| Sulfur | 34-1 | -728.04 | -409.75 | -279.24 | -472.34 | | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.02 | 0.02 | 0.02 | 0.02 | 29.32 | ppb |
| Thallium | 205-1 | 0.02 | 0.02 | 0.02 | 0.02 | 19.27 | ppb |
| Tin | 118-1 | 0.05 | 0.08 | 0.09 | 0.07 | 25.79 | ppb |
| Titanium | 47-1 | 0.07 | 0.09 | 0.05 | 0.07 | 32.37 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164349BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS349 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:15:39 | DataFile Name : | 035CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.01 | 0.01 | 0.01 | 0.01 | 11.03 | ppb |
| Vanadium | 51-2 | 0.00 | 0.01 | 0.01 | 0.01 | 30.35 | ppb |
| Yttrium | 89-1 | | | | 101 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | -0.04 | -0.06 | 0.02 | -0.02 | | ppb |
| Zirconium | 90-1 | 0.01 | 0.01 | 0.01 | 0.01 | 44.47 | ppb |
| Zirconium | 91-1 | 0.00 | -0.01 | -0.01 | -0.01 | | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164349BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS349 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:24:43 | DataFile Name : | 037LCSE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 41.50 | 39.25 | 37.52 | 39.42 | 5.05 | ppb |
| Antimony | 121-1 | 3.73 | 3.82 | 4.09 | 3.88 | 4.90 | ppb |
| Arsenic | 75-2 | 1.71 | 1.89 | 2.10 | 1.90 | 10.36 | ppb |
| Barium | 135-1 | 17.86 | 18.08 | 18.73 | 18.22 | 2.47 | ppb |
| Barium | 137-1 | 17.46 | 18.07 | 18.50 | 18.01 | 2.91 | ppb |
| Beryllium | 9-1 | 2.06 | 2.12 | 2.12 | 2.10 | 1.49 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.81 | 2.12 | 2.18 | 2.04 | 9.72 | ppb |
| Cadmium | 106-1 | 0.22 | 0.91 | 0.19 | 0.44 | 93.45 | ppb |
| Cadmium | 111-1 | 2.22 | 2.06 | 2.20 | 2.16 | 4.04 | ppb |
| Calcium | 43-1 | 959.56 | 958.15 | 1009.71 | 975.81 | 3.01 | ppb |
| Calcium | 44-1 | 932.33 | 951.21 | 1000.20 | 961.25 | 3.64 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 4.25 | 4.22 | 4.26 | 4.24 | 0.53 | ppb |
| Cobalt | 59-2 | 1.98 | 1.95 | 1.94 | 1.96 | 1.01 | ppb |
| Copper | 63-2 | 4.06 | 3.95 | 3.99 | 4.00 | 1.44 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 99 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 413.81 | 411.83 | 406.90 | 410.84 | 0.87 | ppb |
| Iron | 57-2 | 413.71 | 419.11 | 402.60 | 411.81 | 2.04 | ppb |
| Iron | 54-2 | 419.64 | 413.96 | 413.00 | 415.53 | 0.86 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164349BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS349 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:24:43 | DataFile Name : | 037LCSE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1.68 | 1.70 | 1.83 | 1.74 | 4.62 | ppb |
| Lead | 207-1 | 1.70 | 1.77 | 1.78 | 1.75 | 2.40 | ppb |
| Lead | 208-1 | 1.72 | 1.73 | 1.80 | 1.75 | 2.48 | ppb |
| Lithium | 6-1 | | | | 102 | | % |
| Magnesium | 24-2 | 1041.78 | 1032.71 | 1029.56 | 1034.68 | 0.61 | ppb |
| Manganese | 55-2 | 2.07 | 2.03 | 2.00 | 2.03 | 1.75 | ppb |
| Molybdenum | 94-1 | 10.31 | 10.52 | 11.23 | 10.68 | 4.50 | ppb |
| Molybdenum | 95-1 | 8.60 | 8.85 | 9.41 | 8.95 | 4.64 | ppb |
| Molybdenum | 96-1 | 8.80 | 8.84 | 9.45 | 9.03 | 4.00 | ppb |
| Molybdenum | 97-1 | 8.60 | 8.76 | 9.23 | 8.86 | 3.73 | ppb |
| Molybdenum | 98-1 | 8.59 | 8.65 | 9.16 | 8.80 | 3.59 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 2.26 | 2.02 | 1.98 | 2.08 | 7.28 | ppb |
| Phosphorus | 31-2 | -20.94 | -15.64 | -20.24 | -18.94 | | ppb |
| Potassium | 39-2 | 1015.80 | 1015.00 | 999.56 | 1010.12 | 0.91 | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 101 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 9.31 | 9.67 | 11.53 | 10.17 | 11.76 | ppb |
| Selenium | 77-2 | 9.23 | 6.36 | 11.17 | 8.92 | 27.11 | ppb |
| Selenium | 78-2 | 10.18 | 6.90 | 11.47 | 9.52 | 24.80 | ppb |
| Silicon | 28-1 | 4.06 | 4.36 | 6.63 | 5.02 | 28.07 | ppb |
| Silver | 107-1 | 1.83 | 1.89 | 2.03 | 1.92 | 5.30 | ppb |
| Silver | 109-1 | 1.87 | 1.92 | 2.02 | 1.94 | 4.15 | ppb |
| Sodium | 23-2 | 1002.29 | 994.22 | 983.67 | 993.39 | 0.94 | ppb |
| Strontium | 86-1 | 1.93 | 1.98 | 2.08 | 2.00 | 3.66 | ppb |
| Strontium | 88-1 | 2.02 | 2.04 | 2.18 | 2.08 | 4.33 | ppb |
| Sulfur | 34-1 | -145.32 | -2.55 | 374.51 | 75.55 | 355.49 | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 1.68 | 1.68 | 1.73 | 1.70 | 1.65 | ppb |
| Thallium | 205-1 | 1.64 | 1.69 | 1.71 | 1.68 | 2.10 | ppb |
| Tin | 118-1 | 0.06 | 0.11 | 0.12 | 0.10 | 32.26 | ppb |
| Titanium | 47-1 | 8.73 | 8.97 | 9.56 | 9.09 | 4.66 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164349BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS349 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:24:43 | DataFile Name : | 037LCSE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.55 | 1.56 | 1.69 | 1.60 | 5.09 | ppb |
| Vanadium | 51-2 | 9.66 | 9.75 | 9.54 | 9.65 | 1.09 | ppb |
| Yttrium | 89-1 | | | | 98 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | 9.73 | 10.31 | 10.23 | 10.09 | 3.12 | ppb |
| Zirconium | 90-1 | 1.98 | 1.93 | 2.05 | 1.99 | 2.92 | ppb |
| Zirconium | 91-1 | 1.93 | 1.90 | 2.06 | 1.96 | 4.41 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164349BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD349 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:28:02 | DataFile Name : | 038LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 20.04 | 20.21 | 21.94 | 20.73 | 5.05 | ppb |
| Antimony | 121-1 | 1.96 | 1.92 | 2.04 | 1.97 | 2.86 | ppb |
| Arsenic | 75-2 | 1.03 | 1.03 | 1.15 | 1.07 | 6.55 | ppb |
| Barium | 135-1 | 9.12 | 9.17 | 9.30 | 9.20 | 1.03 | ppb |
| Barium | 137-1 | 9.15 | 9.32 | 9.14 | 9.20 | 1.12 | ppb |
| Beryllium | 9-1 | 0.90 | 0.91 | 1.00 | 0.94 | 6.21 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.48 | 1.39 | 1.33 | 1.40 | 5.63 | ppb |
| Cadmium | 106-1 | 0.76 | 0.67 | 0.69 | 0.70 | 6.54 | ppb |
| Cadmium | 111-1 | 1.43 | 1.39 | 1.25 | 1.36 | 7.11 | ppb |
| Calcium | 43-1 | 468.89 | 469.35 | 480.55 | 472.93 | 1.40 | ppb |
| Calcium | 44-1 | 473.42 | 476.75 | 471.98 | 474.05 | 0.52 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 2.32 | 2.23 | 2.18 | 2.25 | 3.17 | ppb |
| Cobalt | 59-2 | 0.94 | 1.08 | 1.00 | 1.01 | 7.20 | ppb |
| Copper | 63-2 | 2.10 | 2.02 | 1.92 | 2.02 | 4.48 | ppb |
| Dysprosium | 156-1 | | | | | | 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 | | | | 103 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 101 | | % |
| Iron | 56-2 | 209.45 | 211.33 | 211.42 | 210.73 | 0.53 | ppb |
| Iron | 57-2 | 212.76 | 210.58 | 210.84 | 211.40 | 0.56 | ppb |
| Iron | 54-2 | 210.55 | 216.31 | 213.83 | 213.56 | 1.35 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164349BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD349 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:28:02 | DataFile Name : | 038LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.91 | 0.93 | 0.99 | 0.94 | 4.41 | ppb |
| Lead | 207-1 | 0.85 | 0.95 | 0.89 | 0.90 | 5.20 | ppb |
| Lead | 208-1 | 0.88 | 0.94 | 0.92 | 0.91 | 3.09 | ppb |
| Lithium | 6-1 | | | | 103 | | % |
| Magnesium | 24-2 | 523.96 | 531.19 | 526.70 | 527.29 | 0.69 | ppb |
| Manganese | 55-2 | 1.17 | 1.05 | 1.20 | 1.14 | 7.02 | ppb |
| Molybdenum | 94-1 | 5.26 | 5.31 | 5.20 | 5.26 | 1.10 | ppb |
| Molybdenum | 95-1 | 4.43 | 4.49 | 4.37 | 4.43 | 1.35 | ppb |
| Molybdenum | 96-1 | 4.46 | 4.55 | 4.46 | 4.49 | 1.15 | ppb |
| Molybdenum | 97-1 | 4.41 | 4.42 | 4.42 | 4.42 | 0.02 | ppb |
| Molybdenum | 98-1 | 4.39 | 4.28 | 4.34 | 4.33 | 1.23 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 1.03 | 1.10 | 1.12 | 1.08 | 4.00 | ppb |
| Phosphorus | 31-2 | -21.69 | -19.75 | -16.50 | -19.31 | | ppb |
| Potassium | 39-2 | 514.75 | 519.30 | 518.08 | 517.38 | 0.46 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 101 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 4.77 | 4.71 | 5.40 | 4.96 | 7.66 | ppb |
| Selenium | 77-2 | 4.64 | 3.70 | 4.81 | 4.38 | 13.68 | ppb |
| Selenium | 78-2 | 5.36 | 5.14 | 3.69 | 4.73 | 19.15 | ppb |
| Silicon | 28-1 | 1.14 | 1.43 | 0.96 | 1.18 | 19.91 | ppb |
| Silver | 107-1 | 0.92 | 0.97 | 0.95 | 0.95 | 2.66 | ppb |
| Silver | 109-1 | 0.95 | 0.95 | 1.03 | 0.98 | 4.77 | ppb |
| Sodium | 23-2 | 508.90 | 517.04 | 508.06 | 511.33 | 0.97 | ppb |
| Strontium | 86-1 | 1.16 | 1.04 | 1.05 | 1.08 | 6.03 | ppb |
| Strontium | 88-1 | 1.09 | 1.10 | 1.07 | 1.09 | 1.30 | ppb |
| Sulfur | 34-1 | -130.74 | 54.67 | 34.75 | -13.77 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.84 | 0.82 | 0.85 | 0.84 | 2.24 | ppb |
| Thallium | 205-1 | 0.83 | 0.82 | 0.86 | 0.84 | 2.47 | ppb |
| Tin | 118-1 | 0.14 | 0.05 | 0.12 | 0.10 | 47.00 | ppb |
| Titanium | 47-1 | 4.36 | 4.60 | 4.51 | 4.49 | 2.67 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164349BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD349 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:28:02 | DataFile Name : | 038LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.76 | 0.78 | 0.80 | 0.78 | 2.21 | ppb |
| Vanadium | 51-2 | 4.98 | 5.13 | 4.77 | 4.96 | 3.62 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 4.90 | 5.71 | 5.60 | 5.40 | 8.11 | ppb |
| Zirconium | 90-1 | 1.00 | 0.98 | 0.97 | 0.98 | 1.65 | ppb |
| Zirconium | 91-1 | 0.98 | 1.00 | 0.95 | 0.98 | 2.73 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164427BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS427 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:31:18 | DataFile Name : | 039CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1.09 | 0.78 | 0.77 | 0.88 | 20.65 | ppb |
| Antimony | 121-1 | 0.01 | 0.01 | 0.01 | 0.01 | 7.46 | ppb |
| Arsenic | 75-2 | -0.01 | 0.00 | -0.01 | -0.01 | | ppb |
| Barium | 135-1 | 0.07 | 0.04 | 0.02 | 0.04 | 48.39 | ppb |
| Barium | 137-1 | 0.04 | 0.03 | 0.05 | 0.04 | 24.48 | ppb |
| Beryllium | 9-1 | 0.03 | 0.00 | -0.01 | 0.01 | 376.02 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.14 | -0.03 | -0.14 | -0.10 | | ppb |
| Cadmium | 106-1 | -0.94 | -0.52 | -1.45 | -0.97 | | ppb |
| Cadmium | 111-1 | -0.05 | -0.03 | -0.09 | -0.06 | | ppb |
| Calcium | 43-1 | 0.04 | 4.24 | 3.04 | 2.44 | 88.53 | ppb |
| Calcium | 44-1 | -12.33 | -10.64 | -10.29 | -11.09 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.02 | -0.01 | -0.03 | -0.01 | | ppb |
| Cobalt | 59-2 | 0.00 | 0.00 | -0.01 | 0.00 | | ppb |
| Copper | 63-2 | -0.03 | 0.00 | 0.02 | 0.00 | | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 101 | | % |
| Iron | 56-2 | 1.53 | 1.37 | 1.08 | 1.33 | 17.01 | ppb |
| Iron | 57-2 | -0.44 | 1.35 | 3.23 | 1.38 | 132.71 | ppb |
| Iron | 54-2 | 1.60 | 1.64 | 0.11 | 1.12 | 77.88 | ppb |
| Krypton | 83-1 | | | | | | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164427BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS427 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:31:18 | DataFile Name : | 039CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.05 | 0.04 | 0.05 | 0.05 | 17.29 | ppb |
| Lead | 207-1 | 0.04 | 0.04 | 0.05 | 0.04 | 11.36 | ppb |
| Lead | 208-1 | 0.04 | 0.04 | 0.05 | 0.04 | 8.84 | ppb |
| Lithium | 6-1 | | | | 101 | | % |
| Magnesium | 24-2 | 2.64 | 2.79 | 1.97 | 2.47 | 17.76 | ppb |
| Manganese | 55-2 | 0.10 | 0.08 | 0.05 | 0.07 | 31.85 | ppb |
| Molybdenum | 94-1 | 0.04 | 0.06 | 0.06 | 0.06 | 20.35 | ppb |
| Molybdenum | 95-1 | 0.06 | 0.05 | 0.06 | 0.05 | 12.69 | ppb |
| Molybdenum | 96-1 | 0.05 | 0.07 | 0.04 | 0.05 | 22.89 | ppb |
| Molybdenum | 97-1 | 0.05 | 0.05 | 0.06 | 0.05 | 8.24 | ppb |
| Molybdenum | 98-1 | 0.05 | 0.04 | 0.05 | 0.04 | 6.00 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.01 | 0.00 | -0.02 | -0.01 | | ppb |
| Phosphorus | 31-2 | -20.42 | -15.69 | -24.87 | -20.33 | | ppb |
| Potassium | 39-2 | 2.10 | 1.49 | -2.69 | 0.30 | 868.05 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | -0.28 | -1.30 | -0.30 | -0.63 | | ppb |
| Selenium | 77-2 | -0.01 | -0.37 | -0.37 | -0.25 | | ppb |
| Selenium | 78-2 | 0.54 | 0.69 | 0.28 | 0.50 | 41.89 | ppb |
| Silicon | 28-1 | -2.52 | -2.60 | -2.49 | -2.54 | | ppb |
| Silver | 107-1 | 0.01 | 0.02 | 0.01 | 0.02 | 25.68 | ppb |
| Silver | 109-1 | 0.02 | 0.01 | 0.01 | 0.01 | 35.08 | ppb |
| Sodium | 23-2 | 14.64 | 14.10 | 14.56 | 14.43 | 2.00 | ppb |
| Strontium | 86-1 | 0.06 | 0.13 | 0.07 | 0.09 | 39.91 | ppb |
| Strontium | 88-1 | 0.11 | 0.11 | 0.09 | 0.10 | 7.95 | ppb |
| Sulfur | 34-1 | -175.61 | -95.89 | -144.47 | -138.66 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.01 | 0.01 | 0.02 | 0.01 | 43.48 | ppb |
| Thallium | 205-1 | 0.01 | 0.01 | 0.00 | 0.01 | 51.55 | ppb |
| Tin | 118-1 | 0.08 | 0.08 | 0.07 | 0.08 | 5.87 | ppb |
| Titanium | 47-1 | 0.04 | 0.01 | 0.01 | 0.02 | 88.55 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164427BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS427 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:31:18 | DataFile Name : | 039CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | 47.88 | ppb |
| Vanadium | 51-2 | 0.01 | 0.00 | 0.01 | 0.01 | 59.94 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 0.10 | 0.03 | 0.12 | 0.08 | 57.02 | ppb |
| Zirconium | 90-1 | 0.01 | 0.01 | 0.02 | 0.01 | 58.92 | ppb |
| Zirconium | 91-1 | 0.01 | 0.00 | 0.00 | 0.01 | 105.35 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164427BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS427 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:34:37 | DataFile Name : | 040LCSE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 42.05 | 40.13 | 41.38 | 41.19 | 2.36 | ppb |
| Antimony | 121-1 | 3.84 | 3.93 | 3.92 | 3.89 | 1.26 | ppb |
| Arsenic | 75-2 | 2.03 | 2.12 | 1.93 | 2.03 | 4.69 | ppb |
| Barium | 135-1 | 18.59 | 18.39 | 18.21 | 18.40 | 1.04 | ppb |
| Barium | 137-1 | 17.77 | 19.07 | 18.15 | 18.33 | 3.64 | ppb |
| Beryllium | 9-1 | 1.96 | 2.19 | 2.14 | 2.10 | 5.81 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 3.01 | 2.79 | 2.64 | 2.82 | 6.63 | ppb |
| Cadmium | 106-1 | 1.68 | 0.79 | 0.52 | 1.00 | 60.80 | ppb |
| Cadmium | 111-1 | 2.58 | 2.56 | 2.50 | 2.55 | 1.64 | ppb |
| Calcium | 43-1 | 932.46 | 979.58 | 974.21 | 962.09 | 2.68 | ppb |
| Calcium | 44-1 | 938.12 | 972.19 | 966.18 | 958.83 | 1.90 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 4.33 | 4.53 | 4.39 | 4.41 | 2.30 | ppb |
| Cobalt | 59-2 | 2.03 | 2.01 | 2.02 | 2.02 | 0.44 | ppb |
| Copper | 63-2 | 3.91 | 3.96 | 4.03 | 3.97 | 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 | | | | 101 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 101 | | % |
| Iron | 56-2 | 416.53 | 417.56 | 417.74 | 417.28 | 0.16 | ppb |
| Iron | 57-2 | 420.00 | 408.28 | 411.26 | 413.18 | 1.47 | ppb |
| Iron | 54-2 | 417.47 | 421.38 | 411.92 | 416.92 | 1.14 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:Mohan
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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164427BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS427 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:34:37 | DataFile Name : | 040LCSE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1.81 | 1.79 | 1.76 | 1.79 | 1.38 | ppb |
| Lead | 207-1 | 1.72 | 1.78 | 1.68 | 1.73 | 2.95 | ppb |
| Lead | 208-1 | 1.74 | 1.78 | 1.75 | 1.76 | 1.24 | ppb |
| Lithium | 6-1 | | | | 100 | | % |
| Magnesium | 24-2 | 1041.80 | 1050.90 | 1046.27 | 1046.33 | 0.44 | ppb |
| Manganese | 55-2 | 2.11 | 2.11 | 2.13 | 2.12 | 0.58 | ppb |
| Molybdenum | 94-1 | 10.10 | 10.62 | 10.72 | 10.48 | 3.19 | ppb |
| Molybdenum | 95-1 | 8.49 | 8.86 | 8.81 | 8.72 | 2.30 | ppb |
| Molybdenum | 96-1 | 8.66 | 8.88 | 9.04 | 8.86 | 2.16 | ppb |
| Molybdenum | 97-1 | 8.79 | 8.74 | 8.84 | 8.79 | 0.60 | ppb |
| Molybdenum | 98-1 | 8.49 | 8.95 | 8.64 | 8.69 | 2.71 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 2.17 | 2.18 | 2.34 | 2.23 | 4.19 | ppb |
| Phosphorus | 31-2 | -19.41 | -18.88 | -21.16 | -19.82 | | ppb |
| Potassium | 39-2 | 1020.96 | 1023.68 | 1026.10 | 1023.58 | 0.25 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 101 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 9.69 | 10.03 | 10.31 | 10.01 | 3.09 | ppb |
| Selenium | 77-2 | 15.01 | 11.67 | 8.09 | 11.59 | 29.89 | ppb |
| Selenium | 78-2 | 9.89 | 12.19 | 9.49 | 10.52 | 13.86 | ppb |
| Silicon | 28-1 | 4.54 | 5.75 | 5.18 | 5.16 | 11.67 | ppb |
| Silver | 107-1 | 1.84 | 1.93 | 1.95 | 1.90 | 3.05 | ppb |
| Silver | 109-1 | 1.89 | 1.97 | 1.89 | 1.92 | 2.33 | ppb |
| Sodium | 23-2 | 1003.19 | 1005.79 | 1005.00 | 1004.66 | 0.13 | ppb |
| Strontium | 86-1 | 1.79 | 2.15 | 2.01 | 1.98 | 9.10 | ppb |
| Strontium | 88-1 | 2.02 | 2.10 | 2.08 | 2.07 | 2.12 | ppb |
| Sulfur | 34-1 | -140.11 | 131.00 | 95.32 | 28.74 | 512.60 | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 1.69 | 1.74 | 1.64 | 1.69 | 2.95 | ppb |
| Thallium | 205-1 | 1.65 | 1.67 | 1.71 | 1.68 | 1.92 | ppb |
| Tin | 118-1 | 0.11 | 0.11 | 0.08 | 0.10 | 15.88 | ppb |
| Titanium | 47-1 | 9.00 | 9.13 | 8.90 | 9.01 | 1.32 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164427BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS427 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:34:37 | DataFile Name : | 040LCSE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.60 | 1.60 | 1.59 | 1.60 | 0.32 | ppb |
| Vanadium | 51-2 | 9.86 | 9.67 | 10.03 | 9.85 | 1.82 | ppb |
| Yttrium | 89-1 | | | | 99 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 10.15 | 10.32 | 10.67 | 10.38 | 2.57 | ppb |
| Zirconium | 90-1 | 1.92 | 2.08 | 1.95 | 1.98 | 4.32 | ppb |
| Zirconium | 91-1 | 1.89 | 1.94 | 2.05 | 1.96 | 4.25 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164427BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD427 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:37:54 | DataFile Name : | 041LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 20.48 | 21.40 | 20.81 | 20.90 | 2.23 | ppb |
| Antimony | 121-1 | 1.97 | 1.92 | 1.97 | 1.95 | 1.58 | ppb |
| Arsenic | 75-2 | 1.02 | 0.91 | 1.03 | 0.98 | 6.71 | ppb |
| Barium | 135-1 | 8.94 | 9.11 | 9.44 | 9.16 | 2.77 | ppb |
| Barium | 137-1 | 9.10 | 9.12 | 9.33 | 9.18 | 1.43 | ppb |
| Beryllium | 9-1 | 1.19 | 1.31 | 1.01 | 1.17 | 13.21 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.03 | 1.25 | 0.91 | 1.06 | 16.28 | ppb |
| Cadmium | 106-1 | 1.15 | 0.17 | 1.31 | 0.88 | 70.16 | ppb |
| Cadmium | 111-1 | 1.24 | 1.22 | 1.37 | 1.28 | 6.42 | ppb |
| Calcium | 43-1 | 460.57 | 476.91 | 484.19 | 473.89 | 2.55 | ppb |
| Calcium | 44-1 | 465.61 | 473.51 | 483.24 | 474.12 | 1.86 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 2.12 | 2.27 | 2.25 | 2.21 | 3.71 | ppb |
| Cobalt | 59-2 | 0.97 | 1.01 | 1.01 | 1.00 | 2.18 | ppb |
| Copper | 63-2 | 1.95 | 2.01 | 1.99 | 1.98 | 1.68 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 210.14 | 212.06 | 209.28 | 210.49 | 0.68 | ppb |
| Iron | 57-2 | 207.98 | 209.06 | 206.35 | 207.80 | 0.66 | ppb |
| Iron | 54-2 | 216.54 | 212.00 | 206.33 | 211.62 | 2.42 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164427BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD427 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:37:54 | DataFile Name : | 041LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.96 | 0.89 | 0.90 | 0.91 | 3.85 | ppb |
| Lead | 207-1 | 0.89 | 0.86 | 0.91 | 0.89 | 2.85 | ppb |
| Lead | 208-1 | 0.89 | 0.89 | 0.91 | 0.90 | 1.07 | ppb |
| Lithium | 6-1 | | | | 101 | | % |
| Magnesium | 24-2 | 529.87 | 525.02 | 524.08 | 526.32 | 0.59 | ppb |
| Manganese | 55-2 | 1.09 | 1.29 | 1.21 | 1.20 | 8.49 | ppb |
| Molybdenum | 94-1 | 5.11 | 5.22 | 5.38 | 5.24 | 2.64 | ppb |
| Molybdenum | 95-1 | 4.21 | 4.36 | 4.64 | 4.40 | 4.96 | ppb |
| Molybdenum | 96-1 | 4.38 | 4.43 | 4.46 | 4.42 | 0.93 | ppb |
| Molybdenum | 97-1 | 4.33 | 4.44 | 4.43 | 4.40 | 1.40 | ppb |
| Molybdenum | 98-1 | 4.39 | 4.37 | 4.42 | 4.39 | 0.48 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 1.06 | 1.10 | 1.20 | 1.12 | 6.35 | ppb |
| Phosphorus | 31-2 | -14.10 | -15.96 | -18.44 | -16.16 | | ppb |
| Potassium | 39-2 | 516.77 | 522.73 | 515.01 | 518.17 | 0.78 | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 101 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 4.85 | 5.70 | 5.98 | 5.51 | 10.69 | ppb |
| Selenium | 77-2 | 6.00 | 4.68 | 7.20 | 5.96 | 21.13 | ppb |
| Selenium | 78-2 | 2.29 | 3.21 | 3.42 | 2.97 | 20.28 | ppb |
| Silicon | 28-1 | 1.52 | 0.68 | 1.87 | 1.35 | 45.25 | ppb |
| Silver | 107-1 | 0.93 | 0.92 | 1.04 | 0.96 | 6.78 | ppb |
| Silver | 109-1 | 0.92 | 0.94 | 0.97 | 0.94 | 2.81 | ppb |
| Sodium | 23-2 | 502.59 | 512.69 | 506.49 | 507.26 | 1.00 | ppb |
| Strontium | 86-1 | 1.08 | 0.96 | 1.06 | 1.03 | 6.05 | ppb |
| Strontium | 88-1 | 1.08 | 1.08 | 1.12 | 1.10 | 2.25 | ppb |
| Sulfur | 34-1 | -68.88 | -21.84 | 138.02 | 15.77 | 687.86 | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.85 | 0.83 | 0.90 | 0.86 | 4.26 | ppb |
| Thallium | 205-1 | 0.88 | 0.84 | 0.86 | 0.86 | 1.96 | ppb |
| Tin | 118-1 | 0.12 | 0.11 | 0.08 | 0.10 | 21.03 | ppb |
| Titanium | 47-1 | 4.25 | 4.46 | 4.45 | 4.39 | 2.77 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164427BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD427 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:37:54 | DataFile Name : | 041LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.82 | 0.81 | 0.80 | 0.81 | 1.06 | ppb |
| Vanadium | 51-2 | 4.88 | 5.11 | 4.75 | 4.91 | 3.77 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | 5.53 | 5.51 | 5.45 | 5.49 | 0.69 | ppb |
| Zirconium | 90-1 | 0.94 | 0.95 | 1.00 | 0.96 | 3.53 | ppb |
| Zirconium | 91-1 | 0.98 | 0.96 | 0.99 | 0.98 | 1.30 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164345BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS345 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:41:13 | DataFile Name : | 042LCSE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 38.85 | 39.26 | 40.53 | 39.55 | 2.21 | ppb |
| Antimony | 121-1 | 3.81 | 3.82 | 3.83 | 3.82 | 0.33 | ppb |
| Arsenic | 75-2 | 2.06 | 1.76 | 2.03 | 1.95 | 8.40 | ppb |
| Barium | 135-1 | 17.37 | 17.29 | 18.25 | 17.64 | 3.03 | ppb |
| Barium | 137-1 | 17.54 | 17.91 | 17.83 | 17.76 | 1.10 | ppb |
| Beryllium | 9-1 | 2.27 | 2.06 | 2.13 | 2.15 | 5.04 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.78 | 2.00 | 1.93 | 1.90 | 5.72 | ppb |
| Cadmium | 106-1 | 1.65 | 0.63 | 1.42 | 1.23 | 43.67 | ppb |
| Cadmium | 111-1 | 2.08 | 2.10 | 2.17 | 2.12 | 2.40 | ppb |
| Calcium | 43-1 | 924.61 | 928.49 | 908.46 | 920.52 | 1.15 | ppb |
| Calcium | 44-1 | 924.96 | 942.76 | 936.18 | 934.64 | 0.96 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 4.12 | 4.18 | 4.25 | 4.18 | 1.52 | ppb |
| Cobalt | 59-2 | 1.95 | 1.97 | 1.91 | 1.94 | 1.44 | ppb |
| Copper | 63-2 | 3.85 | 3.92 | 3.97 | 3.92 | 1.55 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 103 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 409.39 | 413.47 | 411.10 | 411.32 | 0.50 | ppb |
| Iron | 57-2 | 404.08 | 412.68 | 406.49 | 407.75 | 1.09 | ppb |
| Iron | 54-2 | 420.88 | 414.12 | 411.86 | 415.62 | 1.13 | ppb |
| Krypton | 83-1 | | | | | | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164345BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS345 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:41:13 | DataFile Name : | 042LCSE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1.68 | 1.67 | 1.68 | 1.68 | 0.42 | ppb |
| Lead | 207-1 | 1.72 | 1.73 | 1.78 | 1.74 | 2.03 | ppb |
| Lead | 208-1 | 1.71 | 1.71 | 1.73 | 1.71 | 0.79 | ppb |
| Lithium | 6-1 | | | | 101 | | % |
| Magnesium | 24-2 | 1017.11 | 1037.55 | 1022.15 | 1025.60 | 1.04 | ppb |
| Manganese | 55-2 | 2.25 | 2.31 | 2.13 | 2.23 | 3.94 | ppb |
| Molybdenum | 94-1 | 10.19 | 10.28 | 10.14 | 10.20 | 0.70 | ppb |
| Molybdenum | 95-1 | 8.44 | 8.53 | 8.54 | 8.50 | 0.64 | ppb |
| Molybdenum | 96-1 | 8.56 | 8.79 | 8.70 | 8.68 | 1.36 | ppb |
| Molybdenum | 97-1 | 8.28 | 8.79 | 8.56 | 8.54 | 2.98 | ppb |
| Molybdenum | 98-1 | 8.42 | 8.64 | 8.54 | 8.53 | 1.30 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 2.01 | 2.08 | 2.24 | 2.11 | 5.51 | ppb |
| Phosphorus | 31-2 | -20.95 | -19.11 | -21.64 | -20.57 | | ppb |
| Potassium | 39-2 | 1017.40 | 1008.64 | 1011.35 | 1012.46 | 0.44 | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 10.98 | 11.28 | 11.02 | 11.09 | 1.46 | ppb |
| Selenium | 77-2 | 9.46 | 10.18 | 7.26 | 8.97 | 16.98 | ppb |
| Selenium | 78-2 | 8.08 | 10.70 | 6.16 | 8.31 | 27.39 | ppb |
| Silicon | 28-1 | 3.93 | 4.66 | 4.38 | 4.33 | 8.45 | ppb |
| Silver | 107-1 | 1.82 | 1.80 | 1.86 | 1.83 | 1.68 | ppb |
| Silver | 109-1 | 1.80 | 1.88 | 1.91 | 1.86 | 2.85 | ppb |
| Sodium | 23-2 | 984.91 | 994.83 | 985.46 | 988.40 | 0.56 | ppb |
| Strontium | 86-1 | 1.98 | 2.06 | 1.98 | 2.01 | 2.26 | ppb |
| Strontium | 88-1 | 2.00 | 2.06 | 2.04 | 2.03 | 1.27 | ppb |
| Sulfur | 34-1 | -114.19 | -27.52 | -31.69 | -57.80 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 1.63 | 1.65 | 1.65 | 1.64 | 0.50 | ppb |
| Thallium | 205-1 | 1.68 | 1.63 | 1.64 | 1.65 | 1.75 | ppb |
| Tin | 118-1 | 0.08 | 0.15 | 0.10 | 0.11 | 31.50 | ppb |
| Titanium | 47-1 | 8.65 | 8.85 | 8.51 | 8.67 | 2.00 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164345BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS345 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:41:13 | DataFile Name : | 042LCSE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.57 | 1.57 | 1.55 | 1.56 | 0.85 | ppb |
| Vanadium | 51-2 | 9.67 | 9.92 | 9.62 | 9.74 | 1.65 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 10.11 | 9.54 | 10.24 | 9.96 | 3.76 | ppb |
| Zirconium | 90-1 | 1.87 | 1.92 | 1.92 | 1.90 | 1.57 | ppb |
| Zirconium | 91-1 | 1.92 | 1.88 | 1.83 | 1.87 | 2.54 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:44:30 | DataFile Name : | 043SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 40048.29 | 39442.24 | 39448.35 | 39646.30 | 0.88 | ppb |
| Antimony | 121-1 | 3.07 | 3.00 | 3.13 | 3.07 | 2.19 | ppb |
| Arsenic | 75-2 | 224.55 | 226.76 | 222.35 | 224.55 | 0.98 | ppb |
| Barium | 135-1 | 558.35 | 552.76 | 561.32 | 557.48 | 0.78 | ppb |
| Barium | 137-1 | 555.77 | 548.85 | 555.48 | 553.37 | 0.71 | ppb |
| Beryllium | 9-1 | 1.57 | 1.73 | 1.58 | 1.63 | 5.65 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 3.34 | 3.08 | 2.66 | 3.03 | 11.24 | ppb |
| Cadmium | 106-1 | 5.52 | 4.09 | 2.66 | 4.09 | 34.96 | ppb |
| Cadmium | 111-1 | 2.59 | 2.61 | 2.57 | 2.59 | 0.87 | ppb |
| Calcium | 43-1 | 12636.91 | 13213.12 | 13232.62 | 13027.55 | 2.60 | ppb |
| Calcium | 44-1 | 12237.93 | 12713.87 | 12832.03 | 12594.61 | 2.50 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 90.32 | 89.64 | 89.40 | 89.79 | 0.53 | ppb |
| Cobalt | 59-2 | 48.09 | 47.86 | 47.43 | 47.79 | 0.71 | ppb |
| Copper | 63-2 | 324.89 | 324.22 | 323.33 | 324.15 | 0.24 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 100 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 91397.96 | 91545.42 | 90299.95 | 91081.11 | 0.75 | ppb |
| Iron | 57-2 | 90413.35 | 89873.80 | 90063.42 | 90116.86 | 0.30 | ppb |
| Iron | 54-2 | 91570.58 | 91386.52 | 91006.85 | 91321.32 | 0.31 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:44:30 | DataFile Name : | 043SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 86.76 | 86.11 | 88.42 | 87.10 | 1.37 | ppb |
| Lead | 207-1 | 83.88 | 84.80 | 86.66 | 85.11 | 1.66 | ppb |
| Lead | 208-1 | 84.50 | 85.08 | 87.21 | 85.59 | 1.67 | ppb |
| Lithium | 6-1 | | | | 100 | | % |
| Magnesium | 24-2 | 18803.78 | 18366.52 | 18400.36 | 18523.55 | 1.31 | ppb |
| Manganese | 55-2 | 3220.32 | 3241.12 | 3197.88 | 3219.77 | 0.67 | ppb |
| Molybdenum | 94-1 | 21.87 | 22.19 | 22.84 | 22.30 | 2.20 | ppb |
| Molybdenum | 95-1 | 1.92 | 1.87 | 1.99 | 1.93 | 3.26 | ppb |
| Molybdenum | 96-1 | 4.59 | 4.62 | 4.74 | 4.65 | 1.68 | ppb |
| Molybdenum | 97-1 | 2.01 | 1.90 | 1.91 | 1.94 | 3.08 | ppb |
| Molybdenum | 98-1 | 1.85 | 1.87 | 1.95 | 1.89 | 2.68 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 82.80 | 83.43 | 83.73 | 83.32 | 0.57 | ppb |
| Phosphorus | 31-2 | 3328.66 | 3261.58 | 3364.33 | 3318.19 | 1.57 | ppb |
| Potassium | 39-2 | 13041.67 | 12893.87 | 12900.98 | 12945.50 | 0.64 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 104 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 1.97 | 2.63 | 1.53 | 2.04 | 27.24 | ppb |
| Selenium | 77-2 | 16.62 | 14.16 | 17.67 | 16.15 | 11.16 | ppb |
| Selenium | 78-2 | 4.10 | 3.26 | 2.81 | 3.39 | 19.27 | ppb |
| Silicon | 28-1 | 1847.81 | 1948.05 | 1916.97 | 1904.27 | 2.69 | ppb |
| Silver | 107-1 | 1.04 | 0.96 | 0.93 | 0.98 | 5.96 | ppb |
| Silver | 109-1 | 1.00 | 0.96 | 0.94 | 0.97 | 3.22 | ppb |
| Sodium | 23-2 | 249.85 | 250.42 | 251.44 | 250.57 | 0.32 | ppb |
| Strontium | 86-1 | 107.19 | 107.60 | 110.02 | 108.27 | 1.41 | ppb |
| Strontium | 88-1 | 112.04 | 113.20 | 114.42 | 113.22 | 1.05 | ppb |
| Sulfur | 34-1 | -723.72 | -766.77 | -1177.06 | -889.19 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.36 | 0.38 | 0.40 | 0.38 | 5.08 | ppb |
| Thallium | 205-1 | 0.37 | 0.36 | 0.41 | 0.38 | 7.31 | ppb |
| Tin | 118-1 | 2.23 | 2.28 | 2.34 | 2.28 | 2.49 | ppb |
| Titanium | 47-1 | 905.39 | 948.94 | 940.31 | 931.55 | 2.48 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:44:30 | DataFile Name : | 043SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.33 | 1.32 | 1.36 | 1.34 | 1.46 | ppb |
| Vanadium | 51-2 | 162.79 | 162.42 | 162.40 | 162.53 | 0.14 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 322.67 | 323.39 | 326.90 | 324.32 | 0.70 | ppb |
| Zirconium | 90-1 | 12.37 | 12.34 | 12.49 | 12.40 | 0.63 | ppb |
| Zirconium | 91-1 | 12.33 | 12.64 | 12.78 | 12.58 | 1.84 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-05 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453D | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:47:40 | DataFile Name : | 044SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 39925.27 | 40333.32 | 40257.53 | 40172.04 | 0.54 | ppb |
| Antimony | 121-1 | 3.07 | 3.07 | 3.47 | 3.20 | 7.27 | ppb |
| Arsenic | 75-2 | 204.68 | 209.64 | 203.96 | 206.09 | 1.50 | ppb |
| Barium | 135-1 | 530.04 | 523.93 | 589.88 | 547.95 | 6.65 | ppb |
| Barium | 137-1 | 524.75 | 521.70 | 583.16 | 543.20 | 6.38 | ppb |
| Beryllium | 9-1 | 1.54 | 1.54 | 1.69 | 1.59 | 5.36 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.98 | 2.95 | 3.15 | 3.03 | 3.43 | ppb |
| Cadmium | 106-1 | 3.42 | 2.03 | 3.24 | 2.90 | 26.20 | ppb |
| Cadmium | 111-1 | 2.48 | 2.23 | 2.82 | 2.51 | 11.68 | ppb |
| Calcium | 43-1 | 12857.22 | 13049.26 | 14303.21 | 13403.23 | 5.86 | ppb |
| Calcium | 44-1 | 12314.96 | 12613.66 | 13771.81 | 12900.14 | 5.97 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 91.57 | 91.74 | 92.52 | 91.94 | 0.55 | ppb |
| Cobalt | 59-2 | 47.09 | 47.44 | 47.79 | 47.44 | 0.74 | ppb |
| Copper | 63-2 | 323.75 | 326.84 | 327.50 | 326.03 | 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 | | | | 100 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 96 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 91474.14 | 92220.28 | 91994.55 | 91896.32 | 0.42 | ppb |
| Iron | 57-2 | 89640.09 | 91231.12 | 90932.96 | 90601.39 | 0.93 | ppb |
| Iron | 54-2 | 91628.14 | 92388.00 | 91613.49 | 91876.54 | 0.48 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-05 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453D | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:47:40 | DataFile Name : | 044SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 85.48 | 87.40 | 96.61 | 89.83 | 6.62 | ppb |
| Lead | 207-1 | 83.05 | 85.19 | 94.68 | 87.64 | 7.06 | ppb |
| Lead | 208-1 | 83.51 | 85.78 | 94.56 | 87.95 | 6.64 | ppb |
| Lithium | 6-1 | | | | 104 | | % |
| Magnesium | 24-2 | 18458.65 | 18733.24 | 18705.47 | 18632.45 | 0.81 | ppb |
| Manganese | 55-2 | 2973.79 | 3009.29 | 2997.44 | 2993.51 | 0.60 | ppb |
| Molybdenum | 94-1 | 22.11 | 22.26 | 23.66 | 22.68 | 3.75 | ppb |
| Molybdenum | 95-1 | 1.91 | 1.96 | 2.10 | 1.99 | 4.96 | ppb |
| Molybdenum | 96-1 | 4.47 | 4.74 | 4.92 | 4.71 | 4.73 | ppb |
| Molybdenum | 97-1 | 1.88 | 1.99 | 2.14 | 2.00 | 6.45 | ppb |
| Molybdenum | 98-1 | 1.88 | 1.89 | 2.16 | 1.97 | 8.06 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 83.44 | 85.27 | 84.47 | 84.39 | 1.09 | ppb |
| Phosphorus | 31-2 | 3332.31 | 3312.01 | 3254.38 | 3299.57 | 1.23 | ppb |
| Potassium | 39-2 | 13060.80 | 13203.43 | 13110.76 | 13125.00 | 0.55 | ppb |
| Rhodium | 103-1 | | | | 93 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 2.86 | 1.35 | 2.36 | 2.19 | 35.29 | ppb |
| Selenium | 77-2 | 13.25 | 15.99 | 15.53 | 14.92 | 9.86 | ppb |
| Selenium | 78-2 | 5.15 | 2.35 | 4.82 | 4.11 | 37.21 | ppb |
| Silicon | 28-1 | 1836.21 | 1822.89 | 2000.70 | 1886.60 | 5.25 | ppb |
| Silver | 107-1 | 0.89 | 0.89 | 1.00 | 0.92 | 6.76 | ppb |
| Silver | 109-1 | 0.89 | 0.90 | 1.03 | 0.94 | 8.32 | ppb |
| Sodium | 23-2 | 248.12 | 255.75 | 257.57 | 253.82 | 1.97 | ppb |
| Strontium | 86-1 | 108.03 | 108.71 | 116.83 | 111.19 | 4.40 | ppb |
| Strontium | 88-1 | 111.79 | 112.95 | 121.87 | 115.54 | 4.77 | ppb |
| Sulfur | 34-1 | -1510.12 | -1559.51 | -1212.06 | -1427.23 | | ppb |
| Terbium | 159-1 | | | | 99 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.37 | 0.38 | 0.41 | 0.39 | 4.94 | ppb |
| Thallium | 205-1 | 0.37 | 0.39 | 0.41 | 0.39 | 5.62 | ppb |
| Tin | 118-1 | 1.92 | 1.86 | 2.16 | 1.98 | 7.86 | ppb |
| Titanium | 47-1 | 933.75 | 946.11 | 1034.26 | 971.37 | 5.64 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-05 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453D | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:47:40 | DataFile Name : | 044SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.30 | 1.36 | 1.45 | 1.37 | 5.61 | ppb |
| Vanadium | 51-2 | 164.04 | 164.66 | 163.96 | 164.22 | 0.24 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 315.77 | 316.73 | 318.09 | 316.86 | 0.37 | ppb |
| Zirconium | 90-1 | 12.46 | 12.45 | 13.57 | 12.82 | 5.03 | ppb |
| Zirconium | 91-1 | 12.43 | 12.71 | 13.49 | 12.88 | 4.24 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453L | Dilution Factor : | 5 |
| Date & Time Acquired : | 2024-10-30 14:50:49 | DataFile Name : | 045SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 7629.11 | 7613.85 | 8347.26 | 7863.41 | 5.33 | ppb |
| Antimony | 121-1 | 0.58 | 0.55 | 0.54 | 0.56 | 3.43 | ppb |
| Arsenic | 75-2 | 43.45 | 42.00 | 44.19 | 43.21 | 2.58 | ppb |
| Barium | 135-1 | 99.03 | 101.73 | 101.48 | 100.75 | 1.48 | ppb |
| Barium | 137-1 | 99.21 | 98.99 | 100.36 | 99.52 | 0.74 | ppb |
| Beryllium | 9-1 | 0.31 | 0.27 | 0.31 | 0.30 | 8.43 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 103 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.66 | 0.43 | 0.47 | 0.52 | 23.77 | ppb |
| Cadmium | 106-1 | -0.96 | -0.90 | -0.52 | -0.79 | | ppb |
| Cadmium | 111-1 | 0.28 | 0.39 | 0.43 | 0.37 | 21.98 | ppb |
| Calcium | 43-1 | 2464.31 | 2514.80 | 2518.85 | 2499.32 | 1.22 | ppb |
| Calcium | 44-1 | 2466.56 | 2499.73 | 2570.54 | 2512.28 | 2.11 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 17.07 | 16.96 | 19.01 | 17.68 | 6.51 | ppb |
| Cobalt | 59-2 | 9.16 | 9.20 | 9.89 | 9.42 | 4.36 | ppb |
| Copper | 63-2 | 62.68 | 62.59 | 69.49 | 64.92 | 6.10 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 17510.42 | 17612.33 | 19090.19 | 18070.98 | 4.89 | ppb |
| Iron | 57-2 | 17643.58 | 17659.47 | 19384.44 | 18229.16 | 5.49 | ppb |
| Iron | 54-2 | 17615.26 | 17614.05 | 19154.66 | 18127.99 | 4.90 | ppb |
| Krypton | 83-1 | | | | | | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453L | Dilution Factor : | 5 |
| Date & Time Acquired : | 2024-10-30 14:50:49 | DataFile Name : | 045SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 15.78 | 16.13 | 16.25 | 16.05 | 1.51 | ppb |
| Lead | 207-1 | 15.29 | 15.50 | 15.81 | 15.53 | 1.67 | ppb |
| Lead | 208-1 | 15.39 | 15.63 | 15.97 | 15.67 | 1.87 | ppb |
| Lithium | 6-1 | | | | 105 | | % |
| Magnesium | 24-2 | 3576.24 | 3578.91 | 3916.35 | 3690.50 | 5.30 | ppb |
| Manganese | 55-2 | 617.09 | 616.60 | 673.99 | 635.89 | 5.19 | ppb |
| Molybdenum | 94-1 | 4.02 | 4.17 | 4.19 | 4.13 | 2.23 | ppb |
| Molybdenum | 95-1 | 0.39 | 0.41 | 0.40 | 0.40 | 2.44 | ppb |
| Molybdenum | 96-1 | 0.85 | 0.93 | 0.89 | 0.89 | 4.95 | ppb |
| Molybdenum | 97-1 | 0.40 | 0.33 | 0.41 | 0.38 | 11.97 | ppb |
| Molybdenum | 98-1 | 0.39 | 0.37 | 0.42 | 0.39 | 6.77 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 15.79 | 16.13 | 17.55 | 16.49 | 5.67 | ppb |
| Phosphorus | 31-2 | 585.52 | 607.88 | 703.54 | 632.31 | 9.91 | ppb |
| Potassium | 39-2 | 2600.64 | 2598.25 | 2875.40 | 2691.43 | 5.92 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 97 | | % |
| Scandium | 45-2 | | | | 93 | | % |
| Selenium | 82-1 | 0.59 | 0.48 | 0.51 | 0.53 | 10.00 | ppb |
| Selenium | 77-2 | 1.49 | 2.95 | 3.24 | 2.56 | 36.52 | ppb |
| Selenium | 78-2 | 1.68 | 0.44 | 1.99 | 1.37 | 59.71 | ppb |
| Silicon | 28-1 | 360.58 | 364.73 | 373.50 | 366.27 | 1.80 | ppb |
| Silver | 107-1 | 0.16 | 0.17 | 0.16 | 0.16 | 4.30 | ppb |
| Silver | 109-1 | 0.17 | 0.17 | 0.16 | 0.17 | 3.07 | ppb |
| Sodium | 23-2 | 63.87 | 61.99 | 74.84 | 66.90 | 10.37 | ppb |
| Strontium | 86-1 | 20.54 | 20.95 | 20.78 | 20.76 | 1.01 | ppb |
| Strontium | 88-1 | 20.52 | 20.79 | 21.11 | 20.81 | 1.41 | ppb |
| Sulfur | 34-1 | -1981.87 | -2051.05 | -1954.45 | -1995.79 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | 0.07 | 0.08 | 0.07 | 0.07 | 10.35 | ppb |
| Thallium | 205-1 | 0.08 | 0.08 | 0.08 | 0.08 | 1.79 | ppb |
| Tin | 118-1 | 0.48 | 0.44 | 0.40 | 0.44 | 9.81 | ppb |
| Titanium | 47-1 | 172.99 | 174.65 | 178.10 | 175.25 | 1.49 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453L | Dilution Factor : | 5 |
| Date & Time Acquired : | 2024-10-30 14:50:49 | DataFile Name : | 045SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.24 | 0.24 | 0.25 | 0.24 | 3.43 | ppb |
| Vanadium | 51-2 | 30.86 | 30.99 | 33.85 | 31.90 | 5.30 | ppb |
| Yttrium | 89-1 | | | | 98 | | % |
| Yttrium | 89-2 | | | | 97 | | % |
| Zinc | 66-2 | 65.16 | 65.20 | 70.38 | 66.92 | 4.48 | ppb |
| Zirconium | 90-1 | 2.23 | 2.31 | 2.34 | 2.29 | 2.43 | ppb |
| Zirconium | 91-1 | 2.27 | 2.26 | 2.35 | 2.29 | 2.00 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-06 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453S | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:54:06 | DataFile Name : | 046SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 40561.04 | 40125.86 | 40600.97 | 40429.29 | 0.65 | ppb |
| Antimony | 121-1 | 71.06 | 73.61 | 72.98 | 72.55 | 1.83 | ppb |
| Arsenic | 75-2 | 245.25 | 247.17 | 243.46 | 245.29 | 0.76 | ppb |
| Barium | 135-1 | 2051.36 | 2113.80 | 2157.76 | 2107.64 | 2.54 | ppb |
| Barium | 137-1 | 2038.75 | 2123.94 | 2096.40 | 2086.37 | 2.08 | ppb |
| Beryllium | 9-1 | 39.84 | 40.42 | 41.28 | 40.51 | 1.79 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 34.11 | 36.94 | 36.91 | 35.98 | 4.52 | ppb |
| Cadmium | 106-1 | 34.98 | 36.37 | 35.24 | 35.53 | 2.07 | ppb |
| Cadmium | 111-1 | 38.30 | 38.81 | 39.02 | 38.71 | 0.95 | ppb |
| Calcium | 43-1 | 12262.52 | 12477.55 | 12998.10 | 12579.39 | 3.01 | ppb |
| Calcium | 44-1 | 11610.69 | 12353.36 | 12382.82 | 12115.62 | 3.61 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 240.54 | 237.51 | 237.43 | 238.49 | 0.74 | ppb |
| Cobalt | 59-2 | 423.57 | 417.54 | 420.51 | 420.54 | 0.72 | ppb |
| Copper | 63-2 | 495.80 | 494.63 | 496.55 | 495.66 | 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 | | | | 105 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 93165.07 | 92940.65 | 92945.27 | 93016.99 | 0.14 | ppb |
| Iron | 57-2 | 90019.06 | 90014.77 | 90206.55 | 90080.13 | 0.12 | ppb |
| Iron | 54-2 | 92090.82 | 91496.00 | 91470.91 | 91685.91 | 0.38 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-06 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453S | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:54:06 | DataFile Name : | 046SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 96.25 | 100.76 | 103.34 | 100.12 | 3.59 | ppb |
| Lead | 207-1 | 93.16 | 98.35 | 99.35 | 96.95 | 3.43 | ppb |
| Lead | 208-1 | 94.32 | 99.00 | 100.43 | 97.92 | 3.26 | ppb |
| Lithium | 6-1 | | | | 106 | | % |
| Magnesium | 24-2 | 18347.15 | 18135.92 | 17942.60 | 18141.89 | 1.12 | ppb |
| Manganese | 55-2 | 3542.30 | 3530.07 | 3535.00 | 3535.79 | 0.17 | ppb |
| Molybdenum | 94-1 | 20.82 | 22.18 | 21.90 | 21.63 | 3.30 | ppb |
| Molybdenum | 95-1 | 1.85 | 1.94 | 1.94 | 1.91 | 2.89 | ppb |
| Molybdenum | 96-1 | 4.21 | 4.51 | 4.54 | 4.42 | 4.16 | ppb |
| Molybdenum | 97-1 | 1.80 | 1.86 | 1.94 | 1.86 | 3.81 | ppb |
| Molybdenum | 98-1 | 1.76 | 1.87 | 1.89 | 1.84 | 3.97 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 459.02 | 458.39 | 458.22 | 458.55 | 0.09 | ppb |
| Phosphorus | 31-2 | 3296.10 | 3319.65 | 3250.26 | 3288.67 | 1.07 | ppb |
| Potassium | 39-2 | 12825.32 | 12879.67 | 12743.27 | 12816.09 | 0.54 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 105 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 70.93 | 75.85 | 78.64 | 75.14 | 5.19 | ppb |
| Selenium | 77-2 | 104.87 | 82.31 | 89.25 | 92.14 | 12.54 | ppb |
| Selenium | 78-2 | 73.39 | 76.80 | 74.83 | 75.01 | 2.28 | ppb |
| Silicon | 28-1 | 1787.33 | 1827.37 | 1879.58 | 1831.43 | 2.53 | ppb |
| Silver | 107-1 | 31.69 | 32.88 | 32.68 | 32.41 | 1.97 | ppb |
| Silver | 109-1 | 31.77 | 32.74 | 32.56 | 32.36 | 1.60 | ppb |
| Sodium | 23-2 | 252.29 | 252.23 | 251.18 | 251.90 | 0.25 | ppb |
| Strontium | 86-1 | 101.41 | 108.39 | 109.00 | 106.27 | 3.97 | ppb |
| Strontium | 88-1 | 106.19 | 114.50 | 112.80 | 111.16 | 3.95 | ppb |
| Sulfur | 34-1 | -1969.59 | -2067.57 | -1899.70 | -1978.95 | | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 30.12 | 32.10 | 32.09 | 31.44 | 3.62 | ppb |
| Thallium | 205-1 | 30.27 | 31.97 | 32.42 | 31.55 | 3.60 | ppb |
| Tin | 118-1 | 1.83 | 1.94 | 1.80 | 1.86 | 4.03 | ppb |
| Titanium | 47-1 | 871.73 | 906.90 | 930.97 | 903.20 | 3.30 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-06 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453S | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:54:06 | DataFile Name : | 046SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.31 | 1.35 | 1.37 | 1.35 | 2.39 | ppb |
| Vanadium | 51-2 | 525.59 | 522.50 | 530.93 | 526.34 | 0.81 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | 666.82 | 668.97 | 666.97 | 667.58 | 0.18 | ppb |
| Zirconium | 90-1 | 11.55 | 12.40 | 12.30 | 12.08 | 3.84 | ppb |
| Zirconium | 91-1 | 11.66 | 12.15 | 12.56 | 12.12 | 3.75 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04MS | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453SRE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:57:10 | DataFile Name : | 047SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 43584.12 | 43850.24 | 44090.92 | 43841.76 | 0.58 | ppb |
| Antimony | 121-1 | 304.86 | 308.73 | 315.31 | 309.63 | 1.71 | ppb |
| Arsenic | 75-2 | 332.15 | 326.63 | 324.71 | 327.83 | 1.18 | ppb |
| Barium | 135-1 | 6356.95 | 6427.39 | 6568.19 | 6450.84 | 1.67 | ppb |
| Barium | 137-1 | 6346.83 | 6349.66 | 6541.68 | 6412.72 | 1.74 | ppb |
| Beryllium | 9-1 | 153.13 | 149.37 | 154.40 | 152.30 | 1.72 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 140.92 | 139.16 | 148.03 | 142.70 | 3.29 | ppb |
| Cadmium | 106-1 | 136.76 | 139.97 | 142.48 | 139.74 | 2.05 | ppb |
| Cadmium | 111-1 | 152.36 | 153.96 | 157.30 | 154.54 | 1.63 | ppb |
| Calcium | 43-1 | 12368.06 | 12769.75 | 12683.91 | 12607.24 | 1.68 | ppb |
| Calcium | 44-1 | 11751.83 | 12025.22 | 12323.87 | 12033.64 | 2.38 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 653.73 | 670.37 | 675.56 | 666.55 | 1.71 | ppb |
| Cobalt | 59-2 | 1485.16 | 1492.50 | 1494.06 | 1490.57 | 0.32 | ppb |
| Copper | 63-2 | 1000.30 | 1015.62 | 1015.71 | 1010.54 | 0.88 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 104 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 92107.11 | 93239.34 | 93272.23 | 92872.89 | 0.71 | ppb |
| Iron | 57-2 | 90691.18 | 91292.76 | 90925.95 | 90969.96 | 0.33 | ppb |
| Iron | 54-2 | 91379.56 | 92787.32 | 93052.08 | 92406.32 | 0.97 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04MS | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453SRE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:57:10 | DataFile Name : | 047SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 133.85 | 141.13 | 139.17 | 138.05 | 2.73 | ppb |
| Lead | 207-1 | 133.16 | 136.48 | 134.87 | 134.84 | 1.23 | ppb |
| Lead | 208-1 | 132.75 | 137.77 | 136.54 | 135.69 | 1.93 | ppb |
| Lithium | 6-1 | | | | 105 | | % |
| Magnesium | 24-2 | 17957.48 | 17981.20 | 17884.71 | 17941.13 | 0.28 | ppb |
| Manganese | 55-2 | 4457.71 | 4507.03 | 4553.55 | 4506.10 | 1.06 | ppb |
| Molybdenum | 94-1 | 20.99 | 21.67 | 21.03 | 21.23 | 1.80 | ppb |
| Molybdenum | 95-1 | 1.95 | 1.99 | 1.96 | 1.96 | 1.09 | ppb |
| Molybdenum | 96-1 | 4.40 | 4.44 | 4.58 | 4.47 | 2.18 | ppb |
| Molybdenum | 97-1 | 1.81 | 1.90 | 1.97 | 1.89 | 4.18 | ppb |
| Molybdenum | 98-1 | 1.84 | 1.86 | 1.90 | 1.87 | 1.58 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 1611.36 | 1604.12 | 1599.97 | 1605.15 | 0.36 | ppb |
| Phosphorus | 31-2 | 3146.95 | 3202.08 | 3250.47 | 3199.83 | 1.62 | ppb |
| Potassium | 39-2 | 12667.31 | 12642.53 | 12615.69 | 12641.84 | 0.20 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 102 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 304.74 | 310.53 | 313.12 | 309.46 | 1.39 | ppb |
| Selenium | 77-2 | 308.73 | 319.59 | 302.84 | 310.38 | 2.74 | ppb |
| Selenium | 78-2 | 311.49 | 307.61 | 307.95 | 309.02 | 0.70 | ppb |
| Silicon | 28-1 | 1795.66 | 1895.50 | 1873.77 | 1854.97 | 2.83 | ppb |
| Silver | 107-1 | 89.01 | 87.39 | 97.29 | 91.23 | 5.82 | ppb |
| Silver | 109-1 | 72.84 | 77.25 | 87.56 | 79.22 | 9.53 | ppb |
| Sodium | 23-2 | 351.37 | 359.41 | 364.03 | 358.27 | 1.79 | ppb |
| Strontium | 86-1 | 103.13 | 106.12 | 105.09 | 104.78 | 1.45 | ppb |
| Strontium | 88-1 | 109.18 | 111.16 | 109.53 | 109.95 | 0.96 | ppb |
| Sulfur | 34-1 | -1993.80 | -1872.22 | -1906.25 | -1924.09 | | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 129.61 | 131.51 | 129.79 | 130.31 | 0.81 | ppb |
| Thallium | 205-1 | 128.04 | 131.97 | 129.44 | 129.82 | 1.53 | ppb |
| Tin | 118-1 | 1.78 | 1.83 | 1.92 | 1.84 | 3.93 | ppb |
| Titanium | 47-1 | 890.99 | 917.89 | 920.70 | 909.86 | 1.80 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04MS | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453SRE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:57:10 | DataFile Name : | 047SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.30 | 1.39 | 1.32 | 1.34 | 3.53 | ppb |
| Vanadium | 51-2 | 1574.62 | 1560.01 | 1571.62 | 1568.75 | 0.49 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 1680.05 | 1689.06 | 1698.82 | 1689.31 | 0.56 | ppb |
| Zirconium | 90-1 | 11.57 | 12.06 | 12.11 | 11.91 | 2.50 | ppb |
| Zirconium | 91-1 | 11.74 | 12.27 | 12.03 | 12.01 | 2.18 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:00:10 | DataFile Name : | 048SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 48029.94 | 48530.93 | 48831.06 | 48463.98 | 0.84 | ppb |
| Antimony | 121-1 | 1.93 | 1.98 | 1.90 | 1.94 | 2.08 | ppb |
| Arsenic | 75-2 | 122.50 | 122.96 | 124.11 | 123.19 | 0.67 | ppb |
| Barium | 135-1 | 552.11 | 559.53 | 573.52 | 561.72 | 1.94 | ppb |
| Barium | 137-1 | 546.09 | 556.39 | 569.75 | 557.41 | 2.13 | ppb |
| Beryllium | 9-1 | 1.62 | 1.85 | 1.86 | 1.77 | 7.69 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.77 | 3.47 | 2.68 | 2.97 | 14.53 | ppb |
| Cadmium | 106-1 | 2.67 | 2.96 | 2.16 | 2.60 | 15.47 | ppb |
| Cadmium | 111-1 | 1.94 | 2.00 | 2.05 | 2.00 | 2.73 | ppb |
| Calcium | 43-1 | 21837.07 | 22436.37 | 22795.99 | 22356.48 | 2.17 | ppb |
| Calcium | 44-1 | 21049.34 | 21538.07 | 21899.36 | 21495.59 | 1.98 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 106.11 | 105.31 | 106.08 | 105.83 | 0.43 | ppb |
| Cobalt | 59-2 | 49.13 | 48.94 | 48.96 | 49.01 | 0.22 | ppb |
| Copper | 63-2 | 292.59 | 292.21 | 290.29 | 291.70 | 0.42 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 92866.11 | 91837.60 | 92641.49 | 92448.40 | 0.58 | ppb |
| Iron | 57-2 | 91527.30 | 90497.39 | 91129.15 | 91051.28 | 0.57 | ppb |
| Iron | 54-2 | 91702.18 | 92948.31 | 92059.73 | 92236.74 | 0.70 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:00:10 | DataFile Name : | 048SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 72.03 | 71.48 | 72.75 | 72.08 | 0.88 | ppb |
| Lead | 207-1 | 70.11 | 69.17 | 71.39 | 70.22 | 1.59 | ppb |
| Lead | 208-1 | 70.27 | 69.96 | 71.12 | 70.45 | 0.85 | ppb |
| Lithium | 6-1 | | | | 103 | | % |
| Magnesium | 24-2 | 21240.42 | 21222.12 | 20976.95 | 21146.50 | 0.70 | ppb |
| Manganese | 55-2 | 3142.05 | 3164.33 | 3127.98 | 3144.79 | 0.58 | ppb |
| Molybdenum | 94-1 | 27.84 | 27.89 | 28.09 | 27.94 | 0.48 | ppb |
| Molybdenum | 95-1 | 1.21 | 1.29 | 1.29 | 1.26 | 3.75 | ppb |
| Molybdenum | 96-1 | 4.57 | 4.55 | 4.71 | 4.61 | 1.91 | ppb |
| Molybdenum | 97-1 | 1.27 | 1.29 | 1.25 | 1.27 | 1.66 | ppb |
| Molybdenum | 98-1 | 1.21 | 1.23 | 1.20 | 1.21 | 1.49 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 96.24 | 96.62 | 95.89 | 96.25 | 0.38 | ppb |
| Phosphorus | 31-2 | 2073.89 | 2064.63 | 2104.24 | 2080.92 | 1.00 | ppb |
| Potassium | 39-2 | 10671.66 | 10587.80 | 10493.26 | 10584.24 | 0.84 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 103 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 1.44 | 1.17 | 0.16 | 0.92 | 72.95 | ppb |
| Selenium | 77-2 | 12.89 | 17.60 | 13.49 | 14.66 | 17.47 | ppb |
| Selenium | 78-2 | 2.96 | 3.93 | 2.40 | 3.10 | 24.93 | ppb |
| Silicon | 28-1 | 1893.18 | 1949.30 | 1956.42 | 1932.96 | 1.79 | ppb |
| Silver | 107-1 | 0.89 | 0.81 | 0.78 | 0.83 | 6.75 | ppb |
| Silver | 109-1 | 0.87 | 0.79 | 0.85 | 0.84 | 5.18 | ppb |
| Sodium | 23-2 | 291.57 | 291.44 | 291.23 | 291.41 | 0.06 | ppb |
| Strontium | 86-1 | 96.73 | 97.29 | 98.46 | 97.49 | 0.90 | ppb |
| Strontium | 88-1 | 101.98 | 103.81 | 102.74 | 102.84 | 0.89 | ppb |
| Sulfur | 34-1 | -2153.95 | -2151.22 | -2056.68 | -2120.62 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 0.47 | 0.42 | 0.48 | 0.46 | 6.95 | ppb |
| Thallium | 205-1 | 0.45 | 0.43 | 0.42 | 0.43 | 2.97 | ppb |
| Tin | 118-1 | 1.90 | 1.92 | 2.03 | 1.95 | 3.61 | ppb |
| Titanium | 47-1 | 1003.48 | 1031.25 | 1043.11 | 1025.95 | 1.98 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:00:10 | DataFile Name : | 048SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.93 | 0.93 | 0.94 | 0.93 | 0.66 | ppb |
| Vanadium | 51-2 | 170.83 | 168.68 | 169.74 | 169.75 | 0.64 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 107 | | % |
| Zinc | 66-2 | 251.62 | 253.57 | 255.25 | 253.48 | 0.72 | ppb |
| Zirconium | 90-1 | 16.55 | 16.59 | 16.64 | 16.59 | 0.29 | ppb |
| Zirconium | 91-1 | 16.55 | 16.31 | 16.82 | 16.56 | 1.51 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-13 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481D | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:03:19 | DataFile Name : | 049SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 49990.21 | 49735.51 | 48884.54 | 49536.75 | 1.17 | ppb |
| Antimony | 121-1 | 1.92 | 2.04 | 1.99 | 1.98 | 3.13 | ppb |
| Arsenic | 75-2 | 125.82 | 126.24 | 121.75 | 124.60 | 1.99 | ppb |
| Barium | 135-1 | 555.62 | 556.40 | 564.95 | 558.99 | 0.93 | ppb |
| Barium | 137-1 | 549.49 | 557.05 | 562.15 | 556.23 | 1.15 | ppb |
| Beryllium | 9-1 | 1.64 | 1.71 | 1.70 | 1.68 | 2.20 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 3.40 | 3.35 | 3.40 | 3.38 | 0.93 | ppb |
| Cadmium | 106-1 | 3.02 | 2.78 | 3.12 | 2.98 | 5.82 | ppb |
| Cadmium | 111-1 | 2.02 | 2.13 | 2.07 | 2.07 | 2.51 | ppb |
| Calcium | 43-1 | 22698.61 | 22978.52 | 23077.42 | 22918.18 | 0.86 | ppb |
| Calcium | 44-1 | 21890.53 | 22071.49 | 22125.07 | 22029.03 | 0.56 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 107.97 | 108.03 | 106.52 | 107.51 | 0.80 | ppb |
| Cobalt | 59-2 | 50.63 | 50.67 | 49.78 | 50.36 | 1.00 | ppb |
| Copper | 63-2 | 298.90 | 300.37 | 293.09 | 297.45 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 94738.33 | 95065.72 | 93986.58 | 94596.88 | 0.58 | ppb |
| Iron | 57-2 | 91931.51 | 93233.43 | 91516.98 | 92227.31 | 0.97 | ppb |
| Iron | 54-2 | 94141.83 | 94781.63 | 92833.73 | 93919.06 | 1.06 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-13 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481D | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:03:19 | DataFile Name : | 049SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 73.24 | 73.12 | 75.32 | 73.90 | 1.68 | ppb |
| Lead | 207-1 | 71.03 | 71.94 | 73.53 | 72.17 | 1.75 | ppb |
| Lead | 208-1 | 71.30 | 71.66 | 73.85 | 72.27 | 1.91 | ppb |
| Lithium | 6-1 | | | | 102 | | % |
| Magnesium | 24-2 | 21873.85 | 21893.95 | 21299.67 | 21689.15 | 1.56 | ppb |
| Manganese | 55-2 | 3138.88 | 3119.52 | 3097.11 | 3118.50 | 0.67 | ppb |
| Molybdenum | 94-1 | 27.50 | 28.28 | 28.45 | 28.08 | 1.80 | ppb |
| Molybdenum | 95-1 | 1.31 | 1.32 | 1.32 | 1.32 | 0.35 | ppb |
| Molybdenum | 96-1 | 4.59 | 4.68 | 4.61 | 4.62 | 0.99 | ppb |
| Molybdenum | 97-1 | 1.34 | 1.32 | 1.31 | 1.33 | 1.10 | ppb |
| Molybdenum | 98-1 | 1.27 | 1.24 | 1.30 | 1.27 | 2.48 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 98.63 | 99.00 | 96.80 | 98.14 | 1.20 | ppb |
| Phosphorus | 31-2 | 2149.68 | 2109.44 | 2122.70 | 2127.27 | 0.96 | ppb |
| Potassium | 39-2 | 10872.64 | 10926.50 | 10695.10 | 10831.42 | 1.12 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 99 | | % |
| Scandium | 45-1 | | | | 104 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 0.97 | 1.05 | 0.90 | 0.97 | 7.44 | ppb |
| Selenium | 77-2 | 12.24 | 18.67 | 15.42 | 15.45 | 20.82 | ppb |
| Selenium | 78-2 | 2.06 | 3.12 | 0.65 | 1.94 | 63.82 | ppb |
| Silicon | 28-1 | 1724.44 | 1741.88 | 1774.23 | 1746.85 | 1.45 | ppb |
| Silver | 107-1 | 0.82 | 0.85 | 0.79 | 0.82 | 3.66 | ppb |
| Silver | 109-1 | 0.79 | 0.83 | 0.82 | 0.81 | 2.51 | ppb |
| Sodium | 23-2 | 302.75 | 299.17 | 293.86 | 298.59 | 1.50 | ppb |
| Strontium | 86-1 | 98.80 | 101.69 | 100.81 | 100.43 | 1.47 | ppb |
| Strontium | 88-1 | 102.50 | 105.58 | 105.01 | 104.36 | 1.57 | ppb |
| Sulfur | 34-1 | -2277.99 | -2333.30 | -2326.78 | -2312.69 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.41 | 0.42 | 0.43 | 0.42 | 2.16 | ppb |
| Thallium | 205-1 | 0.43 | 0.44 | 0.45 | 0.44 | 2.51 | ppb |
| Tin | 118-1 | 2.09 | 2.01 | 2.05 | 2.05 | 1.96 | ppb |
| Titanium | 47-1 | 997.71 | 1025.98 | 1015.91 | 1013.20 | 1.41 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-13 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481D | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:03:19 | DataFile Name : | 049SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.92 | 0.99 | 1.00 | 0.97 | 4.65 | ppb |
| Vanadium | 51-2 | 172.85 | 173.94 | 171.04 | 172.61 | 0.85 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 108 | | % |
| Zinc | 66-2 | 263.30 | 260.32 | 255.94 | 259.85 | 1.43 | ppb |
| Zirconium | 90-1 | 16.09 | 16.50 | 16.52 | 16.37 | 1.50 | ppb |
| Zirconium | 91-1 | 15.99 | 16.67 | 16.65 | 16.44 | 2.33 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481L | Dilution Factor : | 5 |
| Date & Time Acquired : | 2024-10-30 15:06:30 | DataFile Name : | 050SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 9351.61 | 9473.18 | 9349.54 | 9391.44 | 0.75 | ppb |
| Antimony | 121-1 | 0.32 | 0.33 | 0.35 | 0.33 | 4.21 | ppb |
| Arsenic | 75-2 | 23.46 | 24.48 | 23.81 | 23.92 | 2.17 | ppb |
| Barium | 135-1 | 99.16 | 101.80 | 103.03 | 101.33 | 1.95 | ppb |
| Barium | 137-1 | 97.52 | 100.49 | 102.05 | 100.02 | 2.30 | ppb |
| Beryllium | 9-1 | 0.31 | 0.27 | 0.31 | 0.30 | 8.06 | ppb |
| Bismuth | 209-1 | | | | 111 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.64 | 0.42 | 0.65 | 0.57 | 22.86 | ppb |
| Cadmium | 106-1 | -0.30 | 0.15 | 0.06 | -0.03 | | ppb |
| Cadmium | 111-1 | 0.36 | 0.44 | 0.30 | 0.37 | 19.91 | ppb |
| Calcium | 43-1 | 4127.19 | 4332.45 | 4381.92 | 4280.52 | 3.16 | ppb |
| Calcium | 44-1 | 4202.68 | 4400.23 | 4387.51 | 4330.14 | 2.55 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 20.17 | 21.07 | 20.54 | 20.59 | 2.22 | ppb |
| Cobalt | 59-2 | 9.58 | 9.59 | 9.60 | 9.59 | 0.13 | ppb |
| Copper | 63-2 | 56.86 | 57.02 | 56.75 | 56.88 | 0.24 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 103 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 17903.68 | 18177.74 | 17913.32 | 17998.25 | 0.86 | ppb |
| Iron | 57-2 | 18027.34 | 18244.93 | 18091.35 | 18121.21 | 0.62 | ppb |
| Iron | 54-2 | 18031.17 | 18195.89 | 17788.68 | 18005.25 | 1.14 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481L | Dilution Factor : | 5 |
| Date & Time Acquired : | 2024-10-30 15:06:30 | DataFile Name : | 050SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 12.50 | 13.09 | 13.05 | 12.88 | 2.57 | ppb |
| Lead | 207-1 | 12.30 | 12.77 | 12.71 | 12.59 | 2.04 | ppb |
| Lead | 208-1 | 12.33 | 12.78 | 12.87 | 12.66 | 2.26 | ppb |
| Lithium | 6-1 | | | | 102 | | % |
| Magnesium | 24-2 | 4205.38 | 4232.63 | 4213.78 | 4217.27 | 0.33 | ppb |
| Manganese | 55-2 | 624.61 | 633.34 | 625.72 | 627.89 | 0.76 | ppb |
| Molybdenum | 94-1 | 5.19 | 7.91 | 5.72 | 6.27 | 23.00 | ppb |
| Molybdenum | 95-1 | 0.29 | 0.31 | 0.29 | 0.30 | 4.58 | ppb |
| Molybdenum | 96-1 | 0.89 | 0.90 | 0.93 | 0.91 | 1.79 | ppb |
| Molybdenum | 97-1 | 0.35 | 0.26 | 0.33 | 0.31 | 14.40 | ppb |
| Molybdenum | 98-1 | 0.23 | 0.30 | 0.28 | 0.27 | 12.82 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 18.82 | 19.30 | 19.34 | 19.15 | 1.52 | ppb |
| Phosphorus | 31-2 | 397.63 | 391.43 | 406.84 | 398.63 | 1.94 | ppb |
| Potassium | 39-2 | 2157.57 | 2174.99 | 2139.78 | 2157.44 | 0.82 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 98 | | % |
| Scandium | 45-2 | | | | 96 | | % |
| Selenium | 82-1 | 0.44 | -0.14 | 0.67 | 0.33 | 129.39 | ppb |
| Selenium | 77-2 | 2.95 | 2.96 | 1.85 | 2.58 | 24.71 | ppb |
| Selenium | 78-2 | -0.03 | 1.13 | 1.67 | 0.92 | 94.29 | ppb |
| Silicon | 28-1 | 356.71 | 372.09 | 374.59 | 367.80 | 2.63 | ppb |
| Silver | 107-1 | 0.16 | 0.15 | 0.16 | 0.16 | 3.26 | ppb |
| Silver | 109-1 | 0.14 | 0.15 | 0.16 | 0.15 | 5.85 | ppb |
| Sodium | 23-2 | 78.32 | 80.45 | 81.78 | 80.18 | 2.18 | ppb |
| Strontium | 86-1 | 18.32 | 19.45 | 19.19 | 18.98 | 3.13 | ppb |
| Strontium | 88-1 | 18.44 | 19.48 | 19.28 | 19.07 | 2.91 | ppb |
| Sulfur | 34-1 | -2298.62 | -2132.33 | -2176.61 | -2202.52 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.10 | 0.09 | 0.09 | 0.09 | 7.08 | ppb |
| Thallium | 205-1 | 0.08 | 0.08 | 0.09 | 0.08 | 5.28 | ppb |
| Tin | 118-1 | 0.45 | 0.48 | 0.53 | 0.48 | 8.10 | ppb |
| Titanium | 47-1 | 188.56 | 195.84 | 197.85 | 194.08 | 2.52 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481L | Dilution Factor : | 5 |
| Date & Time Acquired : | 2024-10-30 15:06:30 | DataFile Name : | 050SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.17 | 0.16 | 0.17 | 0.17 | 2.13 | ppb |
| Vanadium | 51-2 | 32.32 | 32.82 | 32.80 | 32.64 | 0.86 | ppb |
| Yttrium | 89-1 | | | | 99 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | 51.87 | 53.70 | 52.99 | 52.86 | 1.74 | ppb |
| Zirconium | 90-1 | 3.02 | 3.17 | 3.14 | 3.11 | 2.60 | ppb |
| Zirconium | 91-1 | 2.92 | 3.25 | 3.24 | 3.14 | 6.04 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-14 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481S | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:09:42 | DataFile Name : | 051SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 49971.95 | 50306.86 | 50038.04 | 50105.62 | 0.35 | ppb |
| Antimony | 121-1 | 69.04 | 69.33 | 70.01 | 69.46 | 0.72 | ppb |
| Arsenic | 75-2 | 149.87 | 151.42 | 150.34 | 150.54 | 0.53 | ppb |
| Barium | 135-1 | 1974.74 | 1974.70 | 2009.77 | 1986.41 | 1.02 | ppb |
| Barium | 137-1 | 1946.47 | 1975.76 | 2039.40 | 1987.21 | 2.39 | ppb |
| Beryllium | 9-1 | 35.67 | 37.54 | 38.39 | 37.20 | 3.74 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 36.04 | 35.80 | 36.13 | 35.99 | 0.47 | ppb |
| Cadmium | 106-1 | 35.30 | 33.73 | 36.56 | 35.19 | 4.03 | ppb |
| Cadmium | 111-1 | 36.78 | 37.29 | 38.21 | 37.43 | 1.93 | ppb |
| Calcium | 43-1 | 22613.57 | 22290.08 | 23013.77 | 22639.14 | 1.60 | ppb |
| Calcium | 44-1 | 21433.57 | 21535.75 | 22081.37 | 21683.57 | 1.61 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 237.43 | 239.87 | 241.48 | 239.59 | 0.85 | ppb |
| Cobalt | 59-2 | 375.48 | 383.11 | 376.58 | 378.39 | 1.09 | ppb |
| Copper | 63-2 | 441.65 | 443.46 | 448.08 | 444.40 | 0.75 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 104 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 92601.43 | 94606.23 | 93782.13 | 93663.26 | 1.08 | ppb |
| Iron | 57-2 | 92381.57 | 92414.73 | 92961.62 | 92585.97 | 0.35 | ppb |
| Iron | 54-2 | 92674.27 | 93764.44 | 93803.69 | 93414.14 | 0.69 | ppb |
| Krypton | 83-1 | | | | | | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-14 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481S | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:09:42 | DataFile Name : | 051SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 85.21 | 84.41 | 85.63 | 85.08 | 0.73 | ppb |
| Lead | 207-1 | 83.57 | 82.41 | 83.58 | 83.19 | 0.81 | ppb |
| Lead | 208-1 | 83.81 | 82.48 | 84.47 | 83.59 | 1.21 | ppb |
| Lithium | 6-1 | | | | 102 | | % |
| Magnesium | 24-2 | 21196.81 | 21677.05 | 21537.37 | 21470.41 | 1.15 | ppb |
| Manganese | 55-2 | 3403.41 | 3496.58 | 3474.70 | 3458.23 | 1.41 | ppb |
| Molybdenum | 94-1 | 27.97 | 28.24 | 29.03 | 28.42 | 1.93 | ppb |
| Molybdenum | 95-1 | 1.24 | 1.30 | 1.41 | 1.32 | 6.56 | ppb |
| Molybdenum | 96-1 | 4.52 | 4.53 | 4.71 | 4.59 | 2.35 | ppb |
| Molybdenum | 97-1 | 1.29 | 1.32 | 1.28 | 1.30 | 1.85 | ppb |
| Molybdenum | 98-1 | 1.20 | 1.29 | 1.26 | 1.25 | 3.76 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 425.27 | 430.48 | 428.74 | 428.16 | 0.62 | ppb |
| Phosphorus | 31-2 | 2109.75 | 2135.63 | 2083.38 | 2109.59 | 1.24 | ppb |
| Potassium | 39-2 | 10523.11 | 10658.91 | 10734.37 | 10638.79 | 1.01 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 103 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 71.81 | 73.04 | 77.19 | 74.01 | 3.80 | ppb |
| Selenium | 77-2 | 88.27 | 96.35 | 77.44 | 87.35 | 10.87 | ppb |
| Selenium | 78-2 | 76.36 | 71.68 | 74.92 | 74.32 | 3.23 | ppb |
| Silicon | 28-1 | 1896.04 | 1900.32 | 1934.76 | 1910.37 | 1.11 | ppb |
| Silver | 107-1 | 29.36 | 29.82 | 29.93 | 29.70 | 1.01 | ppb |
| Silver | 109-1 | 29.29 | 29.87 | 29.96 | 29.71 | 1.22 | ppb |
| Sodium | 23-2 | 290.77 | 295.03 | 293.12 | 292.98 | 0.73 | ppb |
| Strontium | 86-1 | 96.33 | 99.72 | 101.49 | 99.18 | 2.64 | ppb |
| Strontium | 88-1 | 101.82 | 101.78 | 104.14 | 102.58 | 1.32 | ppb |
| Sulfur | 34-1 | -2233.37 | -2411.97 | -2249.34 | -2298.23 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 30.95 | 30.33 | 30.98 | 30.75 | 1.19 | ppb |
| Thallium | 205-1 | 30.61 | 30.05 | 31.02 | 30.56 | 1.59 | ppb |
| Tin | 118-1 | 1.99 | 1.87 | 2.00 | 1.95 | 3.54 | ppb |
| Titanium | 47-1 | 1023.58 | 1019.69 | 1049.97 | 1031.08 | 1.60 | ppb |

Reviewed By:Mohan
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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-14 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481S | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:09:42 | DataFile Name : | 051SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.94 | 0.97 | 0.95 | 0.95 | 1.48 | ppb |
| Vanadium | 51-2 | 494.47 | 498.91 | 500.65 | 498.01 | 0.64 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 574.31 | 579.64 | 576.58 | 576.84 | 0.46 | ppb |
| Zirconium | 90-1 | 16.10 | 16.63 | 16.92 | 16.55 | 2.52 | ppb |
| Zirconium | 91-1 | 16.03 | 16.43 | 17.20 | 16.55 | 3.61 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12MS | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481SRE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:12:49 | DataFile Name : | 052SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 53094.05 | 52408.78 | 53475.97 | 52992.93 | 1.02 | ppb |
| Antimony | 121-1 | 310.26 | 314.58 | 315.74 | 313.53 | 0.92 | ppb |
| Arsenic | 75-2 | 237.60 | 234.15 | 234.16 | 235.31 | 0.85 | ppb |
| Barium | 135-1 | 6366.32 | 6533.06 | 6596.88 | 6498.75 | 1.83 | ppb |
| Barium | 137-1 | 6304.34 | 6440.19 | 6561.70 | 6435.41 | 2.00 | ppb |
| Beryllium | 9-1 | 154.53 | 152.94 | 155.26 | 154.24 | 0.77 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 141.51 | 143.24 | 145.07 | 143.27 | 1.24 | ppb |
| Cadmium | 106-1 | 137.94 | 143.63 | 140.16 | 140.57 | 2.04 | ppb |
| Cadmium | 111-1 | 152.29 | 156.82 | 157.68 | 155.60 | 1.86 | ppb |
| Calcium | 43-1 | 21966.86 | 22197.66 | 22343.93 | 22169.49 | 0.86 | ppb |
| Calcium | 44-1 | 20842.53 | 21176.38 | 21264.59 | 21094.50 | 1.06 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 683.49 | 675.56 | 687.26 | 682.11 | 0.88 | ppb |
| Cobalt | 59-2 | 1475.37 | 1477.52 | 1490.27 | 1481.05 | 0.54 | ppb |
| Copper | 63-2 | 982.93 | 974.63 | 993.72 | 983.76 | 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 | | | | 104 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 95608.64 | 95352.60 | 95578.31 | 95513.18 | 0.15 | ppb |
| Iron | 57-2 | 93758.22 | 93063.66 | 93471.11 | 93431.00 | 0.37 | ppb |
| Iron | 54-2 | 95094.77 | 94773.51 | 94888.34 | 94918.87 | 0.17 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12MS | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481SRE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:12:49 | DataFile Name : | 052SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 124.34 | 127.13 | 127.16 | 126.21 | 1.29 | ppb |
| Lead | 207-1 | 121.84 | 122.94 | 124.97 | 123.25 | 1.29 | ppb |
| Lead | 208-1 | 122.95 | 125.14 | 124.84 | 124.31 | 0.95 | ppb |
| Lithium | 6-1 | | | | 102 | | % |
| Magnesium | 24-2 | 21202.63 | 20927.39 | 20928.64 | 21019.55 | 0.75 | ppb |
| Manganese | 55-2 | 4526.52 | 4469.32 | 4538.68 | 4511.51 | 0.82 | ppb |
| Molybdenum | 94-1 | 26.86 | 27.75 | 27.84 | 27.48 | 1.97 | ppb |
| Molybdenum | 95-1 | 1.29 | 1.31 | 1.40 | 1.33 | 4.40 | ppb |
| Molybdenum | 96-1 | 4.59 | 4.50 | 4.73 | 4.60 | 2.54 | ppb |
| Molybdenum | 97-1 | 1.36 | 1.28 | 1.24 | 1.29 | 4.78 | ppb |
| Molybdenum | 98-1 | 1.30 | 1.29 | 1.34 | 1.31 | 1.95 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 1601.76 | 1594.17 | 1611.35 | 1602.43 | 0.54 | ppb |
| Phosphorus | 31-2 | 2085.99 | 2087.18 | 2042.26 | 2071.81 | 1.24 | ppb |
| Potassium | 39-2 | 10455.48 | 10369.22 | 10570.21 | 10464.97 | 0.96 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 103 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 315.11 | 323.01 | 329.15 | 322.43 | 2.18 | ppb |
| Selenium | 77-2 | 331.71 | 328.99 | 332.92 | 331.21 | 0.61 | ppb |
| Selenium | 78-2 | 325.48 | 317.73 | 325.00 | 322.74 | 1.35 | ppb |
| Silicon | 28-1 | 1838.43 | 1849.64 | 1812.55 | 1833.54 | 1.04 | ppb |
| Silver | 107-1 | 87.28 | 83.15 | 88.61 | 86.35 | 3.30 | ppb |
| Silver | 109-1 | 87.77 | 94.89 | 87.68 | 90.11 | 4.59 | ppb |
| Sodium | 23-2 | 292.92 | 290.21 | 295.74 | 292.96 | 0.94 | ppb |
| Strontium | 86-1 | 94.69 | 96.94 | 98.19 | 96.60 | 1.84 | ppb |
| Strontium | 88-1 | 101.32 | 100.21 | 103.03 | 101.52 | 1.40 | ppb |
| Sulfur | 34-1 | -2282.71 | -2384.50 | -2464.27 | -2377.16 | | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 135.19 | 134.56 | 136.17 | 135.31 | 0.60 | ppb |
| Thallium | 205-1 | 134.09 | 154.88 | 135.83 | 141.60 | 8.14 | ppb |
| Tin | 118-1 | 1.93 | 2.03 | 1.98 | 1.98 | 2.59 | ppb |
| Titanium | 47-1 | 994.17 | 1004.65 | 1003.49 | 1000.77 | 0.57 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12MS | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481SRE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:12:49 | DataFile Name : | 052SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.92 | 0.96 | 0.94 | 0.94 | 1.86 | ppb |
| Vanadium | 51-2 | 1575.06 | 1562.24 | 1570.55 | 1569.29 | 0.41 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 1616.61 | 1613.49 | 1621.51 | 1617.20 | 0.25 | ppb |
| Zirconium | 90-1 | 15.63 | 16.05 | 16.52 | 16.06 | 2.79 | ppb |
| Zirconium | 91-1 | 15.80 | 16.38 | 16.40 | 16.19 | 2.09 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:15:55 | DataFile Name : | 053SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 49796.53 | 50328.81 | 50099.59 | 50074.98 | 0.53 | ppb |
| Antimony | 121-1 | 2.18 | 2.43 | 2.19 | 2.27 | 6.31 | ppb |
| Arsenic | 75-2 | 103.51 | 105.37 | 106.32 | 105.06 | 1.36 | ppb |
| Barium | 135-1 | 602.06 | 699.28 | 606.92 | 636.09 | 8.61 | ppb |
| Barium | 137-1 | 603.13 | 696.45 | 610.33 | 636.64 | 8.16 | ppb |
| Beryllium | 9-1 | 1.66 | 1.87 | 1.98 | 1.84 | 8.82 | ppb |
| Bismuth | 209-1 | | | | 102 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.01 | 2.47 | 1.74 | 2.07 | 17.78 | ppb |
| Cadmium | 106-1 | 2.17 | 3.37 | 2.77 | 2.77 | 21.69 | ppb |
| Cadmium | 111-1 | 0.98 | 1.23 | 0.97 | 1.06 | 13.82 | ppb |
| Calcium | 43-1 | 27633.96 | 31244.03 | 28254.69 | 29044.23 | 6.65 | ppb |
| Calcium | 44-1 | 26712.45 | 29953.83 | 26850.17 | 27838.82 | 6.58 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 94.24 | 94.32 | 95.59 | 94.72 | 0.80 | ppb |
| Cobalt | 59-2 | 44.40 | 45.05 | 44.71 | 44.72 | 0.72 | ppb |
| Copper | 63-2 | 170.64 | 173.06 | 173.77 | 172.49 | 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 | | | | 98 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 94 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 93745.19 | 94922.08 | 96676.48 | 95114.58 | 1.55 | ppb |
| Iron | 57-2 | 93898.77 | 93249.63 | 94762.84 | 93970.41 | 0.81 | ppb |
| Iron | 54-2 | 94158.69 | 94326.70 | 94282.39 | 94255.93 | 0.09 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:15:55 | DataFile Name : | 053SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 40.55 | 46.55 | 41.06 | 42.72 | 7.80 | ppb |
| Lead | 207-1 | 39.46 | 44.98 | 39.51 | 41.32 | 7.69 | ppb |
| Lead | 208-1 | 39.46 | 45.40 | 39.97 | 41.61 | 7.92 | ppb |
| Lithium | 6-1 | | | | 94 | | % |
| Magnesium | 24-2 | 22087.28 | 22322.35 | 22509.62 | 22306.42 | 0.95 | ppb |
| Manganese | 55-2 | 1950.36 | 1959.95 | 1975.27 | 1961.86 | 0.64 | ppb |
| Molybdenum | 94-1 | 30.37 | 35.09 | 30.27 | 31.91 | 8.63 | ppb |
| Molybdenum | 95-1 | 1.04 | 1.24 | 1.07 | 1.11 | 9.88 | ppb |
| Molybdenum | 96-1 | 4.63 | 5.41 | 4.74 | 4.92 | 8.65 | ppb |
| Molybdenum | 97-1 | 1.08 | 1.16 | 0.99 | 1.08 | 7.68 | ppb |
| Molybdenum | 98-1 | 0.95 | 1.20 | 1.02 | 1.06 | 11.86 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 102.91 | 105.43 | 105.53 | 104.62 | 1.42 | ppb |
| Phosphorus | 31-2 | 2608.76 | 2628.16 | 2632.64 | 2623.19 | 0.48 | ppb |
| Potassium | 39-2 | 9898.74 | 9762.73 | 9843.14 | 9834.87 | 0.70 | ppb |
| Rhodium | 103-1 | | | | 91 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 99 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 0.82 | 2.15 | 0.84 | 1.27 | 59.85 | ppb |
| Selenium | 77-2 | 12.71 | 19.81 | 12.38 | 14.97 | 28.04 | ppb |
| Selenium | 78-2 | 2.93 | 2.88 | 3.89 | 3.23 | 17.71 | ppb |
| Silicon | 28-1 | 1355.41 | 1541.15 | 1383.71 | 1426.75 | 7.01 | ppb |
| Silver | 107-1 | 0.40 | 0.41 | 0.36 | 0.39 | 6.42 | ppb |
| Silver | 109-1 | 0.44 | 0.41 | 0.31 | 0.39 | 17.37 | ppb |
| Sodium | 23-2 | 461.59 | 462.54 | 466.19 | 463.44 | 0.52 | ppb |
| Strontium | 86-1 | 225.42 | 254.80 | 225.18 | 235.14 | 7.24 | ppb |
| Strontium | 88-1 | 239.90 | 265.87 | 236.09 | 247.29 | 6.55 | ppb |
| Sulfur | 34-1 | -2079.60 | -1470.79 | -2014.14 | -1854.84 | | ppb |
| Terbium | 159-1 | | | | 98 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.33 | 0.35 | 0.32 | 0.34 | 5.08 | ppb |
| Thallium | 205-1 | 0.32 | 0.36 | 0.34 | 0.34 | 5.46 | ppb |
| Tin | 118-1 | 2.44 | 2.77 | 2.53 | 2.58 | 6.53 | ppb |
| Titanium | 47-1 | 1046.65 | 1179.80 | 1057.90 | 1094.78 | 6.74 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:15:55 | DataFile Name : | 053SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.00 | 1.14 | 1.03 | 1.06 | 6.91 | ppb |
| Vanadium | 51-2 | 177.89 | 178.84 | 181.44 | 179.39 | 1.03 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 190.14 | 192.63 | 192.81 | 191.86 | 0.78 | ppb |
| Zirconium | 90-1 | 18.22 | 20.50 | 18.11 | 18.94 | 7.11 | ppb |
| Zirconium | 91-1 | 18.17 | 20.56 | 18.16 | 18.97 | 7.29 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-06 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494D | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:19:11 | DataFile Name : | 054SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 51676.21 | 51501.42 | 51600.74 | 51592.79 | 0.17 | ppb |
| Antimony | 121-1 | 2.10 | 2.04 | 2.20 | 2.11 | 3.91 | ppb |
| Arsenic | 75-2 | 109.71 | 109.66 | 107.87 | 109.08 | 0.96 | ppb |
| Barium | 135-1 | 611.29 | 613.21 | 637.93 | 620.81 | 2.39 | ppb |
| Barium | 137-1 | 610.25 | 612.73 | 685.78 | 636.25 | 6.74 | ppb |
| Beryllium | 9-1 | 1.66 | 1.89 | 1.83 | 1.79 | 6.56 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.30 | 1.56 | 1.90 | 1.92 | 19.41 | ppb |
| Cadmium | 106-1 | 2.89 | 2.62 | 1.30 | 2.27 | 37.50 | ppb |
| Cadmium | 111-1 | 1.02 | 0.93 | 0.89 | 0.95 | 6.92 | ppb |
| Calcium | 43-1 | 28020.24 | 28478.12 | 28601.12 | 28366.50 | 1.08 | ppb |
| Calcium | 44-1 | 27455.91 | 27298.42 | 27253.25 | 27335.86 | 0.39 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 97.19 | 97.07 | 96.90 | 97.05 | 0.15 | ppb |
| Cobalt | 59-2 | 45.90 | 45.69 | 45.86 | 45.81 | 0.24 | ppb |
| Copper | 63-2 | 175.75 | 175.49 | 176.92 | 176.05 | 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 | | | | 102 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 97425.56 | 97699.93 | 96988.86 | 97371.45 | 0.37 | ppb |
| Iron | 57-2 | 95462.66 | 95937.36 | 94787.87 | 95395.96 | 0.61 | ppb |
| Iron | 54-2 | 96327.26 | 96642.04 | 96552.67 | 96507.32 | 0.17 | ppb |
| Krypton | 83-1 | | | | | | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-06 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494D | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:19:11 | DataFile Name : | 054SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 40.60 | 41.45 | 41.51 | 41.18 | 1.24 | ppb |
| Lead | 207-1 | 39.11 | 40.06 | 40.61 | 39.92 | 1.90 | ppb |
| Lead | 208-1 | 39.53 | 40.10 | 40.49 | 40.04 | 1.21 | ppb |
| Lithium | 6-1 | | | | 97 | | % |
| Magnesium | 24-2 | 22831.81 | 22927.23 | 22804.90 | 22854.65 | 0.28 | ppb |
| Manganese | 55-2 | 2001.43 | 1994.56 | 1994.62 | 1996.87 | 0.20 | ppb |
| Molybdenum | 94-1 | 31.16 | 32.63 | 31.78 | 31.86 | 2.31 | ppb |
| Molybdenum | 95-1 | 1.06 | 1.12 | 1.13 | 1.10 | 3.11 | ppb |
| Molybdenum | 96-1 | 4.77 | 5.02 | 4.86 | 4.88 | 2.53 | ppb |
| Molybdenum | 97-1 | 1.13 | 1.12 | 1.06 | 1.10 | 3.43 | ppb |
| Molybdenum | 98-1 | 0.96 | 1.05 | 1.00 | 1.00 | 4.43 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 106.75 | 106.22 | 106.82 | 106.60 | 0.31 | ppb |
| Phosphorus | 31-2 | 2697.02 | 2656.25 | 2691.67 | 2681.65 | 0.83 | ppb |
| Potassium | 39-2 | 10038.45 | 10069.05 | 10056.81 | 10054.77 | 0.15 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 102 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 0.89 | 1.16 | 1.23 | 1.09 | 16.22 | ppb |
| Selenium | 77-2 | 16.29 | 18.18 | 20.01 | 18.16 | 10.26 | ppb |
| Selenium | 78-2 | 3.26 | 0.75 | 1.73 | 1.91 | 66.08 | ppb |
| Silicon | 28-1 | 1329.22 | 1339.84 | 1333.20 | 1334.09 | 0.40 | ppb |
| Silver | 107-1 | 0.33 | 0.33 | 0.35 | 0.34 | 3.67 | ppb |
| Silver | 109-1 | 0.30 | 0.31 | 0.34 | 0.32 | 6.48 | ppb |
| Sodium | 23-2 | 460.89 | 464.41 | 461.32 | 462.21 | 0.42 | ppb |
| Strontium | 86-1 | 228.38 | 231.55 | 236.01 | 231.98 | 1.65 | ppb |
| Strontium | 88-1 | 237.67 | 248.14 | 247.90 | 244.57 | 2.44 | ppb |
| Sulfur | 34-1 | -1889.88 | -1961.95 | -2060.31 | -1970.71 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.31 | 0.31 | 0.29 | 0.30 | 3.74 | ppb |
| Thallium | 205-1 | 0.29 | 0.31 | 0.30 | 0.30 | 2.69 | ppb |
| Tin | 118-1 | 2.50 | 2.42 | 2.46 | 2.46 | 1.81 | ppb |
| Titanium | 47-1 | 1080.91 | 1085.97 | 1074.94 | 1080.61 | 0.51 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-06 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494D | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:19:11 | DataFile Name : | 054SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.03 | 1.06 | 1.04 | 1.04 | 1.38 | ppb |
| Vanadium | 51-2 | 184.93 | 184.32 | 184.16 | 184.47 | 0.22 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 195.63 | 194.42 | 195.72 | 195.26 | 0.37 | ppb |
| Zirconium | 90-1 | 18.72 | 19.31 | 19.44 | 19.16 | 1.99 | ppb |
| Zirconium | 91-1 | 18.47 | 19.33 | 19.28 | 19.02 | 2.53 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494L | Dilution Factor : | 5 |
| Date & Time Acquired : | 2024-10-30 15:22:28 | DataFile Name : | 055SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 9886.12 | 10020.57 | 9958.20 | 9954.96 | 0.68 | ppb |
| Antimony | 121-1 | 0.37 | 0.40 | 0.42 | 0.39 | 6.28 | ppb |
| Arsenic | 75-2 | 20.16 | 20.82 | 19.98 | 20.32 | 2.18 | ppb |
| Barium | 135-1 | 113.94 | 117.04 | 116.72 | 115.90 | 1.47 | ppb |
| Barium | 137-1 | 113.60 | 117.00 | 116.77 | 115.79 | 1.64 | ppb |
| Beryllium | 9-1 | 0.39 | 0.29 | 0.30 | 0.33 | 17.15 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.24 | 0.20 | 0.25 | 0.23 | 9.67 | ppb |
| Cadmium | 106-1 | -0.61 | -0.54 | -1.00 | -0.71 | | ppb |
| Cadmium | 111-1 | 0.14 | 0.15 | 0.09 | 0.13 | 27.07 | ppb |
| Calcium | 43-1 | 5585.74 | 5569.96 | 5519.14 | 5558.28 | 0.63 | ppb |
| Calcium | 44-1 | 5582.95 | 5635.07 | 5534.60 | 5584.20 | 0.90 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 18.75 | 18.52 | 18.76 | 18.68 | 0.72 | ppb |
| Cobalt | 59-2 | 8.79 | 8.94 | 8.95 | 8.89 | 1.03 | ppb |
| Copper | 63-2 | 34.34 | 34.10 | 34.37 | 34.27 | 0.44 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 102 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 18441.09 | 18869.94 | 18873.01 | 18728.01 | 1.33 | ppb |
| Iron | 57-2 | 18851.39 | 18867.75 | 19047.40 | 18922.18 | 0.57 | ppb |
| Iron | 54-2 | 18965.92 | 18800.78 | 18697.34 | 18821.35 | 0.72 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494L | Dilution Factor : | 5 |
| Date & Time Acquired : | 2024-10-30 15:22:28 | DataFile Name : | 055SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 7.56 | 7.77 | 7.60 | 7.64 | 1.40 | ppb |
| Lead | 207-1 | 7.06 | 7.40 | 7.32 | 7.26 | 2.48 | ppb |
| Lead | 208-1 | 7.27 | 7.46 | 7.39 | 7.37 | 1.30 | ppb |
| Lithium | 6-1 | | | | 95 | | % |
| Magnesium | 24-2 | 4498.36 | 4507.13 | 4523.12 | 4509.54 | 0.28 | ppb |
| Manganese | 55-2 | 383.32 | 386.85 | 385.39 | 385.19 | 0.46 | ppb |
| Molybdenum | 94-1 | 5.99 | 6.00 | 5.95 | 5.98 | 0.46 | ppb |
| Molybdenum | 95-1 | 0.23 | 0.24 | 0.23 | 0.24 | 3.28 | ppb |
| Molybdenum | 96-1 | 1.00 | 1.01 | 0.96 | 0.99 | 2.88 | ppb |
| Molybdenum | 97-1 | 0.23 | 0.24 | 0.27 | 0.25 | 9.90 | ppb |
| Molybdenum | 98-1 | 0.24 | 0.23 | 0.23 | 0.24 | 2.69 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 20.43 | 20.91 | 20.75 | 20.70 | 1.18 | ppb |
| Phosphorus | 31-2 | 494.56 | 514.26 | 497.34 | 502.05 | 2.12 | ppb |
| Potassium | 39-2 | 2033.68 | 2042.16 | 2022.32 | 2032.72 | 0.49 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 99 | | % |
| Scandium | 45-1 | | | | 97 | | % |
| Scandium | 45-2 | | | | 97 | | % |
| Selenium | 82-1 | 0.75 | 1.03 | 0.54 | 0.77 | 32.40 | ppb |
| Selenium | 77-2 | 1.79 | 2.21 | 1.84 | 1.95 | 11.76 | ppb |
| Selenium | 78-2 | 0.79 | 0.64 | 2.06 | 1.16 | 67.23 | ppb |
| Silicon | 28-1 | 278.95 | 276.37 | 267.71 | 274.34 | 2.15 | ppb |
| Silver | 107-1 | 0.07 | 0.08 | 0.05 | 0.07 | 17.67 | ppb |
| Silver | 109-1 | 0.07 | 0.07 | 0.08 | 0.07 | 9.93 | ppb |
| Sodium | 23-2 | 113.18 | 115.17 | 116.16 | 114.84 | 1.32 | ppb |
| Strontium | 86-1 | 45.17 | 44.04 | 44.37 | 44.53 | 1.31 | ppb |
| Strontium | 88-1 | 45.13 | 44.99 | 44.82 | 44.98 | 0.35 | ppb |
| Sulfur | 34-1 | -1909.01 | -1973.03 | -2118.61 | -2000.22 | | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.06 | 0.07 | 0.07 | 0.07 | 6.95 | ppb |
| Thallium | 205-1 | 0.07 | 0.06 | 0.05 | 0.06 | 9.65 | ppb |
| Tin | 118-1 | 0.48 | 0.54 | 0.54 | 0.52 | 6.71 | ppb |
| Titanium | 47-1 | 209.69 | 208.20 | 206.40 | 208.10 | 0.79 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494L | Dilution Factor : | 5 |
| Date & Time Acquired : | 2024-10-30 15:22:28 | DataFile Name : | 055SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.19 | 0.18 | 0.18 | 0.18 | 1.89 | ppb |
| Vanadium | 51-2 | 34.65 | 35.42 | 34.89 | 34.99 | 1.13 | ppb |
| Yttrium | 89-1 | | | | 98 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 38.14 | 37.98 | 39.87 | 38.66 | 2.70 | ppb |
| Zirconium | 90-1 | 3.52 | 3.55 | 3.54 | 3.54 | 0.43 | ppb |
| Zirconium | 91-1 | 3.48 | 3.53 | 3.50 | 3.50 | 0.65 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-07 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494S | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:25:43 | DataFile Name : | 056SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 52489.63 | 52116.68 | 51964.69 | 52190.33 | 0.52 | ppb |
| Antimony | 121-1 | 67.80 | 68.76 | 69.84 | 68.80 | 1.49 | ppb |
| Arsenic | 75-2 | 130.77 | 133.59 | 128.92 | 131.10 | 1.79 | ppb |
| Barium | 135-1 | 2041.67 | 2071.81 | 2131.60 | 2081.69 | 2.20 | ppb |
| Barium | 137-1 | 2037.52 | 2040.39 | 2086.98 | 2054.96 | 1.35 | ppb |
| Beryllium | 9-1 | 37.84 | 39.35 | 39.59 | 38.93 | 2.43 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 33.86 | 34.35 | 34.76 | 34.32 | 1.31 | ppb |
| Cadmium | 106-1 | 31.31 | 32.00 | 34.51 | 32.61 | 5.15 | ppb |
| Cadmium | 111-1 | 35.33 | 35.53 | 36.30 | 35.72 | 1.44 | ppb |
| Calcium | 43-1 | 27573.73 | 28284.29 | 27975.92 | 27944.64 | 1.28 | ppb |
| Calcium | 44-1 | 26314.90 | 27191.68 | 27014.86 | 26840.48 | 1.73 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 231.96 | 231.07 | 228.45 | 230.49 | 0.79 | ppb |
| Cobalt | 59-2 | 385.41 | 382.75 | 385.80 | 384.65 | 0.43 | ppb |
| Copper | 63-2 | 329.60 | 328.87 | 325.05 | 327.84 | 0.75 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 103 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 97966.24 | 97659.75 | 95582.66 | 97069.55 | 1.34 | ppb |
| Iron | 57-2 | 96101.04 | 95018.01 | 95638.41 | 95585.82 | 0.57 | ppb |
| Iron | 54-2 | 97932.98 | 96022.28 | 95758.45 | 96571.24 | 1.23 | ppb |
| Krypton | 83-1 | | | | | | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-07 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494S | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:25:43 | DataFile Name : | 056SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 53.67 | 53.11 | 54.00 | 53.59 | 0.84 | ppb |
| Lead | 207-1 | 51.72 | 51.41 | 51.40 | 51.51 | 0.35 | ppb |
| Lead | 208-1 | 52.11 | 51.71 | 52.26 | 52.03 | 0.54 | ppb |
| Lithium | 6-1 | | | | 96 | | % |
| Magnesium | 24-2 | 22965.16 | 22541.02 | 22166.26 | 22557.48 | 1.77 | ppb |
| Manganese | 55-2 | 2337.37 | 2296.32 | 2270.63 | 2301.44 | 1.46 | ppb |
| Molybdenum | 94-1 | 31.00 | 31.50 | 31.88 | 31.46 | 1.41 | ppb |
| Molybdenum | 95-1 | 1.07 | 1.08 | 1.12 | 1.09 | 2.37 | ppb |
| Molybdenum | 96-1 | 4.72 | 4.74 | 4.76 | 4.74 | 0.41 | ppb |
| Molybdenum | 97-1 | 1.09 | 1.02 | 1.12 | 1.08 | 4.99 | ppb |
| Molybdenum | 98-1 | 1.02 | 0.99 | 1.03 | 1.02 | 2.36 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 445.79 | 441.83 | 440.46 | 442.69 | 0.63 | ppb |
| Phosphorus | 31-2 | 2646.39 | 2651.16 | 2638.57 | 2645.37 | 0.24 | ppb |
| Potassium | 39-2 | 10050.41 | 9918.63 | 9829.60 | 9932.88 | 1.12 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 103 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 69.26 | 69.77 | 70.19 | 69.74 | 0.67 | ppb |
| Selenium | 77-2 | 79.64 | 86.61 | 76.41 | 80.89 | 6.45 | ppb |
| Selenium | 78-2 | 71.60 | 69.08 | 72.30 | 70.99 | 2.38 | ppb |
| Silicon | 28-1 | 1358.30 | 1408.11 | 1369.18 | 1378.53 | 1.90 | ppb |
| Silver | 107-1 | 29.35 | 29.63 | 30.31 | 29.76 | 1.66 | ppb |
| Silver | 109-1 | 29.09 | 29.51 | 30.03 | 29.54 | 1.59 | ppb |
| Sodium | 23-2 | 466.91 | 463.04 | 455.28 | 461.74 | 1.28 | ppb |
| Strontium | 86-1 | 224.00 | 228.45 | 230.76 | 227.74 | 1.51 | ppb |
| Strontium | 88-1 | 234.78 | 242.84 | 240.52 | 239.38 | 1.73 | ppb |
| Sulfur | 34-1 | -2026.62 | -2019.52 | -2116.87 | -2054.33 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 30.14 | 29.72 | 30.29 | 30.05 | 0.99 | ppb |
| Thallium | 205-1 | 29.84 | 29.84 | 30.01 | 29.90 | 0.34 | ppb |
| Tin | 118-1 | 2.50 | 2.44 | 2.61 | 2.52 | 3.46 | ppb |
| Titanium | 47-1 | 1050.40 | 1074.81 | 1055.31 | 1060.17 | 1.22 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-07 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494S | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:25:43 | DataFile Name : | 056SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.02 | 1.02 | 1.04 | 1.03 | 1.47 | ppb |
| Vanadium | 51-2 | 517.56 | 507.46 | 506.10 | 510.37 | 1.23 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 518.81 | 516.71 | 509.62 | 515.05 | 0.94 | ppb |
| Zirconium | 90-1 | 18.09 | 18.52 | 18.76 | 18.46 | 1.84 | ppb |
| Zirconium | 91-1 | 18.39 | 18.84 | 18.40 | 18.54 | 1.40 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV037 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV037 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:28:47 | DataFile Name : | 057CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 47644.51 | 47510.44 | 47912.41 | 47689.12 | 0.43 | ppb |
| Antimony | 121-1 | 498.63 | 500.54 | 504.36 | 501.18 | 0.58 | ppb |
| Arsenic | 75-2 | 532.39 | 533.17 | 522.68 | 529.41 | 1.10 | ppb |
| Barium | 135-1 | 2491.55 | 2517.11 | 2519.80 | 2509.48 | 0.62 | ppb |
| Barium | 137-1 | 2504.71 | 2489.56 | 2521.13 | 2505.14 | 0.63 | ppb |
| Beryllium | 9-1 | 509.41 | 524.06 | 529.23 | 520.90 | 1.97 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 512.00 | 511.07 | 521.85 | 514.97 | 1.16 | ppb |
| Cadmium | 106-1 | 509.33 | 515.80 | 513.06 | 512.73 | 0.63 | ppb |
| Cadmium | 111-1 | 507.50 | 515.48 | 513.36 | 512.12 | 0.81 | ppb |
| Calcium | 43-1 | 241266.09 | 242314.90 | 240803.98 | 241461.66 | 0.32 | ppb |
| Calcium | 44-1 | 237420.22 | 238605.23 | 241600.28 | 239208.57 | 0.90 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 500.58 | 488.39 | 494.47 | 494.48 | 1.23 | ppb |
| Cobalt | 59-2 | 517.82 | 510.66 | 513.03 | 513.83 | 0.71 | ppb |
| Copper | 63-2 | 5051.98 | 5025.50 | 4961.69 | 5013.05 | 0.93 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 108 | | % |
| Holmium | 165-2 | | | | 108 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 124815.48 | 125055.57 | 123254.68 | 124375.24 | 0.79 | ppb |
| Iron | 57-2 | 122382.52 | 121790.74 | 122427.60 | 122200.28 | 0.29 | ppb |
| Iron | 54-2 | 124183.57 | 123410.94 | 123246.08 | 123613.53 | 0.40 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV037 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV037 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:28:47 | DataFile Name : | 057CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2431.57 | 2468.12 | 2546.05 | 2481.91 | 2.36 | ppb |
| Lead | 207-1 | 2420.53 | 2465.10 | 2498.82 | 2461.49 | 1.60 | ppb |
| Lead | 208-1 | 2445.91 | 2451.88 | 2505.68 | 2467.82 | 1.33 | ppb |
| Lithium | 6-1 | | | | 102 | | % |
| Magnesium | 24-2 | 246454.39 | 243410.17 | 247010.91 | 245625.16 | 0.79 | ppb |
| Manganese | 55-2 | 4966.74 | 4935.24 | 4882.56 | 4928.18 | 0.86 | ppb |
| Molybdenum | 94-1 | 4900.26 | 4952.22 | 5043.84 | 4965.44 | 1.46 | ppb |
| Molybdenum | 95-1 | 4919.96 | 4945.71 | 4990.42 | 4952.03 | 0.72 | ppb |
| Molybdenum | 96-1 | 4910.76 | 4898.46 | 4950.93 | 4920.05 | 0.56 | ppb |
| Molybdenum | 97-1 | 4831.28 | 4929.52 | 4932.36 | 4897.72 | 1.18 | ppb |
| Molybdenum | 98-1 | 4843.45 | 4878.62 | 4958.47 | 4893.51 | 1.20 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 509.56 | 510.18 | 510.52 | 510.08 | 0.10 | ppb |
| Phosphorus | 31-2 | 9823.31 | 9863.82 | 9829.69 | 9838.94 | 0.22 | ppb |
| Potassium | 39-2 | 122083.79 | 120848.32 | 121615.73 | 121515.95 | 0.51 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 509.18 | 508.26 | 509.24 | 508.89 | 0.11 | ppb |
| Selenium | 77-2 | 519.55 | 491.74 | 516.37 | 509.22 | 2.99 | ppb |
| Selenium | 78-2 | 534.87 | 508.32 | 516.83 | 520.01 | 2.61 | ppb |
| Silicon | 28-1 | 2816.87 | 2839.18 | 2830.34 | 2828.80 | 0.40 | ppb |
| Silver | 107-1 | 521.16 | 520.66 | 521.59 | 521.14 | 0.09 | ppb |
| Silver | 109-1 | 525.00 | 521.90 | 528.62 | 525.17 | 0.64 | ppb |
| Sodium | 23-2 | 242181.56 | 238516.86 | 240594.22 | 240430.88 | 0.76 | ppb |
| Strontium | 86-1 | 12129.53 | 12152.84 | 12395.07 | 12225.82 | 1.20 | ppb |
| Strontium | 88-1 | 12399.63 | 12333.81 | 12419.55 | 12384.33 | 0.36 | ppb |
| Sulfur | 34-1 | 8918.30 | 8725.67 | 8966.20 | 8870.06 | 1.44 | ppb |
| Terbium | 159-1 | | | | 108 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 495.50 | 495.00 | 513.27 | 501.26 | 2.08 | ppb |
| Thallium | 205-1 | 501.11 | 491.21 | 514.91 | 502.41 | 2.37 | ppb |
| Tin | 118-1 | 481.30 | 484.64 | 489.91 | 485.28 | 0.89 | ppb |
| Titanium | 47-1 | 4955.96 | 4836.58 | 4955.79 | 4916.11 | 1.40 | ppb |

Reviewed By:Mohan
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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV037 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV037 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:28:47 | DataFile Name : | 057CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 493.10 | 490.39 | 511.20 | 498.23 | 2.27 | ppb |
| Vanadium | 51-2 | 498.35 | 495.19 | 496.22 | 496.59 | 0.32 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | 5143.88 | 5117.19 | 5061.07 | 5107.38 | 0.83 | ppb |
| Zirconium | 90-1 | 503.79 | 502.38 | 506.83 | 504.33 | 0.45 | ppb |
| Zirconium | 91-1 | 490.87 | 494.54 | 500.64 | 495.35 | 1.00 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB037 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB037 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:31:35 | DataFile Name : | 058CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5.68 | 5.30 | 4.98 | 5.32 | 6.65 | ppb |
| Antimony | 121-1 | 0.36 | 0.34 | 0.32 | 0.34 | 5.10 | ppb |
| Arsenic | 75-2 | 0.10 | 0.05 | 0.06 | 0.07 | 40.07 | ppb |
| Barium | 135-1 | 0.28 | 0.20 | 0.26 | 0.25 | 17.71 | ppb |
| Barium | 137-1 | 0.30 | 0.28 | 0.22 | 0.26 | 16.05 | ppb |
| Beryllium | 9-1 | 0.08 | 0.09 | 0.04 | 0.07 | 35.56 | ppb |
| Bismuth | 209-1 | | | | 112 | | % |
| Bismuth | 209-2 | | | | 110 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.07 | 0.05 | -0.07 | 0.02 | 423.36 | ppb |
| Cadmium | 106-1 | -0.96 | -0.52 | -1.90 | -1.13 | | ppb |
| Cadmium | 111-1 | -0.02 | 0.00 | -0.07 | -0.03 | | ppb |
| Calcium | 43-1 | 20.13 | 17.45 | 8.62 | 15.40 | 39.11 | ppb |
| Calcium | 44-1 | 4.01 | 2.86 | 1.53 | 2.80 | 44.24 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.01 | 0.06 | 0.02 | 0.03 | 91.52 | ppb |
| Cobalt | 59-2 | 0.05 | 0.04 | 0.05 | 0.05 | 6.14 | ppb |
| Copper | 63-2 | 0.45 | 0.44 | 0.37 | 0.42 | 9.91 | 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 | | | | 105 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 105 | | % |
| Indium | 115-2 | | | | 104 | | % |
| Iron | 56-2 | 12.08 | 11.50 | 11.55 | 11.71 | 2.75 | ppb |
| Iron | 57-2 | 4.65 | 9.42 | 9.67 | 7.92 | 35.74 | ppb |
| Iron | 54-2 | 10.95 | 11.77 | 10.56 | 11.09 | 5.58 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB037 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB037 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:31:35 | DataFile Name : | 058CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.27 | 0.28 | 0.21 | 0.25 | 16.56 | ppb |
| Lead | 207-1 | 0.25 | 0.20 | 0.22 | 0.22 | 10.17 | ppb |
| Lead | 208-1 | 0.26 | 0.24 | 0.21 | 0.24 | 11.76 | ppb |
| Lithium | 6-1 | | | | 97 | | % |
| Magnesium | 24-2 | 18.66 | 17.76 | 17.75 | 18.06 | 2.89 | ppb |
| Manganese | 55-2 | 0.45 | 0.46 | 0.46 | 0.45 | 0.73 | ppb |
| Molybdenum | 94-1 | 0.53 | 0.53 | 0.54 | 0.53 | 1.70 | ppb |
| Molybdenum | 95-1 | 0.50 | 0.48 | 0.45 | 0.48 | 4.77 | ppb |
| Molybdenum | 96-1 | 0.54 | 0.49 | 0.45 | 0.50 | 9.08 | ppb |
| Molybdenum | 97-1 | 0.52 | 0.47 | 0.44 | 0.48 | 7.83 | ppb |
| Molybdenum | 98-1 | 0.50 | 0.47 | 0.44 | 0.47 | 6.81 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.06 | 0.06 | 0.06 | 0.06 | 5.86 | ppb |
| Phosphorus | 31-2 | -18.98 | -19.28 | -16.87 | -18.38 | | ppb |
| Potassium | 39-2 | 9.69 | 14.76 | 10.16 | 11.54 | 24.27 | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 103 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 0.18 | -0.47 | 0.15 | -0.05 | | ppb |
| Selenium | 77-2 | -0.37 | -0.37 | -0.37 | -0.37 | | ppb |
| Selenium | 78-2 | -0.59 | -0.93 | -0.74 | -0.76 | | ppb |
| Silicon | 28-1 | -2.50 | -1.09 | -1.74 | -1.78 | | ppb |
| Silver | 107-1 | 0.08 | 0.06 | 0.06 | 0.07 | 12.24 | ppb |
| Silver | 109-1 | 0.08 | 0.07 | 0.05 | 0.07 | 24.07 | ppb |
| Sodium | 23-2 | 53.32 | 52.75 | 51.06 | 52.38 | 2.25 | ppb |
| Strontium | 86-1 | 0.95 | 0.90 | 0.79 | 0.88 | 9.45 | ppb |
| Strontium | 88-1 | 1.00 | 0.84 | 0.76 | 0.87 | 13.77 | ppb |
| Sulfur | 34-1 | -980.77 | -469.51 | -657.26 | -702.51 | | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 0.11 | 0.10 | 0.09 | 0.10 | 12.72 | ppb |
| Thallium | 205-1 | 0.10 | 0.09 | 0.09 | 0.09 | 9.16 | ppb |
| Tin | 118-1 | 0.08 | 0.15 | 0.08 | 0.10 | 34.49 | ppb |
| Titanium | 47-1 | 0.47 | 0.53 | 0.42 | 0.47 | 10.88 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB037 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB037 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:31:35 | DataFile Name : | 058CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.03 | 0.03 | 0.03 | 0.03 | 15.23 | ppb |
| Vanadium | 51-2 | 0.02 | 0.05 | 0.05 | 0.04 | 36.41 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 0.27 | 0.18 | 0.27 | 0.24 | 21.22 | ppb |
| Zirconium | 90-1 | 0.05 | 0.05 | 0.06 | 0.05 | 8.92 | ppb |
| Zirconium | 91-1 | 0.07 | 0.04 | 0.03 | 0.04 | 45.32 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05MS | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494SRE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:34:52 | DataFile Name : | 059SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 54559.14 | 54988.03 | 54843.08 | 54796.75 | 0.40 | ppb |
| Antimony | 121-1 | 306.37 | 304.97 | 311.07 | 307.47 | 1.04 | ppb |
| Arsenic | 75-2 | 219.47 | 213.94 | 217.05 | 216.82 | 1.28 | ppb |
| Barium | 135-1 | 6521.23 | 6566.65 | 6796.41 | 6628.10 | 2.23 | ppb |
| Barium | 137-1 | 6599.84 | 6546.55 | 6741.40 | 6629.26 | 1.52 | ppb |
| Beryllium | 9-1 | 160.47 | 164.71 | 170.07 | 165.09 | 2.91 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 142.49 | 135.43 | 146.30 | 141.41 | 3.90 | ppb |
| Cadmium | 106-1 | 134.84 | 138.29 | 143.20 | 138.78 | 3.03 | ppb |
| Cadmium | 111-1 | 148.68 | 150.17 | 155.30 | 151.38 | 2.29 | ppb |
| Calcium | 43-1 | 26511.02 | 26943.71 | 27361.40 | 26938.71 | 1.58 | ppb |
| Calcium | 44-1 | 25408.74 | 26078.79 | 26264.22 | 25917.25 | 1.74 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 675.64 | 668.26 | 677.14 | 673.68 | 0.71 | ppb |
| Cobalt | 59-2 | 1477.14 | 1453.77 | 1478.82 | 1469.91 | 0.95 | ppb |
| Copper | 63-2 | 846.99 | 852.98 | 861.68 | 853.89 | 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 | | | | 104 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 95472.64 | 95698.34 | 96149.61 | 95773.53 | 0.36 | ppb |
| Iron | 57-2 | 94700.08 | 93195.00 | 93961.82 | 93952.30 | 0.80 | ppb |
| Iron | 54-2 | 96431.43 | 96532.61 | 96635.41 | 96533.15 | 0.11 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05MS | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494SRE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:34:52 | DataFile Name : | 059SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 90.96 | 91.52 | 93.07 | 91.85 | 1.19 | ppb |
| Lead | 207-1 | 87.80 | 87.49 | 90.14 | 88.48 | 1.64 | ppb |
| Lead | 208-1 | 88.82 | 89.60 | 91.52 | 89.98 | 1.54 | ppb |
| Lithium | 6-1 | | | | 94 | | % |
| Magnesium | 24-2 | 21885.18 | 21862.92 | 21979.21 | 21909.10 | 0.28 | ppb |
| Manganese | 55-2 | 3318.18 | 3303.45 | 3367.09 | 3329.57 | 1.00 | ppb |
| Molybdenum | 94-1 | 30.05 | 30.90 | 31.35 | 30.77 | 2.15 | ppb |
| Molybdenum | 95-1 | 1.12 | 1.10 | 1.12 | 1.11 | 1.04 | ppb |
| Molybdenum | 96-1 | 4.72 | 4.70 | 4.71 | 4.71 | 0.24 | ppb |
| Molybdenum | 97-1 | 1.14 | 1.10 | 1.10 | 1.11 | 2.19 | ppb |
| Molybdenum | 98-1 | 1.10 | 1.07 | 1.11 | 1.10 | 1.71 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 1623.55 | 1609.68 | 1612.26 | 1615.16 | 0.46 | ppb |
| Phosphorus | 31-2 | 2554.56 | 2566.62 | 2553.12 | 2558.10 | 0.29 | ppb |
| Potassium | 39-2 | 9740.62 | 9711.98 | 9666.30 | 9706.30 | 0.39 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 106 | | % |
| Scandium | 45-2 | | | | 107 | | % |
| Selenium | 82-1 | 319.86 | 322.37 | 328.82 | 323.68 | 1.43 | ppb |
| Selenium | 77-2 | 330.30 | 327.02 | 339.88 | 332.40 | 2.01 | ppb |
| Selenium | 78-2 | 321.03 | 315.81 | 332.52 | 323.12 | 2.65 | ppb |
| Silicon | 28-1 | 1300.43 | 1305.00 | 1340.34 | 1315.26 | 1.66 | ppb |
| Silver | 107-1 | 90.79 | 89.58 | 96.38 | 92.25 | 3.93 | ppb |
| Silver | 109-1 | 94.96 | 96.88 | 102.05 | 97.96 | 3.74 | ppb |
| Sodium | 23-2 | 458.50 | 460.67 | 466.18 | 461.79 | 0.86 | ppb |
| Strontium | 86-1 | 220.15 | 219.66 | 226.69 | 222.17 | 1.77 | ppb |
| Strontium | 88-1 | 230.86 | 234.39 | 234.68 | 233.31 | 0.91 | ppb |
| Sulfur | 34-1 | -1401.43 | -1633.44 | -1749.17 | -1594.68 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 126.10 | 128.46 | 130.37 | 128.31 | 1.67 | ppb |
| Thallium | 205-1 | 127.35 | 128.42 | 130.48 | 128.75 | 1.24 | ppb |
| Tin | 118-1 | 2.38 | 2.42 | 2.45 | 2.42 | 1.59 | ppb |
| Titanium | 47-1 | 1002.24 | 1018.65 | 1033.68 | 1018.19 | 1.54 | ppb |



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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05MS | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494SRE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:34:52 | DataFile Name : | 059SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.97 | 0.99 | 1.02 | 0.99 | 2.80 | ppb |
| Vanadium | 51-2 | 1591.63 | 1587.38 | 1597.09 | 1592.03 | 0.31 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 108 | | % |
| Zinc | 66-2 | 1554.22 | 1550.25 | 1559.44 | 1554.64 | 0.30 | ppb |
| Zirconium | 90-1 | 17.86 | 18.07 | 18.09 | 18.01 | 0.70 | ppb |
| Zirconium | 91-1 | 18.00 | 18.16 | 18.55 | 18.24 | 1.56 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-01 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE450 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:37:53 | DataFile Name : | 060SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 39291.04 | 38696.25 | 38592.81 | 38860.03 | 0.97 | ppb |
| Antimony | 121-1 | 2.57 | 3.07 | 2.74 | 2.79 | 9.03 | ppb |
| Arsenic | 75-2 | 102.27 | 103.10 | 104.99 | 103.46 | 1.35 | ppb |
| Barium | 135-1 | 400.20 | 485.57 | 426.44 | 437.41 | 10.00 | ppb |
| Barium | 137-1 | 399.34 | 480.37 | 424.40 | 434.70 | 9.54 | ppb |
| Beryllium | 9-1 | 1.47 | 1.38 | 1.49 | 1.45 | 4.20 | ppb |
| Bismuth | 209-1 | | | | 103 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.64 | 3.21 | 3.01 | 2.95 | 9.95 | ppb |
| Cadmium | 106-1 | 2.41 | 2.69 | 3.23 | 2.78 | 14.90 | ppb |
| Cadmium | 111-1 | 2.10 | 2.59 | 2.33 | 2.34 | 10.42 | ppb |
| Calcium | 43-1 | 28620.34 | 33618.68 | 30155.41 | 30798.14 | 8.31 | ppb |
| Calcium | 44-1 | 27701.86 | 32553.89 | 29036.51 | 29764.08 | 8.42 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 97.56 | 98.22 | 96.42 | 97.40 | 0.93 | ppb |
| Cobalt | 59-2 | 44.40 | 44.35 | 43.71 | 44.15 | 0.87 | ppb |
| Copper | 63-2 | 302.75 | 305.73 | 304.32 | 304.27 | 0.49 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 99 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 96 | | % |
| Indium | 115-2 | | | | 101 | | % |
| Iron | 56-2 | 85470.01 | 86054.79 | 84834.70 | 85453.17 | 0.71 | ppb |
| Iron | 57-2 | 83994.89 | 84238.86 | 83921.55 | 84051.77 | 0.20 | ppb |
| Iron | 54-2 | 84869.14 | 85022.52 | 84366.22 | 84752.63 | 0.41 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-01 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE450 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:37:53 | DataFile Name : | 060SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 67.25 | 77.74 | 69.30 | 71.43 | 7.79 | ppb |
| Lead | 207-1 | 64.31 | 75.76 | 67.45 | 69.17 | 8.56 | ppb |
| Lead | 208-1 | 65.15 | 76.33 | 67.90 | 69.79 | 8.34 | ppb |
| Lithium | 6-1 | | | | 91 | | % |
| Magnesium | 24-2 | 18474.52 | 18612.06 | 18887.17 | 18657.92 | 1.13 | ppb |
| Manganese | 55-2 | 2165.26 | 2169.98 | 2153.07 | 2162.77 | 0.40 | ppb |
| Molybdenum | 94-1 | 21.38 | 25.39 | 22.44 | 23.07 | 9.02 | ppb |
| Molybdenum | 95-1 | 2.20 | 2.42 | 2.14 | 2.25 | 6.59 | ppb |
| Molybdenum | 96-1 | 4.48 | 5.28 | 4.70 | 4.82 | 8.52 | ppb |
| Molybdenum | 97-1 | 2.03 | 2.49 | 2.09 | 2.21 | 11.28 | ppb |
| Molybdenum | 98-1 | 2.05 | 2.51 | 2.16 | 2.24 | 10.84 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 79.70 | 77.98 | 78.80 | 78.83 | 1.09 | ppb |
| Phosphorus | 31-2 | 3199.64 | 3119.42 | 3155.28 | 3158.11 | 1.27 | ppb |
| Potassium | 39-2 | 13196.22 | 13178.90 | 13126.84 | 13167.32 | 0.27 | ppb |
| Rhodium | 103-1 | | | | 93 | | % |
| Rhodium | 103-2 | | | | 99 | | % |
| Scandium | 45-1 | | | | 99 | | % |
| Scandium | 45-2 | | | | 105 | | % |
| Selenium | 82-1 | 2.32 | 2.50 | 2.14 | 2.32 | 7.56 | ppb |
| Selenium | 77-2 | 15.42 | 10.65 | 13.05 | 13.04 | 18.32 | ppb |
| Selenium | 78-2 | 1.97 | 3.45 | 5.21 | 3.54 | 45.80 | ppb |
| Silicon | 28-1 | 1626.79 | 1932.10 | 1744.39 | 1767.76 | 8.71 | ppb |
| Silver | 107-1 | 0.79 | 0.89 | 0.82 | 0.83 | 6.17 | ppb |
| Silver | 109-1 | 0.78 | 0.89 | 0.75 | 0.81 | 8.89 | ppb |
| Sodium | 23-2 | 349.29 | 344.06 | 345.25 | 346.20 | 0.79 | ppb |
| Strontium | 86-1 | 137.39 | 162.02 | 141.36 | 146.92 | 9.00 | ppb |
| Strontium | 88-1 | 145.56 | 168.78 | 151.85 | 155.39 | 7.73 | ppb |
| Sulfur | 34-1 | -1763.68 | -985.89 | -1659.41 | -1469.66 | | ppb |
| Terbium | 159-1 | | | | 99 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 0.35 | 0.43 | 0.37 | 0.38 | 10.83 | ppb |
| Thallium | 205-1 | 0.36 | 0.41 | 0.35 | 0.37 | 8.31 | ppb |
| Tin | 118-1 | 1.74 | 2.24 | 1.97 | 1.98 | 12.47 | ppb |
| Titanium | 47-1 | 1082.15 | 1258.48 | 1145.65 | 1162.09 | 7.69 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-01 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE450 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:37:53 | DataFile Name : | 060SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.43 | 1.70 | 1.56 | 1.56 | 8.57 | ppb |
| Vanadium | 51-2 | 158.82 | 159.51 | 159.41 | 159.25 | 0.23 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 108 | | % |
| Zinc | 66-2 | 277.34 | 277.67 | 275.35 | 276.79 | 0.45 | ppb |
| Zirconium | 90-1 | 11.67 | 14.05 | 12.39 | 12.70 | 9.60 | ppb |
| Zirconium | 91-1 | 11.88 | 14.24 | 12.33 | 12.82 | 9.76 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-02 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE451 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:41:00 | DataFile Name : | 061SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 37473.82 | 37868.33 | 37285.70 | 37542.62 | 0.79 | ppb |
| Antimony | 121-1 | 2.22 | 2.27 | 2.32 | 2.27 | 2.20 | ppb |
| Arsenic | 75-2 | 87.71 | 87.36 | 86.83 | 87.30 | 0.51 | ppb |
| Barium | 135-1 | 385.40 | 385.79 | 389.40 | 386.86 | 0.57 | ppb |
| Barium | 137-1 | 382.66 | 387.11 | 390.78 | 386.85 | 1.05 | ppb |
| Beryllium | 9-1 | 1.49 | 1.46 | 1.59 | 1.51 | 4.76 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.20 | 2.59 | 2.16 | 2.32 | 10.33 | ppb |
| Cadmium | 106-1 | 2.21 | 2.07 | 1.68 | 1.99 | 13.87 | ppb |
| Cadmium | 111-1 | 1.88 | 1.86 | 2.02 | 1.92 | 4.59 | ppb |
| Calcium | 43-1 | 11020.01 | 11572.13 | 11085.89 | 11226.01 | 2.69 | ppb |
| Calcium | 44-1 | 10731.88 | 11182.38 | 10717.41 | 10877.23 | 2.43 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 92.63 | 92.37 | 92.36 | 92.45 | 0.16 | ppb |
| Cobalt | 59-2 | 42.15 | 41.45 | 40.73 | 41.44 | 1.70 | ppb |
| Copper | 63-2 | 261.31 | 260.10 | 258.54 | 259.98 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 87193.53 | 86205.86 | 85349.28 | 86249.56 | 1.07 | ppb |
| Iron | 57-2 | 84585.27 | 84882.33 | 83720.86 | 84396.16 | 0.71 | ppb |
| Iron | 54-2 | 85978.15 | 86071.20 | 85018.09 | 85689.15 | 0.68 | ppb |
| Krypton | 83-1 | | | | | | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-02 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE451 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:41:00 | DataFile Name : | 061SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 63.10 | 63.82 | 63.97 | 63.63 | 0.73 | ppb |
| Lead | 207-1 | 61.72 | 62.12 | 63.23 | 62.35 | 1.25 | ppb |
| Lead | 208-1 | 61.93 | 62.40 | 63.18 | 62.50 | 1.01 | ppb |
| Lithium | 6-1 | | | | 94 | | % |
| Magnesium | 24-2 | 17091.63 | 17309.40 | 17430.30 | 17277.11 | 0.99 | ppb |
| Manganese | 55-2 | 2026.16 | 2059.35 | 2010.30 | 2031.94 | 1.23 | ppb |
| Molybdenum | 94-1 | 20.28 | 20.67 | 20.50 | 20.48 | 0.96 | ppb |
| Molybdenum | 95-1 | 2.12 | 2.16 | 2.23 | 2.17 | 2.63 | ppb |
| Molybdenum | 96-1 | 4.49 | 4.64 | 4.58 | 4.57 | 1.65 | ppb |
| Molybdenum | 97-1 | 2.10 | 2.06 | 2.22 | 2.13 | 3.91 | ppb |
| Molybdenum | 98-1 | 2.08 | 2.12 | 2.11 | 2.11 | 0.97 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 77.13 | 77.96 | 76.91 | 77.34 | 0.72 | ppb |
| Phosphorus | 31-2 | 3183.74 | 3176.03 | 3154.43 | 3171.40 | 0.48 | ppb |
| Potassium | 39-2 | 12997.73 | 12804.32 | 12761.61 | 12854.55 | 0.98 | ppb |
| Rhodium | 103-1 | | | | 99 | | % |
| Rhodium | 103-2 | | | | 99 | | % |
| Scandium | 45-1 | | | | 103 | | % |
| Scandium | 45-2 | | | | 104 | | % |
| Selenium | 82-1 | 1.29 | 1.70 | 1.75 | 1.58 | 16.14 | ppb |
| Selenium | 77-2 | 13.58 | 10.92 | 10.61 | 11.70 | 13.98 | ppb |
| Selenium | 78-2 | 4.82 | 3.66 | 2.88 | 3.78 | 25.78 | ppb |
| Silicon | 28-1 | 1869.61 | 2012.89 | 1954.28 | 1945.59 | 3.70 | ppb |
| Silver | 107-1 | 0.56 | 0.59 | 0.58 | 0.58 | 3.37 | ppb |
| Silver | 109-1 | 0.57 | 0.57 | 0.60 | 0.58 | 2.69 | ppb |
| Sodium | 23-2 | 275.68 | 274.49 | 271.82 | 274.00 | 0.72 | ppb |
| Strontium | 86-1 | 95.09 | 95.59 | 96.64 | 95.77 | 0.83 | ppb |
| Strontium | 88-1 | 98.09 | 101.21 | 101.40 | 100.23 | 1.86 | ppb |
| Sulfur | 34-1 | -1906.60 | -1923.22 | -2168.21 | -1999.34 | | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 0.36 | 0.36 | 0.36 | 0.36 | 0.79 | ppb |
| Thallium | 205-1 | 0.36 | 0.37 | 0.39 | 0.37 | 4.14 | ppb |
| Tin | 118-1 | 1.97 | 2.03 | 2.07 | 2.02 | 2.39 | ppb |
| Titanium | 47-1 | 989.49 | 1035.87 | 1012.81 | 1012.72 | 2.29 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-02 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE451 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:41:00 | DataFile Name : | 061SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.23 | 1.26 | 1.31 | 1.27 | 3.31 | ppb |
| Vanadium | 51-2 | 156.05 | 155.61 | 155.11 | 155.59 | 0.30 | ppb |
| Yttrium | 89-1 | | | | 106 | | % |
| Yttrium | 89-2 | | | | 108 | | % |
| Zinc | 66-2 | 278.82 | 282.90 | 276.55 | 279.42 | 1.15 | ppb |
| Zirconium | 90-1 | 11.12 | 11.60 | 11.35 | 11.36 | 2.11 | ppb |
| Zirconium | 91-1 | 11.32 | 11.22 | 11.38 | 11.31 | 0.74 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-03 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE452 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:44:12 | DataFile Name : | 062SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 42005.94 | 42301.74 | 42706.24 | 42337.97 | 0.83 | ppb |
| Antimony | 121-1 | 2.00 | 2.03 | 2.13 | 2.05 | 3.21 | ppb |
| Arsenic | 75-2 | 107.48 | 107.82 | 113.68 | 109.66 | 3.18 | ppb |
| Barium | 135-1 | 497.46 | 513.83 | 545.41 | 518.90 | 4.70 | ppb |
| Barium | 137-1 | 495.08 | 510.72 | 541.43 | 515.74 | 4.57 | ppb |
| Beryllium | 9-1 | 1.88 | 1.60 | 1.65 | 1.71 | 8.82 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 3.24 | 2.15 | 2.05 | 2.48 | 26.72 | ppb |
| Cadmium | 106-1 | 3.12 | 2.14 | 2.69 | 2.65 | 18.49 | ppb |
| Cadmium | 111-1 | 1.84 | 1.97 | 2.04 | 1.95 | 5.17 | ppb |
| Calcium | 43-1 | 21571.30 | 21654.07 | 23487.23 | 22237.53 | 4.87 | ppb |
| Calcium | 44-1 | 20564.12 | 21312.12 | 22913.47 | 21596.57 | 5.56 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 92.36 | 93.11 | 93.92 | 93.13 | 0.84 | ppb |
| Cobalt | 59-2 | 42.90 | 43.27 | 43.87 | 43.35 | 1.13 | ppb |
| Copper | 63-2 | 276.83 | 280.62 | 283.38 | 280.28 | 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 | | | | 102 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 102 | | % |
| Iron | 56-2 | 84663.49 | 84859.20 | 85752.92 | 85091.87 | 0.68 | ppb |
| Iron | 57-2 | 83308.30 | 83936.77 | 84575.07 | 83940.05 | 0.75 | ppb |
| Iron | 54-2 | 83850.95 | 83799.93 | 84817.06 | 84155.98 | 0.68 | ppb |
| Krypton | 83-1 | | | | | | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-03 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE452 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:44:12 | DataFile Name : | 062SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 66.12 | 67.16 | 72.01 | 68.43 | 4.59 | ppb |
| Lead | 207-1 | 63.65 | 64.90 | 70.48 | 66.34 | 5.48 | ppb |
| Lead | 208-1 | 64.40 | 64.97 | 69.97 | 66.45 | 4.61 | ppb |
| Lithium | 6-1 | | | | 94 | | % |
| Magnesium | 24-2 | 19917.02 | 19980.16 | 20347.90 | 20081.70 | 1.16 | ppb |
| Manganese | 55-2 | 2687.80 | 2643.79 | 2705.26 | 2678.95 | 1.18 | ppb |
| Molybdenum | 94-1 | 21.34 | 21.64 | 23.17 | 22.05 | 4.45 | ppb |
| Molybdenum | 95-1 | 1.63 | 1.70 | 1.82 | 1.72 | 5.49 | ppb |
| Molybdenum | 96-1 | 4.21 | 4.29 | 4.71 | 4.40 | 6.04 | ppb |
| Molybdenum | 97-1 | 1.65 | 1.78 | 1.88 | 1.77 | 6.52 | ppb |
| Molybdenum | 98-1 | 1.58 | 1.72 | 1.70 | 1.66 | 4.43 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 85.02 | 84.07 | 85.72 | 84.94 | 0.98 | ppb |
| Phosphorus | 31-2 | 2164.51 | 2196.52 | 2193.99 | 2185.01 | 0.81 | ppb |
| Potassium | 39-2 | 10817.29 | 10599.72 | 10833.06 | 10750.02 | 1.21 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 102 | | % |
| Scandium | 45-2 | | | | 105 | | % |
| Selenium | 82-1 | 1.76 | 1.56 | 2.63 | 1.98 | 28.86 | ppb |
| Selenium | 77-2 | 13.64 | 13.49 | 17.30 | 14.81 | 14.56 | ppb |
| Selenium | 78-2 | 2.57 | 1.33 | 3.55 | 2.48 | 44.66 | ppb |
| Silicon | 28-1 | 1668.73 | 1685.56 | 1833.36 | 1729.21 | 5.24 | ppb |
| Silver | 107-1 | 0.69 | 0.73 | 0.74 | 0.72 | 3.74 | ppb |
| Silver | 109-1 | 0.71 | 0.74 | 0.79 | 0.75 | 4.89 | ppb |
| Sodium | 23-2 | 396.48 | 395.30 | 405.52 | 399.10 | 1.40 | ppb |
| Strontium | 86-1 | 106.18 | 109.35 | 115.67 | 110.40 | 4.37 | ppb |
| Strontium | 88-1 | 111.16 | 117.49 | 121.22 | 116.62 | 4.36 | ppb |
| Sulfur | 34-1 | -2257.12 | -2274.76 | -1857.66 | -2129.84 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.37 | 0.37 | 0.41 | 0.39 | 6.31 | ppb |
| Thallium | 205-1 | 0.35 | 0.36 | 0.41 | 0.38 | 7.81 | ppb |
| Tin | 118-1 | 1.81 | 1.85 | 2.01 | 1.89 | 5.78 | ppb |
| Titanium | 47-1 | 942.71 | 957.48 | 1042.48 | 980.89 | 5.49 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-03 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE452 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:44:12 | DataFile Name : | 062SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.03 | 1.02 | 1.10 | 1.05 | 3.89 | ppb |
| Vanadium | 51-2 | 151.06 | 151.73 | 152.32 | 151.70 | 0.42 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 109 | | % |
| Zinc | 66-2 | 243.62 | 247.54 | 248.41 | 246.52 | 1.03 | ppb |
| Zirconium | 90-1 | 12.20 | 12.72 | 13.33 | 12.75 | 4.44 | ppb |
| Zirconium | 91-1 | 12.24 | 12.71 | 13.35 | 12.77 | 4.34 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-07 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE454 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:47:21 | DataFile Name : | 063SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 35759.09 | 35713.17 | 35660.11 | 35710.79 | 0.14 | ppb |
| Antimony | 121-1 | 2.02 | 2.11 | 2.03 | 2.05 | 2.27 | ppb |
| Arsenic | 75-2 | 71.44 | 73.01 | 69.76 | 71.41 | 2.27 | ppb |
| Barium | 135-1 | 336.61 | 353.26 | 360.85 | 350.24 | 3.54 | ppb |
| Barium | 137-1 | 339.38 | 353.33 | 354.63 | 349.11 | 2.42 | ppb |
| Beryllium | 9-1 | 1.21 | 1.10 | 1.34 | 1.21 | 9.70 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.09 | 2.01 | 2.82 | 2.31 | 19.25 | ppb |
| Cadmium | 106-1 | 2.39 | 1.08 | 1.25 | 1.57 | 45.43 | ppb |
| Cadmium | 111-1 | 1.50 | 1.45 | 1.49 | 1.48 | 1.85 | ppb |
| Calcium | 43-1 | 13613.58 | 13606.76 | 13687.58 | 13635.97 | 0.33 | ppb |
| Calcium | 44-1 | 13060.05 | 13273.85 | 13332.65 | 13222.18 | 1.08 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 86.09 | 86.14 | 85.18 | 85.80 | 0.63 | ppb |
| Cobalt | 59-2 | 38.46 | 38.49 | 38.65 | 38.53 | 0.27 | ppb |
| Copper | 63-2 | 221.46 | 220.88 | 220.24 | 220.86 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 77819.27 | 78350.26 | 77900.13 | 78023.22 | 0.37 | ppb |
| Iron | 57-2 | 76590.19 | 77475.11 | 76976.01 | 77013.77 | 0.58 | ppb |
| Iron | 54-2 | 78007.34 | 77498.24 | 77508.96 | 77671.51 | 0.37 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-07 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE454 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:47:21 | DataFile Name : | 063SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 47.36 | 47.69 | 48.85 | 47.97 | 1.63 | ppb |
| Lead | 207-1 | 47.02 | 46.25 | 47.00 | 46.75 | 0.94 | ppb |
| Lead | 208-1 | 46.58 | 46.29 | 47.01 | 46.63 | 0.77 | ppb |
| Lithium | 6-1 | | | | 96 | | % |
| Magnesium | 24-2 | 16302.44 | 16038.24 | 16293.60 | 16211.42 | 0.93 | ppb |
| Manganese | 55-2 | 1872.42 | 1891.46 | 1878.02 | 1880.63 | 0.52 | ppb |
| Molybdenum | 94-1 | 15.48 | 15.64 | 15.37 | 15.50 | 0.88 | ppb |
| Molybdenum | 95-1 | 2.10 | 2.13 | 2.06 | 2.10 | 1.64 | ppb |
| Molybdenum | 96-1 | 4.00 | 3.82 | 4.04 | 3.95 | 2.97 | ppb |
| Molybdenum | 97-1 | 2.02 | 2.18 | 2.12 | 2.11 | 3.90 | ppb |
| Molybdenum | 98-1 | 2.02 | 1.95 | 2.04 | 2.01 | 2.22 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 67.35 | 68.39 | 68.02 | 67.92 | 0.78 | ppb |
| Phosphorus | 31-2 | 3046.37 | 3062.09 | 3060.61 | 3056.36 | 0.28 | ppb |
| Potassium | 39-2 | 12956.74 | 13139.88 | 13101.69 | 13066.10 | 0.74 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 99 | | % |
| Scandium | 45-1 | | | | 103 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 1.23 | 1.78 | 1.07 | 1.36 | 27.42 | ppb |
| Selenium | 77-2 | 17.15 | 12.07 | 12.89 | 14.04 | 19.45 | ppb |
| Selenium | 78-2 | 1.66 | 3.30 | 1.87 | 2.27 | 39.25 | ppb |
| Silicon | 28-1 | 1381.35 | 1389.27 | 1400.24 | 1390.29 | 0.68 | ppb |
| Silver | 107-1 | 0.55 | 0.55 | 0.55 | 0.55 | 0.43 | ppb |
| Silver | 109-1 | 0.52 | 0.53 | 0.58 | 0.54 | 5.82 | ppb |
| Sodium | 23-2 | 354.00 | 352.45 | 350.57 | 352.34 | 0.49 | ppb |
| Strontium | 86-1 | 92.37 | 92.51 | 94.52 | 93.13 | 1.29 | ppb |
| Strontium | 88-1 | 94.99 | 95.53 | 97.87 | 96.13 | 1.59 | ppb |
| Sulfur | 34-1 | -1746.10 | -1972.03 | -1959.92 | -1892.68 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.30 | 0.33 | 0.31 | 0.31 | 3.32 | ppb |
| Thallium | 205-1 | 0.28 | 0.30 | 0.29 | 0.29 | 2.35 | ppb |
| Tin | 118-1 | 1.96 | 1.99 | 2.11 | 2.02 | 3.95 | ppb |
| Titanium | 47-1 | 943.52 | 930.41 | 935.75 | 936.56 | 0.70 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-07 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE454 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:47:21 | DataFile Name : | 063SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.05 | 1.04 | 1.04 | 1.05 | 0.50 | ppb |
| Vanadium | 51-2 | 144.80 | 144.55 | 144.26 | 144.54 | 0.19 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 264.37 | 265.97 | 261.18 | 263.84 | 0.92 | ppb |
| Zirconium | 90-1 | 8.21 | 8.46 | 8.54 | 8.40 | 2.09 | ppb |
| Zirconium | 91-1 | 8.42 | 8.41 | 8.56 | 8.46 | 1.02 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-08 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE455 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:50:33 | DataFile Name : | 064SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 33760.57 | 33828.94 | 33762.22 | 33783.91 | 0.12 | ppb |
| Antimony | 121-1 | 1.68 | 1.76 | 1.81 | 1.75 | 3.78 | ppb |
| Arsenic | 75-2 | 68.00 | 65.33 | 66.97 | 66.77 | 2.02 | ppb |
| Barium | 135-1 | 357.71 | 370.78 | 366.67 | 365.05 | 1.83 | ppb |
| Barium | 137-1 | 353.97 | 365.84 | 366.67 | 362.16 | 1.96 | ppb |
| Beryllium | 9-1 | 1.28 | 1.22 | 1.26 | 1.26 | 2.31 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.60 | 1.37 | 2.35 | 1.77 | 28.72 | ppb |
| Cadmium | 106-1 | 1.18 | 1.05 | -0.15 | 0.69 | 106.12 | ppb |
| Cadmium | 111-1 | 1.36 | 1.49 | 1.39 | 1.41 | 4.89 | ppb |
| Calcium | 43-1 | 25162.59 | 25272.93 | 25564.48 | 25333.34 | 0.82 | ppb |
| Calcium | 44-1 | 24339.90 | 24695.79 | 24486.54 | 24507.41 | 0.73 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 77.81 | 77.64 | 78.79 | 78.08 | 0.79 | ppb |
| Cobalt | 59-2 | 36.42 | 35.90 | 36.15 | 36.16 | 0.72 | ppb |
| Copper | 63-2 | 203.79 | 203.38 | 204.93 | 204.04 | 0.39 | 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 | | | | 102 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 71417.23 | 72210.45 | 71562.62 | 71730.10 | 0.59 | ppb |
| Iron | 57-2 | 71208.21 | 71224.17 | 70844.95 | 71092.44 | 0.30 | ppb |
| Iron | 54-2 | 71301.45 | 71075.57 | 71136.25 | 71171.09 | 0.16 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-08 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE455 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:50:33 | DataFile Name : | 064SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 47.05 | 46.73 | 47.91 | 47.23 | 1.28 | ppb |
| Lead | 207-1 | 44.88 | 46.04 | 45.96 | 45.63 | 1.41 | ppb |
| Lead | 208-1 | 45.64 | 45.70 | 46.40 | 45.91 | 0.91 | ppb |
| Lithium | 6-1 | | | | 95 | | % |
| Magnesium | 24-2 | 17830.64 | 17733.09 | 17923.09 | 17828.94 | 0.53 | ppb |
| Manganese | 55-2 | 1756.99 | 1748.17 | 1784.92 | 1763.36 | 1.09 | ppb |
| Molybdenum | 94-1 | 7.24 | 7.44 | 7.20 | 7.29 | 1.74 | ppb |
| Molybdenum | 95-1 | 2.13 | 2.07 | 2.03 | 2.08 | 2.50 | ppb |
| Molybdenum | 96-1 | 2.99 | 2.93 | 3.10 | 3.01 | 2.98 | ppb |
| Molybdenum | 97-1 | 2.04 | 2.05 | 2.08 | 2.06 | 0.97 | ppb |
| Molybdenum | 98-1 | 1.95 | 2.01 | 2.05 | 2.00 | 2.56 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 69.32 | 69.46 | 69.75 | 69.51 | 0.31 | ppb |
| Phosphorus | 31-2 | 2989.24 | 3080.04 | 3088.74 | 3052.67 | 1.81 | ppb |
| Potassium | 39-2 | 13162.64 | 13128.49 | 13353.86 | 13214.99 | 0.92 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 0.60 | 0.88 | 0.75 | 0.74 | 18.96 | ppb |
| Selenium | 77-2 | 13.77 | 12.97 | 11.37 | 12.70 | 9.62 | ppb |
| Selenium | 78-2 | 3.65 | 1.59 | 2.04 | 2.43 | 44.59 | ppb |
| Silicon | 28-1 | 1535.13 | 1524.17 | 1561.66 | 1540.32 | 1.25 | ppb |
| Silver | 107-1 | 0.46 | 0.43 | 0.45 | 0.44 | 3.33 | ppb |
| Silver | 109-1 | 0.43 | 0.43 | 0.45 | 0.44 | 2.09 | ppb |
| Sodium | 23-2 | 1294.09 | 1291.10 | 1295.68 | 1293.63 | 0.18 | ppb |
| Strontium | 86-1 | 164.49 | 165.13 | 165.44 | 165.02 | 0.29 | ppb |
| Strontium | 88-1 | 172.57 | 171.80 | 175.56 | 173.31 | 1.15 | ppb |
| Sulfur | 34-1 | -1318.68 | -1466.51 | -1296.65 | -1360.61 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.27 | 0.24 | 0.29 | 0.27 | 8.40 | ppb |
| Thallium | 205-1 | 0.28 | 0.27 | 0.26 | 0.27 | 3.17 | ppb |
| Tin | 118-1 | 1.82 | 1.89 | 1.86 | 1.86 | 1.75 | ppb |
| Titanium | 47-1 | 915.46 | 925.22 | 931.18 | 923.96 | 0.86 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-08 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE455 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:50:33 | DataFile Name : | 064SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.95 | 0.96 | 0.97 | 0.96 | 0.73 | ppb |
| Vanadium | 51-2 | 135.66 | 135.40 | 135.80 | 135.62 | 0.15 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 244.88 | 245.41 | 248.22 | 246.17 | 0.73 | ppb |
| Zirconium | 90-1 | 3.30 | 3.38 | 3.37 | 3.35 | 1.31 | ppb |
| Zirconium | 91-1 | 3.44 | 3.34 | 3.43 | 3.41 | 1.66 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-09 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE456 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:53:41 | DataFile Name : | 065SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 34280.51 | 33869.03 | 34368.81 | 34172.78 | 0.78 | ppb |
| Antimony | 121-1 | 1.66 | 1.70 | 1.82 | 1.73 | 4.86 | ppb |
| Arsenic | 75-2 | 68.09 | 65.15 | 66.13 | 66.46 | 2.25 | ppb |
| Barium | 135-1 | 238.43 | 239.22 | 241.01 | 239.55 | 0.55 | ppb |
| Barium | 137-1 | 233.42 | 238.39 | 243.01 | 238.27 | 2.01 | ppb |
| Beryllium | 9-1 | 0.88 | 0.84 | 0.80 | 0.84 | 4.76 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.51 | 1.63 | 1.19 | 1.45 | 15.56 | ppb |
| Cadmium | 106-1 | 2.53 | 1.54 | 1.38 | 1.82 | 34.37 | ppb |
| Cadmium | 111-1 | 1.13 | 0.80 | 0.93 | 0.96 | 17.37 | ppb |
| Calcium | 43-1 | 23410.22 | 24084.89 | 24816.12 | 24103.74 | 2.92 | ppb |
| Calcium | 44-1 | 23096.94 | 23059.12 | 24340.18 | 23498.75 | 3.10 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 97.34 | 96.11 | 96.12 | 96.53 | 0.73 | ppb |
| Cobalt | 59-2 | 45.18 | 45.09 | 45.02 | 45.10 | 0.17 | ppb |
| Copper | 63-2 | 178.82 | 178.68 | 179.21 | 178.90 | 0.15 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 85070.62 | 84309.50 | 84690.66 | 84690.26 | 0.45 | ppb |
| Iron | 57-2 | 83529.36 | 82555.55 | 82502.46 | 82862.46 | 0.70 | ppb |
| Iron | 54-2 | 84243.65 | 84289.69 | 83684.96 | 84072.77 | 0.40 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-09 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE456 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:53:41 | DataFile Name : | 065SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 37.36 | 38.93 | 39.09 | 38.46 | 2.49 | ppb |
| Lead | 207-1 | 35.23 | 37.14 | 36.76 | 36.38 | 2.78 | ppb |
| Lead | 208-1 | 35.49 | 37.89 | 37.36 | 36.91 | 3.41 | ppb |
| Lithium | 6-1 | | | | 98 | | % |
| Magnesium | 24-2 | 22794.37 | 22532.83 | 22864.79 | 22730.66 | 0.77 | ppb |
| Manganese | 55-2 | 1625.43 | 1613.35 | 1593.59 | 1610.79 | 1.00 | ppb |
| Molybdenum | 94-1 | 14.95 | 15.27 | 15.58 | 15.27 | 2.03 | ppb |
| Molybdenum | 95-1 | 1.26 | 1.18 | 1.29 | 1.25 | 4.56 | ppb |
| Molybdenum | 96-1 | 3.14 | 3.15 | 3.28 | 3.19 | 2.47 | ppb |
| Molybdenum | 97-1 | 1.28 | 1.26 | 1.30 | 1.28 | 1.51 | ppb |
| Molybdenum | 98-1 | 1.21 | 1.14 | 1.19 | 1.18 | 3.13 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 88.98 | 89.98 | 89.66 | 89.54 | 0.57 | ppb |
| Phosphorus | 31-2 | 2048.50 | 2082.77 | 2017.05 | 2049.44 | 1.60 | ppb |
| Potassium | 39-2 | 9752.93 | 9627.78 | 9828.85 | 9736.52 | 1.04 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 104 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 1.44 | 1.48 | 0.85 | 1.25 | 27.95 | ppb |
| Selenium | 77-2 | 11.37 | 7.34 | 9.38 | 9.36 | 21.50 | ppb |
| Selenium | 78-2 | -0.87 | 1.61 | 0.80 | 0.51 | 247.71 | ppb |
| Silicon | 28-1 | 1203.53 | 1264.94 | 1295.24 | 1254.57 | 3.72 | ppb |
| Silver | 107-1 | 0.34 | 0.31 | 0.34 | 0.33 | 5.41 | ppb |
| Silver | 109-1 | 0.30 | 0.32 | 0.35 | 0.32 | 6.63 | ppb |
| Sodium | 23-2 | 429.55 | 430.31 | 432.65 | 430.83 | 0.37 | ppb |
| Strontium | 86-1 | 93.66 | 95.75 | 97.17 | 95.53 | 1.85 | ppb |
| Strontium | 88-1 | 97.67 | 100.16 | 100.20 | 99.34 | 1.46 | ppb |
| Sulfur | 34-1 | -1943.30 | -1820.95 | -1625.36 | -1796.54 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.18 | 0.21 | 0.21 | 0.20 | 8.58 | ppb |
| Thallium | 205-1 | 0.18 | 0.19 | 0.19 | 0.18 | 2.99 | ppb |
| Tin | 118-1 | 1.32 | 1.31 | 1.26 | 1.30 | 2.67 | ppb |
| Titanium | 47-1 | 863.68 | 905.39 | 924.93 | 898.00 | 3.48 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-09 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE456 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:53:41 | DataFile Name : | 065SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.65 | 0.69 | 0.68 | 0.67 | 3.37 | ppb |
| Vanadium | 51-2 | 187.89 | 188.14 | 188.03 | 188.02 | 0.07 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | 172.04 | 171.10 | 172.02 | 171.72 | 0.31 | ppb |
| Zirconium | 90-1 | 8.65 | 8.62 | 8.89 | 8.72 | 1.71 | ppb |
| Zirconium | 91-1 | 8.51 | 8.72 | 8.86 | 8.70 | 1.99 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-10 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE457 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:56:52 | DataFile Name : | 066SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 40907.73 | 40896.92 | 40734.66 | 40846.44 | 0.24 | ppb |
| Antimony | 121-1 | 2.84 | 2.82 | 3.02 | 2.90 | 3.80 | ppb |
| Arsenic | 75-2 | 125.47 | 123.22 | 128.38 | 125.69 | 2.06 | ppb |
| Barium | 135-1 | 435.28 | 451.00 | 472.93 | 453.07 | 4.17 | ppb |
| Barium | 137-1 | 430.33 | 446.22 | 471.43 | 449.33 | 4.61 | ppb |
| Beryllium | 9-1 | 1.48 | 1.73 | 1.68 | 1.63 | 8.20 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 3.93 | 3.59 | 3.06 | 3.53 | 12.36 | ppb |
| Cadmium | 106-1 | 3.16 | 3.49 | 2.48 | 3.04 | 16.91 | ppb |
| Cadmium | 111-1 | 2.36 | 2.30 | 2.59 | 2.42 | 6.42 | ppb |
| Calcium | 43-1 | 8174.44 | 8485.42 | 8980.62 | 8546.83 | 4.76 | ppb |
| Calcium | 44-1 | 7850.50 | 8148.06 | 8589.10 | 8195.89 | 4.53 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 97.58 | 97.04 | 96.78 | 97.13 | 0.42 | ppb |
| Cobalt | 59-2 | 50.43 | 51.18 | 51.02 | 50.88 | 0.77 | ppb |
| Copper | 63-2 | 342.00 | 346.94 | 343.42 | 344.12 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 96488.88 | 97610.70 | 97271.61 | 97123.73 | 0.59 | ppb |
| Iron | 57-2 | 94561.95 | 96268.64 | 95812.58 | 95547.72 | 0.92 | ppb |
| Iron | 54-2 | 95623.47 | 97300.70 | 96634.17 | 96519.45 | 0.87 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-10 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE457 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:56:52 | DataFile Name : | 066SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 77.57 | 80.21 | 83.84 | 80.54 | 3.91 | ppb |
| Lead | 207-1 | 76.47 | 77.35 | 83.46 | 79.09 | 4.81 | ppb |
| Lead | 208-1 | 76.53 | 78.24 | 83.22 | 79.33 | 4.39 | ppb |
| Lithium | 6-1 | | | | 99 | | % |
| Magnesium | 24-2 | 18731.78 | 18836.32 | 18898.17 | 18822.09 | 0.45 | ppb |
| Manganese | 55-2 | 2393.04 | 2453.28 | 2407.41 | 2417.91 | 1.30 | ppb |
| Molybdenum | 94-1 | 31.59 | 33.15 | 35.23 | 33.32 | 5.47 | ppb |
| Molybdenum | 95-1 | 1.78 | 1.95 | 1.99 | 1.91 | 5.78 | ppb |
| Molybdenum | 96-1 | 5.54 | 5.64 | 6.17 | 5.78 | 5.86 | ppb |
| Molybdenum | 97-1 | 1.80 | 2.05 | 1.91 | 1.92 | 6.47 | ppb |
| Molybdenum | 98-1 | 1.80 | 1.90 | 2.02 | 1.91 | 5.83 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 96.57 | 97.11 | 98.50 | 97.39 | 1.02 | ppb |
| Phosphorus | 31-2 | 2318.75 | 2381.14 | 2343.19 | 2347.69 | 1.34 | ppb |
| Potassium | 39-2 | 13096.95 | 13277.09 | 13278.33 | 13217.46 | 0.79 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 99 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 1.79 | 0.30 | 1.61 | 1.23 | 66.14 | ppb |
| Selenium | 77-2 | 13.36 | 17.05 | 20.54 | 16.98 | 21.16 | ppb |
| Selenium | 78-2 | 2.78 | 3.12 | 2.94 | 2.95 | 5.79 | ppb |
| Silicon | 28-1 | 1429.91 | 1467.26 | 1588.13 | 1495.10 | 5.53 | ppb |
| Silver | 107-1 | 0.77 | 0.76 | 0.84 | 0.79 | 4.98 | ppb |
| Silver | 109-1 | 0.71 | 0.74 | 0.80 | 0.75 | 5.98 | ppb |
| Sodium | 23-2 | 195.39 | 195.97 | 195.31 | 195.55 | 0.18 | ppb |
| Strontium | 86-1 | 81.93 | 85.16 | 89.87 | 85.65 | 4.66 | ppb |
| Strontium | 88-1 | 82.71 | 85.65 | 90.27 | 86.21 | 4.42 | ppb |
| Sulfur | 34-1 | -2188.33 | -2304.52 | -1846.10 | -2112.98 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.35 | 0.38 | 0.41 | 0.38 | 8.81 | ppb |
| Thallium | 205-1 | 0.37 | 0.38 | 0.43 | 0.40 | 8.01 | ppb |
| Tin | 118-1 | 1.44 | 1.46 | 1.60 | 1.50 | 5.85 | ppb |
| Titanium | 47-1 | 885.70 | 914.38 | 967.57 | 922.55 | 4.50 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-10 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE457 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:56:52 | DataFile Name : | 066SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.23 | 1.27 | 1.35 | 1.29 | 4.83 | ppb |
| Vanadium | 51-2 | 174.47 | 176.00 | 175.17 | 175.21 | 0.44 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 294.39 | 295.10 | 295.82 | 295.10 | 0.24 | ppb |
| Zirconium | 90-1 | 18.30 | 19.12 | 20.39 | 19.27 | 5.46 | ppb |
| Zirconium | 91-1 | 18.35 | 19.09 | 19.94 | 19.13 | 4.14 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-11 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE458 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:00:01 | DataFile Name : | 067SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 33431.35 | 33295.51 | 33177.85 | 33301.57 | 0.38 | ppb |
| Antimony | 121-1 | 2.29 | 2.27 | 2.21 | 2.26 | 1.83 | ppb |
| Arsenic | 75-2 | 80.78 | 80.20 | 78.88 | 79.95 | 1.22 | ppb |
| Barium | 135-1 | 384.30 | 388.57 | 393.35 | 388.74 | 1.17 | ppb |
| Barium | 137-1 | 385.36 | 387.50 | 388.61 | 387.16 | 0.43 | ppb |
| Beryllium | 9-1 | 1.33 | 1.18 | 1.25 | 1.25 | 6.05 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.47 | 2.06 | 1.87 | 2.14 | 14.36 | ppb |
| Cadmium | 106-1 | 1.08 | 1.98 | 1.84 | 1.64 | 29.66 | ppb |
| Cadmium | 111-1 | 1.84 | 1.93 | 1.89 | 1.88 | 2.38 | ppb |
| Calcium | 43-1 | 19863.36 | 20494.13 | 20196.94 | 20184.81 | 1.56 | ppb |
| Calcium | 44-1 | 19266.28 | 19520.89 | 19851.82 | 19546.33 | 1.50 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 81.83 | 82.39 | 81.37 | 81.86 | 0.62 | ppb |
| Cobalt | 59-2 | 44.65 | 44.77 | 44.55 | 44.65 | 0.25 | ppb |
| Copper | 63-2 | 261.41 | 262.14 | 259.39 | 260.98 | 0.55 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 104 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 78378.27 | 78180.76 | 77568.79 | 78042.61 | 0.54 | ppb |
| Iron | 57-2 | 75588.25 | 76976.69 | 75131.76 | 75898.90 | 1.27 | ppb |
| Iron | 54-2 | 77624.63 | 76870.92 | 76577.85 | 77024.47 | 0.70 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-11 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE458 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:00:01 | DataFile Name : | 067SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 62.11 | 62.95 | 60.95 | 62.00 | 1.61 | ppb |
| Lead | 207-1 | 60.11 | 60.91 | 59.82 | 60.28 | 0.93 | ppb |
| Lead | 208-1 | 60.75 | 61.43 | 60.00 | 60.73 | 1.18 | ppb |
| Lithium | 6-1 | | | | 102 | | % |
| Magnesium | 24-2 | 16896.03 | 16736.18 | 16622.95 | 16751.72 | 0.82 | ppb |
| Manganese | 55-2 | 2128.97 | 2132.53 | 2127.49 | 2129.67 | 0.12 | ppb |
| Molybdenum | 94-1 | 14.44 | 14.38 | 14.76 | 14.53 | 1.39 | ppb |
| Molybdenum | 95-1 | 1.94 | 1.99 | 2.07 | 2.00 | 3.31 | ppb |
| Molybdenum | 96-1 | 3.61 | 3.76 | 3.87 | 3.75 | 3.56 | ppb |
| Molybdenum | 97-1 | 1.91 | 1.93 | 1.86 | 1.90 | 1.94 | ppb |
| Molybdenum | 98-1 | 1.94 | 2.01 | 1.92 | 1.96 | 2.47 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 71.28 | 72.34 | 71.82 | 71.81 | 0.74 | ppb |
| Phosphorus | 31-2 | 4511.60 | 4549.42 | 4542.33 | 4534.45 | 0.44 | ppb |
| Potassium | 39-2 | 12713.48 | 12899.03 | 12641.78 | 12751.43 | 1.04 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 99 | | % |
| Scandium | 45-1 | | | | 103 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 0.66 | 2.31 | 2.13 | 1.70 | 53.31 | ppb |
| Selenium | 77-2 | 17.33 | 13.49 | 13.95 | 14.92 | 14.04 | ppb |
| Selenium | 78-2 | 1.27 | 1.04 | 2.79 | 1.70 | 56.08 | ppb |
| Silicon | 28-1 | 1570.02 | 1617.78 | 1586.40 | 1591.40 | 1.53 | ppb |
| Silver | 107-1 | 0.75 | 0.76 | 0.76 | 0.76 | 0.44 | ppb |
| Silver | 109-1 | 0.72 | 0.76 | 0.79 | 0.75 | 4.88 | ppb |
| Sodium | 23-2 | 301.14 | 299.11 | 299.64 | 299.97 | 0.35 | ppb |
| Strontium | 86-1 | 179.19 | 180.20 | 183.97 | 181.12 | 1.39 | ppb |
| Strontium | 88-1 | 186.46 | 190.32 | 191.32 | 189.37 | 1.36 | ppb |
| Sulfur | 34-1 | -1764.67 | -1825.86 | -1791.57 | -1794.03 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.30 | 0.30 | 0.30 | 0.30 | 1.55 | ppb |
| Thallium | 205-1 | 0.28 | 0.31 | 0.31 | 0.30 | 5.17 | ppb |
| Tin | 118-1 | 1.66 | 1.76 | 1.69 | 1.70 | 3.02 | ppb |
| Titanium | 47-1 | 769.78 | 787.66 | 778.99 | 778.81 | 1.15 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-11 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE458 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:00:01 | DataFile Name : | 067SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.07 | 1.05 | 1.08 | 1.07 | 1.49 | ppb |
| Vanadium | 51-2 | 144.62 | 145.52 | 143.27 | 144.47 | 0.79 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 107 | | % |
| Zinc | 66-2 | 297.78 | 296.86 | 292.26 | 295.63 | 1.00 | ppb |
| Zirconium | 90-1 | 7.73 | 7.83 | 7.91 | 7.82 | 1.14 | ppb |
| Zirconium | 91-1 | 7.73 | 7.63 | 8.06 | 7.81 | 2.84 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-12 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE459 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:03:12 | DataFile Name : | 068SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 38724.15 | 38508.37 | 37949.21 | 38393.91 | 1.04 | ppb |
| Antimony | 121-1 | 2.75 | 2.82 | 2.91 | 2.83 | 2.91 | ppb |
| Arsenic | 75-2 | 112.61 | 110.37 | 111.20 | 111.39 | 1.01 | ppb |
| Barium | 135-1 | 436.03 | 443.04 | 450.61 | 443.23 | 1.65 | ppb |
| Barium | 137-1 | 432.33 | 445.08 | 448.55 | 441.99 | 1.93 | ppb |
| Beryllium | 9-1 | 1.35 | 1.55 | 1.50 | 1.47 | 7.19 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.13 | 3.08 | 3.54 | 2.92 | 24.64 | ppb |
| Cadmium | 106-1 | 1.99 | 2.26 | 1.29 | 1.85 | 27.18 | ppb |
| Cadmium | 111-1 | 2.48 | 2.45 | 2.41 | 2.45 | 1.38 | ppb |
| Calcium | 43-1 | 17606.36 | 18196.58 | 18440.34 | 18081.10 | 2.37 | ppb |
| Calcium | 44-1 | 17033.04 | 17369.17 | 17739.26 | 17380.49 | 2.03 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 94.87 | 95.28 | 93.92 | 94.69 | 0.74 | ppb |
| Cobalt | 59-2 | 46.45 | 46.95 | 46.64 | 46.68 | 0.54 | ppb |
| Copper | 63-2 | 348.51 | 346.94 | 347.36 | 347.61 | 0.23 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 92330.94 | 90365.39 | 90563.50 | 91086.61 | 1.19 | ppb |
| Iron | 57-2 | 91226.89 | 89266.14 | 89192.45 | 89895.16 | 1.28 | ppb |
| Iron | 54-2 | 91809.90 | 90816.39 | 90473.89 | 91033.39 | 0.76 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-12 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE459 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:03:12 | DataFile Name : | 068SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 73.93 | 76.68 | 77.07 | 75.89 | 2.26 | ppb |
| Lead | 207-1 | 72.43 | 75.66 | 75.17 | 74.42 | 2.34 | ppb |
| Lead | 208-1 | 72.56 | 75.81 | 75.52 | 74.63 | 2.41 | ppb |
| Lithium | 6-1 | | | | 102 | | % |
| Magnesium | 24-2 | 17912.61 | 18262.92 | 18201.89 | 18125.80 | 1.03 | ppb |
| Manganese | 55-2 | 2372.67 | 2369.37 | 2369.30 | 2370.45 | 0.08 | ppb |
| Molybdenum | 94-1 | 18.58 | 18.76 | 19.28 | 18.87 | 1.94 | ppb |
| Molybdenum | 95-1 | 1.75 | 1.81 | 1.84 | 1.80 | 2.68 | ppb |
| Molybdenum | 96-1 | 3.94 | 4.00 | 4.09 | 4.01 | 1.87 | ppb |
| Molybdenum | 97-1 | 1.70 | 1.76 | 1.81 | 1.76 | 3.13 | ppb |
| Molybdenum | 98-1 | 1.67 | 1.73 | 1.81 | 1.74 | 4.04 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 89.97 | 88.31 | 88.25 | 88.84 | 1.10 | ppb |
| Phosphorus | 31-2 | 3951.26 | 3866.17 | 3968.38 | 3928.60 | 1.39 | ppb |
| Potassium | 39-2 | 14478.97 | 14476.30 | 14538.91 | 14498.06 | 0.24 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 102 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 2.39 | 1.63 | 1.94 | 1.99 | 19.26 | ppb |
| Selenium | 77-2 | 13.15 | 16.47 | 19.54 | 16.39 | 19.49 | ppb |
| Selenium | 78-2 | 1.57 | 3.12 | 1.67 | 2.12 | 40.84 | ppb |
| Silicon | 28-1 | 1613.82 | 1644.56 | 1712.49 | 1656.96 | 3.05 | ppb |
| Silver | 107-1 | 0.75 | 0.75 | 0.75 | 0.75 | 0.29 | ppb |
| Silver | 109-1 | 0.72 | 0.75 | 0.74 | 0.73 | 1.81 | ppb |
| Sodium | 23-2 | 511.90 | 512.61 | 507.01 | 510.51 | 0.60 | ppb |
| Strontium | 86-1 | 116.46 | 119.86 | 121.59 | 119.30 | 2.19 | ppb |
| Strontium | 88-1 | 120.82 | 125.11 | 127.11 | 124.35 | 2.59 | ppb |
| Sulfur | 34-1 | -1741.60 | -1750.80 | -1700.58 | -1730.99 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.38 | 0.38 | 0.40 | 0.39 | 2.29 | ppb |
| Thallium | 205-1 | 0.36 | 0.39 | 0.38 | 0.38 | 5.08 | ppb |
| Tin | 118-1 | 1.74 | 1.72 | 1.79 | 1.75 | 2.17 | ppb |
| Titanium | 47-1 | 835.38 | 851.28 | 878.88 | 855.18 | 2.57 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-12 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE459 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:03:12 | DataFile Name : | 068SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.16 | 1.18 | 1.15 | 1.16 | 1.40 | ppb |
| Vanadium | 51-2 | 166.22 | 164.23 | 165.57 | 165.34 | 0.62 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 324.16 | 327.08 | 322.85 | 324.70 | 0.67 | ppb |
| Zirconium | 90-1 | 10.16 | 10.56 | 10.67 | 10.47 | 2.55 | ppb |
| Zirconium | 91-1 | 10.37 | 10.53 | 10.61 | 10.51 | 1.16 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-13 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE460 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:06:21 | DataFile Name : | 069SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 32460.22 | 32519.75 | 31876.92 | 32285.63 | 1.10 | ppb |
| Antimony | 121-1 | 2.01 | 1.94 | 2.03 | 1.99 | 2.47 | ppb |
| Arsenic | 75-2 | 65.79 | 68.23 | 68.11 | 67.38 | 2.04 | ppb |
| Barium | 135-1 | 353.96 | 358.80 | 363.79 | 358.85 | 1.37 | ppb |
| Barium | 137-1 | 350.94 | 360.53 | 361.93 | 357.80 | 1.67 | ppb |
| Beryllium | 9-1 | 1.35 | 1.11 | 1.24 | 1.23 | 9.50 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.52 | 2.61 | 2.65 | 2.59 | 2.56 | ppb |
| Cadmium | 106-1 | 1.10 | 1.93 | 1.94 | 1.66 | 28.98 | ppb |
| Cadmium | 111-1 | 1.97 | 2.06 | 1.98 | 2.00 | 2.43 | ppb |
| Calcium | 43-1 | 21456.95 | 21132.93 | 21688.98 | 21426.29 | 1.30 | ppb |
| Calcium | 44-1 | 20471.58 | 20554.20 | 20930.32 | 20652.03 | 1.18 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 73.54 | 74.26 | 73.60 | 73.80 | 0.54 | ppb |
| Cobalt | 59-2 | 34.94 | 35.17 | 35.03 | 35.05 | 0.33 | ppb |
| Copper | 63-2 | 269.31 | 271.24 | 268.51 | 269.69 | 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 | | | | 102 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 67612.98 | 67652.35 | 67267.17 | 67510.83 | 0.31 | ppb |
| Iron | 57-2 | 66377.75 | 66568.48 | 66142.07 | 66362.77 | 0.32 | ppb |
| Iron | 54-2 | 67335.24 | 66832.30 | 66742.43 | 66969.99 | 0.48 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-13 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE460 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:06:21 | DataFile Name : | 069SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 56.33 | 58.72 | 57.93 | 57.66 | 2.11 | ppb |
| Lead | 207-1 | 55.81 | 56.83 | 57.97 | 56.87 | 1.90 | ppb |
| Lead | 208-1 | 55.78 | 57.40 | 57.20 | 56.79 | 1.56 | ppb |
| Lithium | 6-1 | | | | 100 | | % |
| Magnesium | 24-2 | 15703.13 | 15513.41 | 15522.16 | 15579.57 | 0.69 | ppb |
| Manganese | 55-2 | 1836.43 | 1869.33 | 1813.03 | 1839.59 | 1.54 | ppb |
| Molybdenum | 94-1 | 12.66 | 12.73 | 12.82 | 12.74 | 0.65 | ppb |
| Molybdenum | 95-1 | 1.66 | 1.55 | 1.63 | 1.62 | 3.66 | ppb |
| Molybdenum | 96-1 | 3.15 | 3.15 | 3.29 | 3.20 | 2.57 | ppb |
| Molybdenum | 97-1 | 1.60 | 1.65 | 1.58 | 1.61 | 2.19 | ppb |
| Molybdenum | 98-1 | 1.57 | 1.58 | 1.60 | 1.58 | 0.97 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 65.88 | 66.29 | 66.21 | 66.13 | 0.32 | ppb |
| Phosphorus | 31-2 | 3876.46 | 3879.49 | 3928.25 | 3894.74 | 0.75 | ppb |
| Potassium | 39-2 | 12161.41 | 12335.30 | 12403.76 | 12300.16 | 1.02 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 99 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 1.45 | 1.04 | 1.66 | 1.38 | 22.92 | ppb |
| Selenium | 77-2 | 11.18 | 19.07 | 10.76 | 13.67 | 34.24 | ppb |
| Selenium | 78-2 | 2.02 | 0.55 | 1.95 | 1.51 | 54.80 | ppb |
| Silicon | 28-1 | 1693.64 | 1686.45 | 1756.68 | 1712.25 | 2.26 | ppb |
| Silver | 107-1 | 0.68 | 0.70 | 0.70 | 0.69 | 1.17 | ppb |
| Silver | 109-1 | 0.68 | 0.68 | 0.70 | 0.69 | 1.51 | ppb |
| Sodium | 23-2 | 510.60 | 509.79 | 508.83 | 509.74 | 0.17 | ppb |
| Strontium | 86-1 | 158.53 | 160.20 | 161.90 | 160.21 | 1.05 | ppb |
| Strontium | 88-1 | 169.15 | 167.55 | 165.47 | 167.39 | 1.10 | ppb |
| Sulfur | 34-1 | -1282.54 | -1436.26 | -1335.02 | -1351.27 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.27 | 0.33 | 0.29 | 0.30 | 10.17 | ppb |
| Thallium | 205-1 | 0.28 | 0.32 | 0.30 | 0.30 | 6.19 | ppb |
| Tin | 118-1 | 1.90 | 2.01 | 2.04 | 1.98 | 3.75 | ppb |
| Titanium | 47-1 | 821.49 | 812.35 | 829.98 | 821.27 | 1.07 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-13 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE460 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:06:21 | DataFile Name : | 069SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.99 | 1.03 | 0.99 | 1.00 | 2.02 | ppb |
| Vanadium | 51-2 | 119.32 | 119.43 | 119.32 | 119.36 | 0.05 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 280.31 | 283.99 | 282.02 | 282.11 | 0.65 | ppb |
| Zirconium | 90-1 | 6.91 | 6.93 | 7.10 | 6.98 | 1.54 | ppb |
| Zirconium | 91-1 | 6.84 | 7.18 | 7.40 | 7.14 | 3.96 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-14 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE461 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:09:33 | DataFile Name : | 070SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 29708.75 | 29537.03 | 29333.64 | 29526.47 | 0.64 | ppb |
| Antimony | 121-1 | 2.83 | 2.82 | 2.66 | 2.77 | 3.39 | ppb |
| Arsenic | 75-2 | 78.50 | 78.60 | 77.13 | 78.08 | 1.06 | ppb |
| Barium | 135-1 | 312.51 | 310.51 | 300.29 | 307.77 | 2.13 | ppb |
| Barium | 137-1 | 300.09 | 305.75 | 305.09 | 303.64 | 1.02 | ppb |
| Beryllium | 9-1 | 1.08 | 0.95 | 1.25 | 1.09 | 13.67 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.05 | 1.93 | 2.67 | 2.22 | 18.08 | ppb |
| Cadmium | 106-1 | 1.45 | 1.13 | 0.88 | 1.16 | 24.74 | ppb |
| Cadmium | 111-1 | 1.57 | 1.59 | 1.50 | 1.55 | 3.23 | ppb |
| Calcium | 43-1 | 9587.90 | 10344.33 | 10535.88 | 10156.04 | 4.94 | ppb |
| Calcium | 44-1 | 9620.95 | 9866.21 | 10106.55 | 9864.57 | 2.46 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 72.03 | 72.08 | 72.00 | 72.03 | 0.06 | ppb |
| Cobalt | 59-2 | 34.54 | 34.43 | 34.51 | 34.49 | 0.16 | ppb |
| Copper | 63-2 | 211.12 | 210.21 | 211.29 | 210.87 | 0.28 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 106 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 73016.80 | 72164.49 | 72412.28 | 72531.19 | 0.60 | ppb |
| Iron | 57-2 | 70957.20 | 72043.79 | 71370.96 | 71457.32 | 0.77 | ppb |
| Iron | 54-2 | 72571.59 | 71803.24 | 71672.73 | 72015.85 | 0.67 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-14 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE461 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:09:33 | DataFile Name : | 070SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 53.12 | 53.99 | 55.20 | 54.10 | 1.93 | ppb |
| Lead | 207-1 | 49.90 | 53.42 | 56.61 | 53.31 | 6.30 | ppb |
| Lead | 208-1 | 50.53 | 52.93 | 54.59 | 52.68 | 3.88 | ppb |
| Lithium | 6-1 | | | | 99 | | % |
| Magnesium | 24-2 | 14231.59 | 14133.36 | 13994.34 | 14119.77 | 0.84 | ppb |
| Manganese | 55-2 | 1773.08 | 1741.01 | 1749.92 | 1754.67 | 0.94 | ppb |
| Molybdenum | 94-1 | 14.51 | 15.10 | 15.34 | 14.98 | 2.86 | ppb |
| Molybdenum | 95-1 | 1.73 | 1.80 | 1.77 | 1.77 | 2.17 | ppb |
| Molybdenum | 96-1 | 3.57 | 3.55 | 3.60 | 3.57 | 0.78 | ppb |
| Molybdenum | 97-1 | 1.68 | 1.78 | 1.71 | 1.72 | 3.18 | ppb |
| Molybdenum | 98-1 | 1.72 | 1.71 | 1.73 | 1.72 | 0.50 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 63.73 | 62.98 | 62.87 | 63.20 | 0.74 | ppb |
| Phosphorus | 31-2 | 3204.45 | 3182.05 | 3158.33 | 3181.61 | 0.72 | ppb |
| Potassium | 39-2 | 9657.64 | 9724.39 | 9829.36 | 9737.13 | 0.89 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 1.59 | 1.35 | 1.64 | 1.53 | 10.31 | ppb |
| Selenium | 77-2 | 12.27 | 14.00 | 8.23 | 11.50 | 25.74 | ppb |
| Selenium | 78-2 | 3.12 | 1.85 | 2.68 | 2.55 | 25.40 | ppb |
| Silicon | 28-1 | 1280.89 | 1388.35 | 1374.88 | 1348.04 | 4.34 | ppb |
| Silver | 107-1 | 0.60 | 0.63 | 0.59 | 0.61 | 2.86 | ppb |
| Silver | 109-1 | 0.58 | 0.60 | 0.61 | 0.60 | 2.34 | ppb |
| Sodium | 23-2 | 199.78 | 197.52 | 196.97 | 198.09 | 0.75 | ppb |
| Strontium | 86-1 | 89.11 | 93.07 | 94.66 | 92.28 | 3.10 | ppb |
| Strontium | 88-1 | 89.71 | 91.91 | 93.00 | 91.54 | 1.83 | ppb |
| Sulfur | 34-1 | -2140.49 | -1839.98 | -1833.41 | -1937.96 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.22 | 0.25 | 0.28 | 0.25 | 11.79 | ppb |
| Thallium | 205-1 | 0.25 | 0.27 | 0.27 | 0.26 | 5.78 | ppb |
| Tin | 118-1 | 1.59 | 1.66 | 1.62 | 1.62 | 2.03 | ppb |
| Titanium | 47-1 | 683.55 | 749.08 | 749.66 | 727.43 | 5.22 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-14 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE461 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:09:33 | DataFile Name : | 070SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.85 | 0.90 | 0.96 | 0.90 | 5.93 | ppb |
| Vanadium | 51-2 | 128.96 | 128.83 | 128.89 | 128.89 | 0.05 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | 249.85 | 249.54 | 247.23 | 248.87 | 0.58 | ppb |
| Zirconium | 90-1 | 8.37 | 8.53 | 8.54 | 8.48 | 1.14 | ppb |
| Zirconium | 91-1 | 7.90 | 8.74 | 8.72 | 8.45 | 5.65 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-15 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE462 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:12:43 | DataFile Name : | 071SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 46341.80 | 47227.86 | 47421.49 | 46997.05 | 1.22 | ppb |
| Antimony | 121-1 | 3.23 | 3.65 | 3.28 | 3.39 | 6.72 | ppb |
| Arsenic | 75-2 | 85.74 | 87.79 | 86.62 | 86.72 | 1.19 | ppb |
| Barium | 135-1 | 359.39 | 411.25 | 374.07 | 381.57 | 7.01 | ppb |
| Barium | 137-1 | 357.68 | 412.02 | 371.12 | 380.27 | 7.44 | ppb |
| Beryllium | 9-1 | 1.63 | 1.68 | 1.57 | 1.62 | 3.40 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.11 | 2.84 | 2.09 | 2.35 | 18.28 | ppb |
| Cadmium | 106-1 | 2.62 | 2.12 | 2.16 | 2.30 | 12.00 | ppb |
| Cadmium | 111-1 | 0.99 | 1.04 | 0.90 | 0.98 | 7.55 | ppb |
| Calcium | 43-1 | 29861.44 | 33104.32 | 30660.09 | 31208.62 | 5.41 | ppb |
| Calcium | 44-1 | 28829.46 | 31880.78 | 29277.18 | 29995.81 | 5.49 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 90.03 | 90.10 | 91.01 | 90.38 | 0.60 | ppb |
| Cobalt | 59-2 | 50.85 | 51.22 | 50.74 | 50.94 | 0.50 | ppb |
| Copper | 63-2 | 185.96 | 185.44 | 187.29 | 186.23 | 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 | | | | 101 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 98556.04 | 97278.35 | 99685.73 | 98506.71 | 1.22 | ppb |
| Iron | 57-2 | 95935.74 | 97465.80 | 97289.26 | 96896.93 | 0.86 | ppb |
| Iron | 54-2 | 97351.87 | 98229.61 | 98470.58 | 98017.35 | 0.60 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-15 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE462 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:12:43 | DataFile Name : | 071SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 46.14 | 52.78 | 48.18 | 49.03 | 6.94 | ppb |
| Lead | 207-1 | 45.41 | 51.99 | 47.17 | 48.19 | 7.08 | ppb |
| Lead | 208-1 | 45.58 | 51.87 | 47.21 | 48.22 | 6.77 | ppb |
| Lithium | 6-1 | | | | 98 | | % |
| Magnesium | 24-2 | 25598.99 | 26117.81 | 26446.96 | 26054.59 | 1.64 | ppb |
| Manganese | 55-2 | 1949.45 | 1961.00 | 1976.63 | 1962.36 | 0.70 | ppb |
| Molybdenum | 94-1 | 41.07 | 45.31 | 42.08 | 42.82 | 5.18 | ppb |
| Molybdenum | 95-1 | 2.00 | 2.16 | 2.07 | 2.07 | 3.81 | ppb |
| Molybdenum | 96-1 | 6.62 | 7.19 | 6.89 | 6.90 | 4.09 | ppb |
| Molybdenum | 97-1 | 1.87 | 2.20 | 2.07 | 2.05 | 8.19 | ppb |
| Molybdenum | 98-1 | 1.86 | 2.13 | 1.93 | 1.97 | 7.04 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 123.19 | 123.27 | 125.10 | 123.85 | 0.88 | ppb |
| Phosphorus | 31-2 | 3470.63 | 3521.40 | 3562.45 | 3518.16 | 1.31 | ppb |
| Potassium | 39-2 | 8083.19 | 8058.73 | 8124.02 | 8088.65 | 0.41 | ppb |
| Rhodium | 103-1 | | | | 94 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 99 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 1.07 | 0.39 | 1.45 | 0.97 | 55.62 | ppb |
| Selenium | 77-2 | 14.42 | 16.71 | 13.60 | 14.91 | 10.82 | ppb |
| Selenium | 78-2 | 3.02 | 1.65 | 1.99 | 2.22 | 32.27 | ppb |
| Silicon | 28-1 | 1526.56 | 1684.60 | 1567.15 | 1592.77 | 5.15 | ppb |
| Silver | 107-1 | 0.33 | 0.40 | 0.36 | 0.36 | 9.06 | ppb |
| Silver | 109-1 | 0.33 | 0.37 | 0.32 | 0.34 | 7.68 | ppb |
| Sodium | 23-2 | 1891.88 | 1896.06 | 1919.02 | 1902.32 | 0.77 | ppb |
| Strontium | 86-1 | 500.58 | 556.69 | 515.23 | 524.17 | 5.55 | ppb |
| Strontium | 88-1 | 524.43 | 584.46 | 542.09 | 550.33 | 5.61 | ppb |
| Sulfur | 34-1 | -1973.04 | -1415.43 | -1907.84 | -1765.44 | | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.25 | 0.27 | 0.27 | 0.26 | 5.00 | ppb |
| Thallium | 205-1 | 0.25 | 0.29 | 0.27 | 0.27 | 8.02 | ppb |
| Tin | 118-1 | 1.59 | 1.81 | 1.69 | 1.70 | 6.37 | ppb |
| Titanium | 47-1 | 1844.74 | 2016.88 | 1857.65 | 1906.42 | 5.03 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-15 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE462 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:12:43 | DataFile Name : | 071SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.16 | 1.34 | 1.19 | 1.23 | 7.74 | ppb |
| Vanadium | 51-2 | 194.01 | 194.99 | 198.56 | 195.86 | 1.22 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 210.96 | 211.37 | 213.59 | 211.98 | 0.67 | ppb |
| Zirconium | 90-1 | 23.87 | 26.40 | 24.59 | 24.95 | 5.24 | ppb |
| Zirconium | 91-1 | 24.09 | 26.47 | 24.89 | 25.15 | 4.81 | ppb |

Reviewed By:Mohan
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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-16 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE463 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:15:53 | DataFile Name : | 072SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 42946.12 | 43098.15 | 43478.89 | 43174.38 | 0.64 | ppb |
| Antimony | 121-1 | 1.65 | 1.62 | 1.58 | 1.62 | 2.20 | ppb |
| Arsenic | 75-2 | 73.66 | 75.87 | 74.87 | 74.80 | 1.48 | ppb |
| Barium | 135-1 | 217.61 | 217.79 | 215.59 | 216.99 | 0.56 | ppb |
| Barium | 137-1 | 215.48 | 220.15 | 221.22 | 218.95 | 1.40 | ppb |
| Beryllium | 9-1 | 0.72 | 0.92 | 0.84 | 0.83 | 12.27 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.20 | 2.34 | 1.29 | 1.61 | 39.37 | ppb |
| Cadmium | 106-1 | 2.10 | 1.25 | 0.46 | 1.27 | 64.70 | ppb |
| Cadmium | 111-1 | 0.84 | 0.64 | 0.88 | 0.79 | 16.03 | ppb |
| Calcium | 43-1 | 18371.92 | 18207.33 | 17880.12 | 18153.13 | 1.38 | ppb |
| Calcium | 44-1 | 17270.36 | 17238.40 | 17345.23 | 17284.66 | 0.32 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 135.65 | 135.41 | 136.74 | 135.93 | 0.52 | ppb |
| Cobalt | 59-2 | 56.52 | 55.22 | 56.76 | 56.17 | 1.47 | ppb |
| Copper | 63-2 | 230.30 | 232.14 | 235.28 | 232.58 | 1.08 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 100 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 91905.81 | 91675.21 | 93215.85 | 92265.62 | 0.90 | ppb |
| Iron | 57-2 | 90158.61 | 89385.41 | 90674.37 | 90072.80 | 0.72 | ppb |
| Iron | 54-2 | 92016.96 | 91114.45 | 91552.69 | 91561.37 | 0.49 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-16 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE463 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:15:53 | DataFile Name : | 072SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 28.31 | 29.12 | 29.00 | 28.81 | 1.51 | ppb |
| Lead | 207-1 | 27.26 | 28.43 | 28.87 | 28.19 | 2.96 | ppb |
| Lead | 208-1 | 28.10 | 29.17 | 28.48 | 28.58 | 1.90 | ppb |
| Lithium | 6-1 | | | | 99 | | % |
| Magnesium | 24-2 | 28568.56 | 28704.68 | 29113.49 | 28795.58 | 0.98 | ppb |
| Manganese | 55-2 | 1811.71 | 1802.50 | 1833.00 | 1815.74 | 0.86 | ppb |
| Molybdenum | 94-1 | 14.18 | 14.30 | 14.17 | 14.22 | 0.52 | ppb |
| Molybdenum | 95-1 | 0.78 | 0.84 | 0.82 | 0.81 | 3.40 | ppb |
| Molybdenum | 96-1 | 2.70 | 2.81 | 2.88 | 2.80 | 3.27 | ppb |
| Molybdenum | 97-1 | 0.86 | 0.86 | 0.88 | 0.87 | 1.07 | ppb |
| Molybdenum | 98-1 | 0.78 | 0.83 | 0.82 | 0.81 | 3.68 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 116.41 | 116.96 | 117.73 | 117.03 | 0.57 | ppb |
| Phosphorus | 31-2 | 1647.56 | 1667.85 | 1656.58 | 1657.33 | 0.61 | ppb |
| Potassium | 39-2 | 7881.82 | 7812.77 | 7983.84 | 7892.81 | 1.09 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 0.25 | 1.56 | 1.06 | 0.96 | 68.86 | ppb |
| Selenium | 77-2 | 8.15 | 10.04 | 7.18 | 8.46 | 17.23 | ppb |
| Selenium | 78-2 | 2.53 | 0.97 | 2.61 | 2.04 | 45.44 | ppb |
| Silicon | 28-1 | 1351.15 | 1373.25 | 1318.82 | 1347.74 | 2.03 | ppb |
| Silver | 107-1 | 0.34 | 0.35 | 0.34 | 0.35 | 1.97 | ppb |
| Silver | 109-1 | 0.35 | 0.33 | 0.35 | 0.35 | 3.15 | ppb |
| Sodium | 23-2 | 464.96 | 469.66 | 472.41 | 469.01 | 0.80 | ppb |
| Strontium | 86-1 | 69.10 | 71.48 | 71.95 | 70.84 | 2.16 | ppb |
| Strontium | 88-1 | 71.17 | 74.28 | 73.18 | 72.87 | 2.17 | ppb |
| Sulfur | 34-1 | -1852.99 | -1845.67 | -1933.24 | -1877.30 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.16 | 0.16 | 0.15 | 0.15 | 4.13 | ppb |
| Thallium | 205-1 | 0.15 | 0.16 | 0.16 | 0.15 | 4.63 | ppb |
| Tin | 118-1 | 1.24 | 1.24 | 1.20 | 1.23 | 2.04 | ppb |
| Titanium | 47-1 | 879.06 | 897.26 | 883.79 | 886.70 | 1.06 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-16 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE463 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:15:53 | DataFile Name : | 072SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.54 | 0.54 | 0.56 | 0.55 | 2.23 | ppb |
| Vanadium | 51-2 | 194.96 | 196.36 | 198.67 | 196.66 | 0.95 | ppb |
| Yttrium | 89-1 | | | | 101 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | 168.08 | 168.34 | 168.72 | 168.38 | 0.19 | ppb |
| Zirconium | 90-1 | 7.86 | 8.19 | 8.10 | 8.05 | 2.13 | ppb |
| Zirconium | 91-1 | 7.86 | 8.16 | 8.36 | 8.12 | 3.09 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-17 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE464 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:19:05 | DataFile Name : | 073SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 39718.45 | 39209.96 | 39915.67 | 39614.69 | 0.92 | ppb |
| Antimony | 121-1 | 2.43 | 2.70 | 2.49 | 2.54 | 5.62 | ppb |
| Arsenic | 75-2 | 114.80 | 115.90 | 113.66 | 114.79 | 0.97 | ppb |
| Barium | 135-1 | 434.46 | 485.51 | 442.65 | 454.20 | 6.04 | ppb |
| Barium | 137-1 | 429.94 | 479.11 | 443.51 | 450.85 | 5.63 | ppb |
| Beryllium | 9-1 | 1.43 | 1.46 | 1.55 | 1.48 | 4.02 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.46 | 2.14 | 1.90 | 2.16 | 13.01 | ppb |
| Cadmium | 106-1 | 2.37 | 1.69 | 0.74 | 1.60 | 51.20 | ppb |
| Cadmium | 111-1 | 1.45 | 1.70 | 1.44 | 1.53 | 9.49 | ppb |
| Calcium | 43-1 | 23142.72 | 25387.09 | 24109.44 | 24213.08 | 4.65 | ppb |
| Calcium | 44-1 | 22081.11 | 24521.41 | 22903.02 | 23168.51 | 5.36 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 93.04 | 92.15 | 92.51 | 92.56 | 0.49 | ppb |
| Cobalt | 59-2 | 40.99 | 40.54 | 40.56 | 40.70 | 0.62 | ppb |
| Copper | 63-2 | 228.50 | 226.64 | 226.34 | 227.16 | 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 | | | | 101 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 90670.68 | 89679.84 | 90434.80 | 90261.78 | 0.57 | ppb |
| Iron | 57-2 | 89043.89 | 88822.94 | 88698.46 | 88855.10 | 0.20 | ppb |
| Iron | 54-2 | 90131.80 | 89567.15 | 90043.38 | 89914.11 | 0.34 | ppb |
| Krypton | 83-1 | | | | | | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-17 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE464 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:19:05 | DataFile Name : | 073SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 51.83 | 57.97 | 54.17 | 54.66 | 5.68 | ppb |
| Lead | 207-1 | 50.10 | 56.67 | 52.61 | 53.13 | 6.24 | ppb |
| Lead | 208-1 | 50.44 | 56.49 | 52.93 | 53.29 | 5.70 | ppb |
| Lithium | 6-1 | | | | 99 | | % |
| Magnesium | 24-2 | 20212.44 | 19968.41 | 20107.36 | 20096.07 | 0.61 | ppb |
| Manganese | 55-2 | 2470.84 | 2421.66 | 2466.03 | 2452.84 | 1.11 | ppb |
| Molybdenum | 94-1 | 18.04 | 20.21 | 18.69 | 18.98 | 5.86 | ppb |
| Molybdenum | 95-1 | 2.23 | 2.48 | 2.22 | 2.31 | 6.35 | ppb |
| Molybdenum | 96-1 | 4.32 | 4.82 | 4.52 | 4.56 | 5.55 | ppb |
| Molybdenum | 97-1 | 2.34 | 2.51 | 2.22 | 2.35 | 6.08 | ppb |
| Molybdenum | 98-1 | 2.12 | 2.40 | 2.21 | 2.25 | 6.40 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 84.16 | 83.46 | 84.28 | 83.97 | 0.52 | ppb |
| Phosphorus | 31-2 | 2762.47 | 2699.41 | 2746.21 | 2736.03 | 1.20 | ppb |
| Potassium | 39-2 | 11945.07 | 11620.55 | 11732.70 | 11766.11 | 1.40 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 1.10 | 1.83 | 1.42 | 1.45 | 25.22 | ppb |
| Selenium | 77-2 | 12.21 | 13.84 | 16.08 | 14.04 | 13.81 | ppb |
| Selenium | 78-2 | 1.68 | 1.48 | 2.75 | 1.97 | 34.76 | ppb |
| Silicon | 28-1 | 1544.80 | 1703.55 | 1626.51 | 1624.96 | 4.89 | ppb |
| Silver | 107-1 | 0.64 | 0.74 | 0.68 | 0.69 | 7.00 | ppb |
| Silver | 109-1 | 0.67 | 0.75 | 0.65 | 0.69 | 7.77 | ppb |
| Sodium | 23-2 | 1495.21 | 1484.54 | 1489.26 | 1489.67 | 0.36 | ppb |
| Strontium | 86-1 | 157.52 | 174.46 | 163.61 | 165.20 | 5.19 | ppb |
| Strontium | 88-1 | 167.44 | 183.05 | 170.79 | 173.76 | 4.73 | ppb |
| Sulfur | 34-1 | -1216.82 | -720.45 | -1185.90 | -1041.06 | | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.37 | 0.36 | 0.36 | 0.36 | 1.88 | ppb |
| Thallium | 205-1 | 0.35 | 0.38 | 0.36 | 0.36 | 3.84 | ppb |
| Tin | 118-1 | 2.13 | 2.59 | 2.26 | 2.33 | 10.12 | ppb |
| Titanium | 47-1 | 849.06 | 932.72 | 883.60 | 888.46 | 4.73 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-17 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE464 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:19:05 | DataFile Name : | 073SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.88 | 0.95 | 0.94 | 0.92 | 4.04 | ppb |
| Vanadium | 51-2 | 168.03 | 166.50 | 168.99 | 167.84 | 0.75 | ppb |
| Yttrium | 89-1 | | | | 101 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | 257.79 | 254.69 | 254.45 | 255.64 | 0.73 | ppb |
| Zirconium | 90-1 | 9.87 | 11.06 | 10.11 | 10.35 | 6.11 | ppb |
| Zirconium | 91-1 | 10.07 | 10.77 | 10.37 | 10.40 | 3.39 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-18 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE465 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:22:16 | DataFile Name : | 074SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 46635.51 | 46286.99 | 46290.20 | 46404.23 | 0.43 | ppb |
| Antimony | 121-1 | 1.45 | 1.53 | 1.57 | 1.52 | 4.04 | ppb |
| Arsenic | 75-2 | 95.24 | 94.89 | 94.68 | 94.94 | 0.30 | ppb |
| Barium | 135-1 | 477.10 | 497.93 | 491.37 | 488.80 | 2.18 | ppb |
| Barium | 137-1 | 474.49 | 495.34 | 490.55 | 486.79 | 2.24 | ppb |
| Beryllium | 9-1 | 1.63 | 1.74 | 1.52 | 1.63 | 6.92 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.41 | 2.39 | 2.99 | 2.60 | 13.12 | ppb |
| Cadmium | 106-1 | 3.00 | 2.46 | 1.35 | 2.27 | 37.07 | ppb |
| Cadmium | 111-1 | 1.54 | 1.63 | 1.37 | 1.52 | 8.68 | ppb |
| Calcium | 43-1 | 27108.11 | 27810.11 | 28109.96 | 27676.06 | 1.86 | ppb |
| Calcium | 44-1 | 25949.39 | 27050.58 | 26861.55 | 26620.51 | 2.21 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 95.68 | 96.70 | 96.09 | 96.16 | 0.53 | ppb |
| Cobalt | 59-2 | 50.28 | 50.36 | 49.99 | 50.21 | 0.39 | ppb |
| Copper | 63-2 | 253.76 | 250.92 | 250.45 | 251.71 | 0.71 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 103 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 92314.82 | 92266.75 | 90796.97 | 91792.85 | 0.94 | ppb |
| Iron | 57-2 | 91825.44 | 90099.01 | 89933.68 | 90619.38 | 1.16 | ppb |
| Iron | 54-2 | 91174.56 | 91323.27 | 90635.97 | 91044.60 | 0.40 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-18 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE465 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:22:16 | DataFile Name : | 074SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 53.58 | 54.04 | 54.66 | 54.09 | 0.99 | ppb |
| Lead | 207-1 | 51.72 | 52.69 | 53.46 | 52.62 | 1.65 | ppb |
| Lead | 208-1 | 52.25 | 53.10 | 53.46 | 52.94 | 1.18 | ppb |
| Lithium | 6-1 | | | | 100 | | % |
| Magnesium | 24-2 | 22671.02 | 22684.93 | 22464.55 | 22606.83 | 0.55 | ppb |
| Manganese | 55-2 | 2575.21 | 2560.42 | 2538.46 | 2558.03 | 0.72 | ppb |
| Molybdenum | 94-1 | 25.27 | 25.68 | 25.71 | 25.56 | 0.96 | ppb |
| Molybdenum | 95-1 | 1.42 | 1.51 | 1.49 | 1.47 | 3.34 | ppb |
| Molybdenum | 96-1 | 4.43 | 4.61 | 4.60 | 4.54 | 2.22 | ppb |
| Molybdenum | 97-1 | 1.46 | 1.55 | 1.48 | 1.50 | 2.99 | ppb |
| Molybdenum | 98-1 | 1.41 | 1.52 | 1.47 | 1.47 | 3.82 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 109.35 | 108.92 | 108.73 | 109.00 | 0.29 | ppb |
| Phosphorus | 31-2 | 3887.73 | 3934.10 | 3971.87 | 3931.23 | 1.07 | ppb |
| Potassium | 39-2 | 11262.07 | 11192.82 | 11103.62 | 11186.17 | 0.71 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 1.61 | 1.07 | 0.95 | 1.21 | 28.90 | ppb |
| Selenium | 77-2 | 16.85 | 17.66 | 15.53 | 16.68 | 6.44 | ppb |
| Selenium | 78-2 | 4.73 | 2.27 | 3.43 | 3.48 | 35.48 | ppb |
| Silicon | 28-1 | 1897.70 | 1947.16 | 1990.32 | 1945.06 | 2.38 | ppb |
| Silver | 107-1 | 0.54 | 0.61 | 0.61 | 0.59 | 6.75 | ppb |
| Silver | 109-1 | 0.59 | 0.59 | 0.60 | 0.59 | 0.50 | ppb |
| Sodium | 23-2 | 444.39 | 440.17 | 442.92 | 442.49 | 0.48 | ppb |
| Strontium | 86-1 | 327.92 | 335.01 | 331.24 | 331.39 | 1.07 | ppb |
| Strontium | 88-1 | 348.52 | 352.79 | 348.06 | 349.79 | 0.75 | ppb |
| Sulfur | 34-1 | -1768.04 | -1734.77 | -1792.10 | -1764.97 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.30 | 0.31 | 0.31 | 0.30 | 1.75 | ppb |
| Thallium | 205-1 | 0.31 | 0.30 | 0.30 | 0.30 | 2.02 | ppb |
| Tin | 118-1 | 1.84 | 2.05 | 1.98 | 1.96 | 5.54 | ppb |
| Titanium | 47-1 | 1103.48 | 1137.39 | 1158.89 | 1133.25 | 2.46 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-18 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE465 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:22:16 | DataFile Name : | 074SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.97 | 1.01 | 0.99 | 0.99 | 1.71 | ppb |
| Vanadium | 51-2 | 171.91 | 171.44 | 170.36 | 171.24 | 0.47 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 241.22 | 240.11 | 237.73 | 239.68 | 0.74 | ppb |
| Zirconium | 90-1 | 14.54 | 14.90 | 14.79 | 14.74 | 1.24 | ppb |
| Zirconium | 91-1 | 14.34 | 15.08 | 15.07 | 14.83 | 2.84 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-19 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE466 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:25:25 | DataFile Name : | 075SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 36111.82 | 36343.16 | 36631.93 | 36362.30 | 0.72 | ppb |
| Antimony | 121-1 | 2.14 | 2.21 | 2.18 | 2.18 | 1.58 | ppb |
| Arsenic | 75-2 | 93.62 | 93.13 | 93.47 | 93.41 | 0.27 | ppb |
| Barium | 135-1 | 371.18 | 380.14 | 384.99 | 378.77 | 1.85 | ppb |
| Barium | 137-1 | 370.82 | 379.25 | 387.52 | 379.20 | 2.20 | ppb |
| Beryllium | 9-1 | 1.37 | 1.42 | 1.50 | 1.43 | 4.57 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.69 | 2.79 | 2.64 | 2.71 | 2.85 | ppb |
| Cadmium | 106-1 | 2.19 | 2.02 | 1.46 | 1.89 | 20.00 | ppb |
| Cadmium | 111-1 | 2.17 | 2.14 | 2.09 | 2.13 | 1.85 | ppb |
| Calcium | 43-1 | 15418.11 | 15616.67 | 15928.05 | 15654.27 | 1.64 | ppb |
| Calcium | 44-1 | 14913.87 | 15268.33 | 15244.94 | 15142.38 | 1.31 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 84.01 | 85.46 | 84.75 | 84.74 | 0.85 | ppb |
| Cobalt | 59-2 | 39.81 | 40.63 | 40.24 | 40.23 | 1.02 | ppb |
| Copper | 63-2 | 309.69 | 314.78 | 314.46 | 312.98 | 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 | | | | 104 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 83664.82 | 83928.84 | 84282.51 | 83958.72 | 0.37 | ppb |
| Iron | 57-2 | 81832.90 | 82601.96 | 82240.97 | 82225.28 | 0.47 | ppb |
| Iron | 54-2 | 83290.88 | 83797.50 | 83815.77 | 83634.72 | 0.36 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-19 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE466 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:25:25 | DataFile Name : | 075SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 64.86 | 66.81 | 65.66 | 65.78 | 1.49 | ppb |
| Lead | 207-1 | 62.81 | 66.08 | 64.11 | 64.34 | 2.56 | ppb |
| Lead | 208-1 | 63.37 | 65.80 | 64.28 | 64.48 | 1.90 | ppb |
| Lithium | 6-1 | | | | 100 | | % |
| Magnesium | 24-2 | 17366.63 | 17335.15 | 17337.82 | 17346.53 | 0.10 | ppb |
| Manganese | 55-2 | 1955.28 | 1955.57 | 1963.07 | 1957.97 | 0.23 | ppb |
| Molybdenum | 94-1 | 16.16 | 16.68 | 16.61 | 16.48 | 1.71 | ppb |
| Molybdenum | 95-1 | 1.58 | 1.72 | 1.59 | 1.63 | 4.75 | ppb |
| Molybdenum | 96-1 | 3.59 | 3.53 | 3.76 | 3.62 | 3.23 | ppb |
| Molybdenum | 97-1 | 1.53 | 1.62 | 1.64 | 1.60 | 3.86 | ppb |
| Molybdenum | 98-1 | 1.57 | 1.57 | 1.55 | 1.56 | 0.51 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 78.68 | 80.00 | 79.63 | 79.44 | 0.86 | ppb |
| Phosphorus | 31-2 | 3047.57 | 3109.44 | 2990.53 | 3049.18 | 1.95 | ppb |
| Potassium | 39-2 | 11622.80 | 11715.61 | 11705.65 | 11681.36 | 0.44 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 1.75 | 2.09 | 1.91 | 1.92 | 8.95 | ppb |
| Selenium | 77-2 | 12.20 | 17.01 | 20.03 | 16.42 | 24.06 | ppb |
| Selenium | 78-2 | 3.46 | 4.67 | 1.88 | 3.34 | 42.04 | ppb |
| Silicon | 28-1 | 1840.58 | 1880.30 | 1918.28 | 1879.72 | 2.07 | ppb |
| Silver | 107-1 | 0.69 | 0.73 | 0.71 | 0.71 | 2.89 | ppb |
| Silver | 109-1 | 0.68 | 0.72 | 0.72 | 0.71 | 3.30 | ppb |
| Sodium | 23-2 | 370.82 | 378.39 | 383.56 | 377.59 | 1.70 | ppb |
| Strontium | 86-1 | 107.98 | 110.05 | 110.39 | 109.47 | 1.19 | ppb |
| Strontium | 88-1 | 112.84 | 117.15 | 116.83 | 115.61 | 2.08 | ppb |
| Sulfur | 34-1 | -1495.24 | -1680.89 | -1477.33 | -1551.16 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.27 | 0.31 | 0.29 | 0.29 | 8.10 | ppb |
| Thallium | 205-1 | 0.30 | 0.33 | 0.29 | 0.31 | 5.87 | ppb |
| Tin | 118-1 | 2.07 | 2.04 | 2.11 | 2.07 | 1.65 | ppb |
| Titanium | 47-1 | 919.70 | 945.86 | 959.89 | 941.82 | 2.17 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-19 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE466 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:25:25 | DataFile Name : | 075SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.02 | 1.12 | 1.02 | 1.05 | 5.29 | ppb |
| Vanadium | 51-2 | 154.63 | 154.64 | 154.70 | 154.66 | 0.02 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | 283.86 | 285.94 | 287.04 | 285.61 | 0.57 | ppb |
| Zirconium | 90-1 | 9.03 | 9.18 | 9.17 | 9.13 | 0.89 | ppb |
| Zirconium | 91-1 | 8.80 | 9.26 | 9.34 | 9.13 | 3.22 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE467 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:28:35 | DataFile Name : | 076SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 39708.53 | 38976.11 | 38878.63 | 39187.75 | 1.16 | ppb |
| Antimony | 121-1 | 1.63 | 1.61 | 1.69 | 1.64 | 2.68 | ppb |
| Arsenic | 75-2 | 90.43 | 90.05 | 89.69 | 90.06 | 0.41 | ppb |
| Barium | 135-1 | 436.78 | 446.69 | 452.17 | 445.21 | 1.75 | ppb |
| Barium | 137-1 | 441.03 | 443.50 | 451.50 | 445.34 | 1.23 | ppb |
| Beryllium | 9-1 | 1.44 | 1.36 | 1.41 | 1.40 | 2.87 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.94 | 1.59 | 1.72 | 1.75 | 10.08 | ppb |
| Cadmium | 106-1 | 0.92 | 2.30 | 1.10 | 1.44 | 52.39 | ppb |
| Cadmium | 111-1 | 1.03 | 1.17 | 1.20 | 1.13 | 7.76 | ppb |
| Calcium | 43-1 | 19793.21 | 20493.24 | 20622.88 | 20303.11 | 2.20 | ppb |
| Calcium | 44-1 | 19006.64 | 19978.10 | 19913.40 | 19632.72 | 2.77 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 87.09 | 84.38 | 85.60 | 85.69 | 1.59 | ppb |
| Cobalt | 59-2 | 40.95 | 40.00 | 40.18 | 40.38 | 1.25 | ppb |
| Copper | 63-2 | 196.26 | 192.68 | 192.52 | 193.82 | 1.09 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 102 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 82233.10 | 80329.92 | 80952.02 | 81171.68 | 1.20 | ppb |
| Iron | 57-2 | 80464.97 | 80354.43 | 79775.73 | 80198.38 | 0.46 | ppb |
| Iron | 54-2 | 80816.36 | 80490.15 | 79730.52 | 80345.68 | 0.69 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE467 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:28:35 | DataFile Name : | 076SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 45.55 | 46.31 | 46.40 | 46.09 | 1.02 | ppb |
| Lead | 207-1 | 43.46 | 44.71 | 44.60 | 44.26 | 1.56 | ppb |
| Lead | 208-1 | 44.05 | 44.92 | 45.00 | 44.65 | 1.17 | ppb |
| Lithium | 6-1 | | | | 97 | | % |
| Magnesium | 24-2 | 17786.72 | 17606.89 | 17660.65 | 17684.75 | 0.52 | ppb |
| Manganese | 55-2 | 2235.06 | 2243.11 | 2226.04 | 2234.74 | 0.38 | ppb |
| Molybdenum | 94-1 | 21.97 | 22.71 | 22.32 | 22.33 | 1.66 | ppb |
| Molybdenum | 95-1 | 1.64 | 1.68 | 1.66 | 1.66 | 1.28 | ppb |
| Molybdenum | 96-1 | 4.16 | 4.32 | 4.48 | 4.32 | 3.73 | ppb |
| Molybdenum | 97-1 | 1.59 | 1.62 | 1.57 | 1.60 | 1.56 | ppb |
| Molybdenum | 98-1 | 1.59 | 1.53 | 1.63 | 1.59 | 3.09 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 79.26 | 77.39 | 77.61 | 78.09 | 1.31 | ppb |
| Phosphorus | 31-2 | 2224.43 | 2278.64 | 2244.13 | 2249.07 | 1.22 | ppb |
| Potassium | 39-2 | 10131.68 | 9912.65 | 9947.57 | 9997.30 | 1.18 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 0.44 | 0.95 | 1.71 | 1.03 | 62.09 | ppb |
| Selenium | 77-2 | 15.52 | 11.34 | 12.32 | 13.06 | 16.73 | ppb |
| Selenium | 78-2 | 1.29 | -0.25 | 2.97 | 1.34 | 120.71 | ppb |
| Silicon | 28-1 | 1824.44 | 1862.50 | 1871.85 | 1852.93 | 1.36 | ppb |
| Silver | 107-1 | 0.42 | 0.45 | 0.47 | 0.45 | 5.93 | ppb |
| Silver | 109-1 | 0.42 | 0.44 | 0.46 | 0.44 | 4.76 | ppb |
| Sodium | 23-2 | 324.86 | 316.27 | 317.26 | 319.46 | 1.47 | ppb |
| Strontium | 86-1 | 104.18 | 107.30 | 107.19 | 106.22 | 1.67 | ppb |
| Strontium | 88-1 | 107.96 | 110.10 | 113.38 | 110.48 | 2.47 | ppb |
| Sulfur | 34-1 | -1978.59 | -2004.62 | -2109.01 | -2030.74 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.28 | 0.30 | 0.29 | 0.29 | 3.58 | ppb |
| Thallium | 205-1 | 0.28 | 0.29 | 0.31 | 0.30 | 5.02 | ppb |
| Tin | 118-1 | 1.81 | 1.81 | 1.77 | 1.80 | 1.36 | ppb |
| Titanium | 47-1 | 966.23 | 988.78 | 1005.24 | 986.75 | 1.98 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE467 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:28:35 | DataFile Name : | 076SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.95 | 1.01 | 0.99 | 0.99 | 3.08 | ppb |
| Vanadium | 51-2 | 153.36 | 150.62 | 150.44 | 151.47 | 1.08 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 209.41 | 207.44 | 207.09 | 207.98 | 0.60 | ppb |
| Zirconium | 90-1 | 12.55 | 12.78 | 12.99 | 12.77 | 1.73 | ppb |
| Zirconium | 91-1 | 12.52 | 12.73 | 13.21 | 12.82 | 2.73 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-21 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE468 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:31:46 | DataFile Name : | 077SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 42167.18 | 42318.80 | 42777.39 | 42421.12 | 0.75 | ppb |
| Antimony | 121-1 | 1.44 | 1.57 | 1.50 | 1.50 | 4.36 | ppb |
| Arsenic | 75-2 | 84.75 | 83.23 | 85.78 | 84.59 | 1.52 | ppb |
| Barium | 135-1 | 478.41 | 480.23 | 484.54 | 481.06 | 0.65 | ppb |
| Barium | 137-1 | 465.51 | 476.19 | 481.02 | 474.24 | 1.67 | ppb |
| Beryllium | 9-1 | 1.53 | 1.46 | 1.61 | 1.53 | 5.07 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.79 | 1.60 | 1.15 | 1.52 | 21.65 | ppb |
| Cadmium | 106-1 | 0.15 | 0.55 | 2.17 | 0.96 | 111.98 | ppb |
| Cadmium | 111-1 | 0.96 | 1.07 | 1.16 | 1.06 | 9.49 | ppb |
| Calcium | 43-1 | 14959.96 | 15087.22 | 15215.68 | 15087.62 | 0.85 | ppb |
| Calcium | 44-1 | 14472.67 | 14509.28 | 14816.73 | 14599.56 | 1.29 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 98.63 | 98.63 | 98.51 | 98.59 | 0.07 | ppb |
| Cobalt | 59-2 | 47.56 | 47.68 | 47.83 | 47.69 | 0.29 | ppb |
| Copper | 63-2 | 194.58 | 196.18 | 196.30 | 195.69 | 0.49 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 102 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 87756.40 | 88496.64 | 88367.25 | 88206.76 | 0.45 | ppb |
| Iron | 57-2 | 87555.61 | 87550.18 | 86669.85 | 87258.55 | 0.58 | ppb |
| Iron | 54-2 | 88230.77 | 87358.51 | 87802.48 | 87797.25 | 0.50 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-21 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE468 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:31:46 | DataFile Name : | 077SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 41.12 | 41.48 | 42.20 | 41.60 | 1.32 | ppb |
| Lead | 207-1 | 38.53 | 39.18 | 40.35 | 39.35 | 2.34 | ppb |
| Lead | 208-1 | 39.11 | 40.13 | 40.85 | 40.03 | 2.18 | ppb |
| Lithium | 6-1 | | | | 96 | | % |
| Magnesium | 24-2 | 19409.05 | 19428.28 | 19330.05 | 19389.12 | 0.27 | ppb |
| Manganese | 55-2 | 2338.85 | 2341.81 | 2299.98 | 2326.88 | 1.00 | ppb |
| Molybdenum | 94-1 | 11.43 | 11.76 | 11.95 | 11.72 | 2.26 | ppb |
| Molybdenum | 95-1 | 1.91 | 1.95 | 1.97 | 1.95 | 1.70 | ppb |
| Molybdenum | 96-1 | 3.41 | 3.50 | 3.49 | 3.47 | 1.46 | ppb |
| Molybdenum | 97-1 | 1.94 | 1.80 | 1.91 | 1.89 | 3.80 | ppb |
| Molybdenum | 98-1 | 1.86 | 1.89 | 1.84 | 1.86 | 1.17 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 84.04 | 85.69 | 86.33 | 85.35 | 1.38 | ppb |
| Phosphorus | 31-2 | 2473.84 | 2486.60 | 2446.04 | 2468.83 | 0.84 | ppb |
| Potassium | 39-2 | 12697.85 | 12546.39 | 12681.47 | 12641.90 | 0.66 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 102 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 1.94 | 1.16 | 1.24 | 1.45 | 29.74 | ppb |
| Selenium | 77-2 | 15.08 | 19.61 | 9.85 | 14.84 | 32.90 | ppb |
| Selenium | 78-2 | 0.51 | 0.44 | 0.94 | 0.63 | 42.88 | ppb |
| Silicon | 28-1 | 1736.94 | 1733.96 | 1724.51 | 1731.80 | 0.37 | ppb |
| Silver | 107-1 | 0.41 | 0.41 | 0.42 | 0.41 | 1.73 | ppb |
| Silver | 109-1 | 0.41 | 0.39 | 0.41 | 0.40 | 3.22 | ppb |
| Sodium | 23-2 | 288.98 | 292.16 | 290.04 | 290.39 | 0.56 | ppb |
| Strontium | 86-1 | 92.67 | 95.43 | 96.23 | 94.77 | 1.97 | ppb |
| Strontium | 88-1 | 98.80 | 99.90 | 101.52 | 100.08 | 1.37 | ppb |
| Sulfur | 34-1 | -2191.15 | -2346.63 | -2288.80 | -2275.53 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.29 | 0.29 | 0.32 | 0.30 | 6.56 | ppb |
| Thallium | 205-1 | 0.30 | 0.31 | 0.33 | 0.31 | 5.12 | ppb |
| Tin | 118-1 | 1.70 | 1.64 | 1.64 | 1.66 | 2.20 | ppb |
| Titanium | 47-1 | 845.56 | 866.58 | 863.68 | 858.61 | 1.33 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-21 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE468 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:31:46 | DataFile Name : | 077SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.23 | 1.25 | 1.27 | 1.25 | 1.37 | ppb |
| Vanadium | 51-2 | 160.57 | 160.59 | 160.65 | 160.60 | 0.03 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 225.50 | 224.20 | 221.54 | 223.75 | 0.90 | ppb |
| Zirconium | 90-1 | 6.06 | 6.24 | 6.18 | 6.16 | 1.48 | ppb |
| Zirconium | 91-1 | 5.94 | 6.14 | 6.25 | 6.11 | 2.59 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-22 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE469 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:34:58 | DataFile Name : | 078SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 57373.72 | 58140.64 | 57627.07 | 57713.81 | 0.68 | ppb |
| Antimony | 121-1 | 1.49 | 1.54 | 1.71 | 1.58 | 7.22 | ppb |
| Arsenic | 75-2 | 122.01 | 117.36 | 116.16 | 118.51 | 2.60 | ppb |
| Barium | 135-1 | 697.93 | 719.65 | 770.01 | 729.19 | 5.07 | ppb |
| Barium | 137-1 | 758.20 | 779.71 | 834.65 | 790.85 | 4.99 | ppb |
| Beryllium | 9-1 | 2.19 | 2.22 | 2.43 | 2.28 | 5.62 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.08 | 2.50 | 2.20 | 2.26 | 9.58 | ppb |
| Cadmium | 106-1 | 2.67 | 1.30 | 2.74 | 2.24 | 36.43 | ppb |
| Cadmium | 111-1 | 1.33 | 1.36 | 1.41 | 1.37 | 2.91 | ppb |
| Calcium | 43-1 | 25175.91 | 25732.59 | 27006.12 | 25971.54 | 3.61 | ppb |
| Calcium | 44-1 | 24443.97 | 24372.76 | 25837.64 | 24884.79 | 3.32 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 113.51 | 113.37 | 113.71 | 113.53 | 0.15 | ppb |
| Cobalt | 59-2 | 51.57 | 51.85 | 51.85 | 51.75 | 0.31 | ppb |
| Copper | 63-2 | 249.02 | 248.08 | 247.07 | 248.05 | 0.39 | 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 | | | | 102 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 96 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 106519.34 | 106176.32 | 105787.48 | 106161.05 | 0.34 | ppb |
| Iron | 57-2 | 105022.86 | 104116.38 | 105520.24 | 104886.49 | 0.68 | ppb |
| Iron | 54-2 | 104839.78 | 105071.12 | 105755.44 | 105222.11 | 0.45 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-22 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE469 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:34:58 | DataFile Name : | 078SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 60.81 | 62.77 | 64.92 | 62.84 | 3.27 | ppb |
| Lead | 207-1 | 59.53 | 60.26 | 63.32 | 61.04 | 3.29 | ppb |
| Lead | 208-1 | 59.59 | 60.72 | 63.44 | 61.25 | 3.24 | ppb |
| Lithium | 6-1 | | | | 93 | | % |
| Magnesium | 24-2 | 25423.93 | 25723.74 | 25574.24 | 25573.97 | 0.59 | ppb |
| Manganese | 55-2 | 4057.03 | 4044.68 | 4038.27 | 4046.66 | 0.24 | ppb |
| Molybdenum | 94-1 | 22.55 | 22.57 | 24.71 | 23.28 | 5.32 | ppb |
| Molybdenum | 95-1 | 1.90 | 1.98 | 2.16 | 2.02 | 6.61 | ppb |
| Molybdenum | 96-1 | 4.61 | 4.58 | 5.14 | 4.78 | 6.54 | ppb |
| Molybdenum | 97-1 | 1.88 | 2.06 | 2.03 | 1.99 | 4.93 | ppb |
| Molybdenum | 98-1 | 1.88 | 1.89 | 2.04 | 1.93 | 4.59 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 98.18 | 97.32 | 97.35 | 97.62 | 0.50 | ppb |
| Phosphorus | 31-2 | 2647.44 | 2657.30 | 2567.71 | 2624.15 | 1.87 | ppb |
| Potassium | 39-2 | 13534.88 | 13495.68 | 13388.49 | 13473.02 | 0.56 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 1.59 | 0.94 | 1.38 | 1.30 | 25.23 | ppb |
| Selenium | 77-2 | 19.02 | 16.73 | 15.94 | 17.23 | 9.29 | ppb |
| Selenium | 78-2 | 2.08 | 4.69 | 0.38 | 2.38 | 91.26 | ppb |
| Silicon | 28-1 | 1896.37 | 1914.25 | 1992.54 | 1934.39 | 2.64 | ppb |
| Silver | 107-1 | 0.63 | 0.67 | 0.70 | 0.67 | 5.01 | ppb |
| Silver | 109-1 | 0.66 | 0.67 | 0.71 | 0.68 | 4.23 | ppb |
| Sodium | 23-2 | 257.24 | 255.14 | 256.42 | 256.27 | 0.41 | ppb |
| Strontium | 86-1 | 112.07 | 112.37 | 123.42 | 115.95 | 5.58 | ppb |
| Strontium | 88-1 | 117.80 | 119.38 | 130.58 | 122.59 | 5.68 | ppb |
| Sulfur | 34-1 | -2003.83 | -2007.97 | -1781.85 | -1931.22 | | ppb |
| Terbium | 159-1 | | | | 99 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.48 | 0.47 | 0.50 | 0.48 | 2.71 | ppb |
| Thallium | 205-1 | 0.48 | 0.51 | 0.50 | 0.50 | 2.72 | ppb |
| Tin | 118-1 | 2.30 | 2.32 | 2.62 | 2.41 | 7.23 | ppb |
| Titanium | 47-1 | 951.19 | 964.74 | 1022.68 | 979.54 | 3.88 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-22 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE469 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:34:58 | DataFile Name : | 078SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.02 | 1.03 | 1.10 | 1.05 | 4.43 | ppb |
| Vanadium | 51-2 | 187.26 | 187.61 | 186.71 | 187.19 | 0.24 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 107 | | % |
| Zinc | 66-2 | 284.74 | 284.74 | 286.81 | 285.43 | 0.42 | ppb |
| Zirconium | 90-1 | 12.62 | 12.64 | 13.95 | 13.07 | 5.86 | ppb |
| Zirconium | 91-1 | 12.57 | 12.66 | 13.77 | 13.00 | 5.13 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-01 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE470 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:38:06 | DataFile Name : | 079SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 44338.45 | 43786.42 | 44065.45 | 44063.44 | 0.63 | ppb |
| Antimony | 121-1 | 2.08 | 2.18 | 2.16 | 2.14 | 2.39 | ppb |
| Arsenic | 75-2 | 114.90 | 114.33 | 114.03 | 114.42 | 0.38 | ppb |
| Barium | 135-1 | 443.47 | 451.42 | 453.29 | 449.39 | 1.16 | ppb |
| Barium | 137-1 | 441.27 | 447.94 | 449.47 | 446.23 | 0.98 | ppb |
| Beryllium | 9-1 | 1.66 | 1.64 | 1.69 | 1.66 | 1.56 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.91 | 2.39 | 2.46 | 2.25 | 13.34 | ppb |
| Cadmium | 106-1 | 3.11 | 2.62 | 2.47 | 2.73 | 12.29 | ppb |
| Cadmium | 111-1 | 1.77 | 1.66 | 1.70 | 1.71 | 3.12 | ppb |
| Calcium | 43-1 | 27398.62 | 28167.39 | 27969.00 | 27845.00 | 1.43 | ppb |
| Calcium | 44-1 | 26366.39 | 27032.82 | 27040.96 | 26813.39 | 1.44 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 101.68 | 99.75 | 99.89 | 100.44 | 1.07 | ppb |
| Cobalt | 59-2 | 49.92 | 49.75 | 49.84 | 49.84 | 0.17 | ppb |
| Copper | 63-2 | 266.02 | 259.96 | 263.28 | 263.09 | 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 | | | | 104 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 103828.34 | 101955.95 | 102167.21 | 102650.50 | 1.00 | ppb |
| Iron | 57-2 | 101880.48 | 99754.30 | 101722.69 | 101119.16 | 1.17 | ppb |
| Iron | 54-2 | 102273.06 | 101491.65 | 101772.35 | 101845.69 | 0.39 | ppb |
| Krypton | 83-1 | | | | | | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-01 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE470 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:38:06 | DataFile Name : | 079SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 64.75 | 64.33 | 66.80 | 65.29 | 2.02 | ppb |
| Lead | 207-1 | 61.67 | 62.20 | 65.22 | 63.03 | 3.04 | ppb |
| Lead | 208-1 | 62.47 | 62.48 | 64.84 | 63.26 | 2.16 | ppb |
| Lithium | 6-1 | | | | 94 | | % |
| Magnesium | 24-2 | 21342.74 | 21054.76 | 21387.40 | 21261.63 | 0.85 | ppb |
| Manganese | 55-2 | 2515.62 | 2479.42 | 2494.81 | 2496.62 | 0.73 | ppb |
| Molybdenum | 94-1 | 21.12 | 20.79 | 20.79 | 20.90 | 0.90 | ppb |
| Molybdenum | 95-1 | 1.23 | 1.29 | 1.27 | 1.26 | 2.39 | ppb |
| Molybdenum | 96-1 | 3.93 | 3.90 | 3.92 | 3.92 | 0.42 | ppb |
| Molybdenum | 97-1 | 1.29 | 1.25 | 1.30 | 1.28 | 2.18 | ppb |
| Molybdenum | 98-1 | 1.21 | 1.25 | 1.22 | 1.23 | 1.96 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 96.39 | 95.21 | 95.63 | 95.74 | 0.62 | ppb |
| Phosphorus | 31-2 | 2516.30 | 2414.52 | 2525.84 | 2485.55 | 2.48 | ppb |
| Potassium | 39-2 | 9997.40 | 9970.75 | 9938.12 | 9968.76 | 0.30 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 1.23 | 1.91 | 1.37 | 1.50 | 23.99 | ppb |
| Selenium | 77-2 | 15.15 | 14.55 | 16.19 | 15.30 | 5.44 | ppb |
| Selenium | 78-2 | 1.29 | 3.05 | 5.05 | 3.13 | 60.06 | ppb |
| Silicon | 28-1 | 1668.93 | 1702.21 | 1702.94 | 1691.36 | 1.15 | ppb |
| Silver | 107-1 | 0.57 | 0.53 | 0.58 | 0.56 | 4.17 | ppb |
| Silver | 109-1 | 0.53 | 0.56 | 0.56 | 0.55 | 3.32 | ppb |
| Sodium | 23-2 | 314.50 | 305.08 | 313.03 | 310.87 | 1.63 | ppb |
| Strontium | 86-1 | 122.61 | 122.64 | 122.70 | 122.65 | 0.04 | ppb |
| Strontium | 88-1 | 127.50 | 128.84 | 128.99 | 128.44 | 0.64 | ppb |
| Sulfur | 34-1 | -1898.35 | -1798.26 | -1845.16 | -1847.26 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 0.35 | 0.34 | 0.36 | 0.35 | 2.63 | ppb |
| Thallium | 205-1 | 0.34 | 0.36 | 0.37 | 0.36 | 3.71 | ppb |
| Tin | 118-1 | 2.23 | 2.20 | 2.21 | 2.21 | 0.62 | ppb |
| Titanium | 47-1 | 942.05 | 969.64 | 961.32 | 957.67 | 1.48 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-01 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE470 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:38:06 | DataFile Name : | 079SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.91 | 0.90 | 0.91 | 0.91 | 1.09 | ppb |
| Vanadium | 51-2 | 182.46 | 180.82 | 182.68 | 181.99 | 0.56 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 107 | | % |
| Zinc | 66-2 | 260.40 | 259.26 | 257.91 | 259.19 | 0.48 | ppb |
| Zirconium | 90-1 | 12.06 | 12.14 | 12.09 | 12.10 | 0.37 | ppb |
| Zirconium | 91-1 | 11.82 | 12.31 | 12.10 | 12.08 | 2.04 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-02 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE471 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:41:18 | DataFile Name : | 080SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 52484.73 | 52299.40 | 53397.32 | 52727.15 | 1.11 | ppb |
| Antimony | 121-1 | 1.10 | 1.09 | 1.11 | 1.10 | 1.21 | ppb |
| Arsenic | 75-2 | 80.74 | 79.99 | 78.94 | 79.89 | 1.13 | ppb |
| Barium | 135-1 | 568.29 | 577.20 | 582.16 | 575.88 | 1.22 | ppb |
| Barium | 137-1 | 562.58 | 575.77 | 576.39 | 571.58 | 1.36 | ppb |
| Beryllium | 9-1 | 1.71 | 2.00 | 1.94 | 1.89 | 8.05 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.05 | 2.06 | 1.99 | 2.04 | 1.75 | ppb |
| Cadmium | 106-1 | 2.26 | 1.27 | 2.21 | 1.91 | 29.38 | ppb |
| Cadmium | 111-1 | 1.00 | 1.01 | 1.01 | 1.01 | 0.82 | ppb |
| Calcium | 43-1 | 19165.79 | 19793.77 | 19725.80 | 19561.79 | 1.76 | ppb |
| Calcium | 44-1 | 18662.14 | 18905.68 | 19128.94 | 18898.92 | 1.24 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 106.53 | 108.65 | 108.73 | 107.97 | 1.16 | ppb |
| Cobalt | 59-2 | 49.12 | 49.34 | 49.36 | 49.27 | 0.27 | ppb |
| Copper | 63-2 | 173.02 | 172.94 | 174.83 | 173.60 | 0.62 | ppb |
| Dysprosium | 156-1 | | | | | | 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 | | | | 104 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 98474.25 | 99825.22 | 100210.55 | 99503.34 | 0.92 | ppb |
| Iron | 57-2 | 98299.40 | 98097.49 | 98458.13 | 98285.01 | 0.18 | ppb |
| Iron | 54-2 | 98898.09 | 99344.75 | 99175.83 | 99139.56 | 0.23 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-02 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE471 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:41:18 | DataFile Name : | 080SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 37.10 | 37.03 | 37.91 | 37.35 | 1.31 | ppb |
| Lead | 207-1 | 34.73 | 35.41 | 35.71 | 35.28 | 1.43 | ppb |
| Lead | 208-1 | 35.52 | 35.54 | 36.31 | 35.79 | 1.26 | ppb |
| Lithium | 6-1 | | | | 96 | | % |
| Magnesium | 24-2 | 22141.17 | 21882.36 | 22261.51 | 22095.01 | 0.88 | ppb |
| Manganese | 55-2 | 2735.23 | 2751.37 | 2740.83 | 2742.48 | 0.30 | ppb |
| Molybdenum | 94-1 | 22.11 | 22.63 | 23.52 | 22.75 | 3.13 | ppb |
| Molybdenum | 95-1 | 1.73 | 1.74 | 1.66 | 1.71 | 2.29 | ppb |
| Molybdenum | 96-1 | 4.39 | 4.47 | 4.43 | 4.43 | 0.95 | ppb |
| Molybdenum | 97-1 | 1.68 | 1.68 | 1.85 | 1.74 | 5.76 | ppb |
| Molybdenum | 98-1 | 1.68 | 1.66 | 1.64 | 1.66 | 1.13 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 90.98 | 91.66 | 91.91 | 91.52 | 0.53 | ppb |
| Phosphorus | 31-2 | 2527.97 | 2570.56 | 2564.07 | 2554.20 | 0.90 | ppb |
| Potassium | 39-2 | 12874.62 | 12729.70 | 12844.23 | 12816.18 | 0.60 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 102 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 0.69 | 1.40 | 0.88 | 0.99 | 37.20 | ppb |
| Selenium | 77-2 | 15.29 | 19.10 | 23.25 | 19.21 | 20.71 | ppb |
| Selenium | 78-2 | 1.62 | 4.24 | 2.96 | 2.94 | 44.43 | ppb |
| Silicon | 28-1 | 2111.23 | 2128.83 | 2137.81 | 2125.96 | 0.64 | ppb |
| Silver | 107-1 | 0.34 | 0.32 | 0.33 | 0.33 | 2.15 | ppb |
| Silver | 109-1 | 0.33 | 0.30 | 0.34 | 0.32 | 6.47 | ppb |
| Sodium | 23-2 | 313.12 | 316.99 | 321.16 | 317.09 | 1.27 | ppb |
| Strontium | 86-1 | 99.17 | 101.16 | 102.03 | 100.79 | 1.45 | ppb |
| Strontium | 88-1 | 102.97 | 105.56 | 107.77 | 105.44 | 2.28 | ppb |
| Sulfur | 34-1 | -2147.13 | -2215.88 | -2226.94 | -2196.65 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.37 | 0.37 | 0.40 | 0.38 | 3.86 | ppb |
| Thallium | 205-1 | 0.38 | 0.37 | 0.41 | 0.39 | 5.61 | ppb |
| Tin | 118-1 | 2.31 | 2.39 | 2.43 | 2.38 | 2.68 | ppb |
| Titanium | 47-1 | 1061.85 | 1091.09 | 1105.19 | 1086.04 | 2.04 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-02 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE471 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:41:18 | DataFile Name : | 080SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.08 | 1.11 | 1.12 | 1.10 | 1.84 | ppb |
| Vanadium | 51-2 | 174.38 | 174.44 | 175.00 | 174.60 | 0.20 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 231.97 | 234.10 | 233.40 | 233.15 | 0.46 | ppb |
| Zirconium | 90-1 | 12.82 | 13.01 | 13.27 | 13.03 | 1.73 | ppb |
| Zirconium | 91-1 | 12.62 | 13.22 | 13.31 | 13.05 | 2.86 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-03 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE472 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:44:26 | DataFile Name : | 081SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 57257.67 | 57084.09 | 57207.51 | 57183.09 | 0.16 | ppb |
| Antimony | 121-1 | 1.96 | 2.03 | 2.07 | 2.02 | 2.94 | ppb |
| Arsenic | 75-2 | 147.26 | 146.81 | 144.47 | 146.18 | 1.02 | ppb |
| Barium | 135-1 | 962.31 | 994.38 | 1001.21 | 985.96 | 2.11 | ppb |
| Barium | 137-1 | 1041.84 | 1083.60 | 1087.24 | 1070.89 | 2.36 | ppb |
| Beryllium | 9-1 | 1.99 | 2.01 | 2.32 | 2.11 | 8.93 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.63 | 2.08 | 1.90 | 1.87 | 12.08 | ppb |
| Cadmium | 106-1 | 2.75 | 2.86 | 3.71 | 3.11 | 16.98 | ppb |
| Cadmium | 111-1 | 0.92 | 0.95 | 0.95 | 0.94 | 1.62 | ppb |
| Calcium | 43-1 | 38551.16 | 39250.80 | 39442.86 | 39081.60 | 1.20 | ppb |
| Calcium | 44-1 | 37977.77 | 38144.53 | 38346.78 | 38156.36 | 0.48 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 108.96 | 108.10 | 108.63 | 108.57 | 0.40 | ppb |
| Cobalt | 59-2 | 48.14 | 47.74 | 47.58 | 47.82 | 0.60 | ppb |
| Copper | 63-2 | 159.56 | 159.60 | 160.78 | 159.98 | 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 | | | | 102 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 106921.47 | 106812.64 | 106818.35 | 106850.82 | 0.06 | ppb |
| Iron | 57-2 | 106268.95 | 106111.31 | 105688.68 | 106022.98 | 0.28 | ppb |
| Iron | 54-2 | 106673.48 | 106306.90 | 106085.87 | 106355.42 | 0.28 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-03 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE472 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:44:26 | DataFile Name : | 081SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 34.98 | 35.97 | 36.79 | 35.91 | 2.52 | ppb |
| Lead | 207-1 | 33.86 | 34.31 | 34.91 | 34.36 | 1.53 | ppb |
| Lead | 208-1 | 34.30 | 35.01 | 35.32 | 34.87 | 1.51 | ppb |
| Lithium | 6-1 | | | | 96 | | % |
| Magnesium | 24-2 | 26498.02 | 26864.69 | 27070.56 | 26811.09 | 1.08 | ppb |
| Manganese | 55-2 | 2601.67 | 2585.20 | 2587.41 | 2591.43 | 0.35 | ppb |
| Molybdenum | 94-1 | 41.46 | 42.21 | 42.96 | 42.21 | 1.77 | ppb |
| Molybdenum | 95-1 | 1.00 | 1.04 | 1.02 | 1.02 | 2.30 | ppb |
| Molybdenum | 96-1 | 5.82 | 5.86 | 5.83 | 5.84 | 0.39 | ppb |
| Molybdenum | 97-1 | 0.86 | 1.00 | 0.99 | 0.95 | 7.96 | ppb |
| Molybdenum | 98-1 | 0.98 | 0.95 | 0.97 | 0.97 | 1.69 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 123.00 | 122.07 | 120.59 | 121.89 | 1.00 | ppb |
| Phosphorus | 31-2 | 3115.64 | 3108.80 | 3074.68 | 3099.71 | 0.71 | ppb |
| Potassium | 39-2 | 10349.21 | 10526.33 | 10423.07 | 10432.87 | 0.85 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 104 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 0.35 | 0.37 | 1.37 | 0.70 | 83.65 | ppb |
| Selenium | 77-2 | 14.01 | 17.52 | 19.75 | 17.09 | 16.91 | ppb |
| Selenium | 78-2 | 3.47 | 1.73 | 3.25 | 2.82 | 33.63 | ppb |
| Silicon | 28-1 | 1997.87 | 1999.65 | 2019.13 | 2005.55 | 0.59 | ppb |
| Silver | 107-1 | 0.26 | 0.29 | 0.27 | 0.27 | 4.68 | ppb |
| Silver | 109-1 | 0.26 | 0.29 | 0.27 | 0.27 | 5.64 | ppb |
| Sodium | 23-2 | 278.02 | 276.75 | 280.06 | 278.27 | 0.60 | ppb |
| Strontium | 86-1 | 302.62 | 303.50 | 308.98 | 305.04 | 1.13 | ppb |
| Strontium | 88-1 | 319.52 | 317.65 | 327.30 | 321.49 | 1.59 | ppb |
| Sulfur | 34-1 | -2235.31 | -2241.60 | -2145.68 | -2207.53 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.32 | 0.33 | 0.32 | 0.32 | 1.11 | ppb |
| Thallium | 205-1 | 0.31 | 0.31 | 0.29 | 0.30 | 2.77 | ppb |
| Tin | 118-1 | 1.64 | 1.68 | 1.69 | 1.67 | 1.48 | ppb |
| Titanium | 47-1 | 994.72 | 1018.44 | 1016.27 | 1009.81 | 1.30 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-03 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE472 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:44:26 | DataFile Name : | 081SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.16 | 1.19 | 1.18 | 1.18 | 1.55 | ppb |
| Vanadium | 51-2 | 201.22 | 200.58 | 199.30 | 200.37 | 0.49 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 198.56 | 197.26 | 199.01 | 198.28 | 0.46 | ppb |
| Zirconium | 90-1 | 24.58 | 24.76 | 25.33 | 24.89 | 1.57 | ppb |
| Zirconium | 91-1 | 25.28 | 25.05 | 25.44 | 25.26 | 0.78 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-04 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE473 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:47:37 | DataFile Name : | 082SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 45592.54 | 45479.78 | 45562.08 | 45544.80 | 0.13 | ppb |
| Antimony | 121-1 | 1.74 | 1.75 | 1.80 | 1.76 | 1.85 | ppb |
| Arsenic | 75-2 | 105.71 | 106.07 | 105.85 | 105.88 | 0.17 | ppb |
| Barium | 135-1 | 453.78 | 461.13 | 469.87 | 461.59 | 1.75 | ppb |
| Barium | 137-1 | 449.50 | 461.58 | 468.83 | 459.97 | 2.12 | ppb |
| Beryllium | 9-1 | 1.43 | 1.47 | 1.58 | 1.49 | 4.99 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 3.05 | 2.53 | 2.96 | 2.85 | 9.64 | ppb |
| Cadmium | 106-1 | 2.72 | 2.52 | 2.68 | 2.64 | 4.17 | ppb |
| Cadmium | 111-1 | 2.03 | 1.99 | 2.18 | 2.07 | 4.88 | ppb |
| Calcium | 43-1 | 24800.75 | 25418.48 | 25463.95 | 25227.72 | 1.47 | ppb |
| Calcium | 44-1 | 24271.14 | 24451.91 | 24260.51 | 24327.86 | 0.44 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 97.88 | 97.33 | 98.47 | 97.90 | 0.58 | ppb |
| Cobalt | 59-2 | 45.28 | 45.41 | 45.42 | 45.37 | 0.18 | ppb |
| Copper | 63-2 | 330.01 | 331.51 | 332.81 | 331.44 | 0.42 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 91004.40 | 91388.75 | 91596.58 | 91329.91 | 0.33 | ppb |
| Iron | 57-2 | 89832.40 | 90641.95 | 89506.46 | 89993.60 | 0.65 | ppb |
| Iron | 54-2 | 90359.16 | 90172.29 | 91324.04 | 90618.50 | 0.68 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-04 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE473 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:47:37 | DataFile Name : | 082SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 71.36 | 73.74 | 74.53 | 73.21 | 2.25 | ppb |
| Lead | 207-1 | 70.03 | 73.07 | 73.29 | 72.13 | 2.53 | ppb |
| Lead | 208-1 | 69.96 | 72.20 | 73.26 | 71.81 | 2.35 | ppb |
| Lithium | 6-1 | | | | 98 | | % |
| Magnesium | 24-2 | 20520.87 | 20498.08 | 20434.54 | 20484.50 | 0.22 | ppb |
| Manganese | 55-2 | 2210.52 | 2216.11 | 2233.94 | 2220.19 | 0.55 | ppb |
| Molybdenum | 94-1 | 21.79 | 22.78 | 22.60 | 22.39 | 2.35 | ppb |
| Molybdenum | 95-1 | 1.32 | 1.34 | 1.32 | 1.33 | 0.76 | ppb |
| Molybdenum | 96-1 | 3.94 | 4.15 | 4.06 | 4.05 | 2.68 | ppb |
| Molybdenum | 97-1 | 1.31 | 1.33 | 1.34 | 1.33 | 1.27 | ppb |
| Molybdenum | 98-1 | 1.26 | 1.28 | 1.23 | 1.26 | 1.91 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 86.83 | 87.98 | 88.89 | 87.90 | 1.17 | ppb |
| Phosphorus | 31-2 | 2482.34 | 2545.05 | 2562.71 | 2530.03 | 1.67 | ppb |
| Potassium | 39-2 | 12911.35 | 13002.53 | 12939.61 | 12951.16 | 0.36 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 102 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 1.62 | 1.71 | 1.99 | 1.77 | 10.94 | ppb |
| Selenium | 77-2 | 15.32 | 11.92 | 9.09 | 12.11 | 25.77 | ppb |
| Selenium | 78-2 | 4.13 | 3.87 | 5.41 | 4.47 | 18.50 | ppb |
| Silicon | 28-1 | 2066.56 | 2086.25 | 2071.76 | 2074.86 | 0.49 | ppb |
| Silver | 107-1 | 0.80 | 0.78 | 0.79 | 0.79 | 0.93 | ppb |
| Silver | 109-1 | 0.76 | 0.81 | 0.82 | 0.80 | 3.77 | ppb |
| Sodium | 23-2 | 278.25 | 281.80 | 284.80 | 281.62 | 1.17 | ppb |
| Strontium | 86-1 | 109.33 | 111.90 | 112.51 | 111.25 | 1.51 | ppb |
| Strontium | 88-1 | 116.85 | 116.42 | 118.86 | 117.38 | 1.11 | ppb |
| Sulfur | 34-1 | -1927.49 | -1905.62 | -2066.01 | -1966.38 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.33 | 0.35 | 0.35 | 0.34 | 3.53 | ppb |
| Thallium | 205-1 | 0.33 | 0.36 | 0.35 | 0.35 | 5.38 | ppb |
| Tin | 118-1 | 1.73 | 1.76 | 1.83 | 1.77 | 2.85 | ppb |
| Titanium | 47-1 | 967.88 | 992.50 | 977.52 | 979.30 | 1.27 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-04 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE473 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:47:37 | DataFile Name : | 082SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.88 | 0.93 | 0.93 | 0.92 | 3.49 | ppb |
| Vanadium | 51-2 | 166.19 | 167.01 | 167.86 | 167.02 | 0.50 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 290.60 | 293.66 | 290.75 | 291.67 | 0.59 | ppb |
| Zirconium | 90-1 | 12.54 | 12.92 | 12.91 | 12.79 | 1.72 | ppb |
| Zirconium | 91-1 | 12.44 | 12.85 | 13.15 | 12.81 | 2.76 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-05 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE474 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:50:45 | DataFile Name : | 083SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 44607.41 | 44319.78 | 44515.36 | 44480.85 | 0.33 | ppb |
| Antimony | 121-1 | 2.09 | 2.03 | 2.13 | 2.08 | 2.44 | ppb |
| Arsenic | 75-2 | 93.96 | 94.33 | 92.45 | 93.58 | 1.06 | ppb |
| Barium | 135-1 | 435.66 | 417.56 | 438.92 | 430.71 | 2.67 | ppb |
| Barium | 137-1 | 442.55 | 435.31 | 443.46 | 440.44 | 1.01 | ppb |
| Beryllium | 9-1 | 1.58 | 1.45 | 1.67 | 1.57 | 7.12 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.99 | 1.95 | 2.02 | 1.99 | 1.77 | ppb |
| Cadmium | 106-1 | 1.81 | 1.72 | 1.36 | 1.63 | 14.68 | ppb |
| Cadmium | 111-1 | 1.42 | 1.44 | 1.51 | 1.45 | 3.18 | ppb |
| Calcium | 43-1 | 16833.47 | 17237.08 | 17376.33 | 17148.96 | 1.64 | ppb |
| Calcium | 44-1 | 16370.43 | 16584.55 | 16691.06 | 16548.68 | 0.99 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 95.01 | 94.07 | 94.44 | 94.51 | 0.50 | ppb |
| Cobalt | 59-2 | 41.98 | 42.19 | 41.98 | 42.05 | 0.28 | ppb |
| Copper | 63-2 | 239.39 | 240.37 | 238.32 | 239.36 | 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 | | | | 102 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 96 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 89276.53 | 89455.87 | 88860.52 | 89197.64 | 0.34 | ppb |
| Iron | 57-2 | 87789.97 | 87688.46 | 87168.15 | 87548.86 | 0.38 | ppb |
| Iron | 54-2 | 89382.00 | 88679.71 | 88272.92 | 88778.21 | 0.63 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-05 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE474 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:50:45 | DataFile Name : | 083SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 54.05 | 54.89 | 54.88 | 54.60 | 0.88 | ppb |
| Lead | 207-1 | 53.58 | 55.93 | 54.91 | 54.81 | 2.15 | ppb |
| Lead | 208-1 | 52.79 | 54.22 | 53.59 | 53.53 | 1.34 | ppb |
| Lithium | 6-1 | | | | 96 | | % |
| Magnesium | 24-2 | 20217.22 | 20086.34 | 20178.34 | 20160.63 | 0.33 | ppb |
| Manganese | 55-2 | 2335.03 | 2331.79 | 2304.70 | 2323.84 | 0.72 | ppb |
| Molybdenum | 94-1 | 19.64 | 19.74 | 20.49 | 19.96 | 2.33 | ppb |
| Molybdenum | 95-1 | 1.20 | 1.17 | 1.12 | 1.16 | 3.47 | ppb |
| Molybdenum | 96-1 | 3.79 | 3.66 | 3.86 | 3.77 | 2.74 | ppb |
| Molybdenum | 97-1 | 1.14 | 1.17 | 1.21 | 1.17 | 3.10 | ppb |
| Molybdenum | 98-1 | 1.16 | 1.14 | 1.19 | 1.16 | 2.03 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 82.75 | 83.40 | 82.93 | 83.03 | 0.40 | ppb |
| Phosphorus | 31-2 | 2095.92 | 2041.11 | 2024.79 | 2053.94 | 1.81 | ppb |
| Potassium | 39-2 | 10542.35 | 10399.96 | 10433.27 | 10458.53 | 0.71 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 99 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 1.37 | 1.39 | 1.75 | 1.51 | 14.16 | ppb |
| Selenium | 77-2 | 19.61 | 13.41 | 17.49 | 16.84 | 18.72 | ppb |
| Selenium | 78-2 | 2.04 | 2.69 | 2.98 | 2.57 | 18.62 | ppb |
| Silicon | 28-1 | 1194.02 | 1244.02 | 1249.91 | 1229.32 | 2.50 | ppb |
| Silver | 107-1 | 0.55 | 0.53 | 0.55 | 0.54 | 2.07 | ppb |
| Silver | 109-1 | 0.61 | 0.54 | 0.55 | 0.57 | 6.10 | ppb |
| Sodium | 23-2 | 276.27 | 273.92 | 277.95 | 276.04 | 0.73 | ppb |
| Strontium | 86-1 | 91.14 | 91.17 | 95.72 | 92.68 | 2.84 | ppb |
| Strontium | 88-1 | 93.13 | 90.33 | 92.66 | 92.04 | 1.62 | ppb |
| Sulfur | 34-1 | -2156.05 | -2106.70 | -2069.37 | -2110.71 | | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.31 | 0.33 | 0.32 | 0.32 | 2.81 | ppb |
| Thallium | 205-1 | 0.33 | 0.31 | 0.31 | 0.32 | 2.99 | ppb |
| Tin | 118-1 | 1.84 | 1.75 | 1.86 | 1.82 | 3.19 | ppb |
| Titanium | 47-1 | 938.85 | 965.05 | 970.55 | 958.15 | 1.77 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-05 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE474 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:50:45 | DataFile Name : | 083SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.89 | 0.94 | 0.92 | 0.91 | 2.48 | ppb |
| Vanadium | 51-2 | 162.35 | 161.37 | 162.11 | 161.94 | 0.32 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | 241.04 | 240.64 | 239.00 | 240.23 | 0.45 | ppb |
| Zirconium | 90-1 | 11.30 | 11.27 | 11.92 | 11.49 | 3.18 | ppb |
| Zirconium | 91-1 | 11.67 | 11.66 | 12.00 | 11.78 | 1.62 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-06 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE475 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:53:57 | DataFile Name : | 084SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 45225.56 | 45590.33 | 45775.76 | 45530.55 | 0.61 | ppb |
| Antimony | 121-1 | 1.14 | 1.21 | 1.23 | 1.19 | 3.69 | ppb |
| Arsenic | 75-2 | 74.30 | 75.22 | 76.11 | 75.21 | 1.20 | ppb |
| Barium | 135-1 | 454.24 | 473.79 | 480.08 | 469.37 | 2.87 | ppb |
| Barium | 137-1 | 446.04 | 461.05 | 475.19 | 460.76 | 3.16 | ppb |
| Beryllium | 9-1 | 1.66 | 1.46 | 1.78 | 1.63 | 9.78 | ppb |
| Bismuth | 209-1 | | | | 110 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.20 | 1.26 | 1.71 | 1.39 | 20.01 | ppb |
| Cadmium | 106-1 | 0.31 | 0.62 | -0.53 | 0.13 | 449.71 | ppb |
| Cadmium | 111-1 | 0.99 | 1.04 | 0.88 | 0.97 | 8.65 | ppb |
| Calcium | 43-1 | 17419.48 | 17136.07 | 17471.34 | 17342.30 | 1.04 | ppb |
| Calcium | 44-1 | 16809.71 | 17120.28 | 16593.96 | 16841.32 | 1.57 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 91.11 | 90.81 | 91.57 | 91.16 | 0.42 | ppb |
| Cobalt | 59-2 | 41.08 | 42.01 | 41.62 | 41.57 | 1.13 | ppb |
| Copper | 63-2 | 170.74 | 171.89 | 172.55 | 171.73 | 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 | | | | 104 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 80881.88 | 80951.38 | 80731.98 | 80855.08 | 0.14 | ppb |
| Iron | 57-2 | 78943.26 | 79868.39 | 79883.38 | 79565.01 | 0.68 | ppb |
| Iron | 54-2 | 80037.13 | 81483.69 | 80807.56 | 80776.12 | 0.90 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-06 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE475 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:53:57 | DataFile Name : | 084SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 37.39 | 38.93 | 41.55 | 39.29 | 5.35 | ppb |
| Lead | 207-1 | 34.87 | 36.19 | 38.98 | 36.68 | 5.73 | ppb |
| Lead | 208-1 | 35.98 | 36.83 | 39.37 | 37.39 | 4.72 | ppb |
| Lithium | 6-1 | | | | 102 | | % |
| Magnesium | 24-2 | 18563.61 | 18724.93 | 18817.47 | 18702.00 | 0.69 | ppb |
| Manganese | 55-2 | 2523.42 | 2560.85 | 2540.35 | 2541.54 | 0.74 | ppb |
| Molybdenum | 94-1 | 15.15 | 15.41 | 16.11 | 15.55 | 3.19 | ppb |
| Molybdenum | 95-1 | 1.59 | 1.73 | 1.82 | 1.71 | 6.70 | ppb |
| Molybdenum | 96-1 | 3.33 | 3.51 | 3.70 | 3.51 | 5.29 | ppb |
| Molybdenum | 97-1 | 1.62 | 1.50 | 1.72 | 1.61 | 6.74 | ppb |
| Molybdenum | 98-1 | 1.55 | 1.64 | 1.71 | 1.63 | 4.94 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 78.62 | 78.13 | 79.51 | 78.75 | 0.89 | ppb |
| Phosphorus | 31-2 | 2026.02 | 2117.45 | 2040.39 | 2061.29 | 2.39 | ppb |
| Potassium | 39-2 | 11049.74 | 10874.64 | 11099.95 | 11008.11 | 1.07 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 0.38 | 0.99 | 1.08 | 0.81 | 46.89 | ppb |
| Selenium | 77-2 | 12.75 | 19.59 | 13.63 | 15.32 | 24.28 | ppb |
| Selenium | 78-2 | 2.55 | 0.23 | -0.09 | 0.89 | 161.50 | ppb |
| Silicon | 28-1 | 1866.45 | 1860.05 | 1965.04 | 1897.18 | 3.10 | ppb |
| Silver | 107-1 | 0.36 | 0.42 | 0.41 | 0.40 | 8.16 | ppb |
| Silver | 109-1 | 0.38 | 0.40 | 0.38 | 0.39 | 3.08 | ppb |
| Sodium | 23-2 | 253.45 | 252.12 | 254.63 | 253.40 | 0.50 | ppb |
| Strontium | 86-1 | 81.68 | 82.65 | 89.23 | 84.52 | 4.86 | ppb |
| Strontium | 88-1 | 82.36 | 83.62 | 87.83 | 84.61 | 3.39 | ppb |
| Sulfur | 34-1 | -2098.30 | -2340.96 | -2245.88 | -2228.38 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.30 | 0.28 | 0.34 | 0.31 | 11.41 | ppb |
| Thallium | 205-1 | 0.30 | 0.31 | 0.33 | 0.31 | 4.94 | ppb |
| Tin | 118-1 | 1.63 | 1.75 | 1.71 | 1.70 | 3.76 | ppb |
| Titanium | 47-1 | 942.24 | 945.25 | 982.00 | 956.50 | 2.31 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-06 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE475 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:53:57 | DataFile Name : | 084SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.88 | 0.90 | 0.97 | 0.92 | 5.16 | ppb |
| Vanadium | 51-2 | 142.23 | 144.04 | 143.80 | 143.36 | 0.68 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | 203.30 | 206.56 | 205.08 | 204.98 | 0.79 | ppb |
| Zirconium | 90-1 | 8.12 | 8.55 | 9.01 | 8.56 | 5.20 | ppb |
| Zirconium | 91-1 | 8.23 | 8.51 | 9.15 | 8.63 | 5.49 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV038 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV038 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:57:07 | DataFile Name : | 085CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 48734.10 | 47684.60 | 48253.37 | 48224.02 | 1.09 | ppb |
| Antimony | 121-1 | 488.36 | 508.48 | 509.25 | 502.03 | 2.36 | ppb |
| Arsenic | 75-2 | 527.43 | 530.45 | 533.01 | 530.30 | 0.53 | ppb |
| Barium | 135-1 | 2442.73 | 2518.08 | 2577.98 | 2512.93 | 2.70 | ppb |
| Barium | 137-1 | 2466.08 | 2551.79 | 2552.26 | 2523.37 | 1.97 | ppb |
| Beryllium | 9-1 | 509.01 | 508.71 | 507.57 | 508.43 | 0.15 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 492.37 | 504.97 | 519.79 | 505.71 | 2.71 | ppb |
| Cadmium | 106-1 | 492.33 | 510.02 | 519.41 | 507.25 | 2.71 | ppb |
| Cadmium | 111-1 | 497.86 | 510.51 | 514.13 | 507.50 | 1.68 | ppb |
| Calcium | 43-1 | 235014.42 | 252418.83 | 245401.01 | 244278.09 | 3.58 | ppb |
| Calcium | 44-1 | 235888.75 | 248425.55 | 245977.27 | 243430.52 | 2.73 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 501.37 | 491.60 | 495.18 | 496.05 | 1.00 | ppb |
| Cobalt | 59-2 | 532.84 | 519.92 | 520.13 | 524.30 | 1.41 | ppb |
| Copper | 63-2 | 5123.31 | 5086.06 | 5091.41 | 5100.26 | 0.39 | 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 | | | | 108 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 125774.44 | 123232.07 | 124637.57 | 124548.03 | 1.02 | ppb |
| Iron | 57-2 | 125739.53 | 123905.85 | 124129.03 | 124591.47 | 0.80 | ppb |
| Iron | 54-2 | 125334.35 | 123234.37 | 123907.02 | 124158.58 | 0.86 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV038 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV038 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:57:07 | DataFile Name : | 085CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2459.78 | 2539.15 | 2542.30 | 2513.74 | 1.86 | ppb |
| Lead | 207-1 | 2403.06 | 2490.91 | 2532.10 | 2475.36 | 2.66 | ppb |
| Lead | 208-1 | 2438.38 | 2502.34 | 2539.60 | 2493.44 | 2.05 | ppb |
| Lithium | 6-1 | | | | 106 | | % |
| Magnesium | 24-2 | 250873.74 | 248196.69 | 250583.41 | 249884.61 | 0.59 | ppb |
| Manganese | 55-2 | 4996.73 | 4886.50 | 4949.91 | 4944.38 | 1.12 | ppb |
| Molybdenum | 94-1 | 4812.39 | 5030.51 | 5116.00 | 4986.30 | 3.14 | ppb |
| Molybdenum | 95-1 | 4837.94 | 5084.38 | 5080.23 | 5000.85 | 2.82 | ppb |
| Molybdenum | 96-1 | 4805.67 | 5064.58 | 5070.88 | 4980.38 | 3.04 | ppb |
| Molybdenum | 97-1 | 4770.37 | 4998.87 | 5020.46 | 4929.90 | 2.81 | ppb |
| Molybdenum | 98-1 | 4785.75 | 4996.36 | 5037.76 | 4939.96 | 2.74 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 518.44 | 512.14 | 515.39 | 515.32 | 0.61 | ppb |
| Phosphorus | 31-2 | 9812.00 | 9822.67 | 9792.00 | 9808.89 | 0.16 | ppb |
| Potassium | 39-2 | 123717.81 | 121583.96 | 122936.97 | 122746.24 | 0.88 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 99 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | 493.35 | 517.96 | 523.65 | 511.65 | 3.15 | ppb |
| Selenium | 77-2 | 522.19 | 521.79 | 501.95 | 515.31 | 2.25 | ppb |
| Selenium | 78-2 | 520.31 | 521.05 | 529.07 | 523.47 | 0.93 | ppb |
| Silicon | 28-1 | 2804.82 | 2945.99 | 2902.06 | 2884.29 | 2.50 | ppb |
| Silver | 107-1 | 518.81 | 517.83 | 530.30 | 522.31 | 1.33 | ppb |
| Silver | 109-1 | 513.05 | 526.17 | 524.68 | 521.30 | 1.38 | ppb |
| Sodium | 23-2 | 245683.79 | 244447.71 | 244308.83 | 244813.44 | 0.31 | ppb |
| Strontium | 86-1 | 11965.26 | 12618.40 | 12461.84 | 12348.50 | 2.76 | ppb |
| Strontium | 88-1 | 12136.16 | 12634.24 | 12597.61 | 12456.00 | 2.23 | ppb |
| Sulfur | 34-1 | 8635.43 | 9518.84 | 9275.93 | 9143.40 | 4.99 | ppb |
| Terbium | 159-1 | | | | 107 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | 500.09 | 510.72 | 517.24 | 509.35 | 1.70 | ppb |
| Thallium | 205-1 | 488.96 | 507.78 | 508.18 | 501.64 | 2.19 | ppb |
| Tin | 118-1 | 480.66 | 489.68 | 491.65 | 487.33 | 1.20 | ppb |
| Titanium | 47-1 | 4732.39 | 5126.11 | 4984.82 | 4947.77 | 4.03 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV038 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV038 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:57:07 | DataFile Name : | 085CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 491.18 | 510.03 | 518.44 | 506.55 | 2.76 | ppb |
| Vanadium | 51-2 | 503.21 | 500.19 | 502.08 | 501.83 | 0.30 | ppb |
| Yttrium | 89-1 | | | | 101 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 5239.65 | 5148.95 | 5210.01 | 5199.54 | 0.89 | ppb |
| Zirconium | 90-1 | 489.98 | 510.14 | 518.46 | 506.19 | 2.89 | ppb |
| Zirconium | 91-1 | 476.04 | 499.71 | 506.27 | 494.00 | 3.22 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB038 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB038 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:59:56 | DataFile Name : | 086CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2.10 | 2.10 | 2.06 | 2.09 | 1.30 | ppb |
| Antimony | 121-1 | 0.33 | 0.30 | 0.31 | 0.32 | 4.76 | ppb |
| Arsenic | 75-2 | 0.02 | 0.03 | 0.07 | 0.04 | 52.51 | ppb |
| Barium | 135-1 | 0.52 | 0.11 | 0.07 | 0.24 | 106.02 | ppb |
| Barium | 137-1 | 0.69 | 0.10 | 0.11 | 0.30 | 113.36 | ppb |
| Beryllium | 9-1 | 0.02 | 0.01 | 0.07 | 0.04 | 84.01 | ppb |
| Bismuth | 209-1 | | | | 114 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.04 | -0.14 | 0.01 | -0.06 | | ppb |
| Cadmium | 106-1 | -1.46 | -0.75 | -0.48 | -0.89 | | ppb |
| Cadmium | 111-1 | -0.07 | 0.00 | 0.00 | -0.02 | | ppb |
| Calcium | 43-1 | 11.47 | 7.21 | 3.91 | 7.53 | 50.33 | ppb |
| Calcium | 44-1 | -6.67 | -9.22 | -10.16 | -8.68 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.02 | 0.04 | 0.02 | 0.03 | 28.23 | ppb |
| Cobalt | 59-2 | 0.01 | 0.01 | 0.02 | 0.01 | 59.02 | ppb |
| Copper | 63-2 | 0.12 | 0.10 | 0.21 | 0.15 | 40.20 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 107 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 5.38 | 5.05 | 5.32 | 5.25 | 3.34 | ppb |
| Iron | 57-2 | 2.36 | 4.67 | 2.01 | 3.01 | 47.85 | ppb |
| Iron | 54-2 | 4.86 | 5.13 | 5.36 | 5.12 | 4.93 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB038 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB038 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:59:56 | DataFile Name : | 086CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.30 | 0.17 | 0.17 | 0.21 | 35.56 | ppb |
| Lead | 207-1 | 0.24 | 0.16 | 0.14 | 0.18 | 28.57 | ppb |
| Lead | 208-1 | 0.24 | 0.17 | 0.15 | 0.18 | 24.55 | ppb |
| Lithium | 6-1 | | | | 105 | | % |
| Magnesium | 24-2 | 9.87 | 9.40 | 10.53 | 9.93 | 5.73 | ppb |
| Manganese | 55-2 | 0.20 | 0.15 | 0.16 | 0.17 | 16.34 | ppb |
| Molybdenum | 94-1 | 0.39 | 0.39 | 0.34 | 0.37 | 8.93 | ppb |
| Molybdenum | 95-1 | 0.33 | 0.28 | 0.30 | 0.30 | 8.24 | ppb |
| Molybdenum | 96-1 | 0.32 | 0.34 | 0.35 | 0.34 | 4.77 | ppb |
| Molybdenum | 97-1 | 0.38 | 0.29 | 0.33 | 0.33 | 13.84 | ppb |
| Molybdenum | 98-1 | 0.35 | 0.32 | 0.32 | 0.33 | 5.85 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.02 | 0.01 | 0.00 | 0.01 | 80.07 | ppb |
| Phosphorus | 31-2 | -17.55 | -24.15 | -21.10 | -20.94 | | ppb |
| Potassium | 39-2 | 8.13 | 11.85 | 16.68 | 12.22 | 35.06 | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 96 | | % |
| Selenium | 82-1 | 0.62 | 0.27 | 0.04 | 0.31 | 94.77 | ppb |
| Selenium | 77-2 | -0.37 | -0.37 | -0.37 | -0.37 | | ppb |
| Selenium | 78-2 | -1.03 | 1.76 | -1.07 | -0.11 | | ppb |
| Silicon | 28-1 | -2.15 | -2.54 | -2.12 | -2.27 | | ppb |
| Silver | 107-1 | 0.14 | 0.05 | 0.04 | 0.07 | 72.18 | ppb |
| Silver | 109-1 | 0.07 | 0.05 | 0.04 | 0.05 | 31.01 | ppb |
| Sodium | 23-2 | 35.49 | 33.93 | 37.90 | 35.78 | 5.60 | ppb |
| Strontium | 86-1 | 0.53 | 0.45 | 0.37 | 0.45 | 17.03 | ppb |
| Strontium | 88-1 | 0.61 | 0.48 | 0.45 | 0.52 | 16.16 | ppb |
| Sulfur | 34-1 | -964.37 | -652.65 | -612.57 | -743.20 | | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 0.10 | 0.08 | 0.08 | 0.09 | 14.10 | ppb |
| Thallium | 205-1 | 0.10 | 0.07 | 0.06 | 0.08 | 24.53 | ppb |
| Tin | 118-1 | 0.08 | 0.09 | 0.08 | 0.08 | 1.79 | ppb |
| Titanium | 47-1 | 0.29 | 0.14 | 0.19 | 0.20 | 37.39 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB038 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB038 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:59:56 | DataFile Name : | 086CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.03 | 0.02 | 0.02 | 0.02 | 36.40 | ppb |
| Vanadium | 51-2 | 0.01 | 0.01 | 0.01 | 0.01 | 5.89 | ppb |
| Yttrium | 89-1 | | | | 101 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | 0.00 | 0.13 | 0.13 | 0.09 | 82.87 | ppb |
| Zirconium | 90-1 | 0.04 | 0.04 | 0.03 | 0.04 | 10.36 | ppb |
| Zirconium | 91-1 | 0.03 | 0.05 | 0.02 | 0.03 | 50.80 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-07 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE476 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:03:12 | DataFile Name : | 087SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 57388.58 | 57996.38 | 57836.87 | 57740.61 | 0.55 | ppb |
| Antimony | 121-1 | 1.85 | 1.84 | 1.88 | 1.86 | 0.98 | ppb |
| Arsenic | 75-2 | 98.38 | 95.23 | 94.68 | 96.10 | 2.08 | ppb |
| Barium | 135-1 | 574.29 | 587.08 | 583.85 | 581.74 | 1.14 | ppb |
| Barium | 137-1 | 571.73 | 582.40 | 587.66 | 580.60 | 1.40 | ppb |
| Beryllium | 9-1 | 2.12 | 2.14 | 1.96 | 2.07 | 4.73 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.25 | 2.35 | 2.98 | 2.53 | 15.77 | ppb |
| Cadmium | 106-1 | 2.68 | 1.44 | 2.86 | 2.33 | 33.31 | ppb |
| Cadmium | 111-1 | 1.48 | 1.41 | 1.41 | 1.43 | 2.92 | ppb |
| Calcium | 43-1 | 22614.51 | 23020.97 | 23399.72 | 23011.73 | 1.71 | ppb |
| Calcium | 44-1 | 22028.18 | 22063.80 | 22632.72 | 22241.57 | 1.53 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 114.52 | 113.00 | 114.34 | 113.95 | 0.73 | ppb |
| Cobalt | 59-2 | 51.23 | 50.95 | 50.68 | 50.95 | 0.54 | ppb |
| Copper | 63-2 | 245.78 | 243.96 | 245.15 | 244.96 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 106185.07 | 104343.54 | 105488.59 | 105339.07 | 0.88 | ppb |
| Iron | 57-2 | 105159.68 | 102523.76 | 103309.14 | 103664.20 | 1.31 | ppb |
| Iron | 54-2 | 105617.90 | 103653.90 | 105088.23 | 104786.68 | 0.97 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-07 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE476 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:03:12 | DataFile Name : | 087SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 53.85 | 55.29 | 54.50 | 54.55 | 1.32 | ppb |
| Lead | 207-1 | 51.44 | 53.69 | 52.60 | 52.58 | 2.14 | ppb |
| Lead | 208-1 | 51.98 | 53.56 | 53.05 | 52.86 | 1.53 | ppb |
| Lithium | 6-1 | | | | 99 | | % |
| Magnesium | 24-2 | 24270.88 | 24047.21 | 23857.82 | 24058.64 | 0.86 | ppb |
| Manganese | 55-2 | 2917.79 | 2865.41 | 2884.32 | 2889.17 | 0.92 | ppb |
| Molybdenum | 94-1 | 19.83 | 20.44 | 20.32 | 20.20 | 1.61 | ppb |
| Molybdenum | 95-1 | 1.74 | 1.78 | 1.79 | 1.77 | 1.54 | ppb |
| Molybdenum | 96-1 | 4.20 | 4.25 | 4.35 | 4.27 | 1.86 | ppb |
| Molybdenum | 97-1 | 1.74 | 1.71 | 1.87 | 1.77 | 4.74 | ppb |
| Molybdenum | 98-1 | 1.66 | 1.66 | 1.68 | 1.67 | 0.73 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 96.19 | 96.91 | 95.44 | 96.18 | 0.77 | ppb |
| Phosphorus | 31-2 | 2803.95 | 2743.32 | 2790.94 | 2779.41 | 1.15 | ppb |
| Potassium | 39-2 | 14234.09 | 13894.07 | 14073.79 | 14067.32 | 1.21 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 106 | | % |
| Scandium | 45-2 | | | | 105 | | % |
| Selenium | 82-1 | 1.91 | 1.17 | 1.81 | 1.63 | 24.64 | ppb |
| Selenium | 77-2 | 20.43 | 21.86 | 21.21 | 21.16 | 3.38 | ppb |
| Selenium | 78-2 | 4.23 | 3.42 | 2.42 | 3.36 | 27.00 | ppb |
| Silicon | 28-1 | 1475.91 | 1465.61 | 1496.09 | 1479.20 | 1.05 | ppb |
| Silver | 107-1 | 0.59 | 0.59 | 0.58 | 0.58 | 0.77 | ppb |
| Silver | 109-1 | 0.58 | 0.57 | 0.57 | 0.57 | 1.10 | ppb |
| Sodium | 23-2 | 349.64 | 349.99 | 347.59 | 349.08 | 0.37 | ppb |
| Strontium | 86-1 | 112.63 | 114.36 | 115.93 | 114.31 | 1.44 | ppb |
| Strontium | 88-1 | 117.75 | 120.56 | 121.97 | 120.09 | 1.79 | ppb |
| Sulfur | 34-1 | -1185.96 | -1594.95 | -1781.13 | -1520.68 | | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.46 | 0.46 | 0.48 | 0.47 | 2.13 | ppb |
| Thallium | 205-1 | 0.46 | 0.48 | 0.46 | 0.46 | 2.41 | ppb |
| Tin | 118-1 | 1.86 | 1.94 | 2.01 | 1.94 | 3.92 | ppb |
| Titanium | 47-1 | 1113.21 | 1129.84 | 1154.35 | 1132.47 | 1.83 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-07 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE476 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:03:12 | DataFile Name : | 087SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.14 | 1.19 | 1.15 | 1.16 | 2.06 | ppb |
| Vanadium | 51-2 | 185.85 | 185.85 | 184.93 | 185.55 | 0.29 | ppb |
| Yttrium | 89-1 | | | | 107 | | % |
| Yttrium | 89-2 | | | | 109 | | % |
| Zinc | 66-2 | 273.83 | 269.83 | 270.02 | 271.23 | 0.83 | ppb |
| Zirconium | 90-1 | 11.35 | 11.53 | 11.67 | 11.52 | 1.36 | ppb |
| Zirconium | 91-1 | 11.41 | 11.70 | 11.59 | 11.57 | 1.27 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-08 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE477 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:06:23 | DataFile Name : | 088SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 46339.03 | 46039.89 | 46139.59 | 46172.83 | 0.33 | ppb |
| Antimony | 121-1 | 2.41 | 2.44 | 2.64 | 2.50 | 4.99 | ppb |
| Arsenic | 75-2 | 116.16 | 117.73 | 114.76 | 116.22 | 1.28 | ppb |
| Barium | 135-1 | 477.89 | 490.67 | 504.93 | 491.16 | 2.75 | ppb |
| Barium | 137-1 | 477.23 | 489.55 | 498.41 | 488.40 | 2.18 | ppb |
| Beryllium | 9-1 | 1.70 | 1.75 | 1.83 | 1.76 | 3.84 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 3.04 | 3.55 | 3.94 | 3.51 | 12.84 | ppb |
| Cadmium | 106-1 | 3.85 | 4.64 | 3.06 | 3.85 | 20.45 | ppb |
| Cadmium | 111-1 | 2.90 | 3.02 | 3.07 | 2.99 | 2.91 | ppb |
| Calcium | 43-1 | 27259.50 | 28239.87 | 28945.21 | 28148.19 | 3.01 | ppb |
| Calcium | 44-1 | 26504.25 | 27054.59 | 28031.30 | 27196.71 | 2.84 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 97.79 | 97.43 | 97.07 | 97.43 | 0.37 | ppb |
| Cobalt | 59-2 | 43.78 | 44.05 | 43.52 | 43.78 | 0.61 | ppb |
| Copper | 63-2 | 411.71 | 407.82 | 408.54 | 409.36 | 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 | | | | 102 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 90513.98 | 89261.13 | 89793.27 | 89856.13 | 0.70 | ppb |
| Iron | 57-2 | 88656.58 | 87836.16 | 88718.90 | 88403.88 | 0.56 | ppb |
| Iron | 54-2 | 90118.22 | 88462.50 | 89697.07 | 89425.93 | 0.96 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-08 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE477 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:06:23 | DataFile Name : | 088SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 88.47 | 90.81 | 93.81 | 91.03 | 2.94 | ppb |
| Lead | 207-1 | 86.31 | 89.64 | 91.16 | 89.03 | 2.79 | ppb |
| Lead | 208-1 | 86.76 | 89.54 | 91.39 | 89.23 | 2.61 | ppb |
| Lithium | 6-1 | | | | 99 | | % |
| Magnesium | 24-2 | 20286.75 | 20214.47 | 20279.20 | 20260.14 | 0.20 | ppb |
| Manganese | 55-2 | 2377.31 | 2327.12 | 2342.61 | 2349.01 | 1.09 | ppb |
| Molybdenum | 94-1 | 24.77 | 25.61 | 26.15 | 25.51 | 2.73 | ppb |
| Molybdenum | 95-1 | 1.32 | 1.39 | 1.43 | 1.38 | 4.02 | ppb |
| Molybdenum | 96-1 | 4.27 | 4.33 | 4.46 | 4.36 | 2.21 | ppb |
| Molybdenum | 97-1 | 1.33 | 1.28 | 1.43 | 1.35 | 5.57 | ppb |
| Molybdenum | 98-1 | 1.31 | 1.27 | 1.37 | 1.32 | 3.88 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 92.08 | 90.06 | 89.81 | 90.65 | 1.37 | ppb |
| Phosphorus | 31-2 | 2610.77 | 2617.24 | 2647.61 | 2625.21 | 0.75 | ppb |
| Potassium | 39-2 | 13205.87 | 13488.16 | 13406.38 | 13366.80 | 1.09 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 104 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 2.59 | 1.39 | 0.90 | 1.63 | 53.57 | ppb |
| Selenium | 77-2 | 14.73 | 12.24 | 17.70 | 14.89 | 18.37 | ppb |
| Selenium | 78-2 | 1.54 | 3.19 | 1.50 | 2.07 | 46.43 | ppb |
| Silicon | 28-1 | 1685.51 | 1735.39 | 1748.47 | 1723.12 | 1.93 | ppb |
| Silver | 107-1 | 1.14 | 1.19 | 1.21 | 1.18 | 3.30 | ppb |
| Silver | 109-1 | 1.13 | 1.27 | 1.26 | 1.22 | 6.35 | ppb |
| Sodium | 23-2 | 278.36 | 279.61 | 275.44 | 277.80 | 0.77 | ppb |
| Strontium | 86-1 | 97.63 | 98.59 | 102.13 | 99.45 | 2.38 | ppb |
| Strontium | 88-1 | 102.10 | 103.11 | 106.73 | 103.98 | 2.34 | ppb |
| Sulfur | 34-1 | -2105.72 | -2098.42 | -1919.30 | -2041.15 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.41 | 0.40 | 0.41 | 0.41 | 1.40 | ppb |
| Thallium | 205-1 | 0.39 | 0.40 | 0.41 | 0.40 | 2.16 | ppb |
| Tin | 118-1 | 2.27 | 2.36 | 2.37 | 2.33 | 2.28 | ppb |
| Titanium | 47-1 | 1016.40 | 1038.94 | 1067.86 | 1041.07 | 2.48 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-08 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE477 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:06:23 | DataFile Name : | 088SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.90 | 0.91 | 0.91 | 0.91 | 0.84 | ppb |
| Vanadium | 51-2 | 165.14 | 164.49 | 163.48 | 164.37 | 0.51 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 329.78 | 325.05 | 329.79 | 328.21 | 0.83 | ppb |
| Zirconium | 90-1 | 14.51 | 14.59 | 15.27 | 14.79 | 2.81 | ppb |
| Zirconium | 91-1 | 14.58 | 14.98 | 15.30 | 14.96 | 2.40 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-09 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE478 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:09:32 | DataFile Name : | 089SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 47907.07 | 47859.45 | 48595.25 | 48120.59 | 0.86 | ppb |
| Antimony | 121-1 | 2.40 | 2.38 | 2.41 | 2.40 | 0.63 | ppb |
| Arsenic | 75-2 | 125.82 | 125.56 | 124.81 | 125.40 | 0.42 | ppb |
| Barium | 135-1 | 551.24 | 546.13 | 552.15 | 549.84 | 0.59 | ppb |
| Barium | 137-1 | 547.78 | 544.42 | 547.65 | 546.61 | 0.35 | ppb |
| Beryllium | 9-1 | 1.74 | 1.78 | 1.86 | 1.79 | 3.65 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 3.75 | 4.07 | 3.64 | 3.82 | 5.84 | ppb |
| Cadmium | 106-1 | 5.38 | 3.63 | 2.87 | 3.96 | 32.55 | ppb |
| Cadmium | 111-1 | 2.95 | 2.94 | 2.89 | 2.93 | 1.07 | ppb |
| Calcium | 43-1 | 41807.22 | 43145.92 | 43441.75 | 42798.30 | 2.04 | ppb |
| Calcium | 44-1 | 40164.35 | 41634.75 | 41646.12 | 41148.41 | 2.07 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 98.40 | 99.62 | 99.46 | 99.16 | 0.67 | ppb |
| Cobalt | 59-2 | 48.52 | 49.13 | 48.94 | 48.86 | 0.65 | ppb |
| Copper | 63-2 | 414.94 | 416.96 | 420.17 | 417.36 | 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 | | | | 103 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 94046.79 | 95197.11 | 93738.71 | 94327.54 | 0.81 | ppb |
| Iron | 57-2 | 91982.24 | 92642.92 | 93134.31 | 92586.49 | 0.62 | ppb |
| Iron | 54-2 | 92770.18 | 93939.63 | 93580.22 | 93430.01 | 0.64 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-09 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE478 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:09:32 | DataFile Name : | 089SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 94.02 | 98.32 | 95.93 | 96.09 | 2.25 | ppb |
| Lead | 207-1 | 92.03 | 94.82 | 93.94 | 93.60 | 1.52 | ppb |
| Lead | 208-1 | 92.10 | 95.58 | 94.32 | 94.00 | 1.88 | ppb |
| Lithium | 6-1 | | | | 99 | | % |
| Magnesium | 24-2 | 22205.16 | 22220.75 | 22343.76 | 22256.56 | 0.34 | ppb |
| Manganese | 55-2 | 2794.44 | 2826.91 | 2784.15 | 2801.84 | 0.80 | ppb |
| Molybdenum | 94-1 | 26.53 | 27.25 | 27.24 | 27.01 | 1.54 | ppb |
| Molybdenum | 95-1 | 1.30 | 1.31 | 1.38 | 1.33 | 3.05 | ppb |
| Molybdenum | 96-1 | 4.42 | 4.53 | 4.71 | 4.55 | 3.22 | ppb |
| Molybdenum | 97-1 | 1.34 | 1.32 | 1.34 | 1.33 | 0.69 | ppb |
| Molybdenum | 98-1 | 1.29 | 1.27 | 1.28 | 1.28 | 0.89 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 100.16 | 101.77 | 102.05 | 101.33 | 1.01 | ppb |
| Phosphorus | 31-2 | 2826.00 | 2840.58 | 2826.70 | 2831.09 | 0.29 | ppb |
| Potassium | 39-2 | 13309.61 | 13447.22 | 13515.34 | 13424.06 | 0.78 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 104 | | % |
| Scandium | 45-2 | | | | 103 | | % |
| Selenium | 82-1 | 1.75 | 2.20 | 1.60 | 1.85 | 16.90 | ppb |
| Selenium | 77-2 | 15.40 | 16.08 | 18.46 | 16.65 | 9.67 | ppb |
| Selenium | 78-2 | 3.87 | 2.55 | 4.71 | 3.71 | 29.29 | ppb |
| Silicon | 28-1 | 1890.06 | 1909.29 | 1960.04 | 1919.80 | 1.88 | ppb |
| Silver | 107-1 | 1.05 | 1.10 | 1.06 | 1.07 | 2.60 | ppb |
| Silver | 109-1 | 1.07 | 1.05 | 1.04 | 1.06 | 1.50 | ppb |
| Sodium | 23-2 | 391.21 | 394.79 | 398.77 | 394.92 | 0.96 | ppb |
| Strontium | 86-1 | 104.29 | 107.31 | 108.67 | 106.75 | 2.10 | ppb |
| Strontium | 88-1 | 111.68 | 110.99 | 113.67 | 112.11 | 1.24 | ppb |
| Sulfur | 34-1 | -1935.05 | -1744.39 | -1710.57 | -1796.67 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | 0.42 | 0.46 | 0.43 | 0.44 | 4.40 | ppb |
| Thallium | 205-1 | 0.40 | 0.44 | 0.41 | 0.42 | 4.47 | ppb |
| Tin | 118-1 | 2.30 | 2.28 | 2.35 | 2.31 | 1.36 | ppb |
| Titanium | 47-1 | 1048.50 | 1082.62 | 1079.13 | 1070.08 | 1.75 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-09 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE478 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:09:32 | DataFile Name : | 089SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.95 | 1.01 | 0.99 | 0.98 | 2.90 | ppb |
| Vanadium | 51-2 | 168.42 | 170.82 | 171.85 | 170.36 | 1.03 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 108 | | % |
| Zinc | 66-2 | 340.25 | 341.10 | 344.69 | 342.02 | 0.69 | ppb |
| Zirconium | 90-1 | 15.54 | 15.95 | 15.96 | 15.82 | 1.53 | ppb |
| Zirconium | 91-1 | 15.26 | 15.65 | 16.01 | 15.64 | 2.41 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-10 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE479 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:12:42 | DataFile Name : | 090SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 42340.29 | 41957.90 | 41730.00 | 42009.39 | 0.73 | ppb |
| Antimony | 121-1 | 1.63 | 1.67 | 1.70 | 1.67 | 2.23 | ppb |
| Arsenic | 75-2 | 81.70 | 83.92 | 84.54 | 83.39 | 1.79 | ppb |
| Barium | 135-1 | 520.49 | 540.65 | 546.70 | 535.95 | 2.56 | ppb |
| Barium | 137-1 | 520.81 | 538.95 | 544.38 | 534.71 | 2.31 | ppb |
| Beryllium | 9-1 | 1.31 | 1.28 | 1.49 | 1.36 | 8.25 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.32 | 2.01 | 2.28 | 1.87 | 26.37 | ppb |
| Cadmium | 106-1 | 1.72 | 2.66 | 1.55 | 1.97 | 30.28 | ppb |
| Cadmium | 111-1 | 0.59 | 0.76 | 0.65 | 0.67 | 13.18 | ppb |
| Calcium | 43-1 | 47841.58 | 48742.36 | 49153.33 | 48579.09 | 1.38 | ppb |
| Calcium | 44-1 | 46923.30 | 46823.43 | 47234.23 | 46993.65 | 0.46 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 89.27 | 88.18 | 87.84 | 88.43 | 0.85 | ppb |
| Cobalt | 59-2 | 41.88 | 41.41 | 41.19 | 41.49 | 0.85 | ppb |
| Copper | 63-2 | 128.27 | 126.50 | 124.88 | 126.55 | 1.34 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 102 | | % |
| Holmium | 165-2 | | | | 102 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 85673.59 | 84677.99 | 84519.57 | 84957.05 | 0.74 | ppb |
| Iron | 57-2 | 84352.08 | 84478.34 | 83575.01 | 84135.14 | 0.58 | ppb |
| Iron | 54-2 | 85955.84 | 84031.85 | 83777.36 | 84588.35 | 1.41 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-10 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE479 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:12:42 | DataFile Name : | 090SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 26.14 | 26.47 | 26.80 | 26.47 | 1.23 | ppb |
| Lead | 207-1 | 24.47 | 25.12 | 25.47 | 25.02 | 2.02 | ppb |
| Lead | 208-1 | 25.00 | 25.54 | 25.80 | 25.45 | 1.60 | ppb |
| Lithium | 6-1 | | | | 98 | | % |
| Magnesium | 24-2 | 25159.68 | 25022.54 | 24679.48 | 24953.90 | 0.99 | ppb |
| Manganese | 55-2 | 1822.37 | 1793.99 | 1804.61 | 1806.99 | 0.79 | ppb |
| Molybdenum | 94-1 | 26.07 | 27.19 | 27.17 | 26.81 | 2.39 | ppb |
| Molybdenum | 95-1 | 0.81 | 0.90 | 0.91 | 0.87 | 6.36 | ppb |
| Molybdenum | 96-1 | 4.00 | 4.14 | 4.02 | 4.05 | 1.84 | ppb |
| Molybdenum | 97-1 | 0.74 | 0.83 | 0.86 | 0.81 | 7.62 | ppb |
| Molybdenum | 98-1 | 0.79 | 0.81 | 0.80 | 0.80 | 0.96 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 94.50 | 92.34 | 92.62 | 93.15 | 1.26 | ppb |
| Phosphorus | 31-2 | 2141.00 | 2186.13 | 2112.44 | 2146.52 | 1.73 | ppb |
| Potassium | 39-2 | 6338.35 | 6219.54 | 6251.40 | 6269.76 | 0.98 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 102 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 0.71 | 0.52 | 0.92 | 0.72 | 28.19 | ppb |
| Selenium | 77-2 | 16.06 | 14.06 | 10.63 | 13.58 | 20.23 | ppb |
| Selenium | 78-2 | 2.74 | 4.54 | -0.58 | 2.23 | 116.11 | ppb |
| Silicon | 28-1 | 1756.51 | 1778.60 | 1790.30 | 1775.14 | 0.97 | ppb |
| Silver | 107-1 | 0.19 | 0.20 | 0.21 | 0.20 | 5.60 | ppb |
| Silver | 109-1 | 0.19 | 0.19 | 0.19 | 0.19 | 1.28 | ppb |
| Sodium | 23-2 | 817.86 | 816.48 | 819.71 | 818.01 | 0.20 | ppb |
| Strontium | 86-1 | 176.34 | 184.81 | 183.77 | 181.64 | 2.54 | ppb |
| Strontium | 88-1 | 185.14 | 194.81 | 193.13 | 191.03 | 2.70 | ppb |
| Sulfur | 34-1 | -1771.65 | -1641.03 | -1521.51 | -1644.73 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.23 | 0.25 | 0.22 | 0.23 | 7.36 | ppb |
| Thallium | 205-1 | 0.23 | 0.24 | 0.25 | 0.24 | 4.24 | ppb |
| Tin | 118-1 | 1.52 | 1.62 | 1.60 | 1.58 | 3.21 | ppb |
| Titanium | 47-1 | 981.21 | 999.18 | 1007.08 | 995.82 | 1.33 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-10 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE479 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:12:42 | DataFile Name : | 090SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.94 | 0.92 | 0.99 | 0.95 | 3.88 | ppb |
| Vanadium | 51-2 | 170.83 | 170.54 | 168.56 | 169.98 | 0.72 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | 164.46 | 164.97 | 160.16 | 163.20 | 1.62 | ppb |
| Zirconium | 90-1 | 15.39 | 16.20 | 16.18 | 15.92 | 2.89 | ppb |
| Zirconium | 91-1 | 15.50 | 16.05 | 16.41 | 15.99 | 2.87 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-11 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE480 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:15:50 | DataFile Name : | 091SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 48302.89 | 48928.41 | 48659.05 | 48630.12 | 0.65 | ppb |
| Antimony | 121-1 | 7.00 | 7.30 | 7.20 | 7.17 | 2.13 | ppb |
| Arsenic | 75-2 | 88.67 | 88.43 | 90.15 | 89.08 | 1.04 | ppb |
| Barium | 135-1 | 511.40 | 529.14 | 523.08 | 521.21 | 1.73 | ppb |
| Barium | 137-1 | 509.09 | 518.47 | 525.32 | 517.63 | 1.57 | ppb |
| Beryllium | 9-1 | 1.64 | 1.70 | 1.92 | 1.75 | 8.24 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.30 | 1.51 | 1.61 | 1.47 | 10.57 | ppb |
| Cadmium | 106-1 | 0.91 | 1.37 | 0.68 | 0.99 | 35.80 | ppb |
| Cadmium | 111-1 | 0.85 | 0.88 | 0.81 | 0.85 | 3.71 | ppb |
| Calcium | 43-1 | 21507.38 | 22076.15 | 21956.30 | 21846.61 | 1.37 | ppb |
| Calcium | 44-1 | 20768.62 | 21163.92 | 21110.54 | 21014.36 | 1.02 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 97.80 | 98.05 | 98.42 | 98.09 | 0.31 | ppb |
| Cobalt | 59-2 | 44.12 | 44.45 | 44.77 | 44.44 | 0.74 | ppb |
| Copper | 63-2 | 172.20 | 172.35 | 172.98 | 172.51 | 0.24 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 89978.06 | 90911.26 | 89959.36 | 90282.89 | 0.60 | ppb |
| Iron | 57-2 | 88788.24 | 89630.84 | 88631.28 | 89016.79 | 0.60 | ppb |
| Iron | 54-2 | 89874.62 | 90138.76 | 89274.85 | 89762.75 | 0.49 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-11 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE480 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:15:50 | DataFile Name : | 091SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 44.87 | 45.19 | 45.72 | 45.26 | 0.95 | ppb |
| Lead | 207-1 | 42.76 | 43.24 | 44.59 | 43.53 | 2.18 | ppb |
| Lead | 208-1 | 43.39 | 43.80 | 44.45 | 43.88 | 1.21 | ppb |
| Lithium | 6-1 | | | | 97 | | % |
| Magnesium | 24-2 | 20444.18 | 20664.38 | 20556.39 | 20554.98 | 0.54 | ppb |
| Manganese | 55-2 | 2837.07 | 2815.43 | 2796.44 | 2816.31 | 0.72 | ppb |
| Molybdenum | 94-1 | 19.22 | 19.78 | 20.11 | 19.70 | 2.28 | ppb |
| Molybdenum | 95-1 | 1.76 | 1.78 | 1.81 | 1.78 | 1.34 | ppb |
| Molybdenum | 96-1 | 4.02 | 4.17 | 4.33 | 4.17 | 3.72 | ppb |
| Molybdenum | 97-1 | 1.73 | 1.81 | 1.84 | 1.79 | 3.21 | ppb |
| Molybdenum | 98-1 | 1.75 | 1.70 | 1.79 | 1.74 | 2.60 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 90.13 | 91.11 | 90.85 | 90.70 | 0.56 | ppb |
| Phosphorus | 31-2 | 2270.82 | 2276.02 | 2288.19 | 2278.34 | 0.39 | ppb |
| Potassium | 39-2 | 10342.02 | 10470.14 | 10539.60 | 10450.59 | 0.96 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 0.86 | 1.29 | 1.45 | 1.20 | 25.29 | ppb |
| Selenium | 77-2 | 17.11 | 17.64 | 13.39 | 16.05 | 14.41 | ppb |
| Selenium | 78-2 | 4.43 | 2.29 | 1.82 | 2.84 | 48.95 | ppb |
| Silicon | 28-1 | 2289.14 | 2305.32 | 2304.80 | 2299.76 | 0.40 | ppb |
| Silver | 107-1 | 0.35 | 0.39 | 0.37 | 0.37 | 5.36 | ppb |
| Silver | 109-1 | 0.35 | 0.38 | 0.38 | 0.37 | 5.25 | ppb |
| Sodium | 23-2 | 277.34 | 281.46 | 285.54 | 281.45 | 1.46 | ppb |
| Strontium | 86-1 | 91.06 | 92.15 | 94.69 | 92.64 | 2.01 | ppb |
| Strontium | 88-1 | 95.11 | 97.76 | 99.77 | 97.55 | 2.39 | ppb |
| Sulfur | 34-1 | -2060.40 | -2203.25 | -2307.57 | -2190.41 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.36 | 0.37 | 0.40 | 0.38 | 4.65 | ppb |
| Thallium | 205-1 | 0.35 | 0.37 | 0.37 | 0.36 | 2.99 | ppb |
| Tin | 118-1 | 1.62 | 1.76 | 1.71 | 1.69 | 4.16 | ppb |
| Titanium | 47-1 | 956.64 | 968.53 | 979.27 | 968.14 | 1.17 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-11 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE480 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:15:50 | DataFile Name : | 091SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.96 | 0.97 | 1.00 | 0.98 | 2.49 | ppb |
| Vanadium | 51-2 | 162.51 | 162.78 | 163.03 | 162.77 | 0.16 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | 209.58 | 212.93 | 216.09 | 212.87 | 1.53 | ppb |
| Zirconium | 90-1 | 10.84 | 11.07 | 11.33 | 11.08 | 2.21 | ppb |
| Zirconium | 91-1 | 10.80 | 11.01 | 11.20 | 11.00 | 1.82 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-15 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE482 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:19:02 | DataFile Name : | 092SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 24037.56 | 23719.08 | 23927.92 | 23894.85 | 0.68 | ppb |
| Antimony | 121-1 | 1.34 | 1.42 | 1.44 | 1.40 | 3.69 | ppb |
| Arsenic | 75-2 | 47.89 | 48.65 | 47.44 | 48.00 | 1.28 | ppb |
| Barium | 135-1 | 384.16 | 391.23 | 395.19 | 390.19 | 1.43 | ppb |
| Barium | 137-1 | 378.41 | 391.60 | 395.31 | 388.44 | 2.29 | ppb |
| Beryllium | 9-1 | 0.96 | 1.04 | 0.90 | 0.97 | 7.33 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 102 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.66 | 0.98 | 0.91 | 0.85 | 19.67 | ppb |
| Cadmium | 106-1 | -0.28 | 0.73 | -0.36 | 0.03 | 2075.59 | ppb |
| Cadmium | 111-1 | 0.47 | 0.61 | 0.52 | 0.53 | 13.30 | ppb |
| Calcium | 43-1 | 31143.84 | 32654.96 | 32536.83 | 32111.88 | 2.62 | ppb |
| Calcium | 44-1 | 30019.58 | 31305.37 | 31227.01 | 30850.65 | 2.34 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 60.80 | 61.17 | 61.24 | 61.07 | 0.39 | ppb |
| Cobalt | 59-2 | 26.76 | 27.00 | 26.82 | 26.86 | 0.46 | ppb |
| Copper | 63-2 | 89.63 | 89.40 | 88.46 | 89.16 | 0.69 | 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 | | | | 101 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 61063.96 | 61756.11 | 61437.30 | 61419.12 | 0.56 | ppb |
| Iron | 57-2 | 60397.90 | 60293.70 | 59964.75 | 60218.78 | 0.38 | ppb |
| Iron | 54-2 | 61403.10 | 60764.85 | 60459.94 | 60875.97 | 0.79 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:Mohan
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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-15 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE482 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:19:02 | DataFile Name : | 092SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 25.93 | 26.82 | 27.30 | 26.68 | 2.61 | ppb |
| Lead | 207-1 | 24.90 | 25.21 | 25.92 | 25.34 | 2.06 | ppb |
| Lead | 208-1 | 25.17 | 25.59 | 26.34 | 25.70 | 2.30 | ppb |
| Lithium | 6-1 | | | | 95 | | % |
| Magnesium | 24-2 | 12682.69 | 12882.91 | 12813.50 | 12793.03 | 0.79 | ppb |
| Manganese | 55-2 | 2838.88 | 2839.40 | 2844.64 | 2840.97 | 0.11 | ppb |
| Molybdenum | 94-1 | 13.62 | 14.54 | 14.32 | 14.16 | 3.42 | ppb |
| Molybdenum | 95-1 | 1.05 | 1.03 | 1.10 | 1.06 | 3.35 | ppb |
| Molybdenum | 96-1 | 2.69 | 2.85 | 2.82 | 2.78 | 3.13 | ppb |
| Molybdenum | 97-1 | 0.88 | 1.10 | 1.10 | 1.03 | 12.39 | ppb |
| Molybdenum | 98-1 | 1.00 | 1.01 | 1.10 | 1.04 | 5.21 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 84.69 | 84.26 | 85.07 | 84.67 | 0.48 | ppb |
| Phosphorus | 31-2 | 1767.85 | 1794.04 | 1772.98 | 1778.29 | 0.78 | ppb |
| Potassium | 39-2 | 5319.24 | 5256.20 | 5211.95 | 5262.46 | 1.02 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 97 | | % |
| Scandium | 45-2 | | | | 96 | | % |
| Selenium | 82-1 | 0.83 | 0.69 | 0.00 | 0.51 | 88.01 | ppb |
| Selenium | 77-2 | 10.94 | 8.40 | 10.32 | 9.88 | 13.39 | ppb |
| Selenium | 78-2 | 1.39 | 3.29 | -0.25 | 1.48 | 119.87 | ppb |
| Silicon | 28-1 | 1447.72 | 1465.26 | 1509.70 | 1474.23 | 2.17 | ppb |
| Silver | 107-1 | 0.14 | 0.14 | 0.16 | 0.15 | 7.58 | ppb |
| Silver | 109-1 | 0.15 | 0.16 | 0.16 | 0.16 | 2.13 | ppb |
| Sodium | 23-2 | 519.30 | 521.85 | 518.87 | 520.01 | 0.31 | ppb |
| Strontium | 86-1 | 107.41 | 111.62 | 112.64 | 110.55 | 2.51 | ppb |
| Strontium | 88-1 | 114.19 | 117.58 | 117.64 | 116.47 | 1.69 | ppb |
| Sulfur | 34-1 | -1565.06 | -1241.31 | -1045.26 | -1283.88 | | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | 0.24 | 0.26 | 0.25 | 0.25 | 4.32 | ppb |
| Thallium | 205-1 | 0.24 | 0.24 | 0.26 | 0.25 | 5.13 | ppb |
| Tin | 118-1 | 1.61 | 1.87 | 1.71 | 1.73 | 7.48 | ppb |
| Titanium | 47-1 | 917.39 | 952.55 | 968.45 | 946.13 | 2.76 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-15 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE482 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:19:02 | DataFile Name : | 092SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.62 | 0.64 | 0.67 | 0.64 | 3.58 | ppb |
| Vanadium | 51-2 | 114.37 | 114.51 | 113.30 | 114.06 | 0.58 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 179.85 | 178.63 | 178.70 | 179.06 | 0.38 | ppb |
| Zirconium | 90-1 | 7.85 | 8.24 | 8.15 | 8.08 | 2.53 | ppb |
| Zirconium | 91-1 | 7.60 | 8.02 | 8.38 | 8.00 | 4.88 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-16 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE483 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:22:11 | DataFile Name : | 093SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 45194.23 | 45297.77 | 44470.25 | 44987.42 | 1.00 | ppb |
| Antimony | 121-1 | 3.00 | 3.14 | 3.23 | 3.12 | 3.79 | ppb |
| Arsenic | 75-2 | 224.97 | 222.08 | 220.16 | 222.40 | 1.09 | ppb |
| Barium | 135-1 | 958.33 | 991.85 | 1017.68 | 989.29 | 3.01 | ppb |
| Barium | 137-1 | 1043.45 | 1081.60 | 1095.28 | 1073.44 | 2.50 | ppb |
| Beryllium | 9-1 | 1.99 | 1.74 | 1.67 | 1.80 | 9.36 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 3.28 | 2.68 | 3.27 | 3.08 | 11.28 | ppb |
| Cadmium | 106-1 | 2.16 | 3.17 | 3.81 | 3.05 | 27.30 | ppb |
| Cadmium | 111-1 | 2.11 | 2.17 | 2.34 | 2.21 | 5.52 | ppb |
| Calcium | 43-1 | 27288.11 | 27877.31 | 27907.79 | 27691.07 | 1.26 | ppb |
| Calcium | 44-1 | 26537.28 | 26970.11 | 26939.32 | 26815.57 | 0.90 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 111.48 | 111.52 | 110.74 | 111.25 | 0.39 | ppb |
| Cobalt | 59-2 | 61.32 | 61.26 | 61.51 | 61.36 | 0.21 | ppb |
| Copper | 63-2 | 303.27 | 302.88 | 301.24 | 302.46 | 0.36 | ppb |
| Dysprosium | 156-1 | | | | | | 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 | | | | 102 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 142421.13 | 144233.20 | 143997.77 | 143550.70 | 0.69 | ppb |
| Iron | 57-2 | 141299.01 | 141962.47 | 142311.91 | 141857.80 | 0.36 | ppb |
| Iron | 54-2 | 142339.48 | 142065.59 | 142368.38 | 142257.82 | 0.12 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-16 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE483 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:22:11 | DataFile Name : | 093SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 87.76 | 90.71 | 90.78 | 89.75 | 1.92 | ppb |
| Lead | 207-1 | 86.91 | 88.58 | 87.99 | 87.83 | 0.96 | ppb |
| Lead | 208-1 | 86.36 | 88.52 | 88.73 | 87.87 | 1.50 | ppb |
| Lithium | 6-1 | | | | 93 | | % |
| Magnesium | 24-2 | 24778.65 | 24789.00 | 24555.22 | 24707.62 | 0.53 | ppb |
| Manganese | 55-2 | 7078.27 | 7010.00 | 7060.24 | 7049.50 | 0.50 | ppb |
| Molybdenum | 94-1 | 25.97 | 26.85 | 26.96 | 26.59 | 2.04 | ppb |
| Molybdenum | 95-1 | 1.68 | 1.62 | 1.67 | 1.66 | 2.19 | ppb |
| Molybdenum | 96-1 | 4.69 | 5.11 | 5.03 | 4.94 | 4.44 | ppb |
| Molybdenum | 97-1 | 1.49 | 1.61 | 1.64 | 1.58 | 5.01 | ppb |
| Molybdenum | 98-1 | 1.55 | 1.46 | 1.58 | 1.53 | 3.89 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 106.55 | 107.04 | 107.72 | 107.10 | 0.55 | ppb |
| Phosphorus | 31-2 | 2199.10 | 2226.19 | 2281.91 | 2235.73 | 1.89 | ppb |
| Potassium | 39-2 | 8265.81 | 8426.59 | 8263.45 | 8318.62 | 1.12 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 102 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 1.14 | 1.11 | 1.00 | 1.08 | 7.15 | ppb |
| Selenium | 77-2 | 15.41 | 19.21 | 16.41 | 17.01 | 11.57 | ppb |
| Selenium | 78-2 | 1.52 | 1.69 | 1.82 | 1.67 | 9.02 | ppb |
| Silicon | 28-1 | 1435.71 | 1475.54 | 1465.20 | 1458.81 | 1.42 | ppb |
| Silver | 107-1 | 0.53 | 0.59 | 0.55 | 0.56 | 5.15 | ppb |
| Silver | 109-1 | 0.53 | 0.55 | 0.54 | 0.54 | 2.37 | ppb |
| Sodium | 23-2 | 214.40 | 215.75 | 213.81 | 214.65 | 0.46 | ppb |
| Strontium | 86-1 | 78.62 | 80.63 | 81.59 | 80.28 | 1.89 | ppb |
| Strontium | 88-1 | 79.37 | 81.14 | 82.58 | 81.03 | 1.98 | ppb |
| Sulfur | 34-1 | -1928.47 | -2001.05 | -2053.88 | -1994.47 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | 0.44 | 0.49 | 0.49 | 0.47 | 6.73 | ppb |
| Thallium | 205-1 | 0.44 | 0.46 | 0.45 | 0.45 | 2.32 | ppb |
| Tin | 118-1 | 1.97 | 2.02 | 2.07 | 2.02 | 2.44 | ppb |
| Titanium | 47-1 | 875.15 | 893.21 | 892.20 | 886.85 | 1.14 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-16 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE483 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:22:11 | DataFile Name : | 093SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.81 | 0.86 | 0.84 | 0.84 | 3.08 | ppb |
| Vanadium | 51-2 | 252.22 | 252.12 | 249.69 | 251.34 | 0.57 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 304.23 | 305.72 | 303.34 | 304.43 | 0.40 | ppb |
| Zirconium | 90-1 | 15.05 | 15.40 | 15.65 | 15.37 | 1.95 | ppb |
| Zirconium | 91-1 | 14.97 | 15.47 | 15.52 | 15.32 | 1.98 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-17 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE484 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:25:21 | DataFile Name : | 094SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 57395.51 | 57456.97 | 57365.11 | 57405.86 | 0.08 | ppb |
| Antimony | 121-1 | 1.52 | 1.59 | 1.60 | 1.57 | 2.73 | ppb |
| Arsenic | 75-2 | 69.37 | 69.42 | 69.74 | 69.51 | 0.29 | ppb |
| Barium | 135-1 | 284.66 | 299.27 | 294.81 | 292.91 | 2.56 | ppb |
| Barium | 137-1 | 285.36 | 300.04 | 294.10 | 293.17 | 2.52 | ppb |
| Beryllium | 9-1 | 0.79 | 0.90 | 0.90 | 0.87 | 7.31 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 101 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.36 | 2.77 | 3.23 | 2.79 | 15.54 | ppb |
| Cadmium | 106-1 | 1.56 | 1.54 | 1.42 | 1.50 | 5.15 | ppb |
| Cadmium | 111-1 | 0.41 | 0.43 | 0.43 | 0.42 | 3.18 | ppb |
| Calcium | 43-1 | 44377.35 | 45090.77 | 46463.35 | 45310.49 | 2.34 | ppb |
| Calcium | 44-1 | 43216.85 | 43640.72 | 44919.48 | 43925.68 | 2.02 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 250.58 | 252.35 | 254.50 | 252.48 | 0.78 | ppb |
| Cobalt | 59-2 | 113.45 | 113.86 | 114.68 | 114.00 | 0.55 | ppb |
| Copper | 63-2 | 313.14 | 316.63 | 318.09 | 315.95 | 0.80 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 118379.60 | 117327.35 | 118413.24 | 118040.06 | 0.52 | ppb |
| Iron | 57-2 | 115359.32 | 115182.89 | 116041.10 | 115527.77 | 0.39 | ppb |
| Iron | 54-2 | 115959.92 | 117068.84 | 117172.06 | 116733.61 | 0.58 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-17 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE484 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:25:21 | DataFile Name : | 094SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 14.17 | 15.13 | 15.22 | 14.84 | 3.93 | ppb |
| Lead | 207-1 | 13.89 | 14.49 | 14.84 | 14.41 | 3.35 | ppb |
| Lead | 208-1 | 13.89 | 14.67 | 14.78 | 14.45 | 3.35 | ppb |
| Lithium | 6-1 | | | | 91 | | % |
| Magnesium | 24-2 | 43223.43 | 43221.20 | 44193.90 | 43546.17 | 1.29 | ppb |
| Manganese | 55-2 | 2542.00 | 2487.30 | 2523.36 | 2517.55 | 1.10 | ppb |
| Molybdenum | 94-1 | 20.82 | 21.72 | 23.33 | 21.96 | 5.79 | ppb |
| Molybdenum | 95-1 | 0.84 | 0.84 | 0.82 | 0.83 | 1.35 | ppb |
| Molybdenum | 96-1 | 3.58 | 3.74 | 3.82 | 3.71 | 3.33 | ppb |
| Molybdenum | 97-1 | 0.79 | 0.90 | 0.77 | 0.82 | 8.76 | ppb |
| Molybdenum | 98-1 | 0.73 | 0.79 | 0.81 | 0.78 | 5.35 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 209.21 | 206.00 | 210.85 | 208.69 | 1.18 | ppb |
| Phosphorus | 31-2 | 1581.10 | 1618.30 | 1581.01 | 1593.47 | 1.35 | ppb |
| Potassium | 39-2 | 3363.57 | 3368.59 | 3406.97 | 3379.71 | 0.70 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 103 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 1.26 | 1.21 | 0.98 | 1.15 | 13.23 | ppb |
| Selenium | 77-2 | 6.40 | 7.84 | 8.69 | 7.64 | 15.15 | ppb |
| Selenium | 78-2 | 2.48 | 1.32 | 0.65 | 1.48 | 62.40 | ppb |
| Silicon | 28-1 | 1798.84 | 1856.67 | 1899.79 | 1851.77 | 2.74 | ppb |
| Silver | 107-1 | 0.18 | 0.17 | 0.18 | 0.18 | 4.42 | ppb |
| Silver | 109-1 | 0.14 | 0.16 | 0.17 | 0.16 | 11.87 | ppb |
| Sodium | 23-2 | 913.14 | 924.19 | 934.00 | 923.78 | 1.13 | ppb |
| Strontium | 86-1 | 256.39 | 266.87 | 267.61 | 263.62 | 2.38 | ppb |
| Strontium | 88-1 | 270.96 | 280.24 | 283.62 | 278.27 | 2.36 | ppb |
| Sulfur | 34-1 | -2148.10 | -2182.67 | -1968.21 | -2099.66 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | 0.13 | 0.11 | 0.12 | 0.12 | 5.60 | ppb |
| Thallium | 205-1 | 0.12 | 0.12 | 0.13 | 0.12 | 5.65 | ppb |
| Tin | 118-1 | 1.33 | 1.29 | 1.33 | 1.32 | 1.67 | ppb |
| Titanium | 47-1 | 1624.37 | 1682.18 | 1728.34 | 1678.30 | 3.10 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-17 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE484 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:25:21 | DataFile Name : | 094SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.58 | 0.58 | 0.59 | 0.59 | 1.08 | ppb |
| Vanadium | 51-2 | 254.91 | 256.48 | 257.31 | 256.23 | 0.48 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | 151.37 | 151.36 | 153.05 | 151.93 | 0.64 | ppb |
| Zirconium | 90-1 | 12.39 | 12.76 | 12.68 | 12.61 | 1.56 | ppb |
| Zirconium | 91-1 | 12.12 | 12.79 | 12.69 | 12.53 | 2.89 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-18 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE485 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:28:29 | DataFile Name : | 095SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 38399.49 | 39053.85 | 38916.67 | 38790.00 | 0.89 | ppb |
| Antimony | 121-1 | 1.58 | 1.49 | 1.49 | 1.52 | 3.61 | ppb |
| Arsenic | 75-2 | 116.88 | 115.10 | 114.07 | 115.35 | 1.23 | ppb |
| Barium | 135-1 | 645.80 | 628.23 | 640.56 | 638.20 | 1.41 | ppb |
| Barium | 137-1 | 641.26 | 626.41 | 632.79 | 633.49 | 1.18 | ppb |
| Beryllium | 9-1 | 1.23 | 1.27 | 1.29 | 1.26 | 2.80 | ppb |
| Bismuth | 209-1 | | | | 102 | | % |
| Bismuth | 209-2 | | | | 102 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.66 | 2.58 | 2.38 | 2.54 | 5.63 | ppb |
| Cadmium | 106-1 | 4.42 | 3.27 | 3.72 | 3.81 | 15.25 | ppb |
| Cadmium | 111-1 | 0.71 | 0.67 | 0.70 | 0.69 | 2.60 | ppb |
| Calcium | 43-1 | 89366.06 | 87475.60 | 87694.56 | 88178.74 | 1.17 | ppb |
| Calcium | 44-1 | 89081.07 | 87645.59 | 89726.21 | 88817.62 | 1.20 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 106.65 | 107.72 | 106.50 | 106.95 | 0.62 | ppb |
| Cobalt | 59-2 | 41.40 | 42.40 | 42.09 | 41.97 | 1.22 | ppb |
| Copper | 63-2 | 120.69 | 121.61 | 120.78 | 121.02 | 0.42 | 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 | | | | 101 | | % |
| Holmium | 165-2 | | | | 102 | | % |
| Indium | 115-1 | | | | 96 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 88520.72 | 89135.80 | 88819.22 | 88825.25 | 0.35 | ppb |
| Iron | 57-2 | 87439.25 | 88568.30 | 88160.87 | 88056.14 | 0.65 | ppb |
| Iron | 54-2 | 88181.24 | 88261.43 | 87345.23 | 87929.30 | 0.58 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-18 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE485 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:28:29 | DataFile Name : | 095SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 22.16 | 21.69 | 21.61 | 21.82 | 1.35 | ppb |
| Lead | 207-1 | 20.92 | 20.04 | 20.39 | 20.45 | 2.15 | ppb |
| Lead | 208-1 | 21.29 | 20.68 | 20.70 | 20.89 | 1.68 | ppb |
| Lithium | 6-1 | | | | 90 | | % |
| Magnesium | 24-2 | 38687.56 | 39054.33 | 38945.66 | 38895.85 | 0.48 | ppb |
| Manganese | 55-2 | 1958.31 | 1992.22 | 1958.03 | 1969.52 | 1.00 | ppb |
| Molybdenum | 94-1 | 43.56 | 44.01 | 43.23 | 43.60 | 0.90 | ppb |
| Molybdenum | 95-1 | 0.95 | 0.98 | 0.96 | 0.97 | 1.39 | ppb |
| Molybdenum | 96-1 | 6.06 | 5.97 | 5.75 | 5.93 | 2.69 | ppb |
| Molybdenum | 97-1 | 0.99 | 0.96 | 0.94 | 0.96 | 2.26 | ppb |
| Molybdenum | 98-1 | 0.94 | 0.93 | 0.90 | 0.92 | 2.12 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 121.62 | 121.93 | 120.83 | 121.46 | 0.47 | ppb |
| Phosphorus | 31-2 | 2434.33 | 2479.16 | 2418.60 | 2444.03 | 1.29 | ppb |
| Potassium | 39-2 | 4566.22 | 4636.77 | 4664.68 | 4622.56 | 1.10 | ppb |
| Rhodium | 103-1 | | | | 93 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 98 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 1.51 | 0.18 | 0.96 | 0.88 | 75.78 | ppb |
| Selenium | 77-2 | 11.52 | 14.80 | 11.67 | 12.66 | 14.66 | ppb |
| Selenium | 78-2 | 3.18 | 1.28 | 1.00 | 1.82 | 65.11 | ppb |
| Silicon | 28-1 | 1787.49 | 1727.32 | 1757.18 | 1757.33 | 1.71 | ppb |
| Silver | 107-1 | 0.17 | 0.16 | 0.16 | 0.16 | 2.61 | ppb |
| Silver | 109-1 | 0.13 | 0.14 | 0.14 | 0.14 | 5.15 | ppb |
| Sodium | 23-2 | 931.06 | 942.08 | 951.18 | 941.44 | 1.07 | ppb |
| Strontium | 86-1 | 262.41 | 261.58 | 258.91 | 260.96 | 0.70 | ppb |
| Strontium | 88-1 | 273.95 | 275.05 | 272.97 | 273.99 | 0.38 | ppb |
| Sulfur | 34-1 | -477.24 | -795.21 | -681.58 | -651.34 | | ppb |
| Terbium | 159-1 | | | | 99 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | 0.23 | 0.22 | 0.23 | 0.22 | 3.74 | ppb |
| Thallium | 205-1 | 0.21 | 0.22 | 0.20 | 0.21 | 5.44 | ppb |
| Tin | 118-1 | 1.97 | 2.02 | 2.00 | 2.00 | 1.37 | ppb |
| Titanium | 47-1 | 1450.35 | 1413.39 | 1438.94 | 1434.23 | 1.32 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-18 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE485 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:28:29 | DataFile Name : | 095SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.93 | 0.94 | 0.92 | 0.93 | 1.30 | ppb |
| Vanadium | 51-2 | 173.71 | 173.79 | 174.02 | 173.84 | 0.09 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 163.14 | 165.14 | 163.36 | 163.88 | 0.67 | ppb |
| Zirconium | 90-1 | 25.89 | 25.81 | 25.87 | 25.86 | 0.17 | ppb |
| Zirconium | 91-1 | 25.57 | 26.19 | 25.52 | 25.76 | 1.44 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-19 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE486 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:31:40 | DataFile Name : | 096SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 47619.39 | 47289.46 | 47158.77 | 47355.88 | 0.50 | ppb |
| Antimony | 121-1 | 1.88 | 1.99 | 1.94 | 1.93 | 2.71 | ppb |
| Arsenic | 75-2 | 124.42 | 125.31 | 125.80 | 125.18 | 0.56 | ppb |
| Barium | 135-1 | 548.24 | 564.19 | 560.18 | 557.54 | 1.49 | ppb |
| Barium | 137-1 | 555.41 | 565.14 | 554.12 | 558.22 | 1.08 | ppb |
| Beryllium | 9-1 | 1.76 | 1.99 | 2.00 | 1.92 | 6.96 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 101 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.28 | 2.57 | 2.20 | 2.35 | 8.38 | ppb |
| Cadmium | 106-1 | 2.16 | 1.19 | 1.72 | 1.69 | 28.63 | ppb |
| Cadmium | 111-1 | 0.77 | 0.69 | 0.85 | 0.77 | 10.27 | ppb |
| Calcium | 43-1 | 49365.75 | 51142.40 | 49569.42 | 50025.86 | 1.94 | ppb |
| Calcium | 44-1 | 48489.43 | 49416.38 | 48915.27 | 48940.36 | 0.95 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 104.45 | 104.47 | 105.47 | 104.80 | 0.56 | ppb |
| Cobalt | 59-2 | 47.09 | 47.22 | 47.59 | 47.30 | 0.55 | ppb |
| Copper | 63-2 | 156.48 | 156.38 | 157.16 | 156.67 | 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 | | | | 100 | | % |
| Holmium | 165-2 | | | | 102 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 129599.10 | 127988.93 | 130241.59 | 129276.54 | 0.90 | ppb |
| Iron | 57-2 | 127881.76 | 127737.10 | 129466.56 | 128361.81 | 0.75 | ppb |
| Iron | 54-2 | 129963.72 | 128380.81 | 129163.85 | 129169.46 | 0.61 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-19 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE486 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:31:40 | DataFile Name : | 096SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 45.48 | 46.66 | 46.90 | 46.35 | 1.64 | ppb |
| Lead | 207-1 | 43.91 | 45.00 | 45.21 | 44.71 | 1.56 | ppb |
| Lead | 208-1 | 44.14 | 45.47 | 45.57 | 45.06 | 1.77 | ppb |
| Lithium | 6-1 | | | | 87 | | % |
| Magnesium | 24-2 | 21710.15 | 21861.11 | 21931.30 | 21834.19 | 0.52 | ppb |
| Manganese | 55-2 | 3681.79 | 3705.94 | 3729.98 | 3705.90 | 0.65 | ppb |
| Molybdenum | 94-1 | 29.61 | 30.75 | 30.18 | 30.18 | 1.88 | ppb |
| Molybdenum | 95-1 | 1.38 | 1.37 | 1.36 | 1.37 | 0.79 | ppb |
| Molybdenum | 96-1 | 5.02 | 5.12 | 5.13 | 5.09 | 1.14 | ppb |
| Molybdenum | 97-1 | 1.28 | 1.30 | 1.29 | 1.29 | 0.56 | ppb |
| Molybdenum | 98-1 | 1.26 | 1.27 | 1.23 | 1.25 | 1.66 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 103.99 | 102.11 | 102.30 | 102.80 | 1.01 | ppb |
| Phosphorus | 31-2 | 1719.95 | 1757.39 | 1725.44 | 1734.26 | 1.17 | ppb |
| Potassium | 39-2 | 7512.86 | 7638.60 | 7634.63 | 7595.37 | 0.94 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 102 | | % |
| Selenium | 82-1 | 1.64 | 0.99 | 0.82 | 1.15 | 37.74 | ppb |
| Selenium | 77-2 | 18.19 | 12.82 | 15.76 | 15.59 | 17.25 | ppb |
| Selenium | 78-2 | 2.45 | 2.32 | 1.30 | 2.02 | 30.97 | ppb |
| Silicon | 28-1 | 1823.57 | 1872.80 | 1854.03 | 1850.13 | 1.34 | ppb |
| Silver | 107-1 | 0.23 | 0.23 | 0.22 | 0.23 | 3.00 | ppb |
| Silver | 109-1 | 0.20 | 0.21 | 0.20 | 0.20 | 2.70 | ppb |
| Sodium | 23-2 | 346.83 | 346.79 | 352.53 | 348.72 | 0.95 | ppb |
| Strontium | 86-1 | 103.06 | 107.29 | 106.01 | 105.45 | 2.05 | ppb |
| Strontium | 88-1 | 109.51 | 113.11 | 112.19 | 111.60 | 1.68 | ppb |
| Sulfur | 34-1 | -1098.09 | -1233.30 | -1484.86 | -1272.08 | | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | 0.37 | 0.45 | 0.40 | 0.41 | 8.65 | ppb |
| Thallium | 205-1 | 0.37 | 0.43 | 0.42 | 0.41 | 8.02 | ppb |
| Tin | 118-1 | 3.50 | 3.60 | 3.54 | 3.55 | 1.39 | ppb |
| Titanium | 47-1 | 1075.66 | 1113.81 | 1090.13 | 1093.20 | 1.76 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-19 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE486 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:31:40 | DataFile Name : | 096SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.85 | 0.85 | 0.85 | 0.85 | 0.33 | ppb |
| Vanadium | 51-2 | 222.26 | 219.66 | 221.63 | 221.18 | 0.61 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | 225.66 | 224.07 | 226.67 | 225.47 | 0.58 | ppb |
| Zirconium | 90-1 | 17.35 | 17.85 | 17.93 | 17.71 | 1.76 | ppb |
| Zirconium | 91-1 | 17.14 | 18.11 | 17.71 | 17.65 | 2.76 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE487 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:34:49 | DataFile Name : | 097SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 58014.60 | 58000.98 | 57708.30 | 57907.96 | 0.30 | ppb |
| Antimony | 121-1 | 1.24 | 1.21 | 1.28 | 1.24 | 2.92 | ppb |
| Arsenic | 75-2 | 96.92 | 100.57 | 97.97 | 98.49 | 1.91 | ppb |
| Barium | 135-1 | 625.84 | 637.28 | 639.84 | 634.32 | 1.17 | ppb |
| Barium | 137-1 | 674.34 | 682.73 | 688.11 | 681.73 | 1.02 | ppb |
| Beryllium | 9-1 | 1.97 | 1.92 | 1.87 | 1.92 | 2.85 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.28 | 2.30 | 2.31 | 2.29 | 0.73 | ppb |
| Cadmium | 106-1 | 2.87 | 1.99 | 2.36 | 2.41 | 18.53 | ppb |
| Cadmium | 111-1 | 1.14 | 1.08 | 1.16 | 1.13 | 3.52 | ppb |
| Calcium | 43-1 | 20718.44 | 20752.59 | 21171.78 | 20880.94 | 1.21 | ppb |
| Calcium | 44-1 | 19868.28 | 20016.93 | 20774.43 | 20219.88 | 2.40 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 112.96 | 112.95 | 112.62 | 112.84 | 0.17 | ppb |
| Cobalt | 59-2 | 52.25 | 52.62 | 51.25 | 52.04 | 1.37 | ppb |
| Copper | 63-2 | 191.82 | 192.14 | 187.65 | 190.54 | 1.31 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 102 | | % |
| Holmium | 165-2 | | | | 102 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 103787.59 | 103572.55 | 103205.97 | 103522.04 | 0.28 | ppb |
| Iron | 57-2 | 102494.84 | 101787.57 | 101619.29 | 101967.23 | 0.46 | ppb |
| Iron | 54-2 | 104083.62 | 104650.97 | 102487.74 | 103740.78 | 1.08 | ppb |
| Krypton | 83-1 | | | | | | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE487 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:34:49 | DataFile Name : | 097SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 44.26 | 44.87 | 45.57 | 44.90 | 1.46 | ppb |
| Lead | 207-1 | 42.37 | 42.35 | 43.31 | 42.68 | 1.29 | ppb |
| Lead | 208-1 | 42.70 | 43.04 | 44.03 | 43.26 | 1.60 | ppb |
| Lithium | 6-1 | | | | 91 | | % |
| Magnesium | 24-2 | 23701.40 | 23838.81 | 23805.49 | 23781.90 | 0.30 | ppb |
| Manganese | 55-2 | 3632.90 | 3569.82 | 3562.37 | 3588.36 | 1.08 | ppb |
| Molybdenum | 94-1 | 23.40 | 24.05 | 24.11 | 23.85 | 1.65 | ppb |
| Molybdenum | 95-1 | 1.75 | 1.87 | 1.88 | 1.83 | 3.86 | ppb |
| Molybdenum | 96-1 | 4.46 | 4.88 | 4.69 | 4.68 | 4.55 | ppb |
| Molybdenum | 97-1 | 1.74 | 1.79 | 1.87 | 1.80 | 3.83 | ppb |
| Molybdenum | 98-1 | 1.66 | 1.67 | 1.77 | 1.70 | 3.60 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 94.40 | 93.12 | 92.72 | 93.42 | 0.94 | ppb |
| Phosphorus | 31-2 | 2515.37 | 2507.13 | 2539.15 | 2520.55 | 0.66 | ppb |
| Potassium | 39-2 | 12913.96 | 12814.71 | 12723.63 | 12817.43 | 0.74 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 102 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 0.73 | 0.47 | 1.61 | 0.94 | 63.65 | ppb |
| Selenium | 77-2 | 19.79 | 17.42 | 21.19 | 19.47 | 9.77 | ppb |
| Selenium | 78-2 | 4.65 | 2.82 | 1.82 | 3.10 | 46.41 | ppb |
| Silicon | 28-1 | 2017.48 | 2037.57 | 2065.47 | 2040.17 | 1.18 | ppb |
| Silver | 107-1 | 0.41 | 0.40 | 0.39 | 0.40 | 2.55 | ppb |
| Silver | 109-1 | 0.36 | 0.42 | 0.41 | 0.40 | 7.87 | ppb |
| Sodium | 23-2 | 294.48 | 294.67 | 292.34 | 293.83 | 0.44 | ppb |
| Strontium | 86-1 | 101.12 | 103.64 | 105.80 | 103.52 | 2.26 | ppb |
| Strontium | 88-1 | 108.70 | 110.42 | 109.34 | 109.49 | 0.79 | ppb |
| Sulfur | 34-1 | -2038.60 | -2292.54 | -2241.85 | -2191.00 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.43 | 0.43 | 0.42 | 0.43 | 1.06 | ppb |
| Thallium | 205-1 | 0.41 | 0.42 | 0.41 | 0.42 | 1.48 | ppb |
| Tin | 118-1 | 2.94 | 3.02 | 2.98 | 2.98 | 1.39 | ppb |
| Titanium | 47-1 | 1153.99 | 1156.65 | 1184.22 | 1164.96 | 1.44 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE487 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:34:49 | DataFile Name : | 097SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.18 | 1.19 | 1.22 | 1.20 | 1.85 | ppb |
| Vanadium | 51-2 | 182.86 | 182.11 | 180.68 | 181.89 | 0.61 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 244.84 | 243.14 | 241.19 | 243.05 | 0.75 | ppb |
| Zirconium | 90-1 | 13.39 | 13.70 | 13.96 | 13.68 | 2.09 | ppb |
| Zirconium | 91-1 | 13.07 | 13.52 | 13.60 | 13.40 | 2.12 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-21 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE488 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:38:00 | DataFile Name : | 098SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 41821.84 | 41059.61 | 41622.73 | 41501.40 | 0.95 | ppb |
| Antimony | 121-1 | 2.21 | 2.25 | 2.17 | 2.21 | 1.68 | ppb |
| Arsenic | 75-2 | 96.45 | 96.33 | 93.76 | 95.51 | 1.59 | ppb |
| Barium | 135-1 | 458.88 | 470.68 | 465.95 | 465.17 | 1.28 | ppb |
| Barium | 137-1 | 461.60 | 468.85 | 464.20 | 464.88 | 0.79 | ppb |
| Beryllium | 9-1 | 1.56 | 1.59 | 1.51 | 1.55 | 2.62 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.72 | 2.25 | 2.25 | 2.41 | 11.28 | ppb |
| Cadmium | 106-1 | 2.95 | 1.80 | 2.17 | 2.30 | 25.49 | ppb |
| Cadmium | 111-1 | 1.89 | 1.95 | 1.85 | 1.89 | 2.67 | ppb |
| Calcium | 43-1 | 22635.48 | 23842.70 | 23822.60 | 23433.59 | 2.95 | ppb |
| Calcium | 44-1 | 22058.55 | 22885.68 | 22385.88 | 22443.37 | 1.86 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 91.41 | 91.32 | 90.08 | 90.94 | 0.82 | ppb |
| Cobalt | 59-2 | 40.45 | 40.08 | 40.66 | 40.40 | 0.73 | ppb |
| Copper | 63-2 | 280.52 | 278.08 | 279.77 | 279.46 | 0.45 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 103 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 83041.00 | 82923.66 | 82839.59 | 82934.75 | 0.12 | ppb |
| Iron | 57-2 | 82738.58 | 82131.22 | 82105.82 | 82325.21 | 0.44 | ppb |
| Iron | 54-2 | 82931.22 | 82580.07 | 83246.38 | 82919.22 | 0.40 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:Mohan
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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-21 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE488 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:38:00 | DataFile Name : | 098SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 67.88 | 68.53 | 69.59 | 68.66 | 1.25 | ppb |
| Lead | 207-1 | 65.57 | 66.99 | 67.56 | 66.71 | 1.53 | ppb |
| Lead | 208-1 | 66.27 | 67.04 | 67.63 | 66.98 | 1.01 | ppb |
| Lithium | 6-1 | | | | 94 | | % |
| Magnesium | 24-2 | 19534.47 | 19494.35 | 19500.68 | 19509.83 | 0.11 | ppb |
| Manganese | 55-2 | 2568.81 | 2586.15 | 2593.37 | 2582.78 | 0.49 | ppb |
| Molybdenum | 94-1 | 19.11 | 20.16 | 20.34 | 19.87 | 3.35 | ppb |
| Molybdenum | 95-1 | 2.45 | 2.60 | 2.61 | 2.55 | 3.40 | ppb |
| Molybdenum | 96-1 | 4.70 | 4.68 | 4.82 | 4.73 | 1.67 | ppb |
| Molybdenum | 97-1 | 2.46 | 2.46 | 2.61 | 2.51 | 3.40 | ppb |
| Molybdenum | 98-1 | 2.39 | 2.41 | 2.51 | 2.44 | 2.73 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 79.30 | 80.35 | 78.94 | 79.53 | 0.92 | ppb |
| Phosphorus | 31-2 | 2709.87 | 2765.81 | 2843.57 | 2773.08 | 2.42 | ppb |
| Potassium | 39-2 | 13002.82 | 13018.22 | 13076.58 | 13032.54 | 0.30 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 102 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 1.27 | 1.60 | 0.61 | 1.16 | 43.66 | ppb |
| Selenium | 77-2 | 10.83 | 11.29 | 13.14 | 11.75 | 10.39 | ppb |
| Selenium | 78-2 | 1.17 | 4.50 | 0.20 | 1.96 | 115.12 | ppb |
| Silicon | 28-1 | 1829.32 | 1883.92 | 1864.87 | 1859.37 | 1.49 | ppb |
| Silver | 107-1 | 0.78 | 0.80 | 0.83 | 0.80 | 3.15 | ppb |
| Silver | 109-1 | 0.74 | 0.76 | 0.76 | 0.75 | 1.54 | ppb |
| Sodium | 23-2 | 303.66 | 310.55 | 308.59 | 307.60 | 1.15 | ppb |
| Strontium | 86-1 | 156.03 | 157.03 | 159.44 | 157.50 | 1.11 | ppb |
| Strontium | 88-1 | 163.43 | 164.40 | 166.60 | 164.81 | 0.99 | ppb |
| Sulfur | 34-1 | -1922.66 | -1809.59 | -1784.52 | -1838.93 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.35 | 0.32 | 0.35 | 0.34 | 4.59 | ppb |
| Thallium | 205-1 | 0.34 | 0.35 | 0.34 | 0.34 | 2.07 | ppb |
| Tin | 118-1 | 2.11 | 2.17 | 2.11 | 2.13 | 1.55 | ppb |
| Titanium | 47-1 | 932.95 | 972.38 | 969.98 | 958.44 | 2.31 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-21 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE488 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:38:00 | DataFile Name : | 098SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.92 | 0.95 | 0.96 | 0.94 | 2.33 | ppb |
| Vanadium | 51-2 | 151.36 | 149.35 | 151.27 | 150.66 | 0.75 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | 274.94 | 271.85 | 272.88 | 273.23 | 0.58 | ppb |
| Zirconium | 90-1 | 10.64 | 10.81 | 11.01 | 10.82 | 1.68 | ppb |
| Zirconium | 91-1 | 10.73 | 10.80 | 10.89 | 10.81 | 0.71 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-22 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE489 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:41:09 | DataFile Name : | 099SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 41909.90 | 41896.33 | 42462.67 | 42089.64 | 0.77 | ppb |
| Antimony | 121-1 | 1.75 | 1.95 | 1.91 | 1.87 | 5.44 | ppb |
| Arsenic | 75-2 | 98.28 | 99.29 | 100.27 | 99.28 | 1.00 | ppb |
| Barium | 135-1 | 460.57 | 502.50 | 474.89 | 479.32 | 4.45 | ppb |
| Barium | 137-1 | 458.73 | 497.46 | 474.44 | 476.87 | 4.09 | ppb |
| Beryllium | 9-1 | 1.65 | 1.65 | 1.41 | 1.57 | 8.90 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.33 | 2.22 | 2.58 | 2.38 | 7.59 | ppb |
| Cadmium | 106-1 | 1.42 | 2.27 | 1.79 | 1.83 | 23.35 | ppb |
| Cadmium | 111-1 | 1.77 | 2.20 | 1.91 | 1.96 | 11.33 | ppb |
| Calcium | 43-1 | 23969.68 | 25544.20 | 24939.74 | 24817.87 | 3.20 | ppb |
| Calcium | 44-1 | 23492.47 | 24822.24 | 23850.53 | 24055.08 | 2.86 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 91.93 | 92.35 | 92.60 | 92.29 | 0.37 | ppb |
| Cobalt | 59-2 | 44.49 | 44.62 | 44.82 | 44.64 | 0.37 | ppb |
| Copper | 63-2 | 293.51 | 297.41 | 297.32 | 296.08 | 0.75 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 86230.10 | 86880.05 | 87784.11 | 86964.75 | 0.90 | ppb |
| Iron | 57-2 | 84407.41 | 85818.91 | 85452.80 | 85226.37 | 0.86 | ppb |
| Iron | 54-2 | 85128.39 | 87005.06 | 87612.61 | 86582.02 | 1.50 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-22 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE489 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:41:09 | DataFile Name : | 099SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 68.94 | 73.01 | 69.93 | 70.62 | 3.00 | ppb |
| Lead | 207-1 | 67.21 | 71.53 | 67.68 | 68.81 | 3.44 | ppb |
| Lead | 208-1 | 67.72 | 71.71 | 68.29 | 69.24 | 3.11 | ppb |
| Lithium | 6-1 | | | | 91 | | % |
| Magnesium | 24-2 | 20004.81 | 20090.99 | 20358.43 | 20151.41 | 0.92 | ppb |
| Manganese | 55-2 | 2556.84 | 2574.39 | 2596.51 | 2575.91 | 0.77 | ppb |
| Molybdenum | 94-1 | 16.21 | 17.08 | 16.46 | 16.59 | 2.70 | ppb |
| Molybdenum | 95-1 | 2.45 | 2.70 | 2.55 | 2.57 | 4.98 | ppb |
| Molybdenum | 96-1 | 4.45 | 4.72 | 4.57 | 4.58 | 2.97 | ppb |
| Molybdenum | 97-1 | 2.32 | 2.64 | 2.56 | 2.51 | 6.61 | ppb |
| Molybdenum | 98-1 | 2.39 | 2.51 | 2.50 | 2.46 | 2.68 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 83.56 | 84.41 | 84.82 | 84.26 | 0.76 | ppb |
| Phosphorus | 31-2 | 2947.70 | 3010.36 | 2972.68 | 2976.91 | 1.06 | ppb |
| Potassium | 39-2 | 13359.15 | 13202.11 | 13355.30 | 13305.52 | 0.67 | ppb |
| Rhodium | 103-1 | | | | 94 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 0.93 | 1.70 | 1.22 | 1.28 | 30.23 | ppb |
| Selenium | 77-2 | 12.60 | 15.01 | 12.54 | 13.38 | 10.53 | ppb |
| Selenium | 78-2 | 5.22 | 2.00 | 3.12 | 3.44 | 47.46 | ppb |
| Silicon | 28-1 | 1997.44 | 2135.74 | 2046.02 | 2059.73 | 3.41 | ppb |
| Silver | 107-1 | 0.80 | 0.86 | 0.87 | 0.85 | 4.75 | ppb |
| Silver | 109-1 | 0.85 | 0.94 | 0.85 | 0.88 | 6.25 | ppb |
| Sodium | 23-2 | 344.71 | 346.09 | 350.19 | 347.00 | 0.82 | ppb |
| Strontium | 86-1 | 155.98 | 168.14 | 161.02 | 161.71 | 3.78 | ppb |
| Strontium | 88-1 | 168.57 | 176.78 | 171.89 | 172.41 | 2.40 | ppb |
| Sulfur | 34-1 | -1762.96 | -1524.47 | -1781.36 | -1689.60 | | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.34 | 0.39 | 0.34 | 0.36 | 7.59 | ppb |
| Thallium | 205-1 | 0.34 | 0.36 | 0.36 | 0.35 | 3.28 | ppb |
| Tin | 118-1 | 2.22 | 2.44 | 2.28 | 2.31 | 4.99 | ppb |
| Titanium | 47-1 | 945.45 | 1005.92 | 965.68 | 972.35 | 3.17 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-22 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE489 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:41:09 | DataFile Name : | 099SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.90 | 0.99 | 0.96 | 0.95 | 4.80 | ppb |
| Vanadium | 51-2 | 155.78 | 156.57 | 157.64 | 156.66 | 0.60 | ppb |
| Yttrium | 89-1 | | | | 101 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 283.79 | 286.26 | 285.21 | 285.09 | 0.44 | ppb |
| Zirconium | 90-1 | 8.52 | 9.30 | 8.93 | 8.92 | 4.38 | ppb |
| Zirconium | 91-1 | 8.63 | 8.97 | 8.92 | 8.84 | 2.07 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-01 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE490 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:44:19 | DataFile Name : | 100SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 45962.92 | 45751.65 | 46071.03 | 45928.53 | 0.35 | ppb |
| Antimony | 121-1 | 2.46 | 2.44 | 2.43 | 2.44 | 0.52 | ppb |
| Arsenic | 75-2 | 111.63 | 110.71 | 110.67 | 111.00 | 0.49 | ppb |
| Barium | 135-1 | 492.83 | 492.17 | 501.01 | 495.33 | 0.99 | ppb |
| Barium | 137-1 | 487.95 | 492.53 | 495.77 | 492.09 | 0.80 | ppb |
| Beryllium | 9-1 | 1.71 | 1.83 | 1.66 | 1.73 | 4.86 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.52 | 2.23 | 2.28 | 2.34 | 6.76 | ppb |
| Cadmium | 106-1 | 1.75 | 2.65 | 2.12 | 2.18 | 20.82 | ppb |
| Cadmium | 111-1 | 1.87 | 2.08 | 1.93 | 1.96 | 5.66 | ppb |
| Calcium | 43-1 | 28781.08 | 29732.79 | 29374.21 | 29296.03 | 1.64 | ppb |
| Calcium | 44-1 | 27910.38 | 28497.76 | 28516.09 | 28308.08 | 1.22 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 100.06 | 100.71 | 101.14 | 100.64 | 0.54 | ppb |
| Cobalt | 59-2 | 45.44 | 45.94 | 45.78 | 45.72 | 0.56 | ppb |
| Copper | 63-2 | 311.05 | 311.90 | 312.78 | 311.91 | 0.28 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 102 | | % |
| Holmium | 165-2 | | | | 102 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 92199.97 | 92494.24 | 92669.85 | 92454.69 | 0.26 | ppb |
| Iron | 57-2 | 90867.74 | 91124.99 | 90855.47 | 90949.40 | 0.17 | ppb |
| Iron | 54-2 | 91558.99 | 91539.43 | 92607.89 | 91902.10 | 0.67 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-01 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE490 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:44:19 | DataFile Name : | 100SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 71.25 | 73.76 | 72.41 | 72.47 | 1.73 | ppb |
| Lead | 207-1 | 68.16 | 71.18 | 70.19 | 69.84 | 2.20 | ppb |
| Lead | 208-1 | 69.60 | 71.79 | 70.67 | 70.69 | 1.55 | ppb |
| Lithium | 6-1 | | | | 92 | | % |
| Magnesium | 24-2 | 21045.67 | 20831.06 | 21243.17 | 21039.96 | 0.98 | ppb |
| Manganese | 55-2 | 2627.60 | 2649.38 | 2644.51 | 2640.50 | 0.43 | ppb |
| Molybdenum | 94-1 | 24.71 | 24.99 | 25.69 | 25.13 | 2.02 | ppb |
| Molybdenum | 95-1 | 2.31 | 2.42 | 2.42 | 2.39 | 2.59 | ppb |
| Molybdenum | 96-1 | 5.06 | 5.33 | 5.29 | 5.23 | 2.82 | ppb |
| Molybdenum | 97-1 | 2.29 | 2.36 | 2.30 | 2.32 | 1.50 | ppb |
| Molybdenum | 98-1 | 2.25 | 2.29 | 2.23 | 2.26 | 1.56 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 91.31 | 90.66 | 92.12 | 91.36 | 0.80 | ppb |
| Phosphorus | 31-2 | 2849.04 | 2896.22 | 2933.72 | 2892.99 | 1.47 | ppb |
| Potassium | 39-2 | 12904.17 | 13001.43 | 13271.25 | 13058.95 | 1.46 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 0.76 | 1.74 | 1.72 | 1.41 | 39.67 | ppb |
| Selenium | 77-2 | 22.30 | 18.58 | 13.88 | 18.26 | 23.10 | ppb |
| Selenium | 78-2 | 1.02 | 1.63 | 3.39 | 2.02 | 61.11 | ppb |
| Silicon | 28-1 | 1462.82 | 1534.12 | 1495.33 | 1497.42 | 2.38 | ppb |
| Silver | 107-1 | 0.91 | 0.95 | 1.02 | 0.96 | 5.89 | ppb |
| Silver | 109-1 | 0.99 | 0.97 | 0.99 | 0.98 | 1.47 | ppb |
| Sodium | 23-2 | 316.61 | 316.48 | 324.65 | 319.25 | 1.46 | ppb |
| Strontium | 86-1 | 137.48 | 142.36 | 142.46 | 140.77 | 2.02 | ppb |
| Strontium | 88-1 | 146.34 | 148.98 | 150.99 | 148.77 | 1.57 | ppb |
| Sulfur | 34-1 | -1833.22 | -1617.17 | -1693.79 | -1714.73 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.37 | 0.37 | 0.39 | 0.38 | 3.21 | ppb |
| Thallium | 205-1 | 0.35 | 0.37 | 0.36 | 0.36 | 3.49 | ppb |
| Tin | 118-1 | 3.03 | 3.03 | 3.17 | 3.08 | 2.66 | ppb |
| Titanium | 47-1 | 984.04 | 1015.13 | 1008.45 | 1002.54 | 1.63 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-01 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE490 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:44:19 | DataFile Name : | 100SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.12 | 1.10 | 1.13 | 1.12 | 1.27 | ppb |
| Vanadium | 51-2 | 169.30 | 169.24 | 170.40 | 169.65 | 0.38 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 105 | | % |
| Zinc | 66-2 | 288.11 | 286.71 | 290.27 | 288.36 | 0.62 | ppb |
| Zirconium | 90-1 | 13.62 | 14.32 | 14.44 | 14.13 | 3.11 | ppb |
| Zirconium | 91-1 | 14.08 | 14.46 | 14.21 | 14.25 | 1.38 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-02 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE491 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:47:27 | DataFile Name : | 101SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 44219.16 | 40043.70 | 39200.57 | 41154.48 | 6.53 | ppb |
| Antimony | 121-1 | 1.15 | 1.24 | 1.22 | 1.20 | 3.85 | ppb |
| Arsenic | 75-2 | 55.73 | 50.63 | 50.01 | 52.12 | 6.02 | ppb |
| Barium | 135-1 | 388.26 | 406.73 | 405.74 | 400.24 | 2.60 | ppb |
| Barium | 137-1 | 382.26 | 404.27 | 404.92 | 397.15 | 3.25 | ppb |
| Beryllium | 9-1 | 1.33 | 1.47 | 1.40 | 1.40 | 4.66 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 97 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.01 | 2.39 | 2.15 | 2.18 | 8.81 | ppb |
| Cadmium | 106-1 | 2.81 | 3.11 | 2.88 | 2.94 | 5.30 | ppb |
| Cadmium | 111-1 | 0.73 | 0.86 | 0.77 | 0.79 | 8.00 | ppb |
| Calcium | 43-1 | 51663.64 | 53405.57 | 53763.92 | 52944.37 | 2.12 | ppb |
| Calcium | 44-1 | 49838.95 | 50916.51 | 52226.25 | 50993.90 | 2.34 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 98.53 | 88.06 | 85.46 | 90.68 | 7.63 | ppb |
| Cobalt | 59-2 | 51.79 | 46.00 | 43.83 | 47.21 | 8.72 | ppb |
| Copper | 63-2 | 165.44 | 146.99 | 143.02 | 151.81 | 7.88 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 97 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 92 | | % |
| Iron | 56-2 | 94770.69 | 85466.51 | 81956.32 | 87397.84 | 7.58 | ppb |
| Iron | 57-2 | 94424.44 | 83008.17 | 81074.30 | 86168.97 | 8.37 | ppb |
| Iron | 54-2 | 94516.89 | 83889.32 | 81671.08 | 86692.43 | 7.92 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-02 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE491 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:47:27 | DataFile Name : | 101SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 28.13 | 28.67 | 29.15 | 28.65 | 1.77 | ppb |
| Lead | 207-1 | 26.90 | 27.44 | 28.17 | 27.50 | 2.31 | ppb |
| Lead | 208-1 | 27.12 | 27.82 | 28.27 | 27.74 | 2.08 | ppb |
| Lithium | 6-1 | | | | 90 | | % |
| Magnesium | 24-2 | 36576.60 | 32240.11 | 31433.55 | 33416.75 | 8.28 | ppb |
| Manganese | 55-2 | 2131.09 | 1886.64 | 1845.50 | 1954.41 | 7.90 | ppb |
| Molybdenum | 94-1 | 38.67 | 40.05 | 40.30 | 39.67 | 2.21 | ppb |
| Molybdenum | 95-1 | 1.00 | 1.06 | 0.96 | 1.01 | 4.74 | ppb |
| Molybdenum | 96-1 | 5.37 | 5.61 | 5.58 | 5.52 | 2.34 | ppb |
| Molybdenum | 97-1 | 1.03 | 1.05 | 1.11 | 1.07 | 4.05 | ppb |
| Molybdenum | 98-1 | 0.98 | 1.04 | 1.04 | 1.02 | 3.31 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 134.16 | 121.15 | 118.07 | 124.46 | 6.86 | ppb |
| Phosphorus | 31-2 | 3183.08 | 2863.20 | 2752.01 | 2932.77 | 7.63 | ppb |
| Potassium | 39-2 | 6814.27 | 6077.63 | 5830.81 | 6240.91 | 8.20 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 91 | | % |
| Scandium | 45-1 | | | | 97 | | % |
| Scandium | 45-2 | | | | 94 | | % |
| Selenium | 82-1 | 0.33 | 0.36 | 1.83 | 0.84 | 102.10 | ppb |
| Selenium | 77-2 | 13.32 | 10.92 | 8.28 | 10.84 | 23.29 | ppb |
| Selenium | 78-2 | 3.15 | 3.68 | -0.07 | 2.25 | 90.25 | ppb |
| Silicon | 28-1 | 1216.00 | 1281.83 | 1242.02 | 1246.62 | 2.66 | ppb |
| Silver | 107-1 | 0.25 | 0.23 | 0.23 | 0.24 | 2.89 | ppb |
| Silver | 109-1 | 0.22 | 0.26 | 0.23 | 0.24 | 8.86 | ppb |
| Sodium | 23-2 | 1317.38 | 1168.10 | 1136.22 | 1207.23 | 8.01 | ppb |
| Strontium | 86-1 | 505.64 | 521.18 | 522.44 | 516.42 | 1.81 | ppb |
| Strontium | 88-1 | 541.19 | 551.42 | 551.43 | 548.02 | 1.08 | ppb |
| Sulfur | 34-1 | -1357.05 | -1119.00 | -1058.48 | -1178.18 | | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 96 | | % |
| Thallium | 203-1 | 0.18 | 0.18 | 0.19 | 0.18 | 1.49 | ppb |
| Thallium | 205-1 | 0.18 | 0.20 | 0.20 | 0.19 | 7.25 | ppb |
| Tin | 118-1 | 2.16 | 2.26 | 2.30 | 2.24 | 3.17 | ppb |
| Titanium | 47-1 | 1813.63 | 1902.48 | 1892.57 | 1869.56 | 2.60 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-02 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE491 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:47:27 | DataFile Name : | 101SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.24 | 1.29 | 1.33 | 1.29 | 3.53 | ppb |
| Vanadium | 51-2 | 197.35 | 178.26 | 172.31 | 182.64 | 7.16 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 98 | | % |
| Zinc | 66-2 | 194.51 | 171.32 | 167.34 | 177.72 | 8.26 | ppb |
| Zirconium | 90-1 | 23.09 | 23.47 | 23.73 | 23.43 | 1.36 | ppb |
| Zirconium | 91-1 | 23.09 | 23.39 | 23.66 | 23.38 | 1.22 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-03 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE492 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:50:38 | DataFile Name : | 102SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 43666.19 | 44864.83 | 44743.45 | 44424.82 | 1.49 | ppb |
| Antimony | 121-1 | 1.71 | 1.70 | 1.76 | 1.72 | 1.81 | ppb |
| Arsenic | 75-2 | 72.28 | 75.99 | 76.46 | 74.91 | 3.05 | ppb |
| Barium | 135-1 | 281.28 | 280.57 | 286.84 | 282.90 | 1.21 | ppb |
| Barium | 137-1 | 279.90 | 279.98 | 285.17 | 281.68 | 1.07 | ppb |
| Beryllium | 9-1 | 0.87 | 0.86 | 1.00 | 0.91 | 8.44 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 100 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.54 | 1.50 | 2.12 | 1.72 | 20.25 | ppb |
| Cadmium | 106-1 | 1.18 | 1.00 | 1.65 | 1.28 | 26.07 | ppb |
| Cadmium | 111-1 | 1.06 | 1.05 | 1.09 | 1.07 | 2.13 | ppb |
| Calcium | 43-1 | 25462.89 | 25321.17 | 25887.58 | 25557.21 | 1.15 | ppb |
| Calcium | 44-1 | 24878.43 | 24518.12 | 25208.12 | 24868.22 | 1.39 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 148.83 | 152.08 | 154.82 | 151.91 | 1.98 | ppb |
| Cobalt | 59-2 | 54.36 | 55.44 | 57.04 | 55.61 | 2.43 | ppb |
| Copper | 63-2 | 219.81 | 224.01 | 229.70 | 224.51 | 2.21 | 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 | | | | 101 | | % |
| Holmium | 165-2 | | | | 100 | | % |
| Indium | 115-1 | | | | 96 | | % |
| Indium | 115-2 | | | | 94 | | % |
| Iron | 56-2 | 93374.05 | 95350.45 | 97335.01 | 95353.17 | 2.08 | ppb |
| Iron | 57-2 | 91977.38 | 95677.41 | 96032.77 | 94562.52 | 2.37 | ppb |
| Iron | 54-2 | 93036.67 | 94535.07 | 96578.81 | 94716.85 | 1.88 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-03 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE492 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:50:38 | DataFile Name : | 102SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 36.68 | 36.51 | 36.70 | 36.63 | 0.29 | ppb |
| Lead | 207-1 | 35.50 | 35.21 | 35.94 | 35.55 | 1.03 | ppb |
| Lead | 208-1 | 35.87 | 35.74 | 36.19 | 35.93 | 0.65 | ppb |
| Lithium | 6-1 | | | | 88 | | % |
| Magnesium | 24-2 | 28570.05 | 29164.00 | 29267.84 | 29000.63 | 1.30 | ppb |
| Manganese | 55-2 | 2040.68 | 2074.74 | 2141.88 | 2085.77 | 2.47 | ppb |
| Molybdenum | 94-1 | 12.69 | 13.34 | 13.03 | 13.02 | 2.49 | ppb |
| Molybdenum | 95-1 | 1.14 | 1.08 | 1.14 | 1.12 | 3.42 | ppb |
| Molybdenum | 96-1 | 2.99 | 2.73 | 3.07 | 2.93 | 5.97 | ppb |
| Molybdenum | 97-1 | 1.11 | 1.10 | 1.11 | 1.10 | 0.70 | ppb |
| Molybdenum | 98-1 | 1.05 | 1.10 | 1.12 | 1.09 | 3.29 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 110.43 | 113.48 | 115.69 | 113.20 | 2.33 | ppb |
| Phosphorus | 31-2 | 2153.89 | 2203.27 | 2232.85 | 2196.67 | 1.82 | ppb |
| Potassium | 39-2 | 7929.77 | 8103.12 | 8261.51 | 8098.13 | 2.05 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | 1.34 | 1.14 | 1.90 | 1.46 | 26.92 | ppb |
| Selenium | 77-2 | 10.60 | 12.84 | 13.03 | 12.16 | 11.13 | ppb |
| Selenium | 78-2 | 1.31 | 2.59 | 3.13 | 2.34 | 39.74 | ppb |
| Silicon | 28-1 | 1415.20 | 1376.07 | 1396.93 | 1396.07 | 1.40 | ppb |
| Silver | 107-1 | 0.41 | 0.41 | 0.39 | 0.40 | 3.10 | ppb |
| Silver | 109-1 | 0.40 | 0.39 | 0.39 | 0.39 | 1.48 | ppb |
| Sodium | 23-2 | 491.65 | 515.44 | 530.48 | 512.53 | 3.82 | ppb |
| Strontium | 86-1 | 93.23 | 95.44 | 95.52 | 94.73 | 1.37 | ppb |
| Strontium | 88-1 | 99.79 | 99.93 | 99.86 | 99.86 | 0.07 | ppb |
| Sulfur | 34-1 | -1609.11 | -1833.53 | -1772.53 | -1738.39 | | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 98 | | % |
| Thallium | 203-1 | 0.22 | 0.20 | 0.21 | 0.21 | 4.33 | ppb |
| Thallium | 205-1 | 0.21 | 0.20 | 0.20 | 0.20 | 2.39 | ppb |
| Tin | 118-1 | 2.09 | 2.11 | 2.25 | 2.15 | 3.94 | ppb |
| Titanium | 47-1 | 846.74 | 857.30 | 873.16 | 859.07 | 1.55 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-03 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE492 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:50:38 | DataFile Name : | 102SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.70 | 0.66 | 0.67 | 0.68 | 2.28 | ppb |
| Vanadium | 51-2 | 201.97 | 207.70 | 211.72 | 207.13 | 2.36 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 194.45 | 198.45 | 201.49 | 198.13 | 1.78 | ppb |
| Zirconium | 90-1 | 7.17 | 7.31 | 7.33 | 7.27 | 1.17 | ppb |
| Zirconium | 91-1 | 8.17 | 7.78 | 7.74 | 7.90 | 3.01 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-04 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE493 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:53:47 | DataFile Name : | 103SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 37272.46 | 37011.20 | 36703.35 | 36995.67 | 0.77 | ppb |
| Antimony | 121-1 | 2.12 | 2.16 | 2.14 | 2.14 | 0.84 | ppb |
| Arsenic | 75-2 | 54.09 | 52.15 | 52.49 | 52.91 | 1.96 | ppb |
| Barium | 135-1 | 318.56 | 324.05 | 317.65 | 320.09 | 1.08 | ppb |
| Barium | 137-1 | 318.29 | 321.90 | 317.08 | 319.09 | 0.79 | ppb |
| Beryllium | 9-1 | 1.19 | 1.45 | 1.32 | 1.32 | 9.72 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 101 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.57 | 1.99 | 1.88 | 1.81 | 12.02 | ppb |
| Cadmium | 106-1 | 2.01 | 1.34 | 1.13 | 1.50 | 30.68 | ppb |
| Cadmium | 111-1 | 0.85 | 0.74 | 0.76 | 0.78 | 7.87 | ppb |
| Calcium | 43-1 | 33593.90 | 33830.10 | 34100.46 | 33841.49 | 0.75 | ppb |
| Calcium | 44-1 | 32202.41 | 32929.71 | 32648.13 | 32593.41 | 1.13 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 85.51 | 84.07 | 84.27 | 84.62 | 0.92 | ppb |
| Cobalt | 59-2 | 42.66 | 42.67 | 42.47 | 42.60 | 0.26 | ppb |
| Copper | 63-2 | 155.14 | 153.38 | 152.23 | 153.59 | 0.96 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 100 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 79918.19 | 79104.23 | 78979.47 | 79333.96 | 0.64 | ppb |
| Iron | 57-2 | 78707.44 | 77610.69 | 77535.22 | 77951.12 | 0.84 | ppb |
| Iron | 54-2 | 78718.31 | 78836.41 | 78148.70 | 78567.81 | 0.47 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-04 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE493 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:53:47 | DataFile Name : | 103SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 29.86 | 30.09 | 30.62 | 30.19 | 1.30 | ppb |
| Lead | 207-1 | 28.53 | 28.65 | 29.03 | 28.74 | 0.92 | ppb |
| Lead | 208-1 | 28.81 | 28.93 | 29.31 | 29.02 | 0.91 | ppb |
| Lithium | 6-1 | | | | 90 | | % |
| Magnesium | 24-2 | 24556.15 | 24642.53 | 24237.78 | 24478.82 | 0.87 | ppb |
| Manganese | 55-2 | 1663.67 | 1659.43 | 1644.79 | 1655.96 | 0.60 | ppb |
| Molybdenum | 94-1 | 29.79 | 30.77 | 30.52 | 30.36 | 1.68 | ppb |
| Molybdenum | 95-1 | 0.99 | 1.06 | 0.96 | 1.01 | 5.07 | ppb |
| Molybdenum | 96-1 | 4.51 | 4.48 | 4.58 | 4.52 | 1.13 | ppb |
| Molybdenum | 97-1 | 0.97 | 0.99 | 1.08 | 1.01 | 5.59 | ppb |
| Molybdenum | 98-1 | 0.94 | 0.95 | 0.92 | 0.94 | 1.34 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 114.20 | 113.64 | 113.58 | 113.81 | 0.30 | ppb |
| Phosphorus | 31-2 | 3122.09 | 3041.91 | 3057.19 | 3073.73 | 1.39 | ppb |
| Potassium | 39-2 | 6310.08 | 6074.90 | 5917.62 | 6100.87 | 3.24 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 98 | | % |
| Scandium | 45-2 | | | | 97 | | % |
| Selenium | 82-1 | 0.30 | 0.98 | 0.09 | 0.46 | 101.36 | ppb |
| Selenium | 77-2 | 9.09 | 12.18 | 13.57 | 11.61 | 19.74 | ppb |
| Selenium | 78-2 | 2.35 | 0.41 | 1.25 | 1.34 | 72.64 | ppb |
| Silicon | 28-1 | 1384.74 | 1388.45 | 1383.52 | 1385.57 | 0.19 | ppb |
| Silver | 107-1 | 0.24 | 0.24 | 0.24 | 0.24 | 1.09 | ppb |
| Silver | 109-1 | 0.24 | 0.24 | 0.24 | 0.24 | 0.30 | ppb |
| Sodium | 23-2 | 1053.97 | 1051.49 | 1047.00 | 1050.82 | 0.34 | ppb |
| Strontium | 86-1 | 410.23 | 419.32 | 413.96 | 414.50 | 1.10 | ppb |
| Strontium | 88-1 | 429.36 | 435.85 | 443.49 | 436.23 | 1.62 | ppb |
| Sulfur | 34-1 | -1483.25 | -1431.68 | -1411.78 | -1442.24 | | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | 0.18 | 0.20 | 0.18 | 0.19 | 6.03 | ppb |
| Thallium | 205-1 | 0.19 | 0.18 | 0.19 | 0.18 | 2.64 | ppb |
| Tin | 118-1 | 2.31 | 2.37 | 2.26 | 2.31 | 2.29 | ppb |
| Titanium | 47-1 | 1605.08 | 1619.97 | 1629.57 | 1618.21 | 0.76 | ppb |

Reviewed By:Mohan
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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-04 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE493 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:53:47 | DataFile Name : | 103SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.93 | 0.89 | 0.90 | 0.91 | 2.29 | ppb |
| Vanadium | 51-2 | 167.37 | 167.66 | 164.93 | 166.65 | 0.90 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 168.44 | 169.56 | 169.08 | 169.03 | 0.33 | ppb |
| Zirconium | 90-1 | 17.62 | 17.93 | 17.96 | 17.84 | 1.06 | ppb |
| Zirconium | 91-1 | 17.65 | 18.13 | 18.16 | 17.98 | 1.61 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-08 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE495 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:56:58 | DataFile Name : | 104SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 32841.74 | 32950.78 | 32966.44 | 32919.65 | 0.21 | ppb |
| Antimony | 121-1 | 1.44 | 1.59 | 1.60 | 1.55 | 5.64 | ppb |
| Arsenic | 75-2 | 53.32 | 52.35 | 53.77 | 53.14 | 1.37 | ppb |
| Barium | 135-1 | 172.65 | 196.79 | 186.61 | 185.35 | 6.54 | ppb |
| Barium | 137-1 | 174.37 | 187.24 | 185.97 | 182.53 | 3.89 | ppb |
| Beryllium | 9-1 | 0.86 | 0.68 | 0.83 | 0.79 | 12.55 | ppb |
| Bismuth | 209-1 | | | | 103 | | % |
| Bismuth | 209-2 | | | | 101 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.94 | 1.43 | 0.69 | 1.02 | 36.98 | ppb |
| Cadmium | 106-1 | 0.03 | 0.22 | -0.12 | 0.05 | 368.07 | ppb |
| Cadmium | 111-1 | 0.38 | 0.41 | 0.39 | 0.40 | 3.89 | ppb |
| Calcium | 43-1 | 21399.97 | 20762.72 | 22322.00 | 21494.90 | 3.65 | ppb |
| Calcium | 44-1 | 20588.67 | 20360.34 | 21171.46 | 20706.82 | 2.02 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 81.81 | 81.79 | 81.27 | 81.62 | 0.37 | ppb |
| Cobalt | 59-2 | 41.30 | 41.24 | 40.94 | 41.16 | 0.46 | ppb |
| Copper | 63-2 | 128.06 | 129.79 | 128.19 | 128.68 | 0.75 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 79774.91 | 80576.46 | 79449.62 | 79933.66 | 0.73 | ppb |
| Iron | 57-2 | 77598.48 | 77718.96 | 79130.94 | 78149.46 | 1.09 | ppb |
| Iron | 54-2 | 80143.93 | 80007.61 | 78641.95 | 79597.83 | 1.04 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-08 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE495 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:56:58 | DataFile Name : | 104SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 19.14 | 20.04 | 18.74 | 19.31 | 3.46 | ppb |
| Lead | 207-1 | 18.46 | 17.94 | 17.74 | 18.05 | 2.05 | ppb |
| Lead | 208-1 | 18.39 | 18.66 | 18.41 | 18.48 | 0.80 | ppb |
| Lithium | 6-1 | | | | 88 | | % |
| Magnesium | 24-2 | 20889.91 | 21068.57 | 20873.34 | 20943.94 | 0.52 | ppb |
| Manganese | 55-2 | 1368.54 | 1385.91 | 1357.19 | 1370.55 | 1.06 | ppb |
| Molybdenum | 94-1 | 15.58 | 15.67 | 15.98 | 15.74 | 1.35 | ppb |
| Molybdenum | 95-1 | 0.78 | 0.77 | 0.71 | 0.75 | 4.71 | ppb |
| Molybdenum | 96-1 | 2.89 | 2.76 | 2.76 | 2.80 | 2.61 | ppb |
| Molybdenum | 97-1 | 0.82 | 0.78 | 0.77 | 0.79 | 3.04 | ppb |
| Molybdenum | 98-1 | 0.79 | 0.75 | 0.70 | 0.75 | 5.79 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 76.23 | 76.12 | 77.73 | 76.69 | 1.17 | ppb |
| Phosphorus | 31-2 | 1525.05 | 1527.03 | 1527.12 | 1526.40 | 0.08 | ppb |
| Potassium | 39-2 | 5147.65 | 5090.05 | 5167.71 | 5135.14 | 0.78 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | 1.13 | 0.14 | -0.07 | 0.40 | 159.30 | ppb |
| Selenium | 77-2 | 11.28 | 10.17 | 9.11 | 10.19 | 10.62 | ppb |
| Selenium | 78-2 | 3.78 | -0.08 | 0.84 | 1.51 | 133.06 | ppb |
| Silicon | 28-1 | 1073.25 | 1017.84 | 1032.98 | 1041.36 | 2.75 | ppb |
| Silver | 107-1 | 0.16 | 0.17 | 0.17 | 0.17 | 3.55 | ppb |
| Silver | 109-1 | 0.12 | 0.16 | 0.17 | 0.15 | 15.98 | ppb |
| Sodium | 23-2 | 509.81 | 515.06 | 505.73 | 510.20 | 0.92 | ppb |
| Strontium | 86-1 | 91.86 | 90.44 | 87.97 | 90.09 | 2.19 | ppb |
| Strontium | 88-1 | 89.24 | 90.84 | 90.92 | 90.33 | 1.05 | ppb |
| Sulfur | 34-1 | -1722.86 | -2163.73 | -1975.31 | -1953.96 | | ppb |
| Terbium | 159-1 | | | | 99 | | % |
| Terbium | 159-2 | | | | 98 | | % |
| Thallium | 203-1 | 0.12 | 0.12 | 0.12 | 0.12 | 3.54 | ppb |
| Thallium | 205-1 | 0.11 | 0.13 | 0.12 | 0.12 | 6.18 | ppb |
| Tin | 118-1 | 2.24 | 2.10 | 2.15 | 2.16 | 3.13 | ppb |
| Titanium | 47-1 | 1079.23 | 1035.26 | 1062.77 | 1059.09 | 2.10 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-08 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE495 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:56:58 | DataFile Name : | 104SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.64 | 0.61 | 0.60 | 0.61 | 3.54 | ppb |
| Vanadium | 51-2 | 197.10 | 198.40 | 195.46 | 196.99 | 0.75 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 130.46 | 132.14 | 130.01 | 130.87 | 0.85 | ppb |
| Zirconium | 90-1 | 9.14 | 9.47 | 8.93 | 9.18 | 2.99 | ppb |
| Zirconium | 91-1 | 9.40 | 9.17 | 8.83 | 9.14 | 3.12 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-09 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE496 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:00:08 | DataFile Name : | 105SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 48182.20 | 48747.20 | 49107.13 | 48678.84 | 0.96 | ppb |
| Antimony | 121-1 | 1.46 | 1.47 | 1.45 | 1.46 | 0.82 | ppb |
| Arsenic | 75-2 | 77.37 | 76.31 | 75.98 | 76.55 | 0.94 | ppb |
| Barium | 135-1 | 532.40 | 540.60 | 540.65 | 537.88 | 0.88 | ppb |
| Barium | 137-1 | 524.45 | 542.46 | 536.02 | 534.31 | 1.71 | ppb |
| Beryllium | 9-1 | 1.77 | 1.75 | 1.69 | 1.74 | 2.19 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 103 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.30 | 2.14 | 1.57 | 1.67 | 25.58 | ppb |
| Cadmium | 106-1 | 0.92 | 1.47 | 0.87 | 1.09 | 30.48 | ppb |
| Cadmium | 111-1 | 0.67 | 0.64 | 0.65 | 0.66 | 2.13 | ppb |
| Calcium | 43-1 | 18454.53 | 18805.98 | 18879.90 | 18713.47 | 1.21 | ppb |
| Calcium | 44-1 | 18042.04 | 18072.91 | 18242.88 | 18119.28 | 0.60 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 102.08 | 102.42 | 102.36 | 102.29 | 0.18 | ppb |
| Cobalt | 59-2 | 47.08 | 48.06 | 47.44 | 47.53 | 1.04 | ppb |
| Copper | 63-2 | 148.97 | 149.72 | 150.63 | 149.78 | 0.55 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 100 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 92745.43 | 92219.32 | 92624.61 | 92529.79 | 0.30 | ppb |
| Iron | 57-2 | 89774.31 | 91247.02 | 90134.76 | 90385.36 | 0.85 | ppb |
| Iron | 54-2 | 91260.99 | 90630.72 | 91641.52 | 91177.74 | 0.56 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-09 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE496 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:00:08 | DataFile Name : | 105SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 32.23 | 31.51 | 32.70 | 32.15 | 1.86 | ppb |
| Lead | 207-1 | 30.03 | 29.61 | 30.24 | 29.96 | 1.06 | ppb |
| Lead | 208-1 | 30.78 | 30.37 | 31.06 | 30.73 | 1.14 | ppb |
| Lithium | 6-1 | | | | 91 | | % |
| Magnesium | 24-2 | 19953.90 | 20186.91 | 20070.04 | 20070.28 | 0.58 | ppb |
| Manganese | 55-2 | 2498.90 | 2469.95 | 2497.48 | 2488.78 | 0.66 | ppb |
| Molybdenum | 94-1 | 21.38 | 22.65 | 22.27 | 22.10 | 2.96 | ppb |
| Molybdenum | 95-1 | 1.69 | 1.74 | 1.82 | 1.75 | 3.65 | ppb |
| Molybdenum | 96-1 | 4.33 | 4.43 | 4.44 | 4.40 | 1.41 | ppb |
| Molybdenum | 97-1 | 1.66 | 1.78 | 1.73 | 1.72 | 3.40 | ppb |
| Molybdenum | 98-1 | 1.66 | 1.71 | 1.69 | 1.69 | 1.44 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 88.88 | 88.51 | 89.00 | 88.80 | 0.29 | ppb |
| Phosphorus | 31-2 | 2198.20 | 2180.43 | 2200.12 | 2192.91 | 0.49 | ppb |
| Potassium | 39-2 | 10671.10 | 10831.17 | 10707.31 | 10736.53 | 0.78 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 99 | | % |
| Selenium | 82-1 | 1.20 | 0.97 | 0.25 | 0.80 | 61.98 | ppb |
| Selenium | 77-2 | 16.31 | 18.02 | 15.99 | 16.77 | 6.52 | ppb |
| Selenium | 78-2 | 2.96 | 1.20 | 2.13 | 2.10 | 41.95 | ppb |
| Silicon | 28-1 | 1302.99 | 1296.54 | 1313.17 | 1304.23 | 0.64 | ppb |
| Silver | 107-1 | 0.26 | 0.28 | 0.26 | 0.26 | 5.25 | ppb |
| Silver | 109-1 | 0.25 | 0.23 | 0.25 | 0.24 | 5.58 | ppb |
| Sodium | 23-2 | 311.60 | 313.02 | 313.62 | 312.75 | 0.33 | ppb |
| Strontium | 86-1 | 96.93 | 98.10 | 97.71 | 97.58 | 0.61 | ppb |
| Strontium | 88-1 | 100.97 | 104.09 | 105.24 | 103.43 | 2.14 | ppb |
| Sulfur | 34-1 | -2106.52 | -2299.53 | -2386.06 | -2264.03 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | 0.35 | 0.31 | 0.33 | 0.33 | 5.09 | ppb |
| Thallium | 205-1 | 0.34 | 0.35 | 0.33 | 0.34 | 2.77 | ppb |
| Tin | 118-1 | 2.28 | 2.41 | 2.32 | 2.34 | 3.02 | ppb |
| Titanium | 47-1 | 953.03 | 963.39 | 971.93 | 962.78 | 0.98 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-09 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE496 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:00:08 | DataFile Name : | 105SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.22 | 1.21 | 1.21 | 1.21 | 0.23 | ppb |
| Vanadium | 51-2 | 160.55 | 160.69 | 160.23 | 160.49 | 0.15 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 202.06 | 204.10 | 202.59 | 202.92 | 0.52 | ppb |
| Zirconium | 90-1 | 12.25 | 12.48 | 12.61 | 12.45 | 1.44 | ppb |
| Zirconium | 91-1 | 12.47 | 12.67 | 12.46 | 12.53 | 0.94 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-10 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE497 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:03:19 | DataFile Name : | 106SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 40475.85 | 39933.86 | 39782.33 | 40064.02 | 0.91 | ppb |
| Antimony | 121-1 | 2.34 | 2.32 | 2.35 | 2.34 | 0.63 | ppb |
| Arsenic | 75-2 | 55.41 | 54.34 | 56.25 | 55.34 | 1.73 | ppb |
| Barium | 135-1 | 322.64 | 323.80 | 330.41 | 325.62 | 1.29 | ppb |
| Barium | 137-1 | 322.61 | 322.77 | 325.76 | 323.72 | 0.55 | ppb |
| Beryllium | 9-1 | 1.14 | 1.28 | 1.28 | 1.23 | 6.66 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 102 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.63 | 1.96 | 2.19 | 1.92 | 14.63 | ppb |
| Cadmium | 106-1 | 1.28 | 1.37 | 1.55 | 1.40 | 9.73 | ppb |
| Cadmium | 111-1 | 0.56 | 0.57 | 0.59 | 0.57 | 2.08 | ppb |
| Calcium | 43-1 | 27786.80 | 27127.16 | 27602.44 | 27505.47 | 1.24 | ppb |
| Calcium | 44-1 | 27134.53 | 26374.62 | 26640.82 | 26716.66 | 1.44 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 86.48 | 85.77 | 86.41 | 86.22 | 0.45 | ppb |
| Cobalt | 59-2 | 42.77 | 42.17 | 42.89 | 42.61 | 0.90 | ppb |
| Copper | 63-2 | 140.45 | 138.82 | 142.15 | 140.47 | 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 | | | | 100 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 96 | | % |
| Indium | 115-2 | | | | 95 | | % |
| Iron | 56-2 | 83151.50 | 81892.13 | 83588.38 | 82877.33 | 1.06 | ppb |
| Iron | 57-2 | 82136.07 | 79857.48 | 80774.22 | 80922.59 | 1.42 | ppb |
| Iron | 54-2 | 82692.35 | 81596.29 | 82670.53 | 82319.72 | 0.76 | ppb |
| Krypton | 83-1 | | | | | | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-10 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE497 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:03:19 | DataFile Name : | 106SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 24.81 | 24.85 | 24.95 | 24.87 | 0.29 | ppb |
| Lead | 207-1 | 23.92 | 23.77 | 23.55 | 23.74 | 0.79 | ppb |
| Lead | 208-1 | 24.07 | 23.93 | 23.82 | 23.94 | 0.54 | ppb |
| Lithium | 6-1 | | | | 89 | | % |
| Magnesium | 24-2 | 23603.17 | 23432.55 | 23696.22 | 23577.31 | 0.57 | ppb |
| Manganese | 55-2 | 1595.30 | 1584.64 | 1587.80 | 1589.24 | 0.34 | ppb |
| Molybdenum | 94-1 | 35.77 | 35.81 | 35.72 | 35.77 | 0.13 | ppb |
| Molybdenum | 95-1 | 1.03 | 1.00 | 0.95 | 1.00 | 4.14 | ppb |
| Molybdenum | 96-1 | 5.09 | 5.07 | 5.07 | 5.08 | 0.18 | ppb |
| Molybdenum | 97-1 | 0.99 | 0.99 | 0.99 | 0.99 | 0.25 | ppb |
| Molybdenum | 98-1 | 0.91 | 0.99 | 0.96 | 0.95 | 3.84 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 114.06 | 113.96 | 114.87 | 114.30 | 0.44 | ppb |
| Phosphorus | 31-2 | 2612.94 | 2574.20 | 2663.54 | 2616.89 | 1.71 | ppb |
| Potassium | 39-2 | 5103.89 | 4946.78 | 5145.47 | 5065.38 | 2.07 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 97 | | % |
| Scandium | 45-2 | | | | 96 | | % |
| Selenium | 82-1 | 0.30 | -0.02 | 0.98 | 0.42 | 121.90 | ppb |
| Selenium | 77-2 | 16.50 | 11.10 | 12.54 | 13.38 | 20.88 | ppb |
| Selenium | 78-2 | 1.18 | 2.68 | 0.65 | 1.50 | 69.94 | ppb |
| Silicon | 28-1 | 1330.14 | 1303.27 | 1319.47 | 1317.63 | 1.03 | ppb |
| Silver | 107-1 | 0.25 | 0.26 | 0.26 | 0.26 | 2.85 | ppb |
| Silver | 109-1 | 0.23 | 0.25 | 0.24 | 0.24 | 5.80 | ppb |
| Sodium | 23-2 | 1399.51 | 1396.58 | 1415.66 | 1403.91 | 0.73 | ppb |
| Strontium | 86-1 | 413.33 | 415.02 | 410.42 | 412.92 | 0.56 | ppb |
| Strontium | 88-1 | 440.00 | 434.96 | 430.84 | 435.27 | 1.05 | ppb |
| Sulfur | 34-1 | -1917.46 | -2059.23 | -1889.23 | -1955.31 | | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | 0.16 | 0.16 | 0.18 | 0.17 | 7.08 | ppb |
| Thallium | 205-1 | 0.17 | 0.17 | 0.16 | 0.17 | 1.34 | ppb |
| Tin | 118-1 | 6.16 | 6.18 | 6.36 | 6.23 | 1.80 | ppb |
| Titanium | 47-1 | 1649.94 | 1626.51 | 1644.83 | 1640.43 | 0.75 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-10 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE497 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:03:19 | DataFile Name : | 106SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.02 | 1.01 | 1.00 | 1.01 | 1.05 | ppb |
| Vanadium | 51-2 | 170.60 | 169.02 | 171.62 | 170.41 | 0.77 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 153.67 | 150.83 | 152.83 | 152.44 | 0.96 | ppb |
| Zirconium | 90-1 | 21.35 | 21.26 | 21.25 | 21.28 | 0.26 | ppb |
| Zirconium | 91-1 | 21.71 | 21.58 | 20.71 | 21.33 | 2.55 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-11 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE498 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:06:28 | DataFile Name : | 107SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 34135.76 | 34604.50 | 34257.92 | 34332.73 | 0.71 | ppb |
| Antimony | 121-1 | 1.22 | 1.22 | 1.27 | 1.24 | 2.50 | ppb |
| Arsenic | 75-2 | 50.88 | 52.11 | 50.14 | 51.04 | 1.95 | ppb |
| Barium | 135-1 | 298.94 | 312.30 | 310.03 | 307.09 | 2.33 | ppb |
| Barium | 137-1 | 301.62 | 311.05 | 308.32 | 307.00 | 1.58 | ppb |
| Beryllium | 9-1 | 1.06 | 1.07 | 0.94 | 1.02 | 7.03 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 102 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.61 | 1.45 | 1.36 | 1.47 | 8.58 | ppb |
| Cadmium | 106-1 | 1.47 | 1.02 | 0.97 | 1.16 | 23.96 | ppb |
| Cadmium | 111-1 | 0.50 | 0.50 | 0.48 | 0.49 | 2.90 | ppb |
| Calcium | 43-1 | 52205.66 | 53802.39 | 53521.43 | 53176.49 | 1.60 | ppb |
| Calcium | 44-1 | 51402.56 | 52662.27 | 52517.44 | 52194.09 | 1.32 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 84.13 | 83.86 | 85.31 | 84.43 | 0.92 | ppb |
| Cobalt | 59-2 | 42.64 | 42.70 | 42.85 | 42.73 | 0.26 | ppb |
| Copper | 63-2 | 123.66 | 125.84 | 125.60 | 125.03 | 0.96 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 84650.59 | 84579.21 | 85238.64 | 84822.81 | 0.43 | ppb |
| Iron | 57-2 | 83553.79 | 82921.86 | 82833.52 | 83103.06 | 0.47 | ppb |
| Iron | 54-2 | 83770.52 | 84022.39 | 84397.80 | 84063.57 | 0.38 | ppb |
| Krypton | 83-1 | | | | | | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-11 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE498 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:06:28 | DataFile Name : | 107SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 22.34 | 22.89 | 23.34 | 22.86 | 2.18 | ppb |
| Lead | 207-1 | 21.08 | 21.26 | 22.01 | 21.45 | 2.30 | ppb |
| Lead | 208-1 | 21.21 | 21.71 | 22.27 | 21.73 | 2.44 | ppb |
| Lithium | 6-1 | | | | 90 | | % |
| Magnesium | 24-2 | 24014.24 | 24074.03 | 23866.71 | 23985.00 | 0.44 | ppb |
| Manganese | 55-2 | 1524.52 | 1536.60 | 1536.47 | 1532.53 | 0.45 | ppb |
| Molybdenum | 94-1 | 23.17 | 24.15 | 24.38 | 23.90 | 2.69 | ppb |
| Molybdenum | 95-1 | 1.01 | 0.96 | 1.03 | 1.00 | 3.88 | ppb |
| Molybdenum | 96-1 | 3.88 | 3.93 | 3.88 | 3.90 | 0.74 | ppb |
| Molybdenum | 97-1 | 0.94 | 0.99 | 1.12 | 1.02 | 9.22 | ppb |
| Molybdenum | 98-1 | 0.97 | 0.96 | 1.00 | 0.98 | 2.60 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 87.04 | 88.22 | 89.33 | 88.20 | 1.30 | ppb |
| Phosphorus | 31-2 | 1963.20 | 2076.88 | 2066.16 | 2035.41 | 3.08 | ppb |
| Potassium | 39-2 | 4949.25 | 4984.08 | 4950.39 | 4961.24 | 0.40 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 98 | | % |
| Scandium | 45-2 | | | | 97 | | % |
| Selenium | 82-1 | 1.44 | 1.01 | 1.49 | 1.31 | 20.01 | ppb |
| Selenium | 77-2 | 12.55 | 7.24 | 6.05 | 8.61 | 40.24 | ppb |
| Selenium | 78-2 | 0.32 | -0.23 | 0.12 | 0.07 | 403.38 | ppb |
| Silicon | 28-1 | 1226.40 | 1241.39 | 1255.51 | 1241.10 | 1.17 | ppb |
| Silver | 107-1 | 0.16 | 0.17 | 0.17 | 0.17 | 3.94 | ppb |
| Silver | 109-1 | 0.14 | 0.16 | 0.16 | 0.15 | 7.75 | ppb |
| Sodium | 23-2 | 810.01 | 820.46 | 829.29 | 819.92 | 1.18 | ppb |
| Strontium | 86-1 | 174.89 | 178.85 | 180.13 | 177.96 | 1.54 | ppb |
| Strontium | 88-1 | 183.31 | 189.18 | 191.08 | 187.86 | 2.16 | ppb |
| Sulfur | 34-1 | -1330.58 | -1120.47 | -1136.74 | -1195.93 | | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | 0.15 | 0.17 | 0.18 | 0.17 | 8.12 | ppb |
| Thallium | 205-1 | 0.16 | 0.17 | 0.17 | 0.16 | 3.77 | ppb |
| Tin | 118-1 | 2.19 | 2.15 | 2.22 | 2.19 | 1.68 | ppb |
| Titanium | 47-1 | 1385.01 | 1423.65 | 1416.30 | 1408.32 | 1.46 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-11 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE498 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:06:28 | DataFile Name : | 107SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.90 | 0.87 | 0.90 | 0.89 | 2.09 | ppb |
| Vanadium | 51-2 | 194.50 | 194.23 | 195.43 | 194.72 | 0.32 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 152.86 | 154.06 | 153.89 | 153.60 | 0.42 | ppb |
| Zirconium | 90-1 | 13.65 | 14.00 | 14.18 | 13.94 | 1.91 | ppb |
| Zirconium | 91-1 | 13.68 | 14.00 | 14.46 | 14.05 | 2.77 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-12 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE499 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:09:40 | DataFile Name : | 108SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 49697.65 | 48973.21 | 48725.99 | 49132.28 | 1.03 | ppb |
| Antimony | 121-1 | 2.21 | 2.40 | 2.24 | 2.28 | 4.34 | ppb |
| Arsenic | 75-2 | 102.61 | 101.49 | 103.51 | 102.54 | 0.99 | ppb |
| Barium | 135-1 | 483.55 | 507.43 | 506.82 | 499.26 | 2.73 | ppb |
| Barium | 137-1 | 480.71 | 505.35 | 502.51 | 496.19 | 2.72 | ppb |
| Beryllium | 9-1 | 1.83 | 1.70 | 1.76 | 1.76 | 3.65 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 102 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 3.15 | 3.03 | 3.35 | 3.18 | 5.01 | ppb |
| Cadmium | 106-1 | 3.14 | 3.12 | 2.54 | 2.93 | 11.66 | ppb |
| Cadmium | 111-1 | 2.34 | 2.35 | 2.31 | 2.34 | 0.95 | ppb |
| Calcium | 43-1 | 36374.46 | 36594.97 | 36470.26 | 36479.90 | 0.30 | ppb |
| Calcium | 44-1 | 34989.67 | 35717.11 | 36043.51 | 35583.43 | 1.52 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 101.57 | 100.88 | 100.92 | 101.12 | 0.38 | ppb |
| Cobalt | 59-2 | 46.47 | 45.80 | 45.86 | 46.04 | 0.80 | ppb |
| Copper | 63-2 | 375.77 | 367.50 | 370.81 | 371.36 | 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 | | | | 100 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 95103.81 | 92444.95 | 93372.10 | 93640.29 | 1.44 | ppb |
| Iron | 57-2 | 93219.24 | 91960.37 | 91918.99 | 92366.20 | 0.80 | ppb |
| Iron | 54-2 | 93166.04 | 92883.35 | 92908.92 | 92986.10 | 0.17 | ppb |
| Krypton | 83-1 | | | | | | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-12 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE499 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:09:40 | DataFile Name : | 108SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 71.67 | 74.17 | 74.72 | 73.52 | 2.21 | ppb |
| Lead | 207-1 | 69.53 | 71.24 | 72.45 | 71.08 | 2.06 | ppb |
| Lead | 208-1 | 70.06 | 72.19 | 72.96 | 71.74 | 2.10 | ppb |
| Lithium | 6-1 | | | | 88 | | % |
| Magnesium | 24-2 | 21904.31 | 21982.15 | 22126.01 | 22004.16 | 0.51 | ppb |
| Manganese | 55-2 | 2340.02 | 2313.09 | 2336.60 | 2329.90 | 0.63 | ppb |
| Molybdenum | 94-1 | 18.73 | 19.28 | 19.34 | 19.12 | 1.77 | ppb |
| Molybdenum | 95-1 | 1.54 | 1.64 | 1.63 | 1.60 | 3.64 | ppb |
| Molybdenum | 96-1 | 3.85 | 3.89 | 4.04 | 3.93 | 2.53 | ppb |
| Molybdenum | 97-1 | 1.52 | 1.69 | 1.69 | 1.63 | 6.08 | ppb |
| Molybdenum | 98-1 | 1.50 | 1.58 | 1.61 | 1.56 | 3.43 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 90.88 | 89.57 | 89.64 | 90.03 | 0.82 | ppb |
| Phosphorus | 31-2 | 2796.51 | 2911.06 | 2920.62 | 2876.07 | 2.40 | ppb |
| Potassium | 39-2 | 13239.47 | 13012.83 | 13066.85 | 13106.39 | 0.90 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 1.73 | 1.63 | 1.70 | 1.69 | 3.26 | ppb |
| Selenium | 77-2 | 17.22 | 18.15 | 18.18 | 17.85 | 3.04 | ppb |
| Selenium | 78-2 | 5.28 | 4.20 | 1.53 | 3.67 | 52.62 | ppb |
| Silicon | 28-1 | 1268.08 | 1311.70 | 1268.20 | 1282.66 | 1.96 | ppb |
| Silver | 107-1 | 0.91 | 0.95 | 0.95 | 0.94 | 2.29 | ppb |
| Silver | 109-1 | 0.89 | 0.90 | 0.96 | 0.91 | 4.10 | ppb |
| Sodium | 23-2 | 345.40 | 345.00 | 342.43 | 344.28 | 0.47 | ppb |
| Strontium | 86-1 | 132.41 | 133.65 | 135.23 | 133.77 | 1.06 | ppb |
| Strontium | 88-1 | 137.42 | 142.97 | 145.47 | 141.95 | 2.90 | ppb |
| Sulfur | 34-1 | -1261.20 | -1487.62 | -1726.28 | -1491.70 | | ppb |
| Terbium | 159-1 | | | | 99 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | 0.40 | 0.37 | 0.35 | 0.37 | 6.72 | ppb |
| Thallium | 205-1 | 0.36 | 0.37 | 0.37 | 0.37 | 0.90 | ppb |
| Tin | 118-1 | 2.82 | 3.08 | 2.96 | 2.95 | 4.40 | ppb |
| Titanium | 47-1 | 1015.83 | 1024.08 | 1019.07 | 1019.66 | 0.41 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-12 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE499 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:09:40 | DataFile Name : | 108SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.03 | 1.05 | 1.05 | 1.04 | 1.47 | ppb |
| Vanadium | 51-2 | 171.52 | 169.14 | 169.80 | 170.15 | 0.72 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 306.77 | 306.51 | 308.41 | 307.23 | 0.34 | ppb |
| Zirconium | 90-1 | 10.47 | 11.00 | 11.00 | 10.82 | 2.84 | ppb |
| Zirconium | 91-1 | 10.72 | 10.96 | 10.83 | 10.84 | 1.12 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-13 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A0 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:12:49 | DataFile Name : | 109SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 39025.35 | 38434.87 | 38412.00 | 38624.07 | 0.90 | ppb |
| Antimony | 121-1 | 2.15 | 2.25 | 2.20 | 2.20 | 2.35 | ppb |
| Arsenic | 75-2 | 98.63 | 97.75 | 96.81 | 97.73 | 0.93 | ppb |
| Barium | 135-1 | 407.06 | 420.41 | 417.73 | 415.07 | 1.70 | ppb |
| Barium | 137-1 | 403.43 | 414.20 | 410.55 | 409.39 | 1.34 | ppb |
| Beryllium | 9-1 | 1.54 | 1.41 | 1.42 | 1.46 | 4.76 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.87 | 2.34 | 2.07 | 2.10 | 11.28 | ppb |
| Cadmium | 106-1 | 1.49 | 0.85 | 1.70 | 1.35 | 32.96 | ppb |
| Cadmium | 111-1 | 1.44 | 1.57 | 1.57 | 1.53 | 5.09 | ppb |
| Calcium | 43-1 | 21239.31 | 22017.55 | 22240.40 | 21832.42 | 2.41 | ppb |
| Calcium | 44-1 | 20589.60 | 21060.15 | 21524.30 | 21058.01 | 2.22 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 81.20 | 81.47 | 82.41 | 81.69 | 0.78 | ppb |
| Cobalt | 59-2 | 40.23 | 40.31 | 40.26 | 40.27 | 0.09 | ppb |
| Copper | 63-2 | 256.67 | 256.33 | 257.54 | 256.85 | 0.24 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 102 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 95 | | % |
| Iron | 56-2 | 83911.32 | 83784.32 | 83946.98 | 83880.87 | 0.10 | ppb |
| Iron | 57-2 | 82338.38 | 82281.39 | 81543.99 | 82054.59 | 0.54 | ppb |
| Iron | 54-2 | 82953.02 | 83132.59 | 83896.01 | 83327.21 | 0.60 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-13 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A0 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:12:49 | DataFile Name : | 109SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 56.85 | 58.76 | 58.16 | 57.92 | 1.68 | ppb |
| Lead | 207-1 | 54.95 | 57.05 | 56.29 | 56.10 | 1.89 | ppb |
| Lead | 208-1 | 55.48 | 56.99 | 56.70 | 56.39 | 1.42 | ppb |
| Lithium | 6-1 | | | | 89 | | % |
| Magnesium | 24-2 | 18114.66 | 17687.22 | 18014.40 | 17938.76 | 1.25 | ppb |
| Manganese | 55-2 | 2230.77 | 2226.71 | 2214.26 | 2223.91 | 0.39 | ppb |
| Molybdenum | 94-1 | 17.49 | 18.12 | 17.63 | 17.75 | 1.88 | ppb |
| Molybdenum | 95-1 | 1.36 | 1.45 | 1.43 | 1.41 | 3.10 | ppb |
| Molybdenum | 96-1 | 3.47 | 3.63 | 3.59 | 3.57 | 2.35 | ppb |
| Molybdenum | 97-1 | 1.32 | 1.39 | 1.32 | 1.34 | 2.80 | ppb |
| Molybdenum | 98-1 | 1.31 | 1.35 | 1.35 | 1.33 | 1.68 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 78.24 | 78.97 | 79.28 | 78.83 | 0.68 | ppb |
| Phosphorus | 31-2 | 2437.40 | 2372.97 | 2421.40 | 2410.59 | 1.39 | ppb |
| Potassium | 39-2 | 11964.13 | 11844.85 | 12087.24 | 11965.41 | 1.01 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 99 | | % |
| Scandium | 45-2 | | | | 97 | | % |
| Selenium | 82-1 | 1.22 | 0.49 | 0.78 | 0.83 | 44.39 | ppb |
| Selenium | 77-2 | 10.83 | 15.74 | 16.40 | 14.32 | 21.23 | ppb |
| Selenium | 78-2 | 1.16 | 2.98 | 4.12 | 2.75 | 54.20 | ppb |
| Silicon | 28-1 | 1211.36 | 1251.28 | 1282.75 | 1248.46 | 2.87 | ppb |
| Silver | 107-1 | 0.57 | 0.61 | 0.62 | 0.60 | 3.90 | ppb |
| Silver | 109-1 | 0.58 | 0.57 | 0.61 | 0.59 | 4.14 | ppb |
| Sodium | 23-2 | 274.74 | 276.61 | 279.50 | 276.95 | 0.86 | ppb |
| Strontium | 86-1 | 99.73 | 103.72 | 102.80 | 102.08 | 2.05 | ppb |
| Strontium | 88-1 | 105.27 | 109.44 | 109.62 | 108.11 | 2.27 | ppb |
| Sulfur | 34-1 | -1893.78 | -1816.26 | -1863.47 | -1857.84 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | 0.27 | 0.29 | 0.30 | 0.29 | 5.35 | ppb |
| Thallium | 205-1 | 0.30 | 0.29 | 0.30 | 0.30 | 1.50 | ppb |
| Tin | 118-1 | 2.55 | 2.76 | 2.74 | 2.68 | 4.20 | ppb |
| Titanium | 47-1 | 891.59 | 933.07 | 934.16 | 919.61 | 2.64 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-13 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A0 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:12:49 | DataFile Name : | 109SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.86 | 0.88 | 0.86 | 0.87 | 1.27 | ppb |
| Vanadium | 51-2 | 160.90 | 159.55 | 160.82 | 160.42 | 0.47 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | 235.74 | 237.68 | 235.76 | 236.39 | 0.47 | ppb |
| Zirconium | 90-1 | 9.57 | 10.19 | 10.38 | 10.05 | 4.19 | ppb |
| Zirconium | 91-1 | 9.56 | 10.24 | 10.05 | 9.95 | 3.52 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-14 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A1 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:16:00 | DataFile Name : | 110SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 37025.46 | 37611.07 | 36898.29 | 37178.27 | 1.02 | ppb |
| Antimony | 121-1 | 1.36 | 1.41 | 1.46 | 1.41 | 3.34 | ppb |
| Arsenic | 75-2 | 59.08 | 58.62 | 57.76 | 58.49 | 1.15 | ppb |
| Barium | 135-1 | 371.63 | 378.23 | 376.41 | 375.42 | 0.91 | ppb |
| Barium | 137-1 | 368.60 | 376.23 | 374.77 | 373.20 | 1.08 | ppb |
| Beryllium | 9-1 | 1.25 | 1.35 | 1.18 | 1.26 | 6.81 | ppb |
| Bismuth | 209-1 | | | | 103 | | % |
| Bismuth | 209-2 | | | | 102 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.93 | 2.18 | 1.34 | 1.81 | 23.76 | ppb |
| Cadmium | 106-1 | 1.65 | 0.94 | 1.93 | 1.50 | 33.77 | ppb |
| Cadmium | 111-1 | 0.73 | 0.70 | 0.75 | 0.73 | 3.77 | ppb |
| Calcium | 43-1 | 46347.85 | 46514.64 | 46390.43 | 46417.64 | 0.19 | ppb |
| Calcium | 44-1 | 44828.71 | 45099.68 | 45529.42 | 45152.61 | 0.78 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 81.80 | 81.26 | 81.65 | 81.57 | 0.34 | ppb |
| Cobalt | 59-2 | 40.91 | 41.10 | 40.67 | 40.89 | 0.53 | ppb |
| Copper | 63-2 | 133.37 | 134.69 | 132.80 | 133.62 | 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 | | | | 100 | | % |
| Holmium | 165-2 | | | | 100 | | % |
| Indium | 115-1 | | | | 96 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 79207.73 | 79574.72 | 78294.81 | 79025.75 | 0.83 | ppb |
| Iron | 57-2 | 78277.64 | 77481.65 | 78397.66 | 78052.32 | 0.64 | ppb |
| Iron | 54-2 | 78716.91 | 79788.60 | 78308.74 | 78938.08 | 0.97 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-14 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A1 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:16:00 | DataFile Name : | 110SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 24.29 | 25.19 | 25.46 | 24.98 | 2.45 | ppb |
| Lead | 207-1 | 23.56 | 23.87 | 24.21 | 23.88 | 1.36 | ppb |
| Lead | 208-1 | 23.59 | 24.29 | 24.49 | 24.12 | 1.97 | ppb |
| Lithium | 6-1 | | | | 89 | | % |
| Magnesium | 24-2 | 25982.41 | 25664.47 | 25728.52 | 25791.80 | 0.65 | ppb |
| Manganese | 55-2 | 1622.52 | 1607.95 | 1591.50 | 1607.32 | 0.97 | ppb |
| Molybdenum | 94-1 | 23.38 | 23.65 | 24.03 | 23.69 | 1.39 | ppb |
| Molybdenum | 95-1 | 1.14 | 1.12 | 1.09 | 1.12 | 2.11 | ppb |
| Molybdenum | 96-1 | 3.88 | 3.99 | 3.84 | 3.90 | 2.06 | ppb |
| Molybdenum | 97-1 | 1.09 | 1.19 | 1.12 | 1.13 | 4.43 | ppb |
| Molybdenum | 98-1 | 1.01 | 1.07 | 1.10 | 1.06 | 4.51 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 100.73 | 102.51 | 101.20 | 101.48 | 0.91 | ppb |
| Phosphorus | 31-2 | 2825.48 | 2860.29 | 2841.31 | 2842.36 | 0.61 | ppb |
| Potassium | 39-2 | 6235.53 | 6353.14 | 6329.21 | 6305.96 | 0.99 | ppb |
| Rhodium | 103-1 | | | | 94 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 97 | | % |
| Scandium | 45-2 | | | | 96 | | % |
| Selenium | 82-1 | 0.88 | 0.85 | 1.58 | 1.10 | 37.74 | ppb |
| Selenium | 77-2 | 14.06 | 13.36 | 14.52 | 13.98 | 4.20 | ppb |
| Selenium | 78-2 | 2.04 | 0.95 | 0.46 | 1.15 | 70.17 | ppb |
| Silicon | 28-1 | 1284.85 | 1299.66 | 1317.94 | 1300.82 | 1.27 | ppb |
| Silver | 107-1 | 0.22 | 0.24 | 0.21 | 0.23 | 6.99 | ppb |
| Silver | 109-1 | 0.19 | 0.24 | 0.23 | 0.22 | 11.23 | ppb |
| Sodium | 23-2 | 860.45 | 869.57 | 859.16 | 863.06 | 0.66 | ppb |
| Strontium | 86-1 | 280.23 | 285.91 | 286.29 | 284.14 | 1.19 | ppb |
| Strontium | 88-1 | 301.61 | 307.85 | 306.12 | 305.19 | 1.06 | ppb |
| Sulfur | 34-1 | -1205.87 | -1112.95 | -1092.37 | -1137.07 | | ppb |
| Terbium | 159-1 | | | | 99 | | % |
| Terbium | 159-2 | | | | 97 | | % |
| Thallium | 203-1 | 0.17 | 0.18 | 0.20 | 0.18 | 7.08 | ppb |
| Thallium | 205-1 | 0.19 | 0.17 | 0.18 | 0.18 | 4.50 | ppb |
| Tin | 118-1 | 2.28 | 2.53 | 2.31 | 2.37 | 5.69 | ppb |
| Titanium | 47-1 | 1377.40 | 1391.93 | 1390.53 | 1386.62 | 0.58 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-14 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A1 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:16:00 | DataFile Name : | 110SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.82 | 0.82 | 0.83 | 0.82 | 0.63 | ppb |
| Vanadium | 51-2 | 164.58 | 164.54 | 163.36 | 164.16 | 0.42 | ppb |
| Yttrium | 89-1 | | | | 101 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | 167.12 | 166.36 | 168.10 | 167.20 | 0.52 | ppb |
| Zirconium | 90-1 | 13.61 | 14.08 | 14.08 | 13.92 | 1.94 | ppb |
| Zirconium | 91-1 | 13.35 | 13.86 | 14.05 | 13.75 | 2.63 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-15 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A2 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:19:09 | DataFile Name : | 111SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 39955.96 | 39664.83 | 39837.01 | 39819.27 | 0.37 | ppb |
| Antimony | 121-1 | 1.72 | 1.68 | 1.78 | 1.73 | 2.92 | ppb |
| Arsenic | 75-2 | 80.66 | 82.46 | 81.69 | 81.60 | 1.11 | ppb |
| Barium | 135-1 | 392.38 | 372.55 | 420.78 | 395.24 | 6.13 | ppb |
| Barium | 137-1 | 388.17 | 386.03 | 404.73 | 392.98 | 2.60 | ppb |
| Beryllium | 9-1 | 1.58 | 1.46 | 1.39 | 1.48 | 6.46 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 103 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.80 | 1.72 | 2.11 | 1.88 | 10.91 | ppb |
| Cadmium | 106-1 | 1.10 | 1.53 | 1.05 | 1.23 | 21.47 | ppb |
| Cadmium | 111-1 | 1.47 | 1.52 | 1.66 | 1.55 | 6.42 | ppb |
| Calcium | 43-1 | 14754.62 | 15092.29 | 14798.69 | 14881.87 | 1.23 | ppb |
| Calcium | 44-1 | 14365.48 | 14616.14 | 14867.83 | 14616.48 | 1.72 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 82.85 | 83.07 | 84.44 | 83.45 | 1.04 | ppb |
| Cobalt | 59-2 | 38.55 | 39.23 | 39.66 | 39.15 | 1.44 | ppb |
| Copper | 63-2 | 265.95 | 267.76 | 271.09 | 268.27 | 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 | | | | 101 | | % |
| Holmium | 165-2 | | | | 102 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 95 | | % |
| Iron | 56-2 | 74761.15 | 75036.95 | 76019.81 | 75272.63 | 0.88 | ppb |
| Iron | 57-2 | 73407.15 | 74409.37 | 75124.29 | 74313.60 | 1.16 | ppb |
| Iron | 54-2 | 74268.60 | 75479.13 | 75710.73 | 75152.82 | 1.03 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-15 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A2 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:19:09 | DataFile Name : | 111SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 53.91 | 54.74 | 55.22 | 54.62 | 1.21 | ppb |
| Lead | 207-1 | 52.93 | 55.34 | 50.45 | 52.91 | 4.62 | ppb |
| Lead | 208-1 | 52.26 | 53.65 | 52.02 | 52.64 | 1.67 | ppb |
| Lithium | 6-1 | | | | 89 | | % |
| Magnesium | 24-2 | 16637.76 | 16681.50 | 17000.97 | 16773.41 | 1.18 | ppb |
| Manganese | 55-2 | 1840.71 | 1862.60 | 1902.94 | 1868.75 | 1.69 | ppb |
| Molybdenum | 94-1 | 15.82 | 16.14 | 16.54 | 16.17 | 2.23 | ppb |
| Molybdenum | 95-1 | 1.42 | 1.37 | 1.45 | 1.41 | 3.15 | ppb |
| Molybdenum | 96-1 | 3.36 | 3.47 | 3.40 | 3.41 | 1.71 | ppb |
| Molybdenum | 97-1 | 1.35 | 1.57 | 1.40 | 1.44 | 8.13 | ppb |
| Molybdenum | 98-1 | 1.43 | 1.40 | 1.40 | 1.41 | 1.36 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 72.72 | 72.83 | 73.92 | 73.15 | 0.91 | ppb |
| Phosphorus | 31-2 | 1951.51 | 2050.11 | 2017.12 | 2006.25 | 2.50 | ppb |
| Potassium | 39-2 | 11134.47 | 11169.43 | 11304.78 | 11202.89 | 0.80 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 99 | | % |
| Scandium | 45-2 | | | | 96 | | % |
| Selenium | 82-1 | 1.34 | 1.92 | 0.52 | 1.26 | 55.93 | ppb |
| Selenium | 77-2 | 15.23 | 12.85 | 12.60 | 13.56 | 10.69 | ppb |
| Selenium | 78-2 | 3.07 | 1.48 | 2.21 | 2.25 | 35.26 | ppb |
| Silicon | 28-1 | 1351.77 | 1305.32 | 1288.71 | 1315.27 | 2.48 | ppb |
| Silver | 107-1 | 0.62 | 0.62 | 0.66 | 0.63 | 3.96 | ppb |
| Silver | 109-1 | 0.60 | 0.62 | 0.66 | 0.62 | 4.72 | ppb |
| Sodium | 23-2 | 271.24 | 276.78 | 273.04 | 273.69 | 1.03 | ppb |
| Strontium | 86-1 | 80.90 | 81.63 | 79.13 | 80.55 | 1.60 | ppb |
| Strontium | 88-1 | 79.28 | 80.10 | 80.04 | 79.81 | 0.57 | ppb |
| Sulfur | 34-1 | -1898.56 | -1893.20 | -2214.88 | -2002.22 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | 0.32 | 0.30 | 0.28 | 0.30 | 6.84 | ppb |
| Thallium | 205-1 | 0.27 | 0.29 | 0.27 | 0.28 | 3.77 | ppb |
| Tin | 118-1 | 2.46 | 2.40 | 2.43 | 2.43 | 1.20 | ppb |
| Titanium | 47-1 | 927.49 | 933.82 | 911.91 | 924.41 | 1.22 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-15 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A2 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:19:09 | DataFile Name : | 111SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.89 | 0.92 | 0.86 | 0.89 | 3.39 | ppb |
| Vanadium | 51-2 | 135.63 | 136.30 | 138.42 | 136.79 | 1.07 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 231.01 | 235.24 | 235.65 | 233.97 | 1.10 | ppb |
| Zirconium | 90-1 | 9.11 | 9.23 | 9.51 | 9.29 | 2.21 | ppb |
| Zirconium | 91-1 | 9.57 | 9.54 | 8.85 | 9.32 | 4.34 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-16 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A3 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:22:21 | DataFile Name : | 112SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 25841.06 | 25709.38 | 26163.61 | 25904.68 | 0.90 | ppb |
| Antimony | 121-1 | 1.00 | 1.03 | 1.09 | 1.04 | 4.32 | ppb |
| Arsenic | 75-2 | 43.55 | 44.27 | 45.48 | 44.43 | 2.19 | ppb |
| Barium | 135-1 | 267.99 | 268.57 | 278.13 | 271.56 | 2.10 | ppb |
| Barium | 137-1 | 265.43 | 268.51 | 276.24 | 270.06 | 2.06 | ppb |
| Beryllium | 9-1 | 0.80 | 0.96 | 1.18 | 0.98 | 19.61 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 101 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.90 | 1.05 | 0.81 | 0.92 | 13.46 | ppb |
| Cadmium | 106-1 | 0.86 | -0.03 | 0.77 | 0.54 | 91.48 | ppb |
| Cadmium | 111-1 | 0.52 | 0.51 | 0.58 | 0.54 | 7.62 | ppb |
| Calcium | 43-1 | 44023.33 | 45490.75 | 45789.33 | 45101.14 | 2.10 | ppb |
| Calcium | 44-1 | 43269.34 | 44165.28 | 44756.34 | 44063.66 | 1.70 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 69.66 | 70.03 | 70.66 | 70.11 | 0.72 | ppb |
| Cobalt | 59-2 | 28.89 | 28.89 | 29.04 | 28.94 | 0.30 | ppb |
| Copper | 63-2 | 96.61 | 96.82 | 97.06 | 96.83 | 0.24 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 100 | | % |
| Holmium | 165-2 | | | | 100 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 94 | | % |
| Iron | 56-2 | 60953.88 | 61804.94 | 61528.23 | 61429.02 | 0.71 | ppb |
| Iron | 57-2 | 60509.42 | 60555.98 | 60008.95 | 60358.12 | 0.50 | ppb |
| Iron | 54-2 | 60624.98 | 60673.70 | 61570.49 | 60956.39 | 0.87 | ppb |
| Krypton | 83-1 | | | | | | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-16 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A3 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:22:21 | DataFile Name : | 112SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 19.74 | 20.18 | 20.27 | 20.06 | 1.42 | ppb |
| Lead | 207-1 | 18.39 | 19.09 | 19.06 | 18.85 | 2.12 | ppb |
| Lead | 208-1 | 18.75 | 19.31 | 19.47 | 19.18 | 1.96 | ppb |
| Lithium | 6-1 | | | | 89 | | % |
| Magnesium | 24-2 | 22252.03 | 22390.88 | 22209.52 | 22284.15 | 0.43 | ppb |
| Manganese | 55-2 | 1184.46 | 1191.40 | 1168.68 | 1181.51 | 0.99 | ppb |
| Molybdenum | 94-1 | 14.47 | 14.88 | 14.90 | 14.75 | 1.63 | ppb |
| Molybdenum | 95-1 | 0.96 | 0.99 | 0.96 | 0.97 | 2.08 | ppb |
| Molybdenum | 96-1 | 2.67 | 2.82 | 2.87 | 2.78 | 3.81 | ppb |
| Molybdenum | 97-1 | 0.89 | 0.86 | 0.91 | 0.89 | 2.99 | ppb |
| Molybdenum | 98-1 | 0.89 | 0.91 | 0.93 | 0.91 | 2.08 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 76.02 | 76.91 | 76.67 | 76.54 | 0.60 | ppb |
| Phosphorus | 31-2 | 2156.87 | 2154.43 | 2187.44 | 2166.24 | 0.85 | ppb |
| Potassium | 39-2 | 5099.33 | 5020.19 | 5002.03 | 5040.51 | 1.03 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 95 | | % |
| Scandium | 45-2 | | | | 93 | | % |
| Selenium | 82-1 | 0.94 | -0.22 | 1.31 | 0.68 | 118.44 | ppb |
| Selenium | 77-2 | 6.94 | 8.53 | 9.68 | 8.39 | 16.43 | ppb |
| Selenium | 78-2 | 1.09 | 1.39 | -1.25 | 0.41 | 352.74 | ppb |
| Silicon | 28-1 | 1183.22 | 1202.79 | 1238.85 | 1208.29 | 2.34 | ppb |
| Silver | 107-1 | 0.19 | 0.16 | 0.21 | 0.19 | 12.82 | ppb |
| Silver | 109-1 | 0.18 | 0.18 | 0.18 | 0.18 | 1.56 | ppb |
| Sodium | 23-2 | 932.44 | 933.10 | 948.81 | 938.12 | 0.99 | ppb |
| Strontium | 86-1 | 155.98 | 158.61 | 157.80 | 157.46 | 0.86 | ppb |
| Strontium | 88-1 | 165.22 | 167.11 | 169.32 | 167.22 | 1.23 | ppb |
| Sulfur | 34-1 | -1149.75 | -863.33 | -643.17 | -885.42 | | ppb |
| Terbium | 159-1 | | | | 99 | | % |
| Terbium | 159-2 | | | | 98 | | % |
| Thallium | 203-1 | 0.15 | 0.14 | 0.14 | 0.14 | 4.30 | ppb |
| Thallium | 205-1 | 0.12 | 0.14 | 0.14 | 0.13 | 5.78 | ppb |
| Tin | 118-1 | 1.92 | 1.99 | 1.98 | 1.96 | 1.83 | ppb |
| Titanium | 47-1 | 1113.88 | 1144.22 | 1148.26 | 1135.45 | 1.66 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-16 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A3 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:22:21 | DataFile Name : | 112SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.65 | 0.64 | 0.67 | 0.65 | 2.54 | ppb |
| Vanadium | 51-2 | 126.39 | 127.02 | 127.57 | 126.99 | 0.46 | ppb |
| Yttrium | 89-1 | | | | 98 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | 138.67 | 139.50 | 138.96 | 139.04 | 0.30 | ppb |
| Zirconium | 90-1 | 8.53 | 8.59 | 8.60 | 8.57 | 0.47 | ppb |
| Zirconium | 91-1 | 8.42 | 8.56 | 8.59 | 8.53 | 1.07 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV039 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV039 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:25:29 | DataFile Name : | 113CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 48156.99 | 47598.03 | 47836.86 | 47863.96 | 0.59 | ppb |
| Antimony | 121-1 | 485.98 | 493.54 | 531.33 | 503.62 | 4.82 | ppb |
| Arsenic | 75-2 | 520.25 | 523.75 | 524.63 | 522.88 | 0.44 | ppb |
| Barium | 135-1 | 2531.20 | 2562.35 | 2712.08 | 2601.88 | 3.72 | ppb |
| Barium | 137-1 | 2501.20 | 2528.78 | 2670.49 | 2566.83 | 3.54 | ppb |
| Beryllium | 9-1 | 515.86 | 509.46 | 531.99 | 519.10 | 2.24 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 507.51 | 515.56 | 548.69 | 523.92 | 4.17 | ppb |
| Cadmium | 106-1 | 509.10 | 505.04 | 539.74 | 517.96 | 3.66 | ppb |
| Cadmium | 111-1 | 503.80 | 510.11 | 541.32 | 518.41 | 3.88 | ppb |
| Calcium | 43-1 | 241735.17 | 241805.22 | 257944.19 | 247161.53 | 3.78 | ppb |
| Calcium | 44-1 | 241272.73 | 243521.32 | 258176.11 | 247656.72 | 3.71 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 495.11 | 495.45 | 496.88 | 495.81 | 0.19 | ppb |
| Cobalt | 59-2 | 524.58 | 530.87 | 528.45 | 527.97 | 0.60 | ppb |
| Copper | 63-2 | 5169.06 | 5125.45 | 5169.96 | 5154.82 | 0.49 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 105 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 125569.42 | 124603.97 | 125919.30 | 125364.23 | 0.54 | ppb |
| Iron | 57-2 | 123697.13 | 122562.24 | 126124.02 | 124127.80 | 1.47 | ppb |
| Iron | 54-2 | 123517.50 | 124745.41 | 124241.89 | 124168.27 | 0.50 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV039 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV039 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:25:29 | DataFile Name : | 113CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2499.28 | 2578.51 | 2726.09 | 2601.29 | 4.42 | ppb |
| Lead | 207-1 | 2481.91 | 2559.30 | 2679.20 | 2573.47 | 3.86 | ppb |
| Lead | 208-1 | 2481.84 | 2546.72 | 2709.18 | 2579.25 | 4.54 | ppb |
| Lithium | 6-1 | | | | 100 | | % |
| Magnesium | 24-2 | 247647.45 | 247380.60 | 250219.31 | 248415.79 | 0.63 | ppb |
| Manganese | 55-2 | 4948.24 | 4942.45 | 5008.57 | 4966.42 | 0.74 | ppb |
| Molybdenum | 94-1 | 4927.64 | 5006.24 | 5380.94 | 5104.94 | 4.75 | ppb |
| Molybdenum | 95-1 | 4949.75 | 5000.42 | 5373.93 | 5108.03 | 4.54 | ppb |
| Molybdenum | 96-1 | 4969.07 | 5044.17 | 5296.49 | 5103.24 | 3.36 | ppb |
| Molybdenum | 97-1 | 4929.53 | 5036.43 | 5355.10 | 5107.02 | 4.34 | ppb |
| Molybdenum | 98-1 | 4942.81 | 4948.32 | 5299.73 | 5063.62 | 4.04 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 518.23 | 517.24 | 519.03 | 518.17 | 0.17 | ppb |
| Phosphorus | 31-2 | 9664.20 | 9734.41 | 9787.74 | 9728.78 | 0.64 | ppb |
| Potassium | 39-2 | 120525.55 | 121767.06 | 121443.43 | 121245.35 | 0.53 | ppb |
| Rhodium | 103-1 | | | | 94 | | % |
| Rhodium | 103-2 | | | | 94 | | % |
| Scandium | 45-1 | | | | 95 | | % |
| Scandium | 45-2 | | | | 94 | | % |
| Selenium | 82-1 | 499.91 | 504.79 | 543.24 | 515.98 | 4.60 | ppb |
| Selenium | 77-2 | 505.93 | 518.73 | 524.57 | 516.41 | 1.85 | ppb |
| Selenium | 78-2 | 504.83 | 513.92 | 512.93 | 510.56 | 0.98 | ppb |
| Silicon | 28-1 | 2753.11 | 2818.36 | 3037.68 | 2869.72 | 5.19 | ppb |
| Silver | 107-1 | 521.02 | 520.71 | 553.00 | 531.57 | 3.49 | ppb |
| Silver | 109-1 | 519.17 | 528.02 | 551.01 | 532.74 | 3.08 | ppb |
| Sodium | 23-2 | 244664.20 | 245012.52 | 243688.72 | 244455.15 | 0.28 | ppb |
| Strontium | 86-1 | 12261.37 | 12436.40 | 13348.86 | 12682.21 | 4.60 | ppb |
| Strontium | 88-1 | 12368.16 | 12537.84 | 13363.28 | 12756.43 | 4.17 | ppb |
| Sulfur | 34-1 | 8820.89 | 8843.11 | 10276.71 | 9313.57 | 8.96 | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 502.14 | 515.90 | 548.70 | 522.25 | 4.58 | ppb |
| Thallium | 205-1 | 496.01 | 519.81 | 542.18 | 519.33 | 4.45 | ppb |
| Tin | 118-1 | 479.20 | 487.79 | 515.89 | 494.29 | 3.88 | ppb |
| Titanium | 47-1 | 4909.10 | 4911.81 | 5347.93 | 5056.28 | 5.00 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV039 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV039 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:25:29 | DataFile Name : | 113CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 492.02 | 512.36 | 540.78 | 515.05 | 4.76 | ppb |
| Vanadium | 51-2 | 499.57 | 498.69 | 499.22 | 499.16 | 0.09 | ppb |
| Yttrium | 89-1 | | | | 98 | | % |
| Yttrium | 89-2 | | | | 99 | | % |
| Zinc | 66-2 | 5148.45 | 5254.71 | 5264.31 | 5222.49 | 1.23 | ppb |
| Zirconium | 90-1 | 499.05 | 510.49 | 545.09 | 518.21 | 4.63 | ppb |
| Zirconium | 91-1 | 488.78 | 498.08 | 531.05 | 505.97 | 4.39 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB039 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB039 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:28:17 | DataFile Name : | 114CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1.79 | 1.72 | 2.01 | 1.84 | 8.23 | ppb |
| Antimony | 121-1 | 0.31 | 0.30 | 0.30 | 0.30 | 2.27 | ppb |
| Arsenic | 75-2 | 0.02 | 0.01 | 0.03 | 0.02 | 61.02 | ppb |
| Barium | 135-1 | 0.12 | 0.08 | 0.08 | 0.09 | 21.28 | ppb |
| Barium | 137-1 | 0.13 | 0.09 | 0.07 | 0.10 | 34.36 | ppb |
| Beryllium | 9-1 | 0.06 | 0.03 | 0.02 | 0.03 | 56.89 | ppb |
| Bismuth | 209-1 | | | | 113 | | % |
| Bismuth | 209-2 | | | | 110 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.00 | 0.01 | -0.07 | -0.02 | | ppb |
| Cadmium | 106-1 | -1.29 | -1.53 | -2.29 | -1.71 | | ppb |
| Cadmium | 111-1 | -0.05 | -0.08 | -0.13 | -0.09 | | ppb |
| Calcium | 43-1 | 9.08 | 6.99 | -0.17 | 5.30 | 91.54 | ppb |
| Calcium | 44-1 | -6.40 | -10.77 | -13.91 | -10.36 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.03 | 0.02 | -0.02 | 0.01 | 224.85 | ppb |
| Cobalt | 59-2 | 0.01 | 0.00 | -0.01 | 0.00 | 412.59 | ppb |
| Copper | 63-2 | 0.13 | 0.09 | 0.07 | 0.10 | 34.63 | 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 | | | | 105 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 101 | | % |
| Iron | 56-2 | 4.52 | 4.21 | 4.14 | 4.29 | 4.71 | ppb |
| Iron | 57-2 | 0.55 | 1.09 | 2.49 | 1.38 | 72.64 | ppb |
| Iron | 54-2 | 3.48 | 3.94 | 4.02 | 3.82 | 7.65 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB039 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB039 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:28:17 | DataFile Name : | 114CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.20 | 0.16 | 0.16 | 0.17 | 13.54 | ppb |
| Lead | 207-1 | 0.20 | 0.16 | 0.12 | 0.16 | 23.78 | ppb |
| Lead | 208-1 | 0.19 | 0.16 | 0.14 | 0.16 | 16.48 | ppb |
| Lithium | 6-1 | | | | 103 | | % |
| Magnesium | 24-2 | 6.21 | 5.86 | 5.95 | 6.01 | 3.00 | ppb |
| Manganese | 55-2 | 0.11 | 0.09 | 0.09 | 0.10 | 11.10 | ppb |
| Molybdenum | 94-1 | 0.35 | 0.29 | 0.27 | 0.31 | 12.84 | ppb |
| Molybdenum | 95-1 | 0.37 | 0.29 | 0.24 | 0.30 | 21.84 | ppb |
| Molybdenum | 96-1 | 0.37 | 0.27 | 0.29 | 0.31 | 15.93 | ppb |
| Molybdenum | 97-1 | 0.37 | 0.29 | 0.26 | 0.31 | 17.42 | ppb |
| Molybdenum | 98-1 | 0.33 | 0.27 | 0.25 | 0.28 | 14.91 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.01 | -0.02 | 0.01 | 0.00 | 737.57 | ppb |
| Phosphorus | 31-2 | -22.48 | -19.76 | -17.97 | -20.07 | | ppb |
| Potassium | 39-2 | 6.56 | 9.46 | 5.80 | 7.27 | 26.56 | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 99 | | % |
| Scandium | 45-1 | | | | 97 | | % |
| Scandium | 45-2 | | | | 93 | | % |
| Selenium | 82-1 | 0.00 | 0.29 | 0.42 | 0.24 | 90.88 | ppb |
| Selenium | 77-2 | -0.37 | -0.37 | -0.37 | -0.37 | | ppb |
| Selenium | 78-2 | 2.03 | -1.59 | 0.19 | 0.21 | 870.47 | ppb |
| Silicon | 28-1 | -1.66 | -1.84 | -2.29 | -1.93 | | ppb |
| Silver | 107-1 | 0.06 | 0.04 | 0.04 | 0.04 | 22.20 | ppb |
| Silver | 109-1 | 0.05 | 0.04 | 0.04 | 0.05 | 14.60 | ppb |
| Sodium | 23-2 | 37.60 | 34.63 | 35.01 | 35.75 | 4.52 | ppb |
| Strontium | 86-1 | 0.50 | 0.40 | 0.28 | 0.39 | 28.68 | ppb |
| Strontium | 88-1 | 0.57 | 0.40 | 0.31 | 0.43 | 30.89 | ppb |
| Sulfur | 34-1 | -609.78 | -591.75 | -655.44 | -618.99 | | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 0.08 | 0.07 | 0.06 | 0.07 | 12.91 | ppb |
| Thallium | 205-1 | 0.08 | 0.06 | 0.05 | 0.06 | 25.59 | ppb |
| Tin | 118-1 | 0.06 | 0.10 | 0.09 | 0.08 | 23.57 | ppb |
| Titanium | 47-1 | 0.23 | 0.14 | 0.14 | 0.17 | 30.88 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB039 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB039 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:28:17 | DataFile Name : | 114CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.01 | 0.01 | 0.01 | 0.01 | 10.80 | ppb |
| Vanadium | 51-2 | 0.02 | 0.02 | 0.01 | 0.01 | 42.23 | ppb |
| Yttrium | 89-1 | | | | 99 | | % |
| Yttrium | 89-2 | | | | 99 | | % |
| Zinc | 66-2 | 0.24 | 0.25 | 0.21 | 0.23 | 9.59 | ppb |
| Zirconium | 90-1 | 0.04 | 0.03 | 0.03 | 0.03 | 19.73 | ppb |
| Zirconium | 91-1 | 0.04 | 0.02 | 0.02 | 0.03 | 30.26 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-17 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A4 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:31:34 | DataFile Name : | 115SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 43618.59 | 44891.58 | 49243.51 | 45917.89 | 6.42 | ppb |
| Antimony | 121-1 | 1.30 | 1.41 | 1.45 | 1.39 | 5.46 | ppb |
| Arsenic | 75-2 | 55.00 | 57.40 | 64.23 | 58.88 | 8.13 | ppb |
| Barium | 135-1 | 455.10 | 477.46 | 471.76 | 468.11 | 2.48 | ppb |
| Barium | 137-1 | 452.03 | 472.83 | 471.32 | 465.40 | 2.49 | ppb |
| Beryllium | 9-1 | 1.64 | 1.59 | 1.40 | 1.54 | 8.44 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 100 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.88 | 3.11 | 2.73 | 2.91 | 6.68 | ppb |
| Cadmium | 106-1 | 2.83 | 2.40 | 3.53 | 2.92 | 19.59 | ppb |
| Cadmium | 111-1 | 0.79 | 0.74 | 0.93 | 0.82 | 11.80 | ppb |
| Calcium | 43-1 | 40057.63 | 40578.70 | 40320.35 | 40318.89 | 0.65 | ppb |
| Calcium | 44-1 | 38983.26 | 39956.59 | 38741.01 | 39226.95 | 1.64 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 89.49 | 91.32 | 101.07 | 93.96 | 6.62 | ppb |
| Cobalt | 59-2 | 48.60 | 48.75 | 54.76 | 50.70 | 6.93 | ppb |
| Copper | 63-2 | 160.24 | 164.48 | 182.57 | 169.10 | 7.01 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 99 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 93 | | % |
| Iron | 56-2 | 86852.49 | 86801.60 | 98125.82 | 90593.30 | 7.20 | ppb |
| Iron | 57-2 | 85954.81 | 87871.74 | 96593.06 | 90139.87 | 6.29 | ppb |
| Iron | 54-2 | 86889.94 | 87523.34 | 97125.94 | 90513.07 | 6.34 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-17 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A4 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:31:34 | DataFile Name : | 115SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 27.70 | 28.01 | 28.48 | 28.07 | 1.40 | ppb |
| Lead | 207-1 | 26.66 | 26.81 | 27.07 | 26.85 | 0.78 | ppb |
| Lead | 208-1 | 26.73 | 26.97 | 27.34 | 27.01 | 1.14 | ppb |
| Lithium | 6-1 | | | | 92 | | % |
| Magnesium | 24-2 | 28808.60 | 29526.93 | 32834.34 | 30389.96 | 7.07 | ppb |
| Manganese | 55-2 | 1901.62 | 1918.97 | 2154.27 | 1991.62 | 7.09 | ppb |
| Molybdenum | 94-1 | 49.68 | 49.88 | 50.05 | 49.87 | 0.38 | ppb |
| Molybdenum | 95-1 | 1.06 | 1.11 | 1.12 | 1.10 | 3.11 | ppb |
| Molybdenum | 96-1 | 6.73 | 6.73 | 6.88 | 6.78 | 1.25 | ppb |
| Molybdenum | 97-1 | 1.09 | 1.02 | 1.06 | 1.06 | 3.56 | ppb |
| Molybdenum | 98-1 | 1.03 | 1.04 | 1.10 | 1.06 | 3.21 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 130.57 | 134.07 | 147.93 | 137.52 | 6.67 | ppb |
| Phosphorus | 31-2 | 3061.91 | 3026.40 | 3353.80 | 3147.37 | 5.71 | ppb |
| Potassium | 39-2 | 5466.61 | 5606.97 | 6175.51 | 5749.70 | 6.53 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 94 | | % |
| Scandium | 45-1 | | | | 99 | | % |
| Scandium | 45-2 | | | | 97 | | % |
| Selenium | 82-1 | 0.61 | 0.36 | 1.30 | 0.76 | 64.63 | ppb |
| Selenium | 77-2 | 12.13 | 12.02 | 17.00 | 13.72 | 20.76 | ppb |
| Selenium | 78-2 | 3.68 | 0.79 | 2.22 | 2.23 | 64.95 | ppb |
| Silicon | 28-1 | 1181.67 | 1172.56 | 1149.79 | 1168.01 | 1.41 | ppb |
| Silver | 107-1 | 0.32 | 0.31 | 0.29 | 0.30 | 4.98 | ppb |
| Silver | 109-1 | 0.29 | 0.29 | 0.26 | 0.28 | 6.17 | ppb |
| Sodium | 23-2 | 1422.99 | 1445.16 | 1627.40 | 1498.51 | 7.49 | ppb |
| Strontium | 86-1 | 663.26 | 673.33 | 672.07 | 669.55 | 0.82 | ppb |
| Strontium | 88-1 | 691.43 | 715.56 | 710.57 | 705.85 | 1.80 | ppb |
| Sulfur | 34-1 | -1071.26 | -1245.98 | -1406.87 | -1241.37 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 97 | | % |
| Thallium | 203-1 | 0.26 | 0.24 | 0.23 | 0.24 | 5.39 | ppb |
| Thallium | 205-1 | 0.23 | 0.24 | 0.23 | 0.23 | 1.94 | ppb |
| Tin | 118-1 | 2.20 | 2.29 | 2.39 | 2.29 | 4.18 | ppb |
| Titanium | 47-1 | 1972.32 | 1983.09 | 1962.99 | 1972.80 | 0.51 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-17 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A4 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:31:34 | DataFile Name : | 115SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.97 | 1.01 | 1.01 | 1.00 | 2.04 | ppb |
| Vanadium | 51-2 | 176.30 | 177.79 | 199.33 | 184.48 | 6.98 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | 168.11 | 174.57 | 190.56 | 177.75 | 6.50 | ppb |
| Zirconium | 90-1 | 29.34 | 29.99 | 30.01 | 29.78 | 1.27 | ppb |
| Zirconium | 91-1 | 29.30 | 30.15 | 29.74 | 29.73 | 1.43 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-18 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A5 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:34:44 | DataFile Name : | 116SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 46578.88 | 45794.91 | 45873.80 | 46082.53 | 0.94 | ppb |
| Antimony | 121-1 | 2.27 | 2.36 | 2.44 | 2.36 | 3.75 | ppb |
| Arsenic | 75-2 | 115.48 | 114.27 | 117.39 | 115.71 | 1.36 | ppb |
| Barium | 135-1 | 514.26 | 531.63 | 531.65 | 525.85 | 1.91 | ppb |
| Barium | 137-1 | 507.96 | 528.79 | 525.38 | 520.71 | 2.15 | ppb |
| Beryllium | 9-1 | 1.75 | 1.92 | 1.73 | 1.80 | 5.59 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.12 | 3.19 | 2.93 | 2.75 | 20.41 | ppb |
| Cadmium | 106-1 | 1.86 | 2.03 | 2.00 | 1.96 | 4.69 | ppb |
| Cadmium | 111-1 | 1.99 | 2.08 | 2.13 | 2.07 | 3.36 | ppb |
| Calcium | 43-1 | 28687.94 | 29150.72 | 30067.91 | 29302.19 | 2.40 | ppb |
| Calcium | 44-1 | 28134.38 | 28334.94 | 28484.29 | 28317.87 | 0.62 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 101.76 | 100.24 | 101.44 | 101.15 | 0.79 | ppb |
| Cobalt | 59-2 | 47.94 | 47.32 | 47.77 | 47.68 | 0.67 | ppb |
| Copper | 63-2 | 334.92 | 336.20 | 335.19 | 335.44 | 0.20 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 95849.43 | 94815.97 | 97066.72 | 95910.71 | 1.17 | ppb |
| Iron | 57-2 | 93323.12 | 94372.02 | 92720.85 | 93472.00 | 0.89 | ppb |
| Iron | 54-2 | 94521.32 | 93437.91 | 96215.32 | 94724.85 | 1.48 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-18 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A5 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:34:44 | DataFile Name : | 116SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 73.47 | 75.26 | 75.65 | 74.79 | 1.56 | ppb |
| Lead | 207-1 | 71.27 | 73.34 | 73.51 | 72.71 | 1.72 | ppb |
| Lead | 208-1 | 71.49 | 73.70 | 73.77 | 72.99 | 1.77 | ppb |
| Lithium | 6-1 | | | | 90 | | % |
| Magnesium | 24-2 | 21178.67 | 20913.65 | 20895.83 | 20996.05 | 0.75 | ppb |
| Manganese | 55-2 | 2458.07 | 2443.73 | 2514.51 | 2472.10 | 1.51 | ppb |
| Molybdenum | 94-1 | 19.31 | 20.17 | 20.33 | 19.94 | 2.74 | ppb |
| Molybdenum | 95-1 | 1.57 | 1.65 | 1.55 | 1.59 | 3.27 | ppb |
| Molybdenum | 96-1 | 4.19 | 4.16 | 4.10 | 4.15 | 1.00 | ppb |
| Molybdenum | 97-1 | 1.63 | 1.67 | 1.63 | 1.64 | 1.34 | ppb |
| Molybdenum | 98-1 | 1.52 | 1.59 | 1.54 | 1.55 | 2.46 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 93.10 | 91.71 | 92.81 | 92.54 | 0.79 | ppb |
| Phosphorus | 31-2 | 3065.92 | 3064.88 | 3115.72 | 3082.17 | 0.94 | ppb |
| Potassium | 39-2 | 12918.74 | 13029.32 | 13082.47 | 13010.18 | 0.64 | ppb |
| Rhodium | 103-1 | | | | 97 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 102 | | % |
| Scandium | 45-2 | | | | 101 | | % |
| Selenium | 82-1 | 1.66 | 2.54 | 1.88 | 2.03 | 22.63 | ppb |
| Selenium | 77-2 | 15.53 | 18.24 | 19.78 | 17.85 | 12.06 | ppb |
| Selenium | 78-2 | 1.74 | 2.01 | 2.80 | 2.18 | 25.24 | ppb |
| Silicon | 28-1 | 1405.78 | 1442.98 | 1487.44 | 1445.40 | 2.83 | ppb |
| Silver | 107-1 | 0.79 | 0.85 | 0.86 | 0.83 | 4.18 | ppb |
| Silver | 109-1 | 0.83 | 0.83 | 0.86 | 0.84 | 2.31 | ppb |
| Sodium | 23-2 | 310.45 | 310.06 | 315.12 | 311.88 | 0.90 | ppb |
| Strontium | 86-1 | 110.63 | 113.19 | 112.51 | 112.11 | 1.18 | ppb |
| Strontium | 88-1 | 117.78 | 120.56 | 119.84 | 119.39 | 1.21 | ppb |
| Sulfur | 34-1 | -1667.11 | -1844.44 | -1821.74 | -1777.76 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | 0.35 | 0.39 | 0.40 | 0.38 | 6.88 | ppb |
| Thallium | 205-1 | 0.37 | 0.38 | 0.38 | 0.38 | 1.39 | ppb |
| Tin | 118-1 | 2.76 | 2.72 | 2.70 | 2.73 | 1.05 | ppb |
| Titanium | 47-1 | 964.15 | 989.33 | 1004.76 | 986.08 | 2.08 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-18 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A5 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:34:44 | DataFile Name : | 116SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.05 | 1.08 | 1.08 | 1.07 | 1.37 | ppb |
| Vanadium | 51-2 | 175.83 | 175.00 | 178.26 | 176.37 | 0.96 | ppb |
| Yttrium | 89-1 | | | | 106 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 290.75 | 292.76 | 290.58 | 291.36 | 0.42 | ppb |
| Zirconium | 90-1 | 10.98 | 11.40 | 11.29 | 11.22 | 1.92 | ppb |
| Zirconium | 91-1 | 11.26 | 11.06 | 11.28 | 11.20 | 1.07 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-19 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A6 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:37:52 | DataFile Name : | 117SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 45732.64 | 45144.15 | 44874.71 | 45250.50 | 0.97 | ppb |
| Antimony | 121-1 | 1.99 | 1.94 | 1.99 | 1.97 | 1.43 | ppb |
| Arsenic | 75-2 | 91.91 | 91.07 | 87.82 | 90.27 | 2.39 | ppb |
| Barium | 135-1 | 453.14 | 455.42 | 467.76 | 458.78 | 1.71 | ppb |
| Barium | 137-1 | 454.71 | 456.01 | 464.51 | 458.41 | 1.16 | ppb |
| Beryllium | 9-1 | 1.58 | 1.63 | 1.46 | 1.56 | 5.83 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.35 | 2.36 | 2.99 | 2.57 | 14.17 | ppb |
| Cadmium | 106-1 | 1.99 | 1.98 | 1.84 | 1.93 | 4.29 | ppb |
| Cadmium | 111-1 | 1.57 | 1.65 | 1.55 | 1.59 | 3.52 | ppb |
| Calcium | 43-1 | 22642.91 | 22868.74 | 23756.01 | 23089.22 | 2.55 | ppb |
| Calcium | 44-1 | 21709.68 | 22240.57 | 23088.96 | 22346.40 | 3.11 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 93.35 | 92.53 | 91.24 | 92.37 | 1.15 | ppb |
| Cobalt | 59-2 | 42.27 | 42.30 | 41.63 | 42.07 | 0.91 | ppb |
| Copper | 63-2 | 259.14 | 257.62 | 253.97 | 256.91 | 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 | | | | 101 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 97 | | % |
| Iron | 56-2 | 84777.94 | 84298.13 | 83753.48 | 84276.52 | 0.61 | ppb |
| Iron | 57-2 | 82594.49 | 82886.60 | 82073.91 | 82518.33 | 0.50 | ppb |
| Iron | 54-2 | 84557.72 | 83362.67 | 83442.51 | 83787.63 | 0.80 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-19 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A6 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:37:52 | DataFile Name : | 117SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 58.05 | 58.93 | 59.56 | 58.85 | 1.28 | ppb |
| Lead | 207-1 | 56.07 | 56.95 | 58.30 | 57.11 | 1.97 | ppb |
| Lead | 208-1 | 56.59 | 57.37 | 58.04 | 57.33 | 1.27 | ppb |
| Lithium | 6-1 | | | | 92 | | % |
| Magnesium | 24-2 | 19582.95 | 19130.91 | 18875.00 | 19196.29 | 1.87 | ppb |
| Manganese | 55-2 | 2200.35 | 2141.35 | 2177.89 | 2173.19 | 1.37 | ppb |
| Molybdenum | 94-1 | 18.73 | 19.72 | 19.69 | 19.38 | 2.90 | ppb |
| Molybdenum | 95-1 | 1.46 | 1.30 | 1.39 | 1.38 | 6.02 | ppb |
| Molybdenum | 96-1 | 3.60 | 3.75 | 3.78 | 3.71 | 2.61 | ppb |
| Molybdenum | 97-1 | 1.37 | 1.42 | 1.36 | 1.38 | 2.24 | ppb |
| Molybdenum | 98-1 | 1.26 | 1.36 | 1.33 | 1.32 | 3.90 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 82.43 | 81.01 | 81.07 | 81.50 | 0.99 | ppb |
| Phosphorus | 31-2 | 2371.83 | 2284.92 | 2219.19 | 2291.98 | 3.34 | ppb |
| Potassium | 39-2 | 11230.82 | 10986.41 | 10870.72 | 11029.32 | 1.67 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 97 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 1.03 | 1.98 | 1.07 | 1.36 | 39.24 | ppb |
| Selenium | 77-2 | 14.70 | 16.50 | 14.94 | 15.38 | 6.35 | ppb |
| Selenium | 78-2 | 0.31 | 0.38 | 2.04 | 0.91 | 108.07 | ppb |
| Silicon | 28-1 | 1275.34 | 1297.62 | 1349.75 | 1307.57 | 2.92 | ppb |
| Silver | 107-1 | 0.62 | 0.63 | 0.67 | 0.64 | 3.57 | ppb |
| Silver | 109-1 | 0.63 | 0.61 | 0.66 | 0.64 | 3.88 | ppb |
| Sodium | 23-2 | 286.50 | 284.90 | 283.62 | 285.01 | 0.51 | ppb |
| Strontium | 86-1 | 103.74 | 105.36 | 107.86 | 105.65 | 1.97 | ppb |
| Strontium | 88-1 | 109.08 | 113.43 | 112.45 | 111.65 | 2.04 | ppb |
| Sulfur | 34-1 | -2117.13 | -2272.37 | -2129.21 | -2172.91 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | 0.30 | 0.35 | 0.37 | 0.34 | 11.18 | ppb |
| Thallium | 205-1 | 0.35 | 0.35 | 0.34 | 0.35 | 1.58 | ppb |
| Tin | 118-1 | 2.48 | 2.53 | 2.50 | 2.50 | 0.99 | ppb |
| Titanium | 47-1 | 983.37 | 995.78 | 1035.87 | 1005.01 | 2.73 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-19 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A6 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:37:52 | DataFile Name : | 117SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.89 | 0.92 | 0.92 | 0.91 | 2.19 | ppb |
| Vanadium | 51-2 | 157.23 | 157.42 | 153.96 | 156.20 | 1.25 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 245.71 | 242.01 | 240.65 | 242.79 | 1.08 | ppb |
| Zirconium | 90-1 | 10.72 | 10.96 | 11.36 | 11.01 | 2.95 | ppb |
| Zirconium | 91-1 | 10.92 | 10.92 | 11.25 | 11.03 | 1.74 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A7 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:41:03 | DataFile Name : | 118SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 52315.67 | 52007.16 | 51925.65 | 52082.83 | 0.39 | ppb |
| Antimony | 121-1 | 2.26 | 2.29 | 2.36 | 2.30 | 2.39 | ppb |
| Arsenic | 75-2 | 133.65 | 135.57 | 135.53 | 134.91 | 0.81 | ppb |
| Barium | 135-1 | 605.01 | 621.07 | 633.36 | 619.81 | 2.29 | ppb |
| Barium | 137-1 | 605.79 | 618.67 | 629.71 | 618.06 | 1.94 | ppb |
| Beryllium | 9-1 | 1.71 | 2.06 | 1.94 | 1.90 | 9.53 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 103 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.00 | 1.92 | 2.53 | 2.15 | 15.49 | ppb |
| Cadmium | 106-1 | 0.87 | 1.22 | 1.38 | 1.16 | 22.22 | ppb |
| Cadmium | 111-1 | 0.94 | 0.95 | 0.95 | 0.95 | 0.89 | ppb |
| Calcium | 43-1 | 27689.35 | 27962.88 | 28297.19 | 27983.14 | 1.09 | ppb |
| Calcium | 44-1 | 27038.32 | 27275.58 | 27479.76 | 27264.55 | 0.81 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 109.49 | 109.17 | 109.77 | 109.48 | 0.28 | ppb |
| Cobalt | 59-2 | 55.84 | 55.07 | 55.53 | 55.48 | 0.71 | ppb |
| Copper | 63-2 | 208.66 | 207.83 | 208.52 | 208.34 | 0.21 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 102 | | % |
| Holmium | 165-2 | | | | 102 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 114213.01 | 113532.62 | 113772.18 | 113839.27 | 0.30 | ppb |
| Iron | 57-2 | 112753.60 | 111403.76 | 110755.13 | 111637.50 | 0.91 | ppb |
| Iron | 54-2 | 112969.37 | 112836.02 | 113155.88 | 112987.09 | 0.14 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A7 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:41:03 | DataFile Name : | 118SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 42.50 | 43.08 | 43.49 | 43.03 | 1.16 | ppb |
| Lead | 207-1 | 40.32 | 41.28 | 41.30 | 40.97 | 1.37 | ppb |
| Lead | 208-1 | 41.00 | 41.77 | 42.09 | 41.62 | 1.35 | ppb |
| Lithium | 6-1 | | | | 94 | | % |
| Magnesium | 24-2 | 23846.70 | 24127.58 | 24016.06 | 23996.78 | 0.59 | ppb |
| Manganese | 55-2 | 3153.70 | 3176.15 | 3168.67 | 3166.17 | 0.36 | ppb |
| Molybdenum | 94-1 | 25.52 | 26.76 | 26.34 | 26.21 | 2.40 | ppb |
| Molybdenum | 95-1 | 2.16 | 2.18 | 2.13 | 2.15 | 1.10 | ppb |
| Molybdenum | 96-1 | 5.34 | 5.41 | 5.32 | 5.36 | 0.86 | ppb |
| Molybdenum | 97-1 | 2.04 | 2.13 | 2.02 | 2.06 | 2.86 | ppb |
| Molybdenum | 98-1 | 1.99 | 2.18 | 1.96 | 2.04 | 5.66 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 104.50 | 104.10 | 105.34 | 104.65 | 0.60 | ppb |
| Phosphorus | 31-2 | 2678.31 | 2662.07 | 2696.10 | 2678.83 | 0.64 | ppb |
| Potassium | 39-2 | 12750.63 | 12631.04 | 12632.56 | 12671.41 | 0.54 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 102 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 82-1 | 2.00 | 1.32 | 1.13 | 1.48 | 30.82 | ppb |
| Selenium | 77-2 | 16.16 | 14.37 | 18.11 | 16.21 | 11.55 | ppb |
| Selenium | 78-2 | 2.63 | 4.17 | 4.39 | 3.73 | 25.80 | ppb |
| Silicon | 28-1 | 1381.31 | 1376.33 | 1366.54 | 1374.73 | 0.55 | ppb |
| Silver | 107-1 | 0.35 | 0.36 | 0.40 | 0.37 | 7.41 | ppb |
| Silver | 109-1 | 0.35 | 0.37 | 0.39 | 0.37 | 4.52 | ppb |
| Sodium | 23-2 | 258.15 | 260.34 | 260.26 | 259.58 | 0.48 | ppb |
| Strontium | 86-1 | 109.95 | 111.54 | 110.43 | 110.64 | 0.74 | ppb |
| Strontium | 88-1 | 114.81 | 119.28 | 117.23 | 117.11 | 1.91 | ppb |
| Sulfur | 34-1 | -2345.62 | -2283.52 | -2366.36 | -2331.83 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.38 | 0.35 | 0.37 | 0.37 | 3.75 | ppb |
| Thallium | 205-1 | 0.38 | 0.39 | 0.37 | 0.38 | 2.64 | ppb |
| Tin | 118-1 | 2.29 | 2.29 | 2.36 | 2.31 | 1.68 | ppb |
| Titanium | 47-1 | 978.38 | 980.34 | 990.59 | 983.10 | 0.67 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A7 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:41:03 | DataFile Name : | 118SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.11 | 1.15 | 1.14 | 1.13 | 2.09 | ppb |
| Vanadium | 51-2 | 203.64 | 201.89 | 202.33 | 202.62 | 0.45 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 106 | | % |
| Zinc | 66-2 | 237.09 | 239.31 | 237.97 | 238.12 | 0.47 | ppb |
| Zirconium | 90-1 | 14.36 | 15.04 | 14.93 | 14.77 | 2.48 | ppb |
| Zirconium | 91-1 | 14.47 | 15.10 | 14.91 | 14.83 | 2.19 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-21 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A8 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:44:12 | DataFile Name : | 119SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 44577.12 | 44074.75 | 43872.10 | 44174.66 | 0.82 | ppb |
| Antimony | 121-1 | 2.50 | 2.41 | 2.41 | 2.44 | 2.02 | ppb |
| Arsenic | 75-2 | 124.29 | 125.47 | 126.53 | 125.43 | 0.89 | ppb |
| Barium | 135-1 | 727.91 | 724.24 | 718.58 | 723.58 | 0.65 | ppb |
| Barium | 137-1 | 788.27 | 794.01 | 791.42 | 791.23 | 0.36 | ppb |
| Beryllium | 9-1 | 1.87 | 1.89 | 1.92 | 1.89 | 1.46 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 102 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.55 | 2.68 | 2.08 | 2.44 | 12.90 | ppb |
| Cadmium | 106-1 | 1.21 | 1.67 | 1.04 | 1.31 | 24.92 | ppb |
| Cadmium | 111-1 | 1.34 | 1.34 | 1.38 | 1.36 | 1.82 | ppb |
| Calcium | 43-1 | 35313.57 | 36905.26 | 36539.67 | 36252.83 | 2.30 | ppb |
| Calcium | 44-1 | 35184.26 | 35556.36 | 35311.94 | 35350.85 | 0.53 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 97.98 | 97.07 | 96.69 | 97.25 | 0.68 | ppb |
| Cobalt | 59-2 | 48.09 | 48.08 | 47.76 | 47.98 | 0.39 | ppb |
| Copper | 63-2 | 222.88 | 218.79 | 217.84 | 219.84 | 1.22 | 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 | | | | 101 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 117744.58 | 116475.73 | 117606.96 | 117275.76 | 0.59 | ppb |
| Iron | 57-2 | 117051.27 | 115684.09 | 115916.62 | 116217.33 | 0.63 | ppb |
| Iron | 54-2 | 116171.13 | 116809.98 | 115299.81 | 116093.64 | 0.65 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-21 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A8 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:44:12 | DataFile Name : | 119SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 63.05 | 62.56 | 63.86 | 63.15 | 1.04 | ppb |
| Lead | 207-1 | 60.13 | 60.73 | 61.86 | 60.90 | 1.44 | ppb |
| Lead | 208-1 | 60.87 | 61.25 | 62.05 | 61.39 | 0.99 | ppb |
| Lithium | 6-1 | | | | 92 | | % |
| Magnesium | 24-2 | 22409.12 | 21947.49 | 22026.50 | 22127.71 | 1.12 | ppb |
| Manganese | 55-2 | 4878.92 | 4898.92 | 4867.81 | 4881.88 | 0.32 | ppb |
| Molybdenum | 94-1 | 21.49 | 22.00 | 21.78 | 21.76 | 1.18 | ppb |
| Molybdenum | 95-1 | 1.40 | 1.55 | 1.44 | 1.46 | 5.02 | ppb |
| Molybdenum | 96-1 | 4.24 | 4.30 | 4.14 | 4.23 | 1.92 | ppb |
| Molybdenum | 97-1 | 1.42 | 1.40 | 1.34 | 1.39 | 2.83 | ppb |
| Molybdenum | 98-1 | 1.34 | 1.36 | 1.37 | 1.36 | 1.23 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 89.87 | 89.57 | 89.90 | 89.78 | 0.21 | ppb |
| Phosphorus | 31-2 | 2167.85 | 2177.77 | 2169.58 | 2171.74 | 0.24 | ppb |
| Potassium | 39-2 | 9662.41 | 9538.31 | 9599.53 | 9600.08 | 0.65 | ppb |
| Rhodium | 103-1 | | | | 94 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | 1.48 | 1.68 | 0.94 | 1.37 | 28.02 | ppb |
| Selenium | 77-2 | 15.37 | 13.34 | 18.15 | 15.62 | 15.46 | ppb |
| Selenium | 78-2 | 2.65 | 4.94 | 2.76 | 3.45 | 37.42 | ppb |
| Silicon | 28-1 | 1401.00 | 1423.07 | 1424.99 | 1416.36 | 0.94 | ppb |
| Silver | 107-1 | 0.43 | 0.44 | 0.42 | 0.43 | 2.38 | ppb |
| Silver | 109-1 | 0.43 | 0.40 | 0.44 | 0.42 | 4.31 | ppb |
| Sodium | 23-2 | 211.99 | 210.93 | 213.02 | 211.98 | 0.49 | ppb |
| Strontium | 86-1 | 94.97 | 95.09 | 95.08 | 95.05 | 0.07 | ppb |
| Strontium | 88-1 | 98.19 | 101.40 | 100.85 | 100.15 | 1.72 | ppb |
| Sulfur | 34-1 | -1951.83 | -1821.63 | -1796.86 | -1856.77 | | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 98 | | % |
| Thallium | 203-1 | 0.45 | 0.47 | 0.48 | 0.47 | 3.03 | ppb |
| Thallium | 205-1 | 0.46 | 0.46 | 0.46 | 0.46 | 0.89 | ppb |
| Tin | 118-1 | 2.72 | 2.61 | 2.69 | 2.67 | 2.09 | ppb |
| Titanium | 47-1 | 796.00 | 817.45 | 809.34 | 807.60 | 1.34 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-21 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A8 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:44:12 | DataFile Name : | 119SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.78 | 0.79 | 0.79 | 0.78 | 0.99 | ppb |
| Vanadium | 51-2 | 208.82 | 206.77 | 207.43 | 207.67 | 0.50 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 103 | | % |
| Zinc | 66-2 | 248.18 | 246.98 | 247.07 | 247.41 | 0.27 | ppb |
| Zirconium | 90-1 | 12.37 | 12.56 | 12.60 | 12.51 | 0.98 | ppb |
| Zirconium | 91-1 | 12.23 | 12.78 | 12.61 | 12.54 | 2.23 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-22 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A9 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:47:23 | DataFile Name : | 120SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 54872.36 | 55086.41 | 55958.00 | 55305.59 | 1.04 | ppb |
| Antimony | 121-1 | 2.50 | 2.58 | 2.60 | 2.56 | 2.02 | ppb |
| Arsenic | 75-2 | 190.49 | 190.59 | 194.93 | 192.00 | 1.32 | ppb |
| Barium | 135-1 | 627.92 | 639.61 | 641.71 | 636.41 | 1.17 | ppb |
| Barium | 137-1 | 621.52 | 630.36 | 637.50 | 629.79 | 1.27 | ppb |
| Beryllium | 9-1 | 1.86 | 2.03 | 1.88 | 1.92 | 4.82 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 102 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.60 | 3.31 | 3.27 | 3.06 | 13.00 | ppb |
| Cadmium | 106-1 | 3.09 | 3.29 | 2.67 | 3.02 | 10.49 | ppb |
| Cadmium | 111-1 | 2.32 | 2.33 | 2.42 | 2.36 | 2.35 | ppb |
| Calcium | 43-1 | 24218.17 | 25075.09 | 25040.73 | 24778.00 | 1.96 | ppb |
| Calcium | 44-1 | 23585.67 | 24240.31 | 24137.70 | 23987.89 | 1.47 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 120.25 | 122.05 | 122.42 | 121.57 | 0.96 | ppb |
| Cobalt | 59-2 | 56.54 | 56.62 | 56.73 | 56.63 | 0.17 | ppb |
| Copper | 63-2 | 359.86 | 357.90 | 361.15 | 359.63 | 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 | | | | 100 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 95 | | % |
| Iron | 56-2 | 109716.92 | 107972.16 | 109695.34 | 109128.14 | 0.92 | ppb |
| Iron | 57-2 | 106890.12 | 107203.96 | 106353.51 | 106815.86 | 0.40 | ppb |
| Iron | 54-2 | 109241.94 | 107453.96 | 107262.05 | 107985.98 | 1.01 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-22 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A9 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:47:23 | DataFile Name : | 120SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 86.03 | 87.12 | 89.50 | 87.55 | 2.03 | ppb |
| Lead | 207-1 | 82.59 | 84.02 | 86.63 | 84.41 | 2.43 | ppb |
| Lead | 208-1 | 83.43 | 84.57 | 87.33 | 85.11 | 2.36 | ppb |
| Lithium | 6-1 | | | | 93 | | % |
| Magnesium | 24-2 | 25082.74 | 25160.03 | 25524.63 | 25255.80 | 0.93 | ppb |
| Manganese | 55-2 | 2893.82 | 2863.30 | 2927.01 | 2894.71 | 1.10 | ppb |
| Molybdenum | 94-1 | 28.53 | 29.52 | 29.24 | 29.10 | 1.76 | ppb |
| Molybdenum | 95-1 | 1.53 | 1.50 | 1.54 | 1.53 | 1.30 | ppb |
| Molybdenum | 96-1 | 5.09 | 5.10 | 5.12 | 5.11 | 0.31 | ppb |
| Molybdenum | 97-1 | 1.48 | 1.50 | 1.54 | 1.51 | 1.95 | ppb |
| Molybdenum | 98-1 | 1.42 | 1.44 | 1.50 | 1.46 | 2.84 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 119.23 | 119.08 | 118.40 | 118.90 | 0.37 | ppb |
| Phosphorus | 31-2 | 2817.93 | 2759.08 | 2806.37 | 2794.46 | 1.12 | ppb |
| Potassium | 39-2 | 15075.01 | 14985.78 | 15152.70 | 15071.16 | 0.55 | ppb |
| Rhodium | 103-1 | | | | 94 | | % |
| Rhodium | 103-2 | | | | 94 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 98 | | % |
| Selenium | 82-1 | 2.52 | 1.75 | 1.78 | 2.02 | 21.81 | ppb |
| Selenium | 77-2 | 18.38 | 18.03 | 15.33 | 17.24 | 9.68 | ppb |
| Selenium | 78-2 | 3.79 | 3.88 | 4.12 | 3.93 | 4.29 | ppb |
| Silicon | 28-1 | 1649.14 | 1689.37 | 1708.18 | 1682.23 | 1.79 | ppb |
| Silver | 107-1 | 0.86 | 0.90 | 0.92 | 0.89 | 3.25 | ppb |
| Silver | 109-1 | 0.86 | 0.88 | 0.89 | 0.88 | 1.84 | ppb |
| Sodium | 23-2 | 307.53 | 308.28 | 308.85 | 308.22 | 0.21 | ppb |
| Strontium | 86-1 | 131.63 | 137.35 | 137.30 | 135.43 | 2.43 | ppb |
| Strontium | 88-1 | 139.82 | 143.00 | 142.42 | 141.75 | 1.20 | ppb |
| Sulfur | 34-1 | -2317.17 | -2267.31 | -2365.22 | -2316.57 | | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | 0.38 | 0.41 | 0.41 | 0.40 | 4.74 | ppb |
| Thallium | 205-1 | 0.41 | 0.41 | 0.44 | 0.42 | 4.55 | ppb |
| Tin | 118-1 | 2.95 | 3.04 | 3.07 | 3.02 | 1.95 | ppb |
| Titanium | 47-1 | 1079.23 | 1130.36 | 1134.52 | 1114.70 | 2.76 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-22 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A9 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:47:23 | DataFile Name : | 120SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.12 | 1.10 | 1.18 | 1.13 | 3.57 | ppb |
| Vanadium | 51-2 | 203.51 | 202.78 | 205.37 | 203.89 | 0.66 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 104 | | % |
| Zinc | 66-2 | 305.19 | 304.98 | 308.93 | 306.37 | 0.73 | ppb |
| Zirconium | 90-1 | 16.35 | 16.89 | 16.98 | 16.74 | 2.06 | ppb |
| Zirconium | 91-1 | 16.53 | 16.90 | 16.73 | 16.72 | 1.12 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 18:50:31 | DataFile Name : | 121SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 10455.81 | 10308.57 | 10276.62 | 10347.00 | 0.92 | ppb |
| Antimony | 121-1 | 0.73 | 0.80 | 0.78 | 0.77 | 4.51 | ppb |
| Arsenic | 75-2 | 57.53 | 58.13 | 58.22 | 57.96 | 0.65 | ppb |
| Barium | 135-1 | 136.13 | 137.22 | 136.87 | 136.74 | 0.41 | ppb |
| Barium | 137-1 | 135.83 | 137.30 | 137.32 | 136.82 | 0.62 | ppb |
| Beryllium | 9-1 | 0.40 | 0.41 | 0.45 | 0.42 | 5.94 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.27 | 0.60 | 0.80 | 0.89 | 38.88 | ppb |
| Cadmium | 106-1 | -0.09 | -0.93 | -0.34 | -0.45 | | ppb |
| Cadmium | 111-1 | 0.55 | 0.49 | 0.47 | 0.51 | 8.41 | ppb |
| Calcium | 43-1 | 3368.90 | 3445.43 | 3461.13 | 3425.15 | 1.44 | ppb |
| Calcium | 44-1 | 3358.65 | 3488.79 | 3516.41 | 3454.61 | 2.44 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 24.07 | 23.68 | 23.68 | 23.81 | 0.93 | ppb |
| Cobalt | 59-2 | 12.84 | 12.77 | 12.70 | 12.77 | 0.53 | ppb |
| Copper | 63-2 | 88.38 | 87.08 | 86.93 | 87.46 | 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 | | | | 99 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 95 | | % |
| Iron | 56-2 | 24565.26 | 24567.94 | 24373.90 | 24502.37 | 0.45 | ppb |
| Iron | 57-2 | 24476.85 | 24245.29 | 24077.05 | 24266.40 | 0.83 | ppb |
| Iron | 54-2 | 24692.23 | 24318.17 | 24419.68 | 24476.69 | 0.79 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:Mohan
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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 18:50:31 | DataFile Name : | 121SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 21.79 | 21.54 | 21.72 | 21.68 | 0.60 | ppb |
| Lead | 207-1 | 20.81 | 21.09 | 20.98 | 20.96 | 0.67 | ppb |
| Lead | 208-1 | 21.03 | 21.13 | 21.05 | 21.07 | 0.25 | ppb |
| Lithium | 6-1 | | | | 93 | | % |
| Magnesium | 24-2 | 4879.13 | 4863.77 | 4833.37 | 4858.76 | 0.48 | ppb |
| Manganese | 55-2 | 861.40 | 869.58 | 859.82 | 863.60 | 0.61 | ppb |
| Molybdenum | 94-1 | 5.40 | 5.64 | 5.78 | 5.61 | 3.36 | ppb |
| Molybdenum | 95-1 | 0.46 | 0.54 | 0.52 | 0.50 | 8.64 | ppb |
| Molybdenum | 96-1 | 1.16 | 1.22 | 1.17 | 1.18 | 2.89 | ppb |
| Molybdenum | 97-1 | 0.49 | 0.54 | 0.52 | 0.52 | 4.28 | ppb |
| Molybdenum | 98-1 | 0.46 | 0.45 | 0.49 | 0.47 | 4.60 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 22.26 | 22.93 | 22.67 | 22.62 | 1.48 | ppb |
| Phosphorus | 31-2 | 841.12 | 815.98 | 763.44 | 806.85 | 4.91 | ppb |
| Potassium | 39-2 | 3590.23 | 3553.09 | 3512.82 | 3552.04 | 1.09 | ppb |
| Rhodium | 103-1 | | | | 94 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 92 | | % |
| Scandium | 45-2 | | | | 90 | | % |
| Selenium | 82-1 | 0.75 | 0.46 | 1.06 | 0.76 | 39.41 | ppb |
| Selenium | 77-2 | 3.74 | 3.45 | 4.99 | 4.06 | 20.18 | ppb |
| Selenium | 78-2 | 0.24 | 0.52 | 1.59 | 0.78 | 91.11 | ppb |
| Silicon | 28-1 | 484.41 | 516.03 | 507.29 | 502.57 | 3.25 | ppb |
| Silver | 107-1 | 0.24 | 0.22 | 0.20 | 0.22 | 8.87 | ppb |
| Silver | 109-1 | 0.24 | 0.22 | 0.22 | 0.23 | 4.78 | ppb |
| Sodium | 23-2 | 82.52 | 86.77 | 78.02 | 82.44 | 5.31 | ppb |
| Strontium | 86-1 | 27.98 | 28.06 | 28.54 | 28.19 | 1.07 | ppb |
| Strontium | 88-1 | 27.64 | 28.30 | 28.73 | 28.22 | 1.95 | ppb |
| Sulfur | 34-1 | -2348.61 | -2273.14 | -2273.37 | -2298.37 | | ppb |
| Terbium | 159-1 | | | | 99 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | 0.09 | 0.09 | 0.09 | 0.09 | 3.13 | ppb |
| Thallium | 205-1 | 0.08 | 0.09 | 0.09 | 0.09 | 0.97 | ppb |
| Tin | 118-1 | 1.16 | 1.15 | 1.17 | 1.16 | 0.90 | ppb |
| Titanium | 47-1 | 237.12 | 249.43 | 245.45 | 244.00 | 2.58 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 18:50:31 | DataFile Name : | 121SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.34 | 0.34 | 0.32 | 0.33 | 4.29 | ppb |
| Vanadium | 51-2 | 43.12 | 42.51 | 42.47 | 42.70 | 0.84 | ppb |
| Yttrium | 89-1 | | | | 95 | | % |
| Yttrium | 89-2 | | | | 97 | | % |
| Zinc | 66-2 | 89.42 | 88.49 | 85.42 | 87.77 | 2.39 | ppb |
| Zirconium | 90-1 | 3.04 | 3.13 | 3.20 | 3.12 | 2.45 | ppb |
| Zirconium | 91-1 | 3.09 | 3.12 | 3.06 | 3.09 | 0.94 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-05DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 18:53:46 | DataFile Name : | 122SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 10515.23 | 10379.64 | 10546.67 | 10480.51 | 0.85 | ppb |
| Antimony | 121-1 | 0.74 | 0.77 | 0.72 | 0.74 | 3.14 | ppb |
| Arsenic | 75-2 | 51.38 | 51.67 | 51.20 | 51.42 | 0.47 | ppb |
| Barium | 135-1 | 127.00 | 130.14 | 129.53 | 128.89 | 1.29 | ppb |
| Barium | 137-1 | 125.18 | 129.30 | 129.15 | 127.88 | 1.83 | ppb |
| Beryllium | 9-1 | 0.40 | 0.39 | 0.33 | 0.37 | 9.47 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.86 | 0.72 | 0.79 | 0.79 | 8.91 | ppb |
| Cadmium | 106-1 | -0.85 | -0.57 | -0.46 | -0.63 | | ppb |
| Cadmium | 111-1 | 0.47 | 0.53 | 0.44 | 0.48 | 9.29 | ppb |
| Calcium | 43-1 | 3231.69 | 3303.78 | 3356.71 | 3297.39 | 1.90 | ppb |
| Calcium | 44-1 | 3272.51 | 3347.98 | 3376.06 | 3332.19 | 1.61 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 24.11 | 23.91 | 24.12 | 24.04 | 0.50 | ppb |
| Cobalt | 59-2 | 12.71 | 12.57 | 12.36 | 12.55 | 1.39 | ppb |
| Copper | 63-2 | 86.78 | 86.44 | 87.75 | 86.99 | 0.78 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 99 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 95 | | % |
| Iron | 56-2 | 24198.30 | 24045.35 | 24556.48 | 24266.71 | 1.08 | ppb |
| Iron | 57-2 | 24227.65 | 24196.55 | 24410.35 | 24278.19 | 0.48 | ppb |
| Iron | 54-2 | 24606.33 | 23976.22 | 24303.99 | 24295.51 | 1.30 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-05DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 18:53:46 | DataFile Name : | 122SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 20.89 | 21.11 | 21.35 | 21.12 | 1.09 | ppb |
| Lead | 207-1 | 20.19 | 20.98 | 20.53 | 20.57 | 1.93 | ppb |
| Lead | 208-1 | 20.24 | 20.84 | 20.75 | 20.61 | 1.57 | ppb |
| Lithium | 6-1 | | | | 96 | | % |
| Magnesium | 24-2 | 4851.03 | 4847.43 | 4892.29 | 4863.58 | 0.51 | ppb |
| Manganese | 55-2 | 778.97 | 778.07 | 783.28 | 780.10 | 0.36 | ppb |
| Molybdenum | 94-1 | 5.38 | 5.91 | 5.59 | 5.63 | 4.74 | ppb |
| Molybdenum | 95-1 | 0.51 | 0.45 | 0.52 | 0.50 | 8.00 | ppb |
| Molybdenum | 96-1 | 1.07 | 1.22 | 1.19 | 1.16 | 6.69 | ppb |
| Molybdenum | 97-1 | 0.50 | 0.50 | 0.50 | 0.50 | 0.78 | ppb |
| Molybdenum | 98-1 | 0.44 | 0.46 | 0.47 | 0.46 | 3.14 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 21.99 | 22.32 | 22.58 | 22.30 | 1.33 | ppb |
| Phosphorus | 31-2 | 811.05 | 846.80 | 794.51 | 817.45 | 3.27 | ppb |
| Potassium | 39-2 | 3535.17 | 3516.90 | 3542.27 | 3531.45 | 0.37 | ppb |
| Rhodium | 103-1 | | | | 94 | | % |
| Rhodium | 103-2 | | | | 94 | | % |
| Scandium | 45-1 | | | | 93 | | % |
| Scandium | 45-2 | | | | 89 | | % |
| Selenium | 82-1 | 0.64 | 1.75 | 0.77 | 1.05 | 57.38 | ppb |
| Selenium | 77-2 | 3.85 | 3.91 | 2.71 | 3.49 | 19.35 | ppb |
| Selenium | 78-2 | -0.71 | 2.76 | 0.39 | 0.81 | 217.59 | ppb |
| Silicon | 28-1 | 463.57 | 473.04 | 470.78 | 469.13 | 1.05 | ppb |
| Silver | 107-1 | 0.21 | 0.21 | 0.22 | 0.21 | 4.75 | ppb |
| Silver | 109-1 | 0.20 | 0.22 | 0.21 | 0.21 | 4.70 | ppb |
| Sodium | 23-2 | 74.19 | 73.38 | 75.19 | 74.25 | 1.22 | ppb |
| Strontium | 86-1 | 26.77 | 27.26 | 27.57 | 27.20 | 1.49 | ppb |
| Strontium | 88-1 | 27.12 | 27.53 | 27.55 | 27.40 | 0.88 | ppb |
| Sulfur | 34-1 | -2411.88 | -2396.73 | -2425.19 | -2411.27 | | ppb |
| Terbium | 159-1 | | | | 99 | | % |
| Terbium | 159-2 | | | | 98 | | % |
| Thallium | 203-1 | 0.07 | 0.10 | 0.07 | 0.08 | 22.81 | ppb |
| Thallium | 205-1 | 0.09 | 0.09 | 0.09 | 0.09 | 2.44 | ppb |
| Tin | 118-1 | 1.04 | 1.04 | 1.01 | 1.03 | 1.52 | ppb |
| Titanium | 47-1 | 236.46 | 240.81 | 241.59 | 239.62 | 1.15 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-05DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 18:53:46 | DataFile Name : | 122SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.31 | 0.33 | 0.32 | 0.32 | 3.25 | ppb |
| Vanadium | 51-2 | 42.46 | 42.27 | 42.88 | 42.54 | 0.72 | ppb |
| Yttrium | 89-1 | | | | 95 | | % |
| Yttrium | 89-2 | | | | 95 | | % |
| Zinc | 66-2 | 82.96 | 84.64 | 84.35 | 83.98 | 1.07 | ppb |
| Zirconium | 90-1 | 2.96 | 3.17 | 3.16 | 3.10 | 3.79 | ppb |
| Zirconium | 91-1 | 3.15 | 3.18 | 3.08 | 3.14 | 1.74 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 18:56:59 | DataFile Name : | 123SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2000.20 | 1994.49 | 2025.26 | 2006.65 | 0.82 | ppb |
| Antimony | 121-1 | 0.15 | 0.15 | 0.18 | 0.16 | 12.58 | ppb |
| Arsenic | 75-2 | 11.97 | 11.37 | 10.80 | 11.38 | 5.13 | ppb |
| Barium | 135-1 | 25.53 | 26.65 | 27.05 | 26.41 | 2.99 | ppb |
| Barium | 137-1 | 25.45 | 27.14 | 27.19 | 26.59 | 3.72 | ppb |
| Beryllium | 9-1 | 0.08 | 0.11 | 0.11 | 0.10 | 14.86 | ppb |
| Bismuth | 209-1 | | | | 103 | | % |
| Bismuth | 209-2 | | | | 103 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.01 | -0.02 | 0.02 | 0.00 | 598.02 | ppb |
| Cadmium | 106-1 | -1.56 | -2.31 | -1.41 | -1.76 | | ppb |
| Cadmium | 111-1 | -0.03 | -0.01 | 0.00 | -0.01 | | ppb |
| Calcium | 43-1 | 641.51 | 691.55 | 677.28 | 670.11 | 3.85 | ppb |
| Calcium | 44-1 | 640.41 | 660.95 | 668.82 | 656.73 | 2.23 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 4.62 | 4.61 | 4.74 | 4.66 | 1.49 | ppb |
| Cobalt | 59-2 | 2.44 | 2.53 | 2.50 | 2.49 | 1.72 | ppb |
| Copper | 63-2 | 16.60 | 17.03 | 16.98 | 16.87 | 1.40 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 99 | | % |
| Holmium | 165-2 | | | | 99 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 95 | | % |
| Iron | 56-2 | 4739.91 | 4758.85 | 4794.01 | 4764.26 | 0.58 | ppb |
| Iron | 57-2 | 4733.44 | 4753.36 | 4771.07 | 4752.62 | 0.40 | ppb |
| Iron | 54-2 | 4827.10 | 4813.76 | 4859.68 | 4833.51 | 0.49 | ppb |
| Krypton | 83-1 | | | | | | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 18:56:59 | DataFile Name : | 123SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 4.21 | 4.19 | 4.40 | 4.27 | 2.72 | ppb |
| Lead | 207-1 | 4.07 | 4.17 | 4.14 | 4.13 | 1.25 | ppb |
| Lead | 208-1 | 4.12 | 4.14 | 4.26 | 4.17 | 1.75 | ppb |
| Lithium | 6-1 | | | | 95 | | % |
| Magnesium | 24-2 | 948.54 | 939.95 | 950.07 | 946.18 | 0.58 | ppb |
| Manganese | 55-2 | 164.88 | 164.50 | 166.49 | 165.29 | 0.64 | ppb |
| Molybdenum | 94-1 | 1.04 | 1.09 | 1.16 | 1.09 | 5.64 | ppb |
| Molybdenum | 95-1 | 0.10 | 0.08 | 0.10 | 0.09 | 15.62 | ppb |
| Molybdenum | 96-1 | 0.26 | 0.21 | 0.26 | 0.24 | 11.61 | ppb |
| Molybdenum | 97-1 | 0.07 | 0.09 | 0.07 | 0.08 | 13.86 | ppb |
| Molybdenum | 98-1 | 0.08 | 0.10 | 0.09 | 0.09 | 9.93 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 4.32 | 4.40 | 4.54 | 4.42 | 2.55 | ppb |
| Phosphorus | 31-2 | 160.95 | 136.45 | 155.63 | 151.01 | 8.53 | ppb |
| Potassium | 39-2 | 683.92 | 693.13 | 691.23 | 689.43 | 0.71 | ppb |
| Rhodium | 103-1 | | | | 94 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 91 | | % |
| Scandium | 45-2 | | | | 89 | | % |
| Selenium | 82-1 | 0.61 | 0.86 | 1.32 | 0.93 | 38.82 | ppb |
| Selenium | 77-2 | 1.19 | 0.03 | 0.02 | 0.41 | 164.34 | ppb |
| Selenium | 78-2 | -0.63 | 1.31 | -0.09 | 0.20 | 511.80 | ppb |
| Silicon | 28-1 | 95.45 | 98.46 | 99.91 | 97.94 | 2.32 | ppb |
| Silver | 107-1 | 0.04 | 0.05 | 0.05 | 0.05 | 6.74 | ppb |
| Silver | 109-1 | 0.04 | 0.04 | 0.04 | 0.04 | 3.60 | ppb |
| Sodium | 23-2 | 20.17 | 23.27 | 24.22 | 22.55 | 9.38 | ppb |
| Strontium | 86-1 | 5.19 | 5.47 | 5.65 | 5.43 | 4.23 | ppb |
| Strontium | 88-1 | 5.41 | 5.57 | 5.63 | 5.54 | 2.12 | ppb |
| Sulfur | 34-1 | -2516.05 | -2386.41 | -2253.75 | -2385.40 | | ppb |
| Terbium | 159-1 | | | | 97 | | % |
| Terbium | 159-2 | | | | 98 | | % |
| Thallium | 203-1 | 0.02 | 0.02 | 0.02 | 0.02 | 1.76 | ppb |
| Thallium | 205-1 | 0.01 | 0.01 | 0.02 | 0.01 | 22.64 | ppb |
| Tin | 118-1 | 0.82 | 0.87 | 0.90 | 0.86 | 4.78 | ppb |
| Titanium | 47-1 | 46.63 | 46.99 | 48.05 | 47.22 | 1.57 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 18:56:59 | DataFile Name : | 123SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.05 | 0.06 | 0.06 | 0.06 | 8.00 | ppb |
| Vanadium | 51-2 | 8.19 | 8.46 | 8.28 | 8.31 | 1.67 | ppb |
| Yttrium | 89-1 | | | | 92 | | % |
| Yttrium | 89-2 | | | | 94 | | % |
| Zinc | 66-2 | 17.83 | 18.24 | 17.36 | 17.81 | 2.47 | ppb |
| Zirconium | 90-1 | 0.64 | 0.63 | 0.62 | 0.63 | 1.62 | ppb |
| Zirconium | 91-1 | 0.59 | 0.71 | 0.67 | 0.65 | 9.24 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-06DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:00:17 | DataFile Name : | 124SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 10529.44 | 10714.24 | 10712.03 | 10651.90 | 1.00 | ppb |
| Antimony | 121-1 | 18.38 | 18.38 | 18.46 | 18.41 | 0.25 | ppb |
| Arsenic | 75-2 | 63.05 | 64.15 | 64.97 | 64.06 | 1.51 | ppb |
| Barium | 135-1 | 483.05 | 488.50 | 499.86 | 490.47 | 1.75 | ppb |
| Barium | 137-1 | 482.70 | 487.36 | 495.70 | 488.59 | 1.35 | ppb |
| Beryllium | 9-1 | 9.91 | 10.90 | 10.44 | 10.42 | 4.72 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 8.86 | 9.18 | 8.86 | 8.97 | 2.10 | ppb |
| Cadmium | 106-1 | 7.36 | 8.05 | 8.37 | 7.92 | 6.50 | ppb |
| Cadmium | 111-1 | 9.23 | 9.60 | 9.93 | 9.59 | 3.63 | ppb |
| Calcium | 43-1 | 3314.87 | 3423.81 | 3359.07 | 3365.92 | 1.63 | ppb |
| Calcium | 44-1 | 3339.08 | 3371.03 | 3383.78 | 3364.63 | 0.68 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 63.17 | 63.61 | 63.60 | 63.46 | 0.39 | ppb |
| Cobalt | 59-2 | 109.23 | 110.59 | 110.90 | 110.24 | 0.81 | ppb |
| Copper | 63-2 | 132.86 | 133.30 | 133.38 | 133.18 | 0.21 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 99 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 95 | | % |
| Iron | 56-2 | 24465.73 | 24750.38 | 24748.36 | 24654.83 | 0.66 | ppb |
| Iron | 57-2 | 24501.06 | 24495.18 | 24620.45 | 24538.90 | 0.29 | ppb |
| Iron | 54-2 | 24551.60 | 24899.40 | 24702.22 | 24717.74 | 0.71 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-06DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:00:17 | DataFile Name : | 124SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 24.66 | 25.21 | 25.20 | 25.02 | 1.28 | ppb |
| Lead | 207-1 | 23.40 | 24.94 | 25.02 | 24.45 | 3.73 | ppb |
| Lead | 208-1 | 23.83 | 24.86 | 24.70 | 24.46 | 2.26 | ppb |
| Lithium | 6-1 | | | | 98 | | % |
| Magnesium | 24-2 | 4842.31 | 4852.63 | 4887.95 | 4860.97 | 0.49 | ppb |
| Manganese | 55-2 | 933.63 | 938.36 | 950.45 | 940.81 | 0.92 | ppb |
| Molybdenum | 94-1 | 5.58 | 5.49 | 5.66 | 5.58 | 1.57 | ppb |
| Molybdenum | 95-1 | 0.45 | 0.50 | 0.51 | 0.48 | 6.75 | ppb |
| Molybdenum | 96-1 | 1.12 | 1.10 | 1.24 | 1.15 | 6.58 | ppb |
| Molybdenum | 97-1 | 0.50 | 0.48 | 0.51 | 0.49 | 2.61 | ppb |
| Molybdenum | 98-1 | 0.45 | 0.48 | 0.44 | 0.45 | 4.77 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 123.63 | 123.66 | 124.76 | 124.02 | 0.52 | ppb |
| Phosphorus | 31-2 | 853.73 | 863.08 | 852.25 | 856.35 | 0.69 | ppb |
| Potassium | 39-2 | 3518.47 | 3544.37 | 3549.27 | 3537.37 | 0.47 | ppb |
| Rhodium | 103-1 | | | | 94 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 92 | | % |
| Scandium | 45-2 | | | | 90 | | % |
| Selenium | 82-1 | 20.97 | 19.04 | 20.85 | 20.28 | 5.33 | ppb |
| Selenium | 77-2 | 28.04 | 19.51 | 23.59 | 23.71 | 18.01 | ppb |
| Selenium | 78-2 | 20.47 | 12.88 | 20.62 | 17.99 | 24.60 | ppb |
| Silicon | 28-1 | 491.91 | 495.93 | 496.27 | 494.70 | 0.49 | ppb |
| Silver | 107-1 | 7.96 | 8.11 | 8.35 | 8.14 | 2.40 | ppb |
| Silver | 109-1 | 7.90 | 8.18 | 8.27 | 8.12 | 2.37 | ppb |
| Sodium | 23-2 | 66.75 | 65.76 | 69.33 | 67.28 | 2.74 | ppb |
| Strontium | 86-1 | 27.42 | 27.65 | 28.02 | 27.70 | 1.10 | ppb |
| Strontium | 88-1 | 27.93 | 28.47 | 28.47 | 28.29 | 1.10 | ppb |
| Sulfur | 34-1 | -2287.84 | -2319.09 | -2371.14 | -2326.02 | | ppb |
| Terbium | 159-1 | | | | 98 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | 7.55 | 7.89 | 7.99 | 7.81 | 2.95 | ppb |
| Thallium | 205-1 | 7.75 | 8.00 | 7.96 | 7.90 | 1.68 | ppb |
| Tin | 118-1 | 1.09 | 1.09 | 1.19 | 1.12 | 5.06 | ppb |
| Titanium | 47-1 | 239.17 | 243.75 | 242.10 | 241.67 | 0.96 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-06DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:00:17 | DataFile Name : | 124SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.33 | 0.33 | 0.33 | 0.33 | 0.58 | ppb |
| Vanadium | 51-2 | 138.23 | 139.24 | 139.88 | 139.12 | 0.60 | ppb |
| Yttrium | 89-1 | | | | 94 | | % |
| Yttrium | 89-2 | | | | 97 | | % |
| Zinc | 66-2 | 175.25 | 178.48 | 180.98 | 178.24 | 1.61 | ppb |
| Zirconium | 90-1 | 3.07 | 3.20 | 3.17 | 3.14 | 2.22 | ppb |
| Zirconium | 91-1 | 3.23 | 3.24 | 3.10 | 3.19 | 2.46 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:03:29 | DataFile Name : | 125SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 11418.08 | 11618.68 | 13004.47 | 12013.74 | 7.19 | ppb |
| Antimony | 121-1 | 71.99 | 73.67 | 74.42 | 73.36 | 1.70 | ppb |
| Arsenic | 75-2 | 81.63 | 84.07 | 98.30 | 88.00 | 10.23 | ppb |
| Barium | 135-1 | 1592.76 | 1640.48 | 1692.40 | 1641.88 | 3.03 | ppb |
| Barium | 137-1 | 1622.78 | 1642.49 | 1634.72 | 1633.33 | 0.61 | ppb |
| Beryllium | 9-1 | 37.57 | 37.36 | 38.29 | 37.74 | 1.29 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 100 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 36.73 | 35.75 | 36.30 | 36.26 | 1.37 | ppb |
| Cadmium | 106-1 | 32.72 | 32.34 | 33.42 | 32.83 | 1.67 | ppb |
| Cadmium | 111-1 | 38.19 | 38.21 | 39.24 | 38.55 | 1.56 | ppb |
| Calcium | 43-1 | 3114.16 | 3218.76 | 3367.58 | 3233.50 | 3.94 | ppb |
| Calcium | 44-1 | 3198.28 | 3251.38 | 3327.87 | 3259.18 | 2.00 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 173.82 | 175.10 | 199.52 | 182.81 | 7.92 | ppb |
| Cobalt | 59-2 | 387.51 | 389.31 | 451.77 | 409.53 | 8.93 | ppb |
| Copper | 63-2 | 262.78 | 263.85 | 300.68 | 275.77 | 7.83 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 100 | | % |
| Holmium | 165-2 | | | | 97 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 90 | | % |
| Iron | 56-2 | 24537.65 | 24667.99 | 28043.10 | 25749.58 | 7.72 | ppb |
| Iron | 57-2 | 24594.85 | 24560.25 | 28098.28 | 25751.12 | 7.89 | ppb |
| Iron | 54-2 | 25045.19 | 24637.31 | 28013.14 | 25898.55 | 7.11 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:03:29 | DataFile Name : | 125SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 33.58 | 34.20 | 34.42 | 34.07 | 1.27 | ppb |
| Lead | 207-1 | 33.37 | 33.34 | 33.37 | 33.36 | 0.04 | ppb |
| Lead | 208-1 | 33.17 | 33.50 | 33.72 | 33.46 | 0.83 | ppb |
| Lithium | 6-1 | | | | 99 | | % |
| Magnesium | 24-2 | 4779.34 | 4812.62 | 5429.05 | 5007.00 | 7.31 | ppb |
| Manganese | 55-2 | 1212.51 | 1192.98 | 1358.95 | 1254.81 | 7.23 | ppb |
| Molybdenum | 94-1 | 5.47 | 5.26 | 5.61 | 5.45 | 3.23 | ppb |
| Molybdenum | 95-1 | 0.51 | 0.46 | 0.50 | 0.49 | 5.47 | ppb |
| Molybdenum | 96-1 | 1.09 | 1.10 | 1.16 | 1.12 | 3.57 | ppb |
| Molybdenum | 97-1 | 0.46 | 0.44 | 0.49 | 0.46 | 6.01 | ppb |
| Molybdenum | 98-1 | 0.47 | 0.49 | 0.48 | 0.48 | 2.29 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 411.66 | 413.37 | 469.81 | 431.61 | 7.67 | ppb |
| Phosphorus | 31-2 | 779.69 | 799.21 | 933.54 | 837.48 | 10.00 | ppb |
| Potassium | 39-2 | 3457.64 | 3477.49 | 3986.20 | 3640.44 | 8.23 | ppb |
| Rhodium | 103-1 | | | | 93 | | % |
| Rhodium | 103-2 | | | | 90 | | % |
| Scandium | 45-1 | | | | 93 | | % |
| Scandium | 45-2 | | | | 85 | | % |
| Selenium | 82-1 | 80.59 | 80.63 | 82.37 | 81.20 | 1.25 | ppb |
| Selenium | 77-2 | 86.47 | 68.85 | 93.69 | 83.00 | 15.40 | ppb |
| Selenium | 78-2 | 79.16 | 79.47 | 92.81 | 83.81 | 9.30 | ppb |
| Silicon | 28-1 | 470.37 | 481.08 | 492.58 | 481.34 | 2.31 | ppb |
| Silver | 107-1 | 24.14 | 23.58 | 26.23 | 24.65 | 5.66 | ppb |
| Silver | 109-1 | 30.04 | 23.23 | 25.92 | 26.40 | 13.01 | ppb |
| Sodium | 23-2 | 93.96 | 95.79 | 117.59 | 102.45 | 12.83 | ppb |
| Strontium | 86-1 | 27.17 | 26.81 | 27.12 | 27.03 | 0.73 | ppb |
| Strontium | 88-1 | 27.19 | 27.28 | 27.49 | 27.32 | 0.56 | ppb |
| Sulfur | 34-1 | -2382.41 | -2476.82 | -2391.05 | -2416.76 | | ppb |
| Terbium | 159-1 | | | | 98 | | % |
| Terbium | 159-2 | | | | 95 | | % |
| Thallium | 203-1 | 32.29 | 31.47 | 32.07 | 31.94 | 1.33 | ppb |
| Thallium | 205-1 | 31.79 | 32.33 | 32.44 | 32.19 | 1.09 | ppb |
| Tin | 118-1 | 1.00 | 1.04 | 1.11 | 1.05 | 5.34 | ppb |
| Titanium | 47-1 | 232.55 | 232.94 | 243.87 | 236.45 | 2.72 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:03:29 | DataFile Name : | 125SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.34 | 0.31 | 0.32 | 0.32 | 4.23 | ppb |
| Vanadium | 51-2 | 414.01 | 412.53 | 470.69 | 432.41 | 7.67 | ppb |
| Yttrium | 89-1 | | | | 95 | | % |
| Yttrium | 89-2 | | | | 91 | | % |
| Zinc | 66-2 | 448.94 | 449.29 | 511.75 | 469.99 | 7.69 | ppb |
| Zirconium | 90-1 | 3.02 | 3.06 | 3.06 | 3.05 | 0.69 | ppb |
| Zirconium | 91-1 | 3.08 | 3.01 | 3.07 | 3.05 | 1.24 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:06:41 | DataFile Name : | 126SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 12685.26 | 12807.41 | 12892.07 | 12794.91 | 0.81 | ppb |
| Antimony | 121-1 | 0.50 | 0.50 | 0.51 | 0.51 | 1.57 | ppb |
| Arsenic | 75-2 | 30.69 | 32.37 | 34.05 | 32.37 | 5.20 | ppb |
| Barium | 135-1 | 134.34 | 137.11 | 137.60 | 136.35 | 1.29 | ppb |
| Barium | 137-1 | 134.42 | 134.98 | 135.98 | 135.13 | 0.58 | ppb |
| Beryllium | 9-1 | 0.51 | 0.42 | 0.34 | 0.42 | 20.50 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.56 | 0.68 | 0.49 | 0.58 | 17.20 | ppb |
| Cadmium | 106-1 | -1.17 | -0.55 | -0.34 | -0.69 | | ppb |
| Cadmium | 111-1 | 0.38 | 0.40 | 0.48 | 0.42 | 12.26 | ppb |
| Calcium | 43-1 | 5864.63 | 5912.29 | 5926.78 | 5901.24 | 0.55 | ppb |
| Calcium | 44-1 | 5898.53 | 5925.69 | 5988.93 | 5937.71 | 0.78 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 28.24 | 27.71 | 27.99 | 27.98 | 0.95 | ppb |
| Cobalt | 59-2 | 13.12 | 12.79 | 13.23 | 13.05 | 1.76 | ppb |
| Copper | 63-2 | 78.32 | 77.15 | 78.58 | 78.02 | 0.98 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 99 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 94 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 24904.04 | 24477.98 | 24808.70 | 24730.24 | 0.90 | ppb |
| Iron | 57-2 | 24778.62 | 24505.24 | 24792.75 | 24692.20 | 0.66 | ppb |
| Iron | 54-2 | 24806.13 | 24406.58 | 24605.96 | 24606.22 | 0.81 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:06:41 | DataFile Name : | 126SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 17.34 | 17.67 | 17.76 | 17.59 | 1.24 | ppb |
| Lead | 207-1 | 16.96 | 17.20 | 17.37 | 17.18 | 1.22 | ppb |
| Lead | 208-1 | 16.89 | 17.24 | 17.42 | 17.18 | 1.56 | ppb |
| Lithium | 6-1 | | | | 101 | | % |
| Magnesium | 24-2 | 5646.37 | 5594.05 | 5688.85 | 5643.09 | 0.84 | ppb |
| Manganese | 55-2 | 833.28 | 829.48 | 841.35 | 834.70 | 0.73 | ppb |
| Molybdenum | 94-1 | 7.17 | 7.02 | 7.39 | 7.19 | 2.57 | ppb |
| Molybdenum | 95-1 | 0.31 | 0.35 | 0.31 | 0.33 | 7.38 | ppb |
| Molybdenum | 96-1 | 1.18 | 1.25 | 1.23 | 1.22 | 3.10 | ppb |
| Molybdenum | 97-1 | 0.31 | 0.33 | 0.27 | 0.30 | 10.47 | ppb |
| Molybdenum | 98-1 | 0.31 | 0.32 | 0.29 | 0.31 | 3.89 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 26.40 | 25.68 | 25.96 | 26.01 | 1.40 | ppb |
| Phosphorus | 31-2 | 533.08 | 534.39 | 556.32 | 541.27 | 2.41 | ppb |
| Potassium | 39-2 | 2911.50 | 2892.83 | 2914.23 | 2906.19 | 0.40 | ppb |
| Rhodium | 103-1 | | | | 93 | | % |
| Rhodium | 103-2 | | | | 94 | | % |
| Scandium | 45-1 | | | | 91 | | % |
| Scandium | 45-2 | | | | 89 | | % |
| Selenium | 82-1 | 0.24 | 0.77 | 0.54 | 0.52 | 51.68 | ppb |
| Selenium | 77-2 | 3.06 | 3.07 | 4.37 | 3.50 | 21.52 | ppb |
| Selenium | 78-2 | 0.73 | -1.43 | -3.22 | -1.31 | | ppb |
| Silicon | 28-1 | 511.96 | 511.07 | 513.96 | 512.33 | 0.29 | ppb |
| Silver | 107-1 | 0.21 | 0.21 | 0.21 | 0.21 | 0.58 | ppb |
| Silver | 109-1 | 0.24 | 0.22 | 0.20 | 0.22 | 10.06 | ppb |
| Sodium | 23-2 | 76.32 | 72.93 | 74.25 | 74.50 | 2.29 | ppb |
| Strontium | 86-1 | 24.91 | 25.18 | 25.47 | 25.18 | 1.11 | ppb |
| Strontium | 88-1 | 25.04 | 25.79 | 25.63 | 25.49 | 1.55 | ppb |
| Sulfur | 34-1 | -2205.31 | -2328.79 | -2340.94 | -2291.68 | | ppb |
| Terbium | 159-1 | | | | 98 | | % |
| Terbium | 159-2 | | | | 98 | | % |
| Thallium | 203-1 | 0.10 | 0.12 | 0.09 | 0.11 | 12.33 | ppb |
| Thallium | 205-1 | 0.10 | 0.10 | 0.10 | 0.10 | 2.55 | ppb |
| Tin | 118-1 | 1.06 | 1.08 | 1.06 | 1.07 | 0.87 | ppb |
| Titanium | 47-1 | 264.51 | 269.44 | 265.37 | 266.44 | 0.99 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:06:41 | DataFile Name : | 126SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.22 | 0.23 | 0.24 | 0.23 | 4.97 | ppb |
| Vanadium | 51-2 | 44.51 | 43.78 | 44.32 | 44.20 | 0.86 | ppb |
| Yttrium | 89-1 | | | | 93 | | % |
| Yttrium | 89-2 | | | | 95 | | % |
| Zinc | 66-2 | 68.78 | 68.21 | 68.67 | 68.55 | 0.44 | ppb |
| Zirconium | 90-1 | 4.20 | 4.26 | 4.22 | 4.23 | 0.76 | ppb |
| Zirconium | 91-1 | 4.19 | 4.24 | 4.14 | 4.19 | 1.16 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-13DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:09:53 | DataFile Name : | 127SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 13308.02 | 13212.21 | 13128.32 | 13216.18 | 0.68 | ppb |
| Antimony | 121-1 | 0.48 | 0.48 | 0.52 | 0.49 | 5.41 | ppb |
| Arsenic | 75-2 | 31.96 | 33.00 | 32.31 | 32.42 | 1.64 | ppb |
| Barium | 135-1 | 135.62 | 136.80 | 140.69 | 137.70 | 1.93 | ppb |
| Barium | 137-1 | 134.49 | 140.65 | 141.42 | 138.85 | 2.74 | ppb |
| Beryllium | 9-1 | 0.44 | 0.44 | 0.46 | 0.45 | 1.92 | ppb |
| Bismuth | 209-1 | | | | 102 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.71 | 0.52 | 0.62 | 0.62 | 14.91 | ppb |
| Cadmium | 106-1 | -0.91 | -0.59 | -0.29 | -0.59 | | ppb |
| Cadmium | 111-1 | 0.35 | 0.50 | 0.47 | 0.44 | 17.78 | ppb |
| Calcium | 43-1 | 6039.08 | 6024.73 | 6261.54 | 6108.45 | 2.17 | ppb |
| Calcium | 44-1 | 5830.41 | 5888.33 | 5983.64 | 5900.79 | 1.31 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 28.98 | 28.94 | 29.12 | 29.01 | 0.34 | ppb |
| Cobalt | 59-2 | 13.51 | 13.45 | 13.46 | 13.47 | 0.24 | ppb |
| Copper | 63-2 | 80.44 | 79.76 | 79.70 | 79.97 | 0.51 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 99 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 94 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 25522.66 | 25422.09 | 25613.45 | 25519.40 | 0.38 | ppb |
| Iron | 57-2 | 25286.65 | 25506.25 | 25455.81 | 25416.24 | 0.45 | ppb |
| Iron | 54-2 | 25205.85 | 25486.48 | 25391.77 | 25361.36 | 0.56 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-13DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:09:53 | DataFile Name : | 127SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 18.58 | 18.44 | 18.75 | 18.59 | 0.83 | ppb |
| Lead | 207-1 | 17.96 | 18.69 | 18.38 | 18.34 | 2.00 | ppb |
| Lead | 208-1 | 17.99 | 18.39 | 18.73 | 18.37 | 2.01 | ppb |
| Lithium | 6-1 | | | | 98 | | % |
| Magnesium | 24-2 | 5922.98 | 5781.89 | 5818.88 | 5841.25 | 1.25 | ppb |
| Manganese | 55-2 | 846.69 | 836.31 | 837.71 | 840.24 | 0.67 | ppb |
| Molybdenum | 94-1 | 6.89 | 7.08 | 7.54 | 7.17 | 4.68 | ppb |
| Molybdenum | 95-1 | 0.39 | 0.37 | 0.35 | 0.37 | 5.55 | ppb |
| Molybdenum | 96-1 | 1.19 | 1.24 | 1.33 | 1.25 | 5.96 | ppb |
| Molybdenum | 97-1 | 0.31 | 0.32 | 0.39 | 0.34 | 13.26 | ppb |
| Molybdenum | 98-1 | 0.28 | 0.29 | 0.33 | 0.30 | 7.63 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 26.83 | 26.32 | 26.23 | 26.46 | 1.23 | ppb |
| Phosphorus | 31-2 | 580.83 | 529.21 | 569.97 | 560.00 | 4.86 | ppb |
| Potassium | 39-2 | 3028.00 | 3003.94 | 3028.23 | 3020.06 | 0.46 | ppb |
| Rhodium | 103-1 | | | | 92 | | % |
| Rhodium | 103-2 | | | | 94 | | % |
| Scandium | 45-1 | | | | 92 | | % |
| Scandium | 45-2 | | | | 90 | | % |
| Selenium | 82-1 | 0.10 | 0.11 | 1.13 | 0.45 | 132.48 | ppb |
| Selenium | 77-2 | 4.13 | 4.63 | 4.27 | 4.34 | 5.82 | ppb |
| Selenium | 78-2 | 1.32 | -0.80 | 0.80 | 0.44 | 249.62 | ppb |
| Silicon | 28-1 | 484.68 | 476.52 | 479.61 | 480.27 | 0.86 | ppb |
| Silver | 107-1 | 0.21 | 0.19 | 0.20 | 0.20 | 6.80 | ppb |
| Silver | 109-1 | 0.18 | 0.21 | 0.21 | 0.20 | 8.59 | ppb |
| Sodium | 23-2 | 76.38 | 73.02 | 77.35 | 75.58 | 3.00 | ppb |
| Strontium | 86-1 | 26.19 | 26.46 | 27.05 | 26.56 | 1.66 | ppb |
| Strontium | 88-1 | 26.05 | 26.54 | 27.45 | 26.68 | 2.66 | ppb |
| Sulfur | 34-1 | -2269.50 | -2316.55 | -2341.24 | -2309.10 | | ppb |
| Terbium | 159-1 | | | | 98 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | 0.11 | 0.09 | 0.10 | 0.10 | 7.22 | ppb |
| Thallium | 205-1 | 0.09 | 0.09 | 0.11 | 0.10 | 8.34 | ppb |
| Tin | 118-1 | 1.07 | 1.05 | 1.09 | 1.07 | 1.84 | ppb |
| Titanium | 47-1 | 271.07 | 267.90 | 276.01 | 271.66 | 1.50 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-13DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:09:53 | DataFile Name : | 127SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.24 | 0.26 | 0.25 | 0.25 | 3.78 | ppb |
| Vanadium | 51-2 | 46.09 | 45.69 | 45.83 | 45.87 | 0.44 | ppb |
| Yttrium | 89-1 | | | | 93 | | % |
| Yttrium | 89-2 | | | | 96 | | % |
| Zinc | 66-2 | 72.50 | 70.19 | 70.14 | 70.94 | 1.90 | ppb |
| Zirconium | 90-1 | 4.19 | 4.25 | 4.33 | 4.26 | 1.69 | ppb |
| Zirconium | 91-1 | 4.22 | 4.26 | 4.37 | 4.28 | 1.78 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 19:13:05 | DataFile Name : | 128SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2496.35 | 2471.17 | 2470.09 | 2479.20 | 0.60 | ppb |
| Antimony | 121-1 | 0.10 | 0.07 | 0.09 | 0.09 | 18.48 | ppb |
| Arsenic | 75-2 | 6.44 | 5.99 | 5.75 | 6.06 | 5.77 | ppb |
| Barium | 135-1 | 25.98 | 26.41 | 25.32 | 25.90 | 2.10 | ppb |
| Barium | 137-1 | 25.46 | 26.13 | 26.10 | 25.90 | 1.45 | ppb |
| Beryllium | 9-1 | 0.06 | 0.11 | 0.06 | 0.08 | 33.75 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.10 | 0.06 | 0.02 | 0.06 | 71.67 | ppb |
| Cadmium | 106-1 | -1.75 | -1.72 | -2.62 | -2.03 | | ppb |
| Cadmium | 111-1 | -0.04 | -0.06 | -0.08 | -0.06 | | ppb |
| Calcium | 43-1 | 1118.27 | 1119.49 | 1189.80 | 1142.52 | 3.58 | ppb |
| Calcium | 44-1 | 1113.21 | 1109.26 | 1141.19 | 1121.22 | 1.55 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 5.42 | 5.33 | 5.35 | 5.37 | 0.81 | ppb |
| Cobalt | 59-2 | 2.57 | 2.58 | 2.54 | 2.56 | 0.71 | ppb |
| Copper | 63-2 | 14.89 | 15.11 | 14.71 | 14.90 | 1.33 | 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 | | | | 98 | | % |
| Holmium | 165-2 | | | | 100 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 94 | | % |
| Iron | 56-2 | 4755.01 | 4773.09 | 4809.13 | 4779.08 | 0.58 | ppb |
| Iron | 57-2 | 4755.22 | 4784.48 | 4730.44 | 4756.71 | 0.57 | ppb |
| Iron | 54-2 | 4844.11 | 4839.29 | 4791.94 | 4825.12 | 0.60 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 19:13:05 | DataFile Name : | 128SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 3.46 | 3.37 | 3.37 | 3.40 | 1.48 | ppb |
| Lead | 207-1 | 3.23 | 3.31 | 3.34 | 3.30 | 1.69 | ppb |
| Lead | 208-1 | 3.33 | 3.28 | 3.33 | 3.31 | 0.84 | ppb |
| Lithium | 6-1 | | | | 97 | | % |
| Magnesium | 24-2 | 1104.65 | 1093.88 | 1095.17 | 1097.90 | 0.54 | ppb |
| Manganese | 55-2 | 160.68 | 161.80 | 158.62 | 160.37 | 1.01 | ppb |
| Molybdenum | 94-1 | 1.40 | 1.35 | 1.35 | 1.37 | 2.19 | ppb |
| Molybdenum | 95-1 | 0.07 | 0.06 | 0.05 | 0.06 | 14.12 | ppb |
| Molybdenum | 96-1 | 0.24 | 0.22 | 0.24 | 0.24 | 5.39 | ppb |
| Molybdenum | 97-1 | 0.06 | 0.06 | 0.08 | 0.07 | 17.69 | ppb |
| Molybdenum | 98-1 | 0.05 | 0.05 | 0.05 | 0.05 | 4.52 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 5.08 | 5.10 | 4.95 | 5.04 | 1.59 | ppb |
| Phosphorus | 31-2 | 94.86 | 75.49 | 86.44 | 85.60 | 11.35 | ppb |
| Potassium | 39-2 | 556.64 | 562.55 | 549.01 | 556.07 | 1.22 | ppb |
| Rhodium | 103-1 | | | | 93 | | % |
| Rhodium | 103-2 | | | | 94 | | % |
| Scandium | 45-1 | | | | 91 | | % |
| Scandium | 45-2 | | | | 87 | | % |
| Selenium | 82-1 | -0.42 | 0.70 | 1.54 | 0.60 | 162.83 | ppb |
| Selenium | 77-2 | 1.20 | 0.02 | 1.94 | 1.05 | 91.84 | ppb |
| Selenium | 78-2 | -0.33 | -2.29 | -0.91 | -1.18 | | ppb |
| Silicon | 28-1 | 96.13 | 97.42 | 100.18 | 97.91 | 2.11 | ppb |
| Silver | 107-1 | 0.04 | 0.04 | 0.04 | 0.04 | 6.51 | ppb |
| Silver | 109-1 | 0.03 | 0.04 | 0.03 | 0.03 | 16.23 | ppb |
| Sodium | 23-2 | 14.93 | 15.00 | 15.98 | 15.30 | 3.85 | ppb |
| Strontium | 86-1 | 4.74 | 4.87 | 5.01 | 4.87 | 2.70 | ppb |
| Strontium | 88-1 | 4.87 | 4.99 | 5.03 | 4.97 | 1.67 | ppb |
| Sulfur | 34-1 | -2210.44 | -2359.39 | -2256.20 | -2275.35 | | ppb |
| Terbium | 159-1 | | | | 97 | | % |
| Terbium | 159-2 | | | | 97 | | % |
| Thallium | 203-1 | 0.03 | 0.03 | 0.02 | 0.02 | 6.36 | ppb |
| Thallium | 205-1 | 0.02 | 0.02 | 0.02 | 0.02 | 6.46 | ppb |
| Tin | 118-1 | 0.87 | 0.86 | 0.85 | 0.86 | 1.10 | ppb |
| Titanium | 47-1 | 49.52 | 49.69 | 51.08 | 50.10 | 1.70 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 19:13:05 | DataFile Name : | 128SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.04 | 0.04 | 0.04 | 0.04 | 4.17 | ppb |
| Vanadium | 51-2 | 8.87 | 8.63 | 8.42 | 8.64 | 2.65 | ppb |
| Yttrium | 89-1 | | | | 92 | | % |
| Yttrium | 89-2 | | | | 95 | | % |
| Zinc | 66-2 | 14.88 | 13.92 | 14.89 | 14.56 | 3.81 | ppb |
| Zirconium | 90-1 | 0.78 | 0.83 | 0.81 | 0.81 | 3.07 | ppb |
| Zirconium | 91-1 | 0.81 | 0.84 | 0.80 | 0.82 | 2.41 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-14DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:16:21 | DataFile Name : | 129SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 13084.16 | 13116.40 | 12949.50 | 13050.02 | 0.68 | ppb |
| Antimony | 121-1 | 16.12 | 16.33 | 16.58 | 16.35 | 1.40 | ppb |
| Arsenic | 75-2 | 38.63 | 37.26 | 38.71 | 38.20 | 2.13 | ppb |
| Barium | 135-1 | 433.99 | 433.78 | 439.01 | 435.59 | 0.68 | ppb |
| Barium | 137-1 | 433.85 | 435.19 | 441.45 | 436.83 | 0.93 | ppb |
| Beryllium | 9-1 | 8.68 | 9.06 | 8.71 | 8.82 | 2.37 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 8.79 | 8.59 | 8.67 | 8.68 | 1.14 | ppb |
| Cadmium | 106-1 | 7.18 | 6.46 | 5.93 | 6.53 | 9.61 | ppb |
| Cadmium | 111-1 | 8.76 | 8.79 | 9.17 | 8.91 | 2.59 | ppb |
| Calcium | 43-1 | 5546.07 | 5839.68 | 5733.24 | 5706.33 | 2.60 | ppb |
| Calcium | 44-1 | 5665.90 | 5877.43 | 5838.61 | 5793.98 | 1.94 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 61.69 | 62.05 | 61.57 | 61.77 | 0.40 | ppb |
| Cobalt | 59-2 | 96.83 | 97.57 | 96.41 | 96.94 | 0.60 | ppb |
| Copper | 63-2 | 116.92 | 116.67 | 114.73 | 116.11 | 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 | | | | 98 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 95 | | % |
| Iron | 56-2 | 24411.14 | 24441.70 | 24458.93 | 24437.26 | 0.10 | ppb |
| Iron | 57-2 | 24403.69 | 24449.38 | 24297.23 | 24383.43 | 0.32 | ppb |
| Iron | 54-2 | 24440.59 | 24527.91 | 24630.65 | 24533.05 | 0.39 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-14DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:16:21 | DataFile Name : | 129SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 19.92 | 19.66 | 20.36 | 19.98 | 1.77 | ppb |
| Lead | 207-1 | 19.69 | 19.54 | 19.51 | 19.58 | 0.49 | ppb |
| Lead | 208-1 | 19.58 | 19.29 | 19.66 | 19.51 | 0.97 | ppb |
| Lithium | 6-1 | | | | 100 | | % |
| Magnesium | 24-2 | 5559.34 | 5516.70 | 5461.01 | 5512.35 | 0.89 | ppb |
| Manganese | 55-2 | 901.05 | 918.62 | 918.77 | 912.82 | 1.12 | ppb |
| Molybdenum | 94-1 | 6.78 | 7.18 | 7.06 | 7.01 | 2.89 | ppb |
| Molybdenum | 95-1 | 0.34 | 0.32 | 0.29 | 0.32 | 7.63 | ppb |
| Molybdenum | 96-1 | 1.12 | 1.18 | 1.15 | 1.15 | 2.60 | ppb |
| Molybdenum | 97-1 | 0.34 | 0.34 | 0.29 | 0.32 | 8.19 | ppb |
| Molybdenum | 98-1 | 0.27 | 0.31 | 0.33 | 0.30 | 9.05 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 112.14 | 112.77 | 113.52 | 112.81 | 0.61 | ppb |
| Phosphorus | 31-2 | 543.33 | 533.11 | 526.52 | 534.32 | 1.59 | ppb |
| Potassium | 39-2 | 2848.06 | 2867.46 | 2839.65 | 2851.72 | 0.50 | ppb |
| Rhodium | 103-1 | | | | 93 | | % |
| Rhodium | 103-2 | | | | 94 | | % |
| Scandium | 45-1 | | | | 92 | | % |
| Scandium | 45-2 | | | | 89 | | % |
| Selenium | 82-1 | 18.04 | 18.56 | 18.92 | 18.50 | 2.39 | ppb |
| Selenium | 77-2 | 23.20 | 19.86 | 21.98 | 21.68 | 7.80 | ppb |
| Selenium | 78-2 | 16.89 | 18.50 | 21.93 | 19.10 | 13.48 | ppb |
| Silicon | 28-1 | 490.45 | 501.48 | 501.85 | 497.93 | 1.30 | ppb |
| Silver | 107-1 | 6.91 | 7.10 | 7.25 | 7.09 | 2.40 | ppb |
| Silver | 109-1 | 7.10 | 7.05 | 7.17 | 7.11 | 0.84 | ppb |
| Sodium | 23-2 | 69.91 | 70.83 | 69.16 | 69.97 | 1.20 | ppb |
| Strontium | 86-1 | 24.83 | 25.15 | 25.27 | 25.08 | 0.89 | ppb |
| Strontium | 88-1 | 25.08 | 25.57 | 25.45 | 25.36 | 1.01 | ppb |
| Sulfur | 34-1 | -2214.76 | -2317.54 | -2402.01 | -2311.44 | | ppb |
| Terbium | 159-1 | | | | 99 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | 7.23 | 7.10 | 7.16 | 7.17 | 0.87 | ppb |
| Thallium | 205-1 | 7.23 | 7.10 | 7.20 | 7.18 | 0.96 | ppb |
| Tin | 118-1 | 1.09 | 1.08 | 1.10 | 1.09 | 1.01 | ppb |
| Titanium | 47-1 | 255.83 | 265.12 | 259.92 | 260.29 | 1.79 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-14DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:16:21 | DataFile Name : | 129SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.22 | 0.24 | 0.23 | 0.23 | 3.16 | ppb |
| Vanadium | 51-2 | 127.03 | 127.67 | 127.12 | 127.27 | 0.27 | ppb |
| Yttrium | 89-1 | | | | 93 | | % |
| Yttrium | 89-2 | | | | 96 | | % |
| Zinc | 66-2 | 148.31 | 149.63 | 152.53 | 150.16 | 1.44 | ppb |
| Zirconium | 90-1 | 4.05 | 4.21 | 4.25 | 4.17 | 2.56 | ppb |
| Zirconium | 91-1 | 4.05 | 4.14 | 4.29 | 4.16 | 2.95 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:19:35 | DataFile Name : | 130SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 13728.36 | 13938.64 | 13825.98 | 13830.99 | 0.76 | ppb |
| Antimony | 121-1 | 69.03 | 72.30 | 72.50 | 71.28 | 2.73 | ppb |
| Arsenic | 75-2 | 61.88 | 61.32 | 58.39 | 60.53 | 3.09 | ppb |
| Barium | 135-1 | 1519.01 | 1564.54 | 1601.22 | 1561.59 | 2.64 | ppb |
| Barium | 137-1 | 1521.49 | 1589.81 | 1580.48 | 1563.92 | 2.37 | ppb |
| Beryllium | 9-1 | 35.24 | 36.40 | 37.41 | 36.35 | 2.98 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 33.96 | 34.34 | 37.12 | 35.14 | 4.91 | ppb |
| Cadmium | 106-1 | 31.87 | 31.50 | 33.28 | 32.22 | 2.92 | ppb |
| Cadmium | 111-1 | 36.15 | 38.59 | 37.97 | 37.57 | 3.37 | ppb |
| Calcium | 43-1 | 5426.86 | 5719.17 | 5709.70 | 5618.58 | 2.96 | ppb |
| Calcium | 44-1 | 5442.32 | 5764.20 | 5801.79 | 5669.44 | 3.49 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 173.99 | 173.50 | 175.24 | 174.24 | 0.52 | ppb |
| Cobalt | 59-2 | 374.20 | 374.22 | 377.07 | 375.16 | 0.44 | ppb |
| Copper | 63-2 | 245.72 | 244.59 | 247.86 | 246.05 | 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 | | | | 100 | | % |
| Holmium | 165-2 | | | | 102 | | % |
| Indium | 115-1 | | | | 96 | | % |
| Indium | 115-2 | | | | 95 | | % |
| Iron | 56-2 | 24812.09 | 24728.98 | 24869.66 | 24803.57 | 0.29 | ppb |
| Iron | 57-2 | 24681.27 | 24633.60 | 24801.28 | 24705.38 | 0.35 | ppb |
| Iron | 54-2 | 24834.72 | 24623.17 | 25036.91 | 24831.60 | 0.83 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:19:35 | DataFile Name : | 130SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 29.07 | 30.17 | 30.37 | 29.87 | 2.34 | ppb |
| Lead | 207-1 | 28.08 | 28.91 | 29.49 | 28.83 | 2.46 | ppb |
| Lead | 208-1 | 28.18 | 29.48 | 29.81 | 29.16 | 2.95 | ppb |
| Lithium | 6-1 | | | | 101 | | % |
| Magnesium | 24-2 | 5446.28 | 5409.45 | 5463.64 | 5439.79 | 0.51 | ppb |
| Manganese | 55-2 | 1163.30 | 1156.64 | 1181.15 | 1167.03 | 1.09 | ppb |
| Molybdenum | 94-1 | 6.49 | 7.06 | 7.07 | 6.87 | 4.78 | ppb |
| Molybdenum | 95-1 | 0.37 | 0.32 | 0.34 | 0.34 | 7.47 | ppb |
| Molybdenum | 96-1 | 1.06 | 1.10 | 1.15 | 1.11 | 3.87 | ppb |
| Molybdenum | 97-1 | 0.29 | 0.33 | 0.29 | 0.30 | 7.82 | ppb |
| Molybdenum | 98-1 | 0.31 | 0.32 | 0.31 | 0.31 | 1.88 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 403.75 | 398.73 | 404.56 | 402.34 | 0.79 | ppb |
| Phosphorus | 31-2 | 501.42 | 502.53 | 528.02 | 510.66 | 2.95 | ppb |
| Potassium | 39-2 | 2813.87 | 2805.48 | 2833.09 | 2817.48 | 0.50 | ppb |
| Rhodium | 103-1 | | | | 94 | | % |
| Rhodium | 103-2 | | | | 93 | | % |
| Scandium | 45-1 | | | | 93 | | % |
| Scandium | 45-2 | | | | 89 | | % |
| Selenium | 82-1 | 79.44 | 80.35 | 84.42 | 81.40 | 3.26 | ppb |
| Selenium | 77-2 | 95.49 | 87.39 | 87.47 | 90.12 | 5.17 | ppb |
| Selenium | 78-2 | 86.98 | 80.48 | 85.38 | 84.28 | 4.01 | ppb |
| Silicon | 28-1 | 461.17 | 482.93 | 478.25 | 474.12 | 2.42 | ppb |
| Silver | 107-1 | 26.55 | 23.45 | 26.81 | 25.60 | 7.31 | ppb |
| Silver | 109-1 | 26.79 | 24.70 | 23.93 | 25.14 | 5.88 | ppb |
| Sodium | 23-2 | 67.02 | 69.89 | 70.31 | 69.08 | 2.59 | ppb |
| Strontium | 86-1 | 23.13 | 24.03 | 24.76 | 23.98 | 3.40 | ppb |
| Strontium | 88-1 | 23.75 | 24.97 | 24.98 | 24.57 | 2.87 | ppb |
| Sulfur | 34-1 | -2376.01 | -2319.12 | -2304.28 | -2333.14 | | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | 30.01 | 31.49 | 32.39 | 31.30 | 3.83 | ppb |
| Thallium | 205-1 | 30.62 | 32.04 | 32.24 | 31.63 | 2.80 | ppb |
| Tin | 118-1 | 1.02 | 1.09 | 1.07 | 1.06 | 3.25 | ppb |
| Titanium | 47-1 | 243.89 | 256.21 | 258.36 | 252.82 | 3.09 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:19:35 | DataFile Name : | 130SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.21 | 0.21 | 0.21 | 0.21 | 2.16 | ppb |
| Vanadium | 51-2 | 404.74 | 401.91 | 404.09 | 403.58 | 0.37 | ppb |
| Yttrium | 89-1 | | | | 94 | | % |
| Yttrium | 89-2 | | | | 95 | | % |
| Zinc | 66-2 | 420.92 | 420.42 | 425.04 | 422.13 | 0.60 | ppb |
| Zirconium | 90-1 | 3.85 | 4.07 | 4.17 | 4.03 | 4.05 | ppb |
| Zirconium | 91-1 | 3.79 | 4.16 | 4.16 | 4.04 | 5.28 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:22:44 | DataFile Name : | 131SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 13387.27 | 13269.92 | 13507.26 | 13388.15 | 0.89 | ppb |
| Antimony | 121-1 | 0.54 | 0.52 | 0.54 | 0.53 | 1.95 | ppb |
| Arsenic | 75-2 | 26.88 | 28.01 | 26.64 | 27.18 | 2.69 | ppb |
| Barium | 135-1 | 149.18 | 150.76 | 152.81 | 150.91 | 1.20 | ppb |
| Barium | 137-1 | 148.53 | 148.47 | 152.06 | 149.69 | 1.38 | ppb |
| Beryllium | 9-1 | 0.45 | 0.51 | 0.32 | 0.43 | 22.52 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.57 | 0.33 | 0.34 | 0.41 | 32.94 | ppb |
| Cadmium | 106-1 | -0.82 | -0.57 | 0.18 | -0.40 | | ppb |
| Cadmium | 111-1 | 0.16 | 0.15 | 0.22 | 0.18 | 21.65 | ppb |
| Calcium | 43-1 | 7108.23 | 7390.33 | 7389.04 | 7295.86 | 2.23 | ppb |
| Calcium | 44-1 | 6939.33 | 7019.01 | 7019.70 | 6992.68 | 0.66 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 25.01 | 24.86 | 24.86 | 24.91 | 0.35 | ppb |
| Cobalt | 59-2 | 12.12 | 12.35 | 12.12 | 12.20 | 1.10 | ppb |
| Copper | 63-2 | 46.81 | 46.26 | 46.32 | 46.46 | 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 | | | | 99 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 94 | | % |
| Iron | 56-2 | 25388.02 | 25456.88 | 25196.14 | 25347.01 | 0.53 | ppb |
| Iron | 57-2 | 25426.25 | 25415.44 | 25380.16 | 25407.29 | 0.09 | ppb |
| Iron | 54-2 | 25170.96 | 25619.97 | 25381.75 | 25390.89 | 0.88 | ppb |
| Krypton | 83-1 | | | | | | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:22:44 | DataFile Name : | 131SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 9.99 | 10.14 | 9.53 | 9.89 | 3.22 | ppb |
| Lead | 207-1 | 9.71 | 9.75 | 9.16 | 9.54 | 3.47 | ppb |
| Lead | 208-1 | 9.87 | 9.69 | 9.38 | 9.65 | 2.61 | ppb |
| Lithium | 6-1 | | | | 99 | | % |
| Magnesium | 24-2 | 5962.36 | 5944.20 | 5981.32 | 5962.63 | 0.31 | ppb |
| Manganese | 55-2 | 511.80 | 515.19 | 520.74 | 515.91 | 0.87 | ppb |
| Molybdenum | 94-1 | 7.96 | 8.17 | 7.81 | 7.98 | 2.24 | ppb |
| Molybdenum | 95-1 | 0.32 | 0.26 | 0.27 | 0.28 | 11.01 | ppb |
| Molybdenum | 96-1 | 1.16 | 1.25 | 1.19 | 1.20 | 3.54 | ppb |
| Molybdenum | 97-1 | 0.25 | 0.31 | 0.26 | 0.27 | 11.91 | ppb |
| Molybdenum | 98-1 | 0.28 | 0.26 | 0.24 | 0.26 | 7.15 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 28.24 | 28.01 | 28.39 | 28.21 | 0.68 | ppb |
| Phosphorus | 31-2 | 647.36 | 661.61 | 688.51 | 665.83 | 3.14 | ppb |
| Potassium | 39-2 | 2675.38 | 2682.13 | 2698.57 | 2685.36 | 0.44 | ppb |
| Rhodium | 103-1 | | | | 93 | | % |
| Rhodium | 103-2 | | | | 94 | | % |
| Scandium | 45-1 | | | | 92 | | % |
| Scandium | 45-2 | | | | 89 | | % |
| Selenium | 82-1 | 0.98 | -0.16 | 0.69 | 0.50 | 118.60 | ppb |
| Selenium | 77-2 | 5.08 | 4.34 | 4.24 | 4.55 | 10.05 | ppb |
| Selenium | 78-2 | 0.75 | -0.08 | 1.28 | 0.65 | 105.83 | ppb |
| Silicon | 28-1 | 364.61 | 381.27 | 361.89 | 369.25 | 2.84 | ppb |
| Silver | 107-1 | 0.13 | 0.11 | 0.08 | 0.11 | 21.07 | ppb |
| Silver | 109-1 | 0.13 | 0.10 | 0.10 | 0.11 | 17.99 | ppb |
| Sodium | 23-2 | 111.51 | 111.81 | 113.69 | 112.33 | 1.05 | ppb |
| Strontium | 86-1 | 58.40 | 60.53 | 57.27 | 58.73 | 2.82 | ppb |
| Strontium | 88-1 | 59.85 | 60.20 | 58.01 | 59.35 | 1.98 | ppb |
| Sulfur | 34-1 | -2307.49 | -2200.34 | -2234.08 | -2247.30 | | ppb |
| Terbium | 159-1 | | | | 97 | | % |
| Terbium | 159-2 | | | | 98 | | % |
| Thallium | 203-1 | 0.07 | 0.08 | 0.08 | 0.08 | 9.94 | ppb |
| Thallium | 205-1 | 0.07 | 0.07 | 0.07 | 0.07 | 4.59 | ppb |
| Tin | 118-1 | 1.19 | 1.23 | 1.17 | 1.19 | 2.56 | ppb |
| Titanium | 47-1 | 268.33 | 279.03 | 270.15 | 272.50 | 2.10 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:22:44 | DataFile Name : | 131SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.26 | 0.24 | 0.23 | 0.25 | 5.25 | ppb |
| Vanadium | 51-2 | 46.89 | 47.31 | 46.69 | 46.96 | 0.68 | ppb |
| Yttrium | 89-1 | | | | 93 | | % |
| Yttrium | 89-2 | | | | 95 | | % |
| Zinc | 66-2 | 53.53 | 52.92 | 51.66 | 52.70 | 1.81 | ppb |
| Zirconium | 90-1 | 4.69 | 4.79 | 4.55 | 4.67 | 2.54 | ppb |
| Zirconium | 91-1 | 4.77 | 4.77 | 4.63 | 4.72 | 1.75 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-06DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:25:58 | DataFile Name : | 132SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 13953.88 | 14339.48 | 13906.86 | 14066.74 | 1.69 | ppb |
| Antimony | 121-1 | 0.50 | 0.51 | 0.56 | 0.52 | 6.37 | ppb |
| Arsenic | 75-2 | 28.83 | 27.16 | 28.11 | 28.04 | 2.99 | ppb |
| Barium | 135-1 | 150.33 | 152.69 | 168.33 | 157.11 | 6.22 | ppb |
| Barium | 137-1 | 153.87 | 156.68 | 162.23 | 157.59 | 2.70 | ppb |
| Beryllium | 9-1 | 0.48 | 0.29 | 0.38 | 0.38 | 24.76 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.05 | 0.58 | 0.59 | 0.41 | 76.20 | ppb |
| Cadmium | 106-1 | -0.78 | -0.83 | -0.79 | -0.80 | | ppb |
| Cadmium | 111-1 | 0.17 | 0.14 | 0.16 | 0.16 | 9.00 | ppb |
| Calcium | 43-1 | 7368.34 | 7538.74 | 7554.69 | 7487.26 | 1.38 | ppb |
| Calcium | 44-1 | 7146.11 | 7372.06 | 7324.73 | 7280.97 | 1.64 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 26.69 | 26.78 | 26.33 | 26.60 | 0.89 | ppb |
| Cobalt | 59-2 | 12.41 | 12.87 | 12.35 | 12.55 | 2.27 | ppb |
| Copper | 63-2 | 48.69 | 49.31 | 47.93 | 48.65 | 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 | | | | 99 | | % |
| Holmium | 165-2 | | | | 100 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 94 | | % |
| Iron | 56-2 | 26887.75 | 26964.89 | 26564.44 | 26805.69 | 0.79 | ppb |
| Iron | 57-2 | 26665.80 | 26259.57 | 25909.64 | 26278.34 | 1.44 | ppb |
| Iron | 54-2 | 26738.65 | 26610.02 | 26844.74 | 26731.14 | 0.44 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-06DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:25:58 | DataFile Name : | 132SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 10.15 | 10.56 | 10.99 | 10.57 | 3.99 | ppb |
| Lead | 207-1 | 9.89 | 10.29 | 10.38 | 10.19 | 2.54 | ppb |
| Lead | 208-1 | 9.94 | 10.17 | 10.42 | 10.18 | 2.36 | ppb |
| Lithium | 6-1 | | | | 97 | | % |
| Magnesium | 24-2 | 6305.74 | 6293.10 | 6241.09 | 6279.97 | 0.55 | ppb |
| Manganese | 55-2 | 542.10 | 542.20 | 535.68 | 540.00 | 0.69 | ppb |
| Molybdenum | 94-1 | 8.18 | 8.39 | 8.39 | 8.32 | 1.47 | ppb |
| Molybdenum | 95-1 | 0.27 | 0.30 | 0.31 | 0.29 | 6.03 | ppb |
| Molybdenum | 96-1 | 1.32 | 1.37 | 1.38 | 1.35 | 2.52 | ppb |
| Molybdenum | 97-1 | 0.24 | 0.29 | 0.26 | 0.26 | 10.73 | ppb |
| Molybdenum | 98-1 | 0.26 | 0.28 | 0.28 | 0.27 | 3.92 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 29.46 | 30.27 | 29.20 | 29.64 | 1.88 | ppb |
| Phosphorus | 31-2 | 693.93 | 703.65 | 683.59 | 693.72 | 1.45 | ppb |
| Potassium | 39-2 | 2826.81 | 2875.07 | 2840.29 | 2847.39 | 0.87 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 93 | | % |
| Scandium | 45-2 | | | | 89 | | % |
| Selenium | 82-1 | 1.69 | 1.50 | 0.84 | 1.34 | 33.02 | ppb |
| Selenium | 77-2 | 4.63 | 3.03 | 2.31 | 3.32 | 35.75 | ppb |
| Selenium | 78-2 | 3.51 | 1.51 | 0.77 | 1.93 | 73.22 | ppb |
| Silicon | 28-1 | 370.13 | 371.89 | 369.63 | 370.55 | 0.32 | ppb |
| Silver | 107-1 | 0.07 | 0.08 | 0.08 | 0.08 | 3.84 | ppb |
| Silver | 109-1 | 0.08 | 0.08 | 0.08 | 0.08 | 1.30 | ppb |
| Sodium | 23-2 | 114.16 | 114.74 | 115.15 | 114.68 | 0.43 | ppb |
| Strontium | 86-1 | 62.11 | 63.30 | 63.41 | 62.94 | 1.15 | ppb |
| Strontium | 88-1 | 61.61 | 62.92 | 63.17 | 62.57 | 1.33 | ppb |
| Sulfur | 34-1 | -2142.39 | -2144.57 | -2194.57 | -2160.51 | | ppb |
| Terbium | 159-1 | | | | 99 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | 0.07 | 0.07 | 0.07 | 0.07 | 5.84 | ppb |
| Thallium | 205-1 | 0.06 | 0.06 | 0.06 | 0.06 | 3.53 | ppb |
| Tin | 118-1 | 1.15 | 1.16 | 1.33 | 1.21 | 8.10 | ppb |
| Titanium | 47-1 | 286.00 | 289.98 | 291.57 | 289.18 | 0.99 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-06DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:25:58 | DataFile Name : | 132SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.25 | 0.25 | 0.26 | 0.25 | 3.74 | ppb |
| Vanadium | 51-2 | 50.07 | 50.54 | 50.09 | 50.23 | 0.54 | ppb |
| Yttrium | 89-1 | | | | 93 | | % |
| Yttrium | 89-2 | | | | 97 | | % |
| Zinc | 66-2 | 55.22 | 54.80 | 54.62 | 54.88 | 0.56 | ppb |
| Zirconium | 90-1 | 5.01 | 5.04 | 5.17 | 5.07 | 1.74 | ppb |
| Zirconium | 91-1 | 4.94 | 5.03 | 5.08 | 5.02 | 1.42 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 19:29:09 | DataFile Name : | 133SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2765.08 | 2694.27 | 2707.03 | 2722.13 | 1.39 | ppb |
| Antimony | 121-1 | 0.09 | 0.10 | 0.10 | 0.10 | 6.36 | ppb |
| Arsenic | 75-2 | 5.45 | 5.39 | 4.96 | 5.27 | 5.08 | ppb |
| Barium | 135-1 | 29.75 | 29.84 | 30.07 | 29.89 | 0.56 | ppb |
| Barium | 137-1 | 29.46 | 29.77 | 30.04 | 29.76 | 0.97 | ppb |
| Beryllium | 9-1 | 0.06 | 0.05 | 0.08 | 0.06 | 18.62 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.10 | 0.18 | -0.06 | 0.00 | 4096.80 | ppb |
| Cadmium | 106-1 | -0.53 | -2.30 | -2.62 | -1.82 | | ppb |
| Cadmium | 111-1 | 0.03 | -0.14 | -0.15 | -0.09 | | ppb |
| Calcium | 43-1 | 1429.75 | 1523.81 | 1470.18 | 1474.58 | 3.20 | ppb |
| Calcium | 44-1 | 1417.22 | 1456.18 | 1482.20 | 1451.86 | 2.25 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 5.32 | 5.24 | 5.24 | 5.26 | 0.84 | ppb |
| Cobalt | 59-2 | 2.41 | 2.36 | 2.33 | 2.37 | 1.73 | ppb |
| Copper | 63-2 | 9.70 | 9.22 | 9.51 | 9.48 | 2.54 | 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 | | | | 98 | | % |
| Holmium | 165-2 | | | | 98 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 94 | | % |
| Iron | 56-2 | 5273.95 | 5189.18 | 5146.17 | 5203.10 | 1.25 | ppb |
| Iron | 57-2 | 5316.91 | 5171.45 | 5155.33 | 5214.57 | 1.71 | ppb |
| Iron | 54-2 | 5361.01 | 5250.13 | 5229.36 | 5280.17 | 1.34 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 19:29:09 | DataFile Name : | 133SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2.05 | 2.02 | 2.08 | 2.05 | 1.66 | ppb |
| Lead | 207-1 | 1.86 | 1.91 | 1.93 | 1.90 | 1.89 | ppb |
| Lead | 208-1 | 1.93 | 1.92 | 2.00 | 1.95 | 2.23 | ppb |
| Lithium | 6-1 | | | | 97 | | % |
| Magnesium | 24-2 | 1250.72 | 1210.01 | 1218.67 | 1226.46 | 1.75 | ppb |
| Manganese | 55-2 | 107.19 | 104.44 | 105.29 | 105.64 | 1.33 | ppb |
| Molybdenum | 94-1 | 1.48 | 1.63 | 1.63 | 1.58 | 5.46 | ppb |
| Molybdenum | 95-1 | 0.06 | 0.04 | 0.06 | 0.05 | 15.63 | ppb |
| Molybdenum | 96-1 | 0.24 | 0.23 | 0.26 | 0.24 | 7.08 | ppb |
| Molybdenum | 97-1 | 0.03 | 0.05 | 0.06 | 0.05 | 26.95 | ppb |
| Molybdenum | 98-1 | 0.05 | 0.05 | 0.05 | 0.05 | 8.01 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 5.85 | 5.92 | 5.41 | 5.72 | 4.83 | ppb |
| Phosphorus | 31-2 | 128.40 | 112.28 | 126.41 | 122.36 | 7.18 | ppb |
| Potassium | 39-2 | 551.20 | 538.36 | 544.18 | 544.58 | 1.18 | ppb |
| Rhodium | 103-1 | | | | 92 | | % |
| Rhodium | 103-2 | | | | 93 | | % |
| Scandium | 45-1 | | | | 92 | | % |
| Scandium | 45-2 | | | | 87 | | % |
| Selenium | 82-1 | 1.37 | 0.22 | 0.46 | 0.68 | 89.27 | ppb |
| Selenium | 77-2 | 2.02 | 0.42 | 1.59 | 1.34 | 61.74 | ppb |
| Selenium | 78-2 | -0.02 | -1.36 | -0.69 | -0.69 | | ppb |
| Silicon | 28-1 | 68.88 | 73.06 | 73.68 | 71.87 | 3.63 | ppb |
| Silver | 107-1 | 0.01 | 0.01 | 0.02 | 0.02 | 14.39 | ppb |
| Silver | 109-1 | 0.02 | 0.01 | 0.02 | 0.02 | 22.99 | ppb |
| Sodium | 23-2 | 23.40 | 19.28 | 21.58 | 21.42 | 9.63 | ppb |
| Strontium | 86-1 | 11.52 | 11.67 | 11.75 | 11.65 | 1.00 | ppb |
| Strontium | 88-1 | 11.77 | 11.97 | 12.06 | 11.94 | 1.22 | ppb |
| Sulfur | 34-1 | -2306.18 | -2167.16 | -2275.96 | -2249.77 | | ppb |
| Terbium | 159-1 | | | | 97 | | % |
| Terbium | 159-2 | | | | 96 | | % |
| Thallium | 203-1 | 0.02 | 0.01 | 0.01 | 0.01 | 32.44 | ppb |
| Thallium | 205-1 | 0.01 | 0.01 | 0.01 | 0.01 | 7.18 | ppb |
| Tin | 118-1 | 0.84 | 0.86 | 0.89 | 0.86 | 3.38 | ppb |
| Titanium | 47-1 | 52.64 | 55.22 | 55.02 | 54.29 | 2.65 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 19:29:09 | DataFile Name : | 133SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.05 | 0.05 | 0.05 | 0.05 | 3.56 | ppb |
| Vanadium | 51-2 | 9.66 | 9.41 | 9.52 | 9.53 | 1.33 | ppb |
| Yttrium | 89-1 | | | | 92 | | % |
| Yttrium | 89-2 | | | | 93 | | % |
| Zinc | 66-2 | 11.62 | 11.86 | 11.13 | 11.53 | 3.21 | ppb |
| Zirconium | 90-1 | 0.93 | 0.94 | 0.95 | 0.94 | 0.97 | ppb |
| Zirconium | 91-1 | 0.97 | 0.93 | 0.96 | 0.95 | 2.35 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-07DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:32:27 | DataFile Name : | 134SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 13939.12 | 13869.65 | 13922.74 | 13910.50 | 0.26 | ppb |
| Antimony | 121-1 | 16.98 | 16.68 | 17.77 | 17.14 | 3.26 | ppb |
| Arsenic | 75-2 | 33.12 | 34.54 | 32.99 | 33.55 | 2.55 | ppb |
| Barium | 135-1 | 462.13 | 461.33 | 495.73 | 473.06 | 4.15 | ppb |
| Barium | 137-1 | 459.97 | 472.44 | 505.86 | 479.42 | 4.95 | ppb |
| Beryllium | 9-1 | 8.55 | 10.00 | 9.67 | 9.41 | 8.08 | ppb |
| Bismuth | 209-1 | | | | 103 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 7.49 | 8.52 | 8.58 | 8.19 | 7.47 | ppb |
| Cadmium | 106-1 | 5.83 | 6.50 | 6.21 | 6.18 | 5.43 | ppb |
| Cadmium | 111-1 | 8.71 | 8.65 | 8.98 | 8.78 | 2.03 | ppb |
| Calcium | 43-1 | 7377.27 | 7294.11 | 7857.23 | 7509.54 | 4.05 | ppb |
| Calcium | 44-1 | 7054.15 | 6964.64 | 7443.21 | 7154.00 | 3.56 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 60.51 | 61.39 | 60.97 | 60.96 | 0.72 | ppb |
| Cobalt | 59-2 | 98.90 | 100.02 | 100.22 | 99.71 | 0.71 | ppb |
| Copper | 63-2 | 87.21 | 88.05 | 87.93 | 87.73 | 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 | | | | 95 | | % |
| Holmium | 165-2 | | | | 102 | | % |
| Indium | 115-1 | | | | 93 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 25556.28 | 25724.78 | 25825.14 | 25702.06 | 0.53 | ppb |
| Iron | 57-2 | 25656.75 | 25801.25 | 25935.06 | 25797.69 | 0.54 | ppb |
| Iron | 54-2 | 25842.14 | 26111.18 | 26181.75 | 26045.02 | 0.69 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-07DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:32:27 | DataFile Name : | 134SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 12.35 | 12.95 | 13.68 | 12.99 | 5.15 | ppb |
| Lead | 207-1 | 11.81 | 12.69 | 13.58 | 12.69 | 6.99 | ppb |
| Lead | 208-1 | 12.25 | 12.81 | 13.46 | 12.84 | 4.71 | ppb |
| Lithium | 6-1 | | | | 96 | | % |
| Magnesium | 24-2 | 5924.12 | 6026.29 | 6034.52 | 5994.98 | 1.03 | ppb |
| Manganese | 55-2 | 604.02 | 605.76 | 605.50 | 605.09 | 0.15 | ppb |
| Molybdenum | 94-1 | 7.87 | 7.78 | 8.61 | 8.09 | 5.60 | ppb |
| Molybdenum | 95-1 | 0.22 | 0.26 | 0.27 | 0.25 | 9.63 | ppb |
| Molybdenum | 96-1 | 1.22 | 1.31 | 1.38 | 1.30 | 5.85 | ppb |
| Molybdenum | 97-1 | 0.24 | 0.24 | 0.28 | 0.25 | 8.68 | ppb |
| Molybdenum | 98-1 | 0.22 | 0.26 | 0.26 | 0.25 | 10.79 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 119.10 | 118.54 | 118.68 | 118.77 | 0.24 | ppb |
| Phosphorus | 31-2 | 648.16 | 681.30 | 699.62 | 676.36 | 3.86 | ppb |
| Potassium | 39-2 | 2715.60 | 2719.71 | 2740.65 | 2725.32 | 0.49 | ppb |
| Rhodium | 103-1 | | | | 92 | | % |
| Rhodium | 103-2 | | | | 94 | | % |
| Scandium | 45-1 | | | | 91 | | % |
| Scandium | 45-2 | | | | 90 | | % |
| Selenium | 82-1 | 16.09 | 19.11 | 22.59 | 19.26 | 16.90 | ppb |
| Selenium | 77-2 | 22.88 | 22.51 | 23.45 | 22.95 | 2.07 | ppb |
| Selenium | 78-2 | 18.80 | 16.86 | 19.86 | 18.51 | 8.23 | ppb |
| Silicon | 28-1 | 364.39 | 363.71 | 397.32 | 375.14 | 5.12 | ppb |
| Silver | 107-1 | 7.24 | 7.15 | 7.76 | 7.38 | 4.50 | ppb |
| Silver | 109-1 | 6.96 | 7.47 | 7.74 | 7.39 | 5.33 | ppb |
| Sodium | 23-2 | 106.58 | 111.31 | 110.47 | 109.46 | 2.31 | ppb |
| Strontium | 86-1 | 55.95 | 59.55 | 64.51 | 60.00 | 7.16 | ppb |
| Strontium | 88-1 | 57.91 | 60.13 | 64.86 | 60.97 | 5.82 | ppb |
| Sulfur | 34-1 | -2120.47 | -2218.41 | -1853.98 | -2064.28 | | ppb |
| Terbium | 159-1 | | | | 98 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | 7.02 | 7.40 | 7.87 | 7.43 | 5.76 | ppb |
| Thallium | 205-1 | 7.18 | 7.34 | 7.71 | 7.41 | 3.70 | ppb |
| Tin | 118-1 | 1.23 | 1.20 | 1.29 | 1.24 | 3.53 | ppb |
| Titanium | 47-1 | 270.03 | 276.73 | 295.16 | 280.64 | 4.64 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-07DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:32:27 | DataFile Name : | 134SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.24 | 0.25 | 0.29 | 0.26 | 10.44 | ppb |
| Vanadium | 51-2 | 134.02 | 135.41 | 135.16 | 134.86 | 0.55 | ppb |
| Yttrium | 89-1 | | | | 93 | | % |
| Yttrium | 89-2 | | | | 96 | | % |
| Zinc | 66-2 | 136.22 | 136.98 | 136.71 | 136.64 | 0.28 | ppb |
| Zirconium | 90-1 | 4.54 | 4.68 | 5.01 | 4.74 | 5.07 | ppb |
| Zirconium | 91-1 | 4.45 | 5.07 | 5.49 | 5.00 | 10.51 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:35:39 | DataFile Name : | 135SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 14521.87 | 14446.86 | 14380.42 | 14449.72 | 0.49 | ppb |
| Antimony | 121-1 | 70.64 | 71.23 | 73.47 | 71.78 | 2.08 | ppb |
| Arsenic | 75-2 | 54.21 | 55.20 | 53.12 | 54.18 | 1.92 | ppb |
| Barium | 135-1 | 1669.26 | 1618.49 | 1659.71 | 1649.15 | 1.64 | ppb |
| Barium | 137-1 | 1636.34 | 1646.52 | 1728.04 | 1670.30 | 3.01 | ppb |
| Beryllium | 9-1 | 37.76 | 38.10 | 38.43 | 38.10 | 0.88 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 34.32 | 34.85 | 36.43 | 35.20 | 3.11 | ppb |
| Cadmium | 106-1 | 31.86 | 31.19 | 32.92 | 31.99 | 2.73 | ppb |
| Cadmium | 111-1 | 37.49 | 36.95 | 38.47 | 37.63 | 2.04 | ppb |
| Calcium | 43-1 | 6986.74 | 6915.58 | 7037.55 | 6979.96 | 0.88 | ppb |
| Calcium | 44-1 | 6829.67 | 6748.85 | 6948.03 | 6842.18 | 1.46 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 175.85 | 176.03 | 176.08 | 175.99 | 0.07 | ppb |
| Cobalt | 59-2 | 393.65 | 383.77 | 402.38 | 393.27 | 2.37 | ppb |
| Copper | 63-2 | 222.60 | 221.80 | 220.65 | 221.69 | 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 | | | | 100 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 95 | | % |
| Iron | 56-2 | 25730.91 | 25665.81 | 25366.45 | 25587.72 | 0.76 | ppb |
| Iron | 57-2 | 25639.27 | 25425.96 | 25643.61 | 25569.61 | 0.49 | ppb |
| Iron | 54-2 | 25666.72 | 25331.57 | 25684.07 | 25560.79 | 0.78 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:35:39 | DataFile Name : | 135SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 22.07 | 22.97 | 22.40 | 22.48 | 2.03 | ppb |
| Lead | 207-1 | 21.34 | 21.82 | 22.08 | 21.75 | 1.72 | ppb |
| Lead | 208-1 | 21.47 | 22.26 | 21.85 | 21.86 | 1.80 | ppb |
| Lithium | 6-1 | | | | 98 | | % |
| Magnesium | 24-2 | 5754.39 | 5772.86 | 5741.66 | 5756.30 | 0.27 | ppb |
| Manganese | 55-2 | 877.14 | 874.38 | 865.81 | 872.44 | 0.68 | ppb |
| Molybdenum | 94-1 | 7.79 | 7.82 | 8.09 | 7.90 | 2.10 | ppb |
| Molybdenum | 95-1 | 0.27 | 0.27 | 0.31 | 0.28 | 7.95 | ppb |
| Molybdenum | 96-1 | 1.23 | 1.13 | 1.26 | 1.21 | 5.75 | ppb |
| Molybdenum | 97-1 | 0.23 | 0.24 | 0.24 | 0.24 | 1.95 | ppb |
| Molybdenum | 98-1 | 0.27 | 0.23 | 0.25 | 0.25 | 6.12 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 412.58 | 414.59 | 414.08 | 413.75 | 0.25 | ppb |
| Phosphorus | 31-2 | 639.59 | 667.67 | 674.37 | 660.54 | 2.79 | ppb |
| Potassium | 39-2 | 2620.49 | 2612.06 | 2609.19 | 2613.91 | 0.22 | ppb |
| Rhodium | 103-1 | | | | 93 | | % |
| Rhodium | 103-2 | | | | 94 | | % |
| Scandium | 45-1 | | | | 94 | | % |
| Scandium | 45-2 | | | | 89 | | % |
| Selenium | 82-1 | 80.06 | 80.30 | 82.40 | 80.92 | 1.59 | ppb |
| Selenium | 77-2 | 81.09 | 97.54 | 82.02 | 86.88 | 10.63 | ppb |
| Selenium | 78-2 | 75.84 | 81.02 | 81.33 | 79.39 | 3.88 | ppb |
| Silicon | 28-1 | 349.88 | 348.21 | 357.64 | 351.91 | 1.43 | ppb |
| Silver | 107-1 | 25.10 | 24.45 | 25.41 | 24.99 | 1.97 | ppb |
| Silver | 109-1 | 24.46 | 28.19 | 26.31 | 26.32 | 7.09 | ppb |
| Sodium | 23-2 | 106.44 | 105.71 | 105.61 | 105.92 | 0.43 | ppb |
| Strontium | 86-1 | 57.25 | 56.70 | 58.59 | 57.51 | 1.69 | ppb |
| Strontium | 88-1 | 56.93 | 57.74 | 58.48 | 57.72 | 1.34 | ppb |
| Sulfur | 34-1 | -2189.11 | -2464.82 | -2371.83 | -2341.92 | | ppb |
| Terbium | 159-1 | | | | 98 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | 30.87 | 31.56 | 31.28 | 31.24 | 1.11 | ppb |
| Thallium | 205-1 | 30.56 | 31.84 | 31.23 | 31.21 | 2.06 | ppb |
| Tin | 118-1 | 1.17 | 1.19 | 1.24 | 1.20 | 2.87 | ppb |
| Titanium | 47-1 | 260.92 | 261.90 | 263.88 | 262.23 | 0.58 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:35:39 | DataFile Name : | 135SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.23 | 0.24 | 0.23 | 0.23 | 1.71 | ppb |
| Vanadium | 51-2 | 417.22 | 415.86 | 418.07 | 417.05 | 0.27 | ppb |
| Yttrium | 89-1 | | | | 94 | | % |
| Yttrium | 89-2 | | | | 96 | | % |
| Zinc | 66-2 | 417.43 | 414.13 | 419.68 | 417.08 | 0.67 | ppb |
| Zirconium | 90-1 | 4.57 | 4.58 | 4.67 | 4.61 | 1.15 | ppb |
| Zirconium | 91-1 | 4.59 | 4.64 | 4.67 | 4.63 | 0.84 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04A | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:38:49 | DataFile Name : | 136SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 38948.44 | 38847.60 | 38676.59 | 38824.21 | 0.35 | ppb |
| Antimony | 121-1 | 2.74 | 2.74 | 2.82 | 2.77 | 1.82 | ppb |
| Arsenic | 75-2 | 212.30 | 217.86 | 212.08 | 214.08 | 1.53 | ppb |
| Barium | 135-1 | 535.96 | 535.46 | 541.21 | 537.55 | 0.59 | ppb |
| Barium | 137-1 | 534.63 | 532.50 | 539.14 | 535.42 | 0.63 | ppb |
| Beryllium | 9-1 | 1.59 | 1.53 | 1.58 | 1.57 | 2.15 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.63 | 3.22 | 2.97 | 2.94 | 10.19 | ppb |
| Cadmium | 106-1 | 2.56 | 2.81 | 2.55 | 2.64 | 5.74 | ppb |
| Cadmium | 111-1 | 2.36 | 2.30 | 2.42 | 2.36 | 2.71 | ppb |
| Calcium | 43-1 | 12554.24 | 12583.37 | 12760.18 | 12632.60 | 0.88 | ppb |
| Calcium | 44-1 | 12219.95 | 12158.36 | 12477.25 | 12285.19 | 1.38 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 89.39 | 89.02 | 88.85 | 89.09 | 0.31 | ppb |
| Cobalt | 59-2 | 48.05 | 48.07 | 48.01 | 48.04 | 0.06 | ppb |
| Copper | 63-2 | 325.86 | 327.33 | 326.41 | 326.53 | 0.23 | 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 | | | | 100 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 95 | | % |
| Iron | 56-2 | 92313.49 | 92314.30 | 91857.29 | 92161.70 | 0.29 | ppb |
| Iron | 57-2 | 91145.87 | 89552.54 | 89793.35 | 90163.92 | 0.95 | ppb |
| Iron | 54-2 | 91756.04 | 91177.60 | 90955.79 | 91296.48 | 0.45 | ppb |
| Krypton | 83-1 | | | | | | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04A | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:38:49 | DataFile Name : | 136SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 85.95 | 85.05 | 85.42 | 85.47 | 0.53 | ppb |
| Lead | 207-1 | 84.03 | 82.00 | 83.68 | 83.24 | 1.31 | ppb |
| Lead | 208-1 | 84.23 | 82.84 | 83.84 | 83.63 | 0.86 | ppb |
| Lithium | 6-1 | | | | 99 | | % |
| Magnesium | 24-2 | 18088.24 | 18008.46 | 18148.77 | 18081.82 | 0.39 | ppb |
| Manganese | 55-2 | 3210.91 | 3260.54 | 3223.44 | 3231.63 | 0.80 | ppb |
| Molybdenum | 94-1 | 21.42 | 22.21 | 22.45 | 22.03 | 2.46 | ppb |
| Molybdenum | 95-1 | 1.80 | 1.78 | 1.90 | 1.83 | 3.40 | ppb |
| Molybdenum | 96-1 | 4.43 | 4.35 | 4.50 | 4.43 | 1.71 | ppb |
| Molybdenum | 97-1 | 1.80 | 1.84 | 1.86 | 1.84 | 1.59 | ppb |
| Molybdenum | 98-1 | 1.68 | 1.82 | 1.80 | 1.77 | 4.09 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 83.42 | 85.59 | 84.15 | 84.38 | 1.31 | ppb |
| Phosphorus | 31-2 | 3151.28 | 3208.71 | 3245.39 | 3201.79 | 1.48 | ppb |
| Potassium | 39-2 | 12703.83 | 12812.28 | 12671.28 | 12729.13 | 0.58 | ppb |
| Rhodium | 103-1 | | | | 92 | | % |
| Rhodium | 103-2 | | | | 94 | | % |
| Scandium | 45-1 | | | | 96 | | % |
| Scandium | 45-2 | | | | 93 | | % |
| Selenium | 82-1 | 1.74 | 1.79 | 1.83 | 1.78 | 2.58 | ppb |
| Selenium | 77-2 | 16.94 | 17.39 | 14.55 | 16.29 | 9.38 | ppb |
| Selenium | 78-2 | 3.74 | 2.60 | 0.81 | 2.38 | 62.01 | ppb |
| Silicon | 28-1 | 2026.63 | 2007.31 | 2066.22 | 2033.39 | 1.48 | ppb |
| Silver | 107-1 | 1.99 | 1.94 | 1.98 | 1.97 | 1.34 | ppb |
| Silver | 109-1 | 2.00 | 1.87 | 1.97 | 1.95 | 3.63 | ppb |
| Sodium | 23-2 | 224.28 | 226.89 | 227.34 | 226.17 | 0.73 | ppb |
| Strontium | 86-1 | 104.35 | 104.04 | 107.63 | 105.34 | 1.89 | ppb |
| Strontium | 88-1 | 110.91 | 109.89 | 112.62 | 111.14 | 1.24 | ppb |
| Sulfur | 34-1 | -2033.62 | -2256.88 | -2232.34 | -2174.28 | | ppb |
| Terbium | 159-1 | | | | 99 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.33 | 0.34 | 0.36 | 0.34 | 4.43 | ppb |
| Thallium | 205-1 | 0.38 | 0.35 | 0.36 | 0.37 | 3.80 | ppb |
| Tin | 118-1 | 2.38 | 2.44 | 2.46 | 2.43 | 1.57 | ppb |
| Titanium | 47-1 | 917.17 | 921.75 | 934.41 | 924.45 | 0.97 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04A | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:38:49 | DataFile Name : | 136SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.36 | 1.29 | 1.30 | 1.32 | 3.07 | ppb |
| Vanadium | 51-2 | 161.83 | 162.15 | 162.04 | 162.01 | 0.10 | ppb |
| Yttrium | 89-1 | | | | 98 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 307.88 | 311.82 | 306.94 | 308.88 | 0.84 | ppb |
| Zirconium | 90-1 | 12.13 | 12.10 | 12.62 | 12.28 | 2.39 | ppb |
| Zirconium | 91-1 | 12.23 | 12.06 | 12.48 | 12.26 | 1.70 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12A | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:41:58 | DataFile Name : | 137SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 49475.55 | 49734.50 | 49872.35 | 49694.13 | 0.41 | ppb |
| Antimony | 121-1 | 1.49 | 1.54 | 1.60 | 1.54 | 3.56 | ppb |
| Arsenic | 75-2 | 123.40 | 122.73 | 124.38 | 123.50 | 0.67 | ppb |
| Barium | 135-1 | 547.22 | 547.54 | 563.55 | 552.77 | 1.69 | ppb |
| Barium | 137-1 | 549.01 | 550.67 | 561.02 | 553.57 | 1.18 | ppb |
| Beryllium | 9-1 | 1.56 | 1.76 | 1.67 | 1.66 | 6.16 | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 3.24 | 2.63 | 3.15 | 3.01 | 10.93 | ppb |
| Cadmium | 106-1 | 2.65 | 2.51 | 1.10 | 2.09 | 41.13 | ppb |
| Cadmium | 111-1 | 1.86 | 1.79 | 1.81 | 1.82 | 2.08 | ppb |
| Calcium | 43-1 | 21877.45 | 22235.61 | 22457.90 | 22190.32 | 1.32 | ppb |
| Calcium | 44-1 | 21371.89 | 21462.50 | 21732.18 | 21522.19 | 0.87 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 109.25 | 109.23 | 109.60 | 109.36 | 0.19 | ppb |
| Cobalt | 59-2 | 50.63 | 51.01 | 51.11 | 50.91 | 0.50 | ppb |
| Copper | 63-2 | 299.22 | 300.77 | 301.44 | 300.48 | 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 | | | | 101 | | % |
| Holmium | 165-2 | | | | 102 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 95879.08 | 95377.49 | 96946.20 | 96067.59 | 0.83 | ppb |
| Iron | 57-2 | 93767.10 | 94288.39 | 94986.66 | 94347.39 | 0.65 | ppb |
| Iron | 54-2 | 94998.68 | 94675.90 | 96259.90 | 95311.49 | 0.88 | ppb |
| Krypton | 83-1 | | | | | | cps |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12A | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:41:58 | DataFile Name : | 137SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 71.48 | 72.19 | 75.10 | 72.92 | 2.62 | ppb |
| Lead | 207-1 | 69.69 | 70.21 | 73.04 | 70.98 | 2.54 | ppb |
| Lead | 208-1 | 70.02 | 70.81 | 73.29 | 71.37 | 2.39 | ppb |
| Lithium | 6-1 | | | | 98 | | % |
| Magnesium | 24-2 | 21932.10 | 21802.55 | 21694.43 | 21809.69 | 0.55 | ppb |
| Manganese | 55-2 | 3255.56 | 3211.90 | 3305.86 | 3257.77 | 1.44 | ppb |
| Molybdenum | 94-1 | 28.70 | 29.18 | 29.36 | 29.08 | 1.18 | ppb |
| Molybdenum | 95-1 | 1.27 | 1.25 | 1.27 | 1.26 | 1.14 | ppb |
| Molybdenum | 96-1 | 4.67 | 4.84 | 4.68 | 4.73 | 2.00 | ppb |
| Molybdenum | 97-1 | 1.10 | 1.25 | 1.18 | 1.18 | 6.35 | ppb |
| Molybdenum | 98-1 | 1.19 | 1.20 | 1.17 | 1.19 | 1.22 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 100.51 | 99.37 | 101.30 | 100.39 | 0.97 | ppb |
| Phosphorus | 31-2 | 2094.66 | 2185.19 | 2058.09 | 2112.65 | 3.10 | ppb |
| Potassium | 39-2 | 10687.27 | 10987.91 | 10770.00 | 10815.06 | 1.44 | ppb |
| Rhodium | 103-1 | | | | 93 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 99 | | % |
| Scandium | 45-2 | | | | 95 | | % |
| Selenium | 82-1 | 2.48 | 2.01 | 2.13 | 2.21 | 11.04 | ppb |
| Selenium | 77-2 | 18.03 | 13.36 | 9.02 | 13.47 | 33.43 | ppb |
| Selenium | 78-2 | 3.10 | 3.67 | 2.47 | 3.08 | 19.58 | ppb |
| Silicon | 28-1 | 2164.37 | 2210.84 | 2211.66 | 2195.62 | 1.23 | ppb |
| Silver | 107-1 | 1.82 | 1.86 | 1.85 | 1.84 | 1.25 | ppb |
| Silver | 109-1 | 1.81 | 1.81 | 1.86 | 1.83 | 1.74 | ppb |
| Sodium | 23-2 | 265.97 | 268.00 | 269.88 | 267.95 | 0.73 | ppb |
| Strontium | 86-1 | 98.50 | 100.07 | 99.02 | 99.20 | 0.81 | ppb |
| Strontium | 88-1 | 103.78 | 106.76 | 104.89 | 105.14 | 1.43 | ppb |
| Sulfur | 34-1 | -2582.45 | -2608.17 | -2514.54 | -2568.39 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | 0.35 | 0.39 | 0.38 | 0.37 | 5.21 | ppb |
| Thallium | 205-1 | 0.37 | 0.38 | 0.41 | 0.39 | 5.02 | ppb |
| Tin | 118-1 | 2.51 | 2.43 | 2.56 | 2.50 | 2.54 | ppb |
| Titanium | 47-1 | 1022.68 | 1040.41 | 1051.79 | 1038.30 | 1.41 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12A | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:41:58 | DataFile Name : | 137SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.93 | 0.94 | 0.95 | 0.94 | 1.11 | ppb |
| Vanadium | 51-2 | 173.17 | 175.16 | 175.35 | 174.56 | 0.69 | ppb |
| Yttrium | 89-1 | | | | 99 | | % |
| Yttrium | 89-2 | | | | 102 | | % |
| Zinc | 66-2 | 263.96 | 265.29 | 264.11 | 264.45 | 0.28 | ppb |
| Zirconium | 90-1 | 16.62 | 17.34 | 17.02 | 16.99 | 2.13 | ppb |
| Zirconium | 91-1 | 16.74 | 17.18 | 17.00 | 16.97 | 1.28 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05A | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:45:09 | DataFile Name : | 138SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 49612.39 | 50468.45 | 49888.22 | 49989.69 | 0.87 | ppb |
| Antimony | 121-1 | 1.63 | 1.71 | 1.60 | 1.65 | 3.46 | ppb |
| Arsenic | 75-2 | 103.55 | 101.08 | 106.08 | 103.57 | 2.42 | ppb |
| Barium | 135-1 | 593.18 | 601.11 | 596.49 | 596.93 | 0.67 | ppb |
| Barium | 137-1 | 587.20 | 596.61 | 601.18 | 595.00 | 1.20 | ppb |
| Beryllium | 9-1 | 1.58 | 1.73 | 1.67 | 1.66 | 4.54 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 2.57 | 2.02 | 2.52 | 2.37 | 12.95 | ppb |
| Cadmium | 106-1 | 0.66 | 0.74 | 0.36 | 0.59 | 33.50 | ppb |
| Cadmium | 111-1 | 0.77 | 0.78 | 0.73 | 0.76 | 3.42 | ppb |
| Calcium | 43-1 | 27511.73 | 27612.99 | 27441.49 | 27522.07 | 0.31 | ppb |
| Calcium | 44-1 | 26662.07 | 26574.59 | 26770.21 | 26668.96 | 0.37 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 94.87 | 95.46 | 95.28 | 95.20 | 0.32 | ppb |
| Cobalt | 59-2 | 45.09 | 45.05 | 45.00 | 45.05 | 0.09 | ppb |
| Copper | 63-2 | 172.70 | 173.55 | 172.29 | 172.85 | 0.37 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 95 | | % |
| Iron | 56-2 | 94871.39 | 96939.23 | 95563.11 | 95791.25 | 1.10 | ppb |
| Iron | 57-2 | 93795.94 | 96175.78 | 93400.91 | 94457.54 | 1.59 | ppb |
| Iron | 54-2 | 94876.75 | 96687.19 | 95167.81 | 95577.25 | 1.02 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05A | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:45:09 | DataFile Name : | 138SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 39.75 | 40.10 | 41.14 | 40.33 | 1.79 | ppb |
| Lead | 207-1 | 37.91 | 38.68 | 39.57 | 38.72 | 2.15 | ppb |
| Lead | 208-1 | 38.41 | 38.99 | 39.87 | 39.09 | 1.87 | ppb |
| Lithium | 6-1 | | | | 94 | | % |
| Magnesium | 24-2 | 22394.02 | 22217.67 | 22418.31 | 22343.34 | 0.49 | ppb |
| Manganese | 55-2 | 1934.54 | 2008.00 | 1935.55 | 1959.36 | 2.15 | ppb |
| Molybdenum | 94-1 | 31.19 | 31.25 | 31.86 | 31.44 | 1.19 | ppb |
| Molybdenum | 95-1 | 0.93 | 1.00 | 0.96 | 0.96 | 3.26 | ppb |
| Molybdenum | 96-1 | 4.65 | 4.70 | 4.91 | 4.75 | 2.82 | ppb |
| Molybdenum | 97-1 | 1.00 | 0.98 | 1.02 | 1.00 | 2.43 | ppb |
| Molybdenum | 98-1 | 0.98 | 0.93 | 0.98 | 0.96 | 2.89 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 104.61 | 106.28 | 105.87 | 105.59 | 0.82 | ppb |
| Phosphorus | 31-2 | 2552.44 | 2572.71 | 2577.72 | 2567.62 | 0.52 | ppb |
| Potassium | 39-2 | 9683.79 | 9808.47 | 9773.19 | 9755.15 | 0.66 | ppb |
| Rhodium | 103-1 | | | | 93 | | % |
| Rhodium | 103-2 | | | | 94 | | % |
| Scandium | 45-1 | | | | 98 | | % |
| Scandium | 45-2 | | | | 96 | | % |
| Selenium | 82-1 | 1.26 | 1.26 | 0.14 | 0.89 | 72.57 | ppb |
| Selenium | 77-2 | 13.95 | 20.42 | 13.90 | 16.09 | 23.32 | ppb |
| Selenium | 78-2 | 3.26 | 3.76 | 1.65 | 2.89 | 38.11 | ppb |
| Silicon | 28-1 | 1710.60 | 1743.88 | 1715.38 | 1723.29 | 1.04 | ppb |
| Silver | 107-1 | 1.29 | 1.35 | 1.32 | 1.32 | 2.03 | ppb |
| Silver | 109-1 | 1.33 | 1.37 | 1.32 | 1.34 | 1.92 | ppb |
| Sodium | 23-2 | 439.54 | 444.92 | 438.79 | 441.08 | 0.76 | ppb |
| Strontium | 86-1 | 221.35 | 224.00 | 228.46 | 224.60 | 1.60 | ppb |
| Strontium | 88-1 | 238.81 | 238.94 | 240.34 | 239.37 | 0.35 | ppb |
| Sulfur | 34-1 | -2313.62 | -2312.25 | -2345.90 | -2323.92 | | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.26 | 0.26 | 0.26 | 0.26 | 0.59 | ppb |
| Thallium | 205-1 | 0.26 | 0.26 | 0.27 | 0.27 | 3.01 | ppb |
| Tin | 118-1 | 2.95 | 2.97 | 2.88 | 2.94 | 1.54 | ppb |
| Titanium | 47-1 | 1058.07 | 1071.57 | 1070.45 | 1066.70 | 0.70 | ppb |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05A | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:45:09 | DataFile Name : | 138SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.96 | 0.99 | 1.01 | 0.99 | 2.27 | ppb |
| Vanadium | 51-2 | 177.77 | 180.73 | 177.61 | 178.70 | 0.98 | ppb |
| Yttrium | 89-1 | | | | 99 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 192.58 | 194.06 | 193.77 | 193.47 | 0.40 | ppb |
| Zirconium | 90-1 | 18.44 | 18.52 | 18.89 | 18.61 | 1.28 | ppb |
| Zirconium | 91-1 | 18.43 | 18.98 | 18.94 | 18.78 | 1.64 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164430BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS430 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:54:32 | DataFile Name : | 139CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3.43 | 4.33 | 4.52 | 4.10 | 14.27 | ppb |
| Antimony | 121-1 | 0.00 | 0.00 | 0.01 | 0.00 | 52.19 | ppb |
| Arsenic | 75-2 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Barium | 135-1 | 0.04 | 0.07 | 0.07 | 0.06 | 28.41 | ppb |
| Barium | 137-1 | 0.04 | 0.05 | 0.06 | 0.05 | 20.82 | ppb |
| Beryllium | 9-1 | -0.01 | -0.01 | -0.02 | -0.01 | | ppb |
| Bismuth | 209-1 | | | | 105 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | -0.10 | -0.06 | -0.10 | -0.09 | | ppb |
| Cadmium | 106-1 | -2.36 | -2.85 | -2.49 | -2.57 | | ppb |
| Cadmium | 111-1 | -0.16 | -0.20 | -0.18 | -0.18 | | ppb |
| Calcium | 43-1 | 1.58 | -0.06 | -0.66 | 0.29 | 404.83 | ppb |
| Calcium | 44-1 | -16.06 | -17.44 | -14.75 | -16.08 | | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.00 | -0.02 | 0.03 | 0.00 | 718.51 | ppb |
| Cobalt | 59-2 | -0.01 | -0.01 | -0.01 | -0.01 | | ppb |
| Copper | 63-2 | -0.07 | -0.12 | -0.13 | -0.11 | | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 99 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 99 | | % |
| Indium | 115-2 | | | | 99 | | % |
| Iron | 56-2 | 7.18 | 7.45 | 7.76 | 7.46 | 3.89 | ppb |
| Iron | 57-2 | 2.57 | 3.45 | 4.21 | 3.41 | 23.99 | ppb |
| Iron | 54-2 | 7.64 | 8.48 | 5.76 | 7.30 | 19.08 | ppb |
| Krypton | 83-1 | | | | | | cps |

Reviewed By:Mohan
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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164430BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS430 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:54:32 | DataFile Name : | 139CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.03 | 0.03 | 0.02 | 0.03 | 27.22 | ppb |
| Lead | 207-1 | 0.03 | 0.02 | 0.02 | 0.02 | 37.96 | ppb |
| Lead | 208-1 | 0.02 | 0.02 | 0.02 | 0.02 | 12.99 | ppb |
| Lithium | 6-1 | | | | 96 | | % |
| Magnesium | 24-2 | 1.92 | 2.02 | 2.03 | 1.99 | 3.10 | ppb |
| Manganese | 55-2 | 0.10 | 0.19 | 0.13 | 0.14 | 31.50 | ppb |
| Molybdenum | 94-1 | 0.00 | 0.00 | 0.01 | 0.00 | 131.33 | ppb |
| Molybdenum | 95-1 | 0.00 | -0.01 | 0.00 | 0.00 | | ppb |
| Molybdenum | 96-1 | 0.01 | 0.01 | 0.00 | 0.01 | 32.04 | ppb |
| Molybdenum | 97-1 | 0.00 | 0.00 | 0.00 | 0.00 | 951.49 | ppb |
| Molybdenum | 98-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.01 | 0.01 | -0.03 | 0.00 | | ppb |
| Phosphorus | 31-2 | -16.88 | -26.26 | -15.17 | -19.44 | | ppb |
| Potassium | 39-2 | -11.69 | -15.04 | -15.25 | -13.99 | | ppb |
| Rhodium | 103-1 | | | | 99 | | % |
| Rhodium | 103-2 | | | | 99 | | % |
| Scandium | 45-1 | | | | 96 | | % |
| Scandium | 45-2 | | | | 92 | | % |
| Selenium | 82-1 | -0.42 | 0.71 | -0.24 | 0.01 | 4912.13 | ppb |
| Selenium | 77-2 | -0.37 | -0.37 | -0.37 | -0.37 | | ppb |
| Selenium | 78-2 | -0.04 | 0.86 | -0.66 | 0.05 | 1417.91 | ppb |
| Silicon | 28-1 | -2.33 | -2.73 | -2.03 | -2.36 | | ppb |
| Silver | 107-1 | 0.00 | 0.00 | 0.00 | 0.00 | 29.96 | ppb |
| Silver | 109-1 | 0.00 | 0.00 | 0.00 | 0.00 | 297.14 | ppb |
| Sodium | 23-2 | -2.22 | -4.17 | -3.93 | -3.44 | | ppb |
| Strontium | 86-1 | 0.01 | -0.03 | 0.02 | 0.00 | | ppb |
| Strontium | 88-1 | 0.01 | 0.01 | 0.02 | 0.01 | 20.10 | ppb |
| Sulfur | 34-1 | -2382.68 | -2438.64 | -2226.97 | -2349.43 | | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | 0.00 | 0.00 | 0.01 | 0.00 | 111.96 | ppb |
| Thallium | 205-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Tin | 118-1 | 0.05 | 0.02 | 0.12 | 0.06 | 79.49 | ppb |
| Titanium | 47-1 | 0.07 | 0.05 | 0.07 | 0.06 | 21.45 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164430BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS430 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:54:32 | DataFile Name : | 139CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Vanadium | 51-2 | 0.01 | 0.01 | 0.02 | 0.01 | 50.44 | ppb |
| Yttrium | 89-1 | | | | 98 | | % |
| Yttrium | 89-2 | | | | 99 | | % |
| Zinc | 66-2 | 0.17 | 0.04 | 0.00 | 0.07 | 130.09 | ppb |
| Zirconium | 90-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Zirconium | 91-1 | 0.01 | 0.00 | -0.01 | 0.00 | | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164430BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS430 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:57:49 | DataFile Name : | 140LCSE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 41.70 | 38.90 | 38.16 | 39.59 | 4.71 | ppb |
| Antimony | 121-1 | 3.67 | 3.84 | 3.81 | 3.77 | 2.43 | ppb |
| Arsenic | 75-2 | 2.32 | 1.88 | 2.11 | 2.11 | 10.42 | ppb |
| Barium | 135-1 | 17.46 | 17.77 | 17.54 | 17.59 | 0.92 | ppb |
| Barium | 137-1 | 17.26 | 17.79 | 17.78 | 17.61 | 1.72 | ppb |
| Beryllium | 9-1 | 2.06 | 1.90 | 2.06 | 2.00 | 4.67 | ppb |
| Bismuth | 209-1 | | | | 107 | | % |
| Bismuth | 209-2 | | | | 102 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 1.88 | 2.19 | 2.29 | 2.12 | 10.12 | ppb |
| Cadmium | 106-1 | 1.44 | -0.27 | 0.64 | 0.60 | 141.40 | ppb |
| Cadmium | 111-1 | 2.04 | 1.95 | 2.13 | 2.04 | 4.37 | ppb |
| Calcium | 43-1 | 912.09 | 960.42 | 950.81 | 941.11 | 2.72 | ppb |
| Calcium | 44-1 | 920.78 | 947.95 | 927.20 | 931.97 | 1.52 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 5.11 | 4.17 | 4.31 | 4.53 | 11.21 | ppb |
| Cobalt | 59-2 | 2.27 | 2.00 | 1.97 | 2.08 | 7.86 | ppb |
| Copper | 63-2 | 4.50 | 3.93 | 3.99 | 4.14 | 7.58 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 101 | | % |
| Holmium | 165-2 | | | | 98 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 474.30 | 424.41 | 420.21 | 439.64 | 6.84 | ppb |
| Iron | 57-2 | 471.95 | 421.02 | 419.42 | 437.46 | 6.83 | ppb |
| Iron | 54-2 | 480.19 | 422.84 | 416.72 | 439.92 | 7.96 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164430BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS430 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:57:49 | DataFile Name : | 140LCSE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1.71 | 1.65 | 1.77 | 1.71 | 3.39 | ppb |
| Lead | 207-1 | 1.55 | 1.72 | 1.68 | 1.65 | 5.30 | ppb |
| Lead | 208-1 | 1.64 | 1.67 | 1.71 | 1.68 | 2.05 | ppb |
| Lithium | 6-1 | | | | 96 | | % |
| Magnesium | 24-2 | 1144.26 | 1033.10 | 1014.71 | 1064.02 | 6.59 | ppb |
| Manganese | 55-2 | 2.31 | 2.14 | 2.07 | 2.17 | 5.79 | ppb |
| Molybdenum | 94-1 | 10.14 | 10.26 | 10.59 | 10.33 | 2.29 | ppb |
| Molybdenum | 95-1 | 8.24 | 8.51 | 8.62 | 8.45 | 2.35 | ppb |
| Molybdenum | 96-1 | 8.51 | 8.91 | 8.93 | 8.79 | 2.69 | ppb |
| Molybdenum | 97-1 | 8.43 | 8.67 | 8.96 | 8.68 | 3.04 | ppb |
| Molybdenum | 98-1 | 8.21 | 8.33 | 8.55 | 8.36 | 2.07 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 2.44 | 2.37 | 2.21 | 2.34 | 5.06 | ppb |
| Phosphorus | 31-2 | -20.31 | -18.19 | -19.55 | -19.35 | | ppb |
| Potassium | 39-2 | 1160.16 | 1018.21 | 1005.79 | 1061.39 | 8.08 | ppb |
| Rhodium | 103-1 | | | | 99 | | % |
| Rhodium | 103-2 | | | | 94 | | % |
| Scandium | 45-1 | | | | 96 | | % |
| Scandium | 45-2 | | | | 89 | | % |
| Selenium | 82-1 | 10.23 | 9.86 | 10.97 | 10.35 | 5.45 | ppb |
| Selenium | 77-2 | 12.87 | 9.49 | 7.82 | 10.06 | 25.56 | ppb |
| Selenium | 78-2 | 12.68 | 8.55 | 9.44 | 10.22 | 21.25 | ppb |
| Silicon | 28-1 | 4.29 | 5.29 | 4.67 | 4.75 | 10.63 | ppb |
| Silver | 107-1 | 1.82 | 1.84 | 1.91 | 1.86 | 2.46 | ppb |
| Silver | 109-1 | 1.78 | 1.76 | 1.80 | 1.78 | 1.07 | ppb |
| Sodium | 23-2 | 1099.27 | 980.36 | 961.02 | 1013.55 | 7.39 | ppb |
| Strontium | 86-1 | 1.71 | 1.78 | 1.93 | 1.81 | 6.33 | ppb |
| Strontium | 88-1 | 1.85 | 1.95 | 1.96 | 1.92 | 3.17 | ppb |
| Sulfur | 34-1 | -2115.10 | -1822.85 | -1834.36 | -1924.11 | | ppb |
| Terbium | 159-1 | | | | 101 | | % |
| Terbium | 159-2 | | | | 97 | | % |
| Thallium | 203-1 | 1.62 | 1.61 | 1.65 | 1.63 | 1.23 | ppb |
| Thallium | 205-1 | 1.57 | 1.63 | 1.66 | 1.62 | 2.66 | ppb |
| Tin | 118-1 | 0.10 | 0.08 | 0.07 | 0.08 | 19.14 | ppb |
| Titanium | 47-1 | 9.78 | 8.90 | 8.72 | 9.13 | 6.18 | ppb |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164430BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS430 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:57:49 | DataFile Name : | 140LCSE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1.50 | 1.55 | 1.57 | 1.54 | 2.41 | ppb |
| Vanadium | 51-2 | 11.38 | 9.98 | 9.83 | 10.40 | 8.18 | ppb |
| Yttrium | 89-1 | | | | 98 | | % |
| Yttrium | 89-2 | | | | 95 | | % |
| Zinc | 66-2 | 11.64 | 9.95 | 10.13 | 10.57 | 8.80 | ppb |
| Zirconium | 90-1 | 1.91 | 1.89 | 1.95 | 1.92 | 1.60 | ppb |
| Zirconium | 91-1 | 1.82 | 2.05 | 1.95 | 1.94 | 5.98 | ppb |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV040 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV040 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 20:01:09 | DataFile Name : | 141CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 49081.14 | 49315.31 | 48521.01 | 48972.49 | 0.83 | ppb |
| Antimony | 121-1 | 500.68 | 494.48 | 501.79 | 498.99 | 0.79 | ppb |
| Arsenic | 75-2 | 517.18 | 523.13 | 514.04 | 518.12 | 0.89 | ppb |
| Barium | 135-1 | 2511.33 | 2500.72 | 2510.38 | 2507.48 | 0.23 | ppb |
| Barium | 137-1 | 2518.42 | 2524.12 | 2514.31 | 2518.95 | 0.20 | ppb |
| Beryllium | 9-1 | 508.36 | 509.70 | 506.59 | 508.22 | 0.31 | ppb |
| Bismuth | 209-1 | | | | 104 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 506.74 | 507.49 | 505.94 | 506.73 | 0.15 | ppb |
| Cadmium | 106-1 | 502.13 | 502.30 | 508.58 | 504.34 | 0.73 | ppb |
| Cadmium | 111-1 | 502.20 | 501.34 | 505.75 | 503.09 | 0.46 | ppb |
| Calcium | 43-1 | 246115.02 | 246936.25 | 242787.25 | 245279.51 | 0.90 | ppb |
| Calcium | 44-1 | 240977.22 | 244510.67 | 242246.97 | 242578.29 | 0.74 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 499.82 | 496.26 | 498.31 | 498.13 | 0.36 | ppb |
| Cobalt | 59-2 | 533.22 | 533.71 | 532.42 | 533.12 | 0.12 | ppb |
| Copper | 63-2 | 5118.11 | 5238.95 | 5209.60 | 5188.89 | 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 | | | | 104 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 96 | | % |
| Indium | 115-2 | | | | 95 | | % |
| Iron | 56-2 | 126430.97 | 126688.78 | 126859.05 | 126659.60 | 0.17 | ppb |
| Iron | 57-2 | 125067.76 | 125490.55 | 125690.39 | 125416.23 | 0.25 | ppb |
| Iron | 54-2 | 125463.84 | 126273.36 | 126103.36 | 125946.85 | 0.34 | ppb |
| Krypton | 83-1 | | | | | | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV040 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV040 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 20:01:09 | DataFile Name : | 141CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2516.07 | 2524.27 | 2616.07 | 2552.14 | 2.18 | ppb |
| Lead | 207-1 | 2485.84 | 2470.47 | 2576.25 | 2510.86 | 2.28 | ppb |
| Lead | 208-1 | 2475.10 | 2493.39 | 2574.70 | 2514.40 | 2.11 | ppb |
| Lithium | 6-1 | | | | 105 | | % |
| Magnesium | 24-2 | 252474.32 | 248946.03 | 249990.15 | 250470.17 | 0.72 | ppb |
| Manganese | 55-2 | 4963.97 | 5019.17 | 5006.23 | 4996.45 | 0.58 | ppb |
| Molybdenum | 94-1 | 4898.22 | 5081.61 | 5014.72 | 4998.18 | 1.86 | ppb |
| Molybdenum | 95-1 | 4895.88 | 5040.78 | 5023.24 | 4986.64 | 1.59 | ppb |
| Molybdenum | 96-1 | 4861.47 | 5041.05 | 5026.27 | 4976.27 | 2.00 | ppb |
| Molybdenum | 97-1 | 4834.06 | 5092.53 | 5009.42 | 4978.67 | 2.65 | ppb |
| Molybdenum | 98-1 | 4839.85 | 5056.74 | 4985.30 | 4960.63 | 2.23 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 518.20 | 518.64 | 521.55 | 519.46 | 0.35 | ppb |
| Phosphorus | 31-2 | 9911.96 | 9943.83 | 9881.02 | 9912.27 | 0.32 | ppb |
| Potassium | 39-2 | 123681.84 | 122746.88 | 122867.60 | 123098.77 | 0.41 | ppb |
| Rhodium | 103-1 | | | | 93 | | % |
| Rhodium | 103-2 | | | | 91 | | % |
| Scandium | 45-1 | | | | 96 | | % |
| Scandium | 45-2 | | | | 92 | | % |
| Selenium | 82-1 | 496.79 | 506.00 | 509.04 | 503.94 | 1.27 | ppb |
| Selenium | 77-2 | 521.82 | 507.46 | 501.77 | 510.35 | 2.02 | ppb |
| Selenium | 78-2 | 505.34 | 512.21 | 497.20 | 504.92 | 1.49 | ppb |
| Silicon | 28-1 | 2850.21 | 2851.97 | 2973.07 | 2891.75 | 2.44 | ppb |
| Silver | 107-1 | 521.04 | 514.22 | 517.14 | 517.47 | 0.66 | ppb |
| Silver | 109-1 | 522.92 | 511.10 | 522.06 | 518.69 | 1.27 | ppb |
| Sodium | 23-2 | 247547.68 | 245603.96 | 245112.93 | 246088.19 | 0.52 | ppb |
| Strontium | 86-1 | 12306.89 | 12617.26 | 12400.41 | 12441.52 | 1.28 | ppb |
| Strontium | 88-1 | 12102.44 | 12640.87 | 12723.06 | 12488.79 | 2.70 | ppb |
| Sulfur | 34-1 | 9412.52 | 9336.94 | 9482.62 | 9410.69 | 0.77 | ppb |
| Terbium | 159-1 | | | | 103 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 509.68 | 505.50 | 522.01 | 512.40 | 1.68 | ppb |
| Thallium | 205-1 | 500.65 | 507.66 | 528.15 | 512.15 | 2.79 | ppb |
| Tin | 118-1 | 485.01 | 485.80 | 491.95 | 487.59 | 0.78 | ppb |
| Titanium | 47-1 | 4944.80 | 5020.31 | 4969.05 | 4978.05 | 0.77 | ppb |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV040 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV040 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 20:01:09 | DataFile Name : | 141CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 500.88 | 505.44 | 519.75 | 508.69 | 1.94 | ppb |
| Vanadium | 51-2 | 504.77 | 506.17 | 501.43 | 504.12 | 0.48 | ppb |
| Yttrium | 89-1 | | | | 98 | | % |
| Yttrium | 89-2 | | | | 98 | | % |
| Zinc | 66-2 | 5228.61 | 5306.34 | 5153.20 | 5229.38 | 1.46 | ppb |
| Zirconium | 90-1 | 503.04 | 519.31 | 513.54 | 511.96 | 1.61 | ppb |
| Zirconium | 91-1 | 482.92 | 500.78 | 496.55 | 493.41 | 1.89 | ppb |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB040 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB040 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 20:03:55 | DataFile Name : | 142CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4.97 | 5.09 | 6.52 | 5.53 | 15.57 | ppb |
| Antimony | 121-1 | 0.35 | 0.32 | 0.36 | 0.35 | 5.22 | ppb |
| Arsenic | 75-2 | 0.03 | 0.11 | 0.04 | 0.06 | 81.74 | ppb |
| Barium | 135-1 | 0.31 | 0.19 | 0.27 | 0.26 | 22.34 | ppb |
| Barium | 137-1 | 0.28 | 0.28 | 0.24 | 0.27 | 6.96 | ppb |
| Beryllium | 9-1 | 0.05 | 0.11 | 0.05 | 0.07 | 50.37 | ppb |
| Bismuth | 209-1 | | | | 112 | | % |
| Bismuth | 209-2 | | | | 111 | | % |
| Bromine | 81-1 | | | | | | cps |
| Bromine | 81-2 | | | | | | cps |
| Cadmium | 108-1 | 0.00 | -0.10 | -0.03 | -0.04 | | ppb |
| Cadmium | 106-1 | -1.04 | -1.43 | -0.77 | -1.08 | | ppb |
| Cadmium | 111-1 | 0.02 | -0.04 | 0.05 | 0.01 | 371.39 | ppb |
| Calcium | 43-1 | 31.03 | 27.30 | 17.89 | 25.41 | 26.64 | ppb |
| Calcium | 44-1 | 14.98 | 7.96 | 7.84 | 10.26 | 39.87 | ppb |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 0.06 | 0.06 | 0.05 | 0.06 | 1.86 | ppb |
| Cobalt | 59-2 | 0.03 | 0.04 | 0.03 | 0.03 | 11.99 | ppb |
| Copper | 63-2 | 0.36 | 0.37 | 0.33 | 0.35 | 6.12 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 105 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 100 | | % |
| Iron | 56-2 | 12.98 | 12.99 | 12.98 | 12.98 | 0.06 | ppb |
| Iron | 57-2 | 8.94 | 8.61 | 11.22 | 9.59 | 14.85 | ppb |
| Iron | 54-2 | 12.77 | 11.48 | 11.86 | 12.04 | 5.55 | ppb |
| Krypton | 83-1 | | | | | | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB040 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB040 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 20:03:55 | DataFile Name : | 142CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 0.30 | 0.29 | 0.24 | 0.28 | 11.51 | ppb |
| Lead | 207-1 | 0.29 | 0.27 | 0.23 | 0.26 | 11.82 | ppb |
| Lead | 208-1 | 0.29 | 0.27 | 0.25 | 0.27 | 8.33 | ppb |
| Lithium | 6-1 | | | | 108 | | % |
| Magnesium | 24-2 | 24.34 | 23.59 | 23.90 | 23.95 | 1.58 | ppb |
| Manganese | 55-2 | 0.46 | 0.45 | 0.43 | 0.45 | 2.77 | ppb |
| Molybdenum | 94-1 | 0.68 | 0.59 | 0.57 | 0.61 | 9.77 | ppb |
| Molybdenum | 95-1 | 0.74 | 0.62 | 0.60 | 0.65 | 11.86 | ppb |
| Molybdenum | 96-1 | 0.69 | 0.62 | 0.58 | 0.63 | 9.16 | ppb |
| Molybdenum | 97-1 | 0.66 | 0.61 | 0.53 | 0.60 | 10.61 | ppb |
| Molybdenum | 98-1 | 0.69 | 0.58 | 0.57 | 0.62 | 11.05 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.27 | 0.28 | 0.15 | 0.23 | 31.08 | ppb |
| Phosphorus | 31-2 | -19.75 | -21.20 | -24.40 | -21.78 | | ppb |
| Potassium | 39-2 | 4.12 | 5.20 | 2.39 | 3.91 | 36.27 | ppb |
| Rhodium | 103-1 | | | | 99 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 96 | | % |
| Scandium | 45-2 | | | | 91 | | % |
| Selenium | 82-1 | 0.76 | 1.00 | -0.17 | 0.53 | 116.66 | ppb |
| Selenium | 77-2 | 0.39 | -0.37 | -0.37 | -0.12 | | ppb |
| Selenium | 78-2 | -1.92 | -2.58 | -1.03 | -1.84 | | ppb |
| Silicon | 28-1 | -0.85 | -1.39 | -1.06 | -1.10 | | ppb |
| Silver | 107-1 | 0.09 | 0.07 | 0.06 | 0.07 | 24.10 | ppb |
| Silver | 109-1 | 0.08 | 0.07 | 0.06 | 0.07 | 15.86 | ppb |
| Sodium | 23-2 | 36.31 | 34.73 | 34.24 | 35.10 | 3.08 | ppb |
| Strontium | 86-1 | 1.47 | 1.18 | 0.95 | 1.20 | 21.58 | ppb |
| Strontium | 88-1 | 1.41 | 1.18 | 1.09 | 1.22 | 13.44 | ppb |
| Sulfur | 34-1 | -552.07 | -551.54 | -370.56 | -491.39 | | ppb |
| Terbium | 159-1 | | | | 104 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.10 | 0.10 | 0.08 | 0.09 | 8.14 | ppb |
| Thallium | 205-1 | 0.10 | 0.08 | 0.08 | 0.09 | 13.13 | ppb |
| Tin | 118-1 | 0.12 | 0.11 | 0.10 | 0.11 | 9.02 | ppb |
| Titanium | 47-1 | 0.63 | 0.52 | 0.48 | 0.55 | 14.07 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB040 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB040 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 20:03:55 | DataFile Name : | 142CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 0.05 | 0.04 | 0.04 | 0.04 | 21.89 | ppb |
| Vanadium | 51-2 | 0.04 | 0.05 | 0.05 | 0.05 | 11.26 | ppb |
| Yttrium | 89-1 | | | | 97 | | % |
| Yttrium | 89-2 | | | | 98 | | % |
| Zinc | 66-2 | 0.90 | 0.99 | 1.14 | 1.01 | 11.93 | ppb |
| Zirconium | 90-1 | 0.07 | 0.07 | 0.08 | 0.07 | 10.77 | ppb |
| Zirconium | 91-1 | 0.06 | 0.08 | 0.08 | 0.07 | 17.47 | ppb |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S00 | Instrumnet Name : | P7 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:18:29 | DataFile Name : | 004CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 190 | 200 | 277 | 222 | 21.34 | cps |
| Antimony | 121-1 | 30 | 43 | 27 | 33 | 26.45 | cps |
| Arsenic | 75-2 | 7 | 10 | 7 | 8 | 24.71 | cps |
| Barium | 135-1 | 43 | 53 | 40 | 46 | 15.23 | cps |
| Barium | 137-1 | 77 | 77 | 50 | 68 | 22.72 | cps |
| Beryllium | 9-1 | 10 | 23 | 10 | 14 | 53.28 | cps |
| Bismuth | 209-1 | 3413168 | 3312563 | 3259263 | 3328331 | 2.35 | cps |
| Bismuth | 209-2 | 2517669 | 2546793 | 2549595 | 2538019 | 0.70 | cps |
| Bromine | 81-1 | 5925 | 5798 | 5701 | 5808 | 1.93 | cps |
| Bromine | 81-2 | 100 | 83 | 83 | 89 | 10.83 | cps |
| Cadmium | 108-1 | 10 | 10 | 17 | 12 | 31.50 | cps |
| Cadmium | 106-1 | 1233 | 1120 | 1173 | 1176 | 4.82 | cps |
| Cadmium | 111-1 | 866 | 780 | 816 | 821 | 5.26 | cps |
| Calcium | 43-1 | 197 | 213 | 163 | 191 | 13.32 | cps |
| Calcium | 44-1 | 13216 | 13343 | 13196 | 13252 | 0.60 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 667 | 590 | 590 | 616 | 7.19 | cps |
| Cobalt | 59-2 | 87 | 107 | 113 | 102 | 13.57 | cps |
| Copper | 63-2 | 1010 | 997 | 1067 | 1024 | 3.63 | cps |
| Dysprosium | 156-1 | 307 | 287 | 240 | 278 | 12.32 | cps |
| Dysprosium | 156-2 | 90 | 103 | 67 | 87 | 21.41 | cps |
| Erbium | 164-1 | 40 | 33 | 27 | 33 | 20.00 | cps |
| Erbium | 164-2 | 27 | 43 | 17 | 29 | 46.62 | cps |
| Gadolinium | 160-1 | 33 | 17 | 20 | 23 | 37.78 | cps |
| Gadolinium | 160-2 | 170 | 200 | 143 | 171 | 16.57 | cps |
| Holmium | 165-1 | 5655611 | 5598975 | 5488237 | 5580941 | 1.53 | cps |
| Holmium | 165-2 | 3722298 | 3769213 | 3703884 | 3731798 | 0.90 | cps |
| Indium | 115-1 | 4709048 | 4662466 | 4580898 | 4650804 | 1.39 | cps |
| Indium | 115-2 | 1751344 | 1733212 | 1723226 | 1735927 | 0.82 | cps |
| Iron | 56-2 | 10177 | 10184 | 9723 | 10028 | 2.63 | cps |
| Iron | 57-2 | 2930 | 2884 | 2800 | 2871 | 2.29 | cps |
| Iron | 54-2 | 1313 | 1363 | 1293 | 1323 | 2.72 | cps |
| Krypton | 83-1 | 137 | 230 | 200 | 189 | 25.22 | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S00 | Instrumnet Name : | P7 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:18:29 | DataFile Name : | 004CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 130 | 160 | 183 | 158 | 16.95 | cps |
| Lead | 207-1 | 163 | 147 | 187 | 166 | 12.14 | cps |
| Lead | 208-1 | 617 | 697 | 760 | 691 | 10.39 | cps |
| Lithium | 6-1 | 550637 | 539715 | 528106 | 539486 | 2.09 | cps |
| Magnesium | 24-2 | 283 | 330 | 297 | 303 | 7.92 | cps |
| Manganese | 55-2 | 340 | 293 | 367 | 333 | 11.14 | cps |
| Molybdenum | 94-1 | 107 | 110 | 120 | 112 | 6.18 | cps |
| Molybdenum | 95-1 | 17 | 67 | 40 | 41 | 60.85 | cps |
| Molybdenum | 96-1 | 40 | 60 | 53 | 51 | 19.92 | cps |
| Molybdenum | 97-1 | 27 | 23 | 20 | 23 | 14.29 | cps |
| Molybdenum | 98-1 | 60 | 63 | 63 | 62 | 3.09 | cps |
| Neodymium | 150-1 | 0 | 10 | 0 | 3 | 173.21 | cps |
| Neodymium | 150-2 | 0 | 13 | 0 | 4 | 173.21 | cps |
| Nickel | 60-2 | 110 | 90 | 73 | 91 | 20.15 | cps |
| Phosphorus | 31-2 | 147 | 153 | 103 | 134 | 20.20 | cps |
| Potassium | 39-2 | 82013 | 81999 | 81939 | 81984 | 0.05 | cps |
| Rhodium | 103-1 | 4467097 | 4418077 | 4383408 | 4422860 | 0.95 | cps |
| Rhodium | 103-2 | 2907522 | 2930032 | 2917453 | 2918336 | 0.39 | cps |
| Scandium | 45-1 | 2619959 | 2576782 | 2568934 | 2588559 | 1.06 | cps |
| Scandium | 45-2 | 297196 | 299820 | 299016 | 298677 | 0.45 | cps |
| Selenium | 82-1 | 284 | 221 | 216 | 240 | 15.88 | cps |
| Selenium | 77-2 | 3 | 7 | 0 | 3 | 100.05 | cps |
| Selenium | 78-2 | 370 | 323 | 380 | 358 | 8.45 | cps |
| Silicon | 28-1 | 190409 | 191614 | 192046 | 191356 | 0.44 | cps |
| Silver | 107-1 | 43 | 33 | 30 | 36 | 19.51 | cps |
| Silver | 109-1 | 37 | 7 | 17 | 20 | 76.36 | cps |
| Sodium | 23-2 | 31522 | 31152 | 31663 | 31445 | 0.84 | cps |
| Strontium | 86-1 | 320 | 347 | 330 | 332 | 4.05 | cps |
| Strontium | 88-1 | 147 | 90 | 143 | 127 | 25.11 | cps |
| Sulfur | 34-1 | 132639 | 130403 | 132508 | 131850 | 0.95 | cps |
| Terbium | 159-1 | 5900916 | 5734665 | 5659876 | 5765152 | 2.14 | cps |
| Terbium | 159-2 | 3806642 | 3780486 | 3794982 | 3794037 | 0.35 | cps |
| Thallium | 203-1 | 70 | 33 | 60 | 54 | 34.82 | cps |
| Thallium | 205-1 | 160 | 147 | 150 | 152 | 4.56 | cps |
| Tin | 118-1 | 977 | 913 | 887 | 926 | 4.99 | cps |
| Titanium | 47-1 | 77 | 113 | 110 | 100 | 20.28 | cps |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S00 | Instrumnet Name : | P7 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:18:29 | DataFile Name : | 004CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 20 | 37 | 7 | 21 | 71.19 | cps |
| Vanadium | 51-2 | 7 | 10 | 20 | 12 | 56.76 | cps |
| Yttrium | 89-1 | 8007705 | 7959142 | 7754193 | 7907013 | 1.70 | cps |
| Yttrium | 89-2 | 2275808 | 2301174 | 2305233 | 2294072 | 0.70 | cps |
| Zinc | 66-2 | 347 | 413 | 363 | 374 | 9.27 | cps |
| Zirconium | 90-1 | 330 | 223 | 217 | 257 | 24.78 | cps |
| Zirconium | 91-1 | 63 | 73 | 50 | 62 | 18.81 | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S02 | Instrumnet Name : | P7 |
| Client Sample ID : | S02 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:25:05 | DataFile Name : | 006CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2734 | 2857 | 2760 | 2784 | 2.33 | cps |
| Antimony | 121-1 | 9260 | 9777 | 9443 | 9493 | 2.76 | cps |
| Arsenic | 75-2 | 343 | 457 | 360 | 387 | 15.83 | cps |
| Barium | 135-1 | 11124 | 11511 | 11351 | 11329 | 1.72 | cps |
| Barium | 137-1 | 19450 | 19670 | 19430 | 19517 | 0.68 | cps |
| Beryllium | 9-1 | 550 | 520 | 520 | 530 | 3.27 | cps |
| Bismuth | 209-1 | 3152539 | 3204174 | 3194309 | 3183674 | 0.86 | cps |
| Bismuth | 209-2 | 2472299 | 2479808 | 2456455 | 2469521 | 0.48 | cps |
| Bromine | 81-1 | 5058 | 5314 | 5108 | 5160 | 2.64 | cps |
| Bromine | 81-2 | 40 | 43 | 47 | 43 | 7.70 | cps |
| Cadmium | 108-1 | 100 | 93 | 87 | 93 | 7.14 | cps |
| Cadmium | 106-1 | 1257 | 1210 | 1267 | 1245 | 2.43 | cps |
| Cadmium | 111-1 | 1996 | 1888 | 2016 | 1967 | 3.49 | cps |
| Calcium | 43-1 | 6365 | 6388 | 6581 | 6445 | 1.85 | cps |
| Calcium | 44-1 | 113427 | 116355 | 117245 | 115676 | 1.73 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 5971 | 5951 | 5951 | 5958 | 0.19 | cps |
| Cobalt | 59-2 | 4121 | 3984 | 4014 | 4039 | 1.78 | cps |
| Copper | 63-2 | 6365 | 6115 | 6435 | 6305 | 2.67 | cps |
| Dysprosium | 156-1 | 220 | 220 | 300 | 247 | 18.73 | cps |
| Dysprosium | 156-2 | 87 | 67 | 73 | 76 | 13.48 | cps |
| Erbium | 164-1 | 43 | 33 | 47 | 41 | 16.89 | cps |
| Erbium | 164-2 | 30 | 20 | 7 | 19 | 61.96 | cps |
| Gadolinium | 160-1 | 30 | 20 | 33 | 28 | 24.98 | cps |
| Gadolinium | 160-2 | 140 | 130 | 167 | 146 | 13.02 | cps |
| Holmium | 165-1 | 5195849 | 5223338 | 5173393 | 5197527 | 0.48 | cps |
| Holmium | 165-2 | 3594862 | 3567717 | 3710994 | 3624524 | 2.10 | cps |
| Indium | 115-1 | 4266543 | 4340432 | 4375874 | 4327616 | 1.29 | cps |
| Indium | 115-2 | 1669640 | 1681346 | 1697060 | 1682682 | 0.82 | cps |
| Iron | 56-2 | 124511 | 123569 | 124201 | 124094 | 0.39 | cps |
| Iron | 57-2 | 5708 | 5848 | 6085 | 5880 | 3.24 | cps |
| Iron | 54-2 | 8322 | 8106 | 8156 | 8195 | 1.39 | cps |
| Krypton | 83-1 | 143 | 227 | 170 | 180 | 23.64 | cps |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S02 | Instrumnet Name : | P7 |
| Client Sample ID : | S02 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:25:05 | DataFile Name : | 006CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 3167 | 3174 | 3027 | 3123 | 2.65 | cps |
| Lead | 207-1 | 2644 | 2647 | 2717 | 2669 | 1.55 | cps |
| Lead | 208-1 | 12319 | 12506 | 12472 | 12432 | 0.80 | cps |
| Lithium | 6-1 | 492823 | 501057 | 498290 | 497390 | 0.84 | cps |
| Magnesium | 24-2 | 118045 | 116111 | 116990 | 117049 | 0.83 | cps |
| Manganese | 55-2 | 2194 | 2320 | 2200 | 2238 | 3.19 | cps |
| Molybdenum | 94-1 | 10324 | 9910 | 9973 | 10069 | 2.21 | cps |
| Molybdenum | 95-1 | 11701 | 12038 | 11635 | 11791 | 1.83 | cps |
| Molybdenum | 96-1 | 12872 | 13393 | 13580 | 13282 | 2.76 | cps |
| Molybdenum | 97-1 | 7249 | 7295 | 7579 | 7374 | 2.42 | cps |
| Molybdenum | 98-1 | 18515 | 18799 | 19500 | 18938 | 2.68 | cps |
| Neodymium | 150-1 | 10 | 7 | 3 | 7 | 50.03 | cps |
| Neodymium | 150-2 | 7 | 0 | 7 | 4 | 86.60 | cps |
| Nickel | 60-2 | 1180 | 1010 | 1147 | 1112 | 8.10 | cps |
| Phosphorus | 31-2 | 427 | 443 | 413 | 428 | 3.51 | cps |
| Potassium | 39-2 | 237859 | 237054 | 237515 | 237476 | 0.17 | cps |
| Rhodium | 103-1 | 4167780 | 4234503 | 4215432 | 4205905 | 0.82 | cps |
| Rhodium | 103-2 | 2775163 | 2781935 | 2821657 | 2792918 | 0.90 | cps |
| Scandium | 45-1 | 2399057 | 2464040 | 2453291 | 2438796 | 1.43 | cps |
| Scandium | 45-2 | 292075 | 292549 | 290748 | 291791 | 0.32 | cps |
| Selenium | 82-1 | 601 | 515 | 591 | 569 | 8.22 | cps |
| Selenium | 77-2 | 37 | 57 | 47 | 47 | 21.43 | cps |
| Selenium | 78-2 | 493 | 580 | 483 | 519 | 10.24 | cps |
| Silicon | 28-1 | 210372 | 211148 | 212623 | 211381 | 0.54 | cps |
| Silver | 107-1 | 5304 | 5711 | 5504 | 5507 | 3.69 | cps |
| Silver | 109-1 | 5011 | 5451 | 5561 | 5341 | 5.45 | cps |
| Sodium | 23-2 | 224687 | 222564 | 223871 | 223707 | 0.48 | cps |
| Strontium | 86-1 | 1810 | 1930 | 1860 | 1867 | 3.23 | cps |
| Strontium | 88-1 | 13129 | 13750 | 13817 | 13565 | 2.79 | cps |
| Sulfur | 34-1 | 129479 | 129358 | 130730 | 129856 | 0.58 | cps |
| Terbium | 159-1 | 5388755 | 5414385 | 5383629 | 5395590 | 0.31 | cps |
| Terbium | 159-2 | 3670603 | 3617952 | 3660313 | 3649623 | 0.76 | cps |
| Thallium | 203-1 | 3744 | 3794 | 3804 | 3781 | 0.85 | cps |
| Thallium | 205-1 | 8276 | 8583 | 8976 | 8612 | 4.08 | cps |
| Tin | 118-1 | 18859 | 19400 | 19356 | 19205 | 1.56 | cps |
| Titanium | 47-1 | 3010 | 3097 | 3164 | 3090 | 2.49 | cps |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S02 | Instrumnet Name : | P7 |
| Client Sample ID : | S02 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:25:05 | DataFile Name : | 006CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 11031 | 10981 | 11402 | 11138 | 2.06 | cps |
| Vanadium | 51-2 | 11698 | 11755 | 11528 | 11660 | 1.01 | cps |
| Yttrium | 89-1 | 7220824 | 7378236 | 7416481 | 7338514 | 1.41 | cps |
| Yttrium | 89-2 | 2257974 | 2247182 | 2257664 | 2254273 | 0.27 | cps |
| Zinc | 66-2 | 2737 | 2554 | 2720 | 2670 | 3.80 | cps |
| Zirconium | 90-1 | 8226 | 8359 | 8613 | 8399 | 2.34 | cps |
| Zirconium | 91-1 | 1863 | 1953 | 1920 | 1912 | 2.38 | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S03 | Instrumnet Name : | P7 |
| Client Sample ID : | S03 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:28:22 | DataFile Name : | 007CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 140422 | 140022 | 141142 | 140529 | 0.40 | cps |
| Antimony | 121-1 | 249700 | 255808 | 259567 | 255025 | 1.95 | cps |
| Arsenic | 75-2 | 18218 | 18275 | 18091 | 18195 | 0.52 | cps |
| Barium | 135-1 | 303675 | 311284 | 311266 | 308741 | 1.42 | cps |
| Barium | 137-1 | 520503 | 533670 | 539401 | 531191 | 1.82 | cps |
| Beryllium | 9-1 | 27518 | 28523 | 29324 | 28455 | 3.18 | cps |
| Bismuth | 209-1 | 3161509 | 3210376 | 3249045 | 3206977 | 1.37 | cps |
| Bismuth | 209-2 | 2476610 | 2453790 | 2481644 | 2470681 | 0.60 | cps |
| Bromine | 81-1 | 4958 | 5031 | 5188 | 5059 | 2.32 | cps |
| Bromine | 81-2 | 57 | 37 | 50 | 48 | 21.31 | cps |
| Cadmium | 108-1 | 4154 | 4441 | 4801 | 4465 | 7.26 | cps |
| Cadmium | 106-1 | 7285 | 7385 | 7322 | 7331 | 0.69 | cps |
| Cadmium | 111-1 | 61817 | 63109 | 62471 | 62466 | 1.03 | cps |
| Calcium | 43-1 | 72837 | 77651 | 75238 | 75242 | 3.20 | cps |
| Calcium | 44-1 | 1146725 | 1179369 | 1176610 | 1167568 | 1.55 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 137665 | 136289 | 135522 | 136492 | 0.80 | cps |
| Cobalt | 59-2 | 201282 | 200715 | 201171 | 201056 | 0.15 | cps |
| Copper | 63-2 | 1428683 | 1436478 | 1434514 | 1433225 | 0.28 | cps |
| Dysprosium | 156-1 | 237 | 203 | 250 | 230 | 10.45 | cps |
| Dysprosium | 156-2 | 63 | 77 | 57 | 66 | 15.54 | cps |
| Erbium | 164-1 | 30 | 33 | 40 | 34 | 14.78 | cps |
| Erbium | 164-2 | 17 | 33 | 37 | 29 | 37.08 | cps |
| Gadolinium | 160-1 | 30 | 20 | 23 | 24 | 20.83 | cps |
| Gadolinium | 160-2 | 183 | 163 | 150 | 166 | 10.14 | cps |
| Holmium | 165-1 | 5348220 | 5221661 | 5346847 | 5305576 | 1.37 | cps |
| Holmium | 165-2 | 3682952 | 3685335 | 3682933 | 3683740 | 0.04 | cps |
| Indium | 115-1 | 4373602 | 4258052 | 4390488 | 4340714 | 1.66 | cps |
| Indium | 115-2 | 1673121 | 1682184 | 1712888 | 1689398 | 1.23 | cps |
| Iron | 56-2 | 5832517 | 5780305 | 5738519 | 5783780 | 0.81 | cps |
| Iron | 57-2 | 151165 | 151559 | 150983 | 151235 | 0.19 | cps |
| Iron | 54-2 | 339359 | 335631 | 336091 | 337027 | 0.60 | cps |
| Krypton | 83-1 | 203 | 193 | 230 | 209 | 9.07 | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S03 | Instrumnet Name : | P7 |
| Client Sample ID : | S03 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:28:22 | DataFile Name : | 007CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 776797 | 809130 | 799900 | 795276 | 2.09 | cps |
| Lead | 207-1 | 689801 | 709570 | 717146 | 705506 | 2.00 | cps |
| Lead | 208-1 | 3349283 | 3501464 | 3463449 | 3438065 | 2.30 | cps |
| Lithium | 6-1 | 514069 | 493887 | 501767 | 503241 | 2.02 | cps |
| Magnesium | 24-2 | 1143618 | 1129704 | 1146371 | 1139898 | 0.78 | cps |
| Manganese | 55-2 | 975000 | 974490 | 975560 | 975016 | 0.05 | cps |
| Molybdenum | 94-1 | 949895 | 977099 | 981121 | 969372 | 1.75 | cps |
| Molybdenum | 95-1 | 1380605 | 1418836 | 1421346 | 1406929 | 1.62 | cps |
| Molybdenum | 96-1 | 1501006 | 1545037 | 1571633 | 1539225 | 2.32 | cps |
| Molybdenum | 97-1 | 856093 | 884391 | 878235 | 872907 | 1.70 | cps |
| Molybdenum | 98-1 | 2246084 | 2338936 | 2335764 | 2306928 | 2.29 | cps |
| Neodymium | 150-1 | 13 | 10 | 20 | 14 | 35.26 | cps |
| Neodymium | 150-2 | 3 | 7 | 0 | 3 | 100.05 | cps |
| Nickel | 60-2 | 50873 | 51441 | 51455 | 51256 | 0.65 | cps |
| Phosphorus | 31-2 | 8266 | 8062 | 8002 | 8110 | 1.70 | cps |
| Potassium | 39-2 | 917562 | 914063 | 915829 | 915818 | 0.19 | cps |
| Rhodium | 103-1 | 4233310 | 4142760 | 4211695 | 4195922 | 1.13 | cps |
| Rhodium | 103-2 | 2825184 | 2779742 | 2823640 | 2809522 | 0.92 | cps |
| Scandium | 45-1 | 2428991 | 2366320 | 2461195 | 2418835 | 1.99 | cps |
| Scandium | 45-2 | 294625 | 293040 | 293501 | 293722 | 0.28 | cps |
| Selenium | 82-1 | 3808 | 4149 | 4131 | 4030 | 4.76 | cps |
| Selenium | 77-2 | 457 | 480 | 453 | 463 | 3.14 | cps |
| Selenium | 78-2 | 1827 | 1870 | 1937 | 1878 | 2.95 | cps |
| Silicon | 28-1 | 501068 | 514313 | 515539 | 510307 | 1.57 | cps |
| Silver | 107-1 | 308416 | 317752 | 314411 | 313526 | 1.51 | cps |
| Silver | 109-1 | 287732 | 295912 | 296175 | 293273 | 1.64 | cps |
| Sodium | 23-2 | 2037361 | 1965212 | 1995554 | 1999375 | 1.81 | cps |
| Strontium | 86-1 | 2094064 | 2103323 | 2136548 | 2111312 | 1.06 | cps |
| Strontium | 88-1 | 17986558 | 18363676 | 18386088 | 18245440 | 1.23 | cps |
| Sulfur | 34-1 | 146329 | 146881 | 145865 | 146358 | 0.35 | cps |
| Terbium | 159-1 | 5462304 | 5349041 | 5442307 | 5417884 | 1.12 | cps |
| Terbium | 159-2 | 3719648 | 3728774 | 3727141 | 3725188 | 0.13 | cps |
| Thallium | 203-1 | 194754 | 200490 | 199875 | 198373 | 1.59 | cps |
| Thallium | 205-1 | 454725 | 472219 | 474432 | 467125 | 2.31 | cps |
| Tin | 118-1 | 203657 | 208493 | 206986 | 206379 | 1.20 | cps |
| Titanium | 47-1 | 342102 | 352203 | 348986 | 347764 | 1.48 | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S03 | Instrumnet Name : | P7 |
| Client Sample ID : | S03 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:28:22 | DataFile Name : | 007CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 593680 | 610658 | 609803 | 604714 | 1.58 | cps |
| Vanadium | 51-2 | 122710 | 121475 | 120577 | 121587 | 0.88 | cps |
| Yttrium | 89-1 | 7593145 | 7324032 | 7464017 | 7460398 | 1.80 | cps |
| Yttrium | 89-2 | 2246856 | 2213681 | 2250752 | 2237096 | 0.91 | cps |
| Zinc | 66-2 | 235519 | 236532 | 236489 | 236180 | 0.24 | cps |
| Zirconium | 90-1 | 430223 | 441237 | 443649 | 438369 | 1.63 | cps |
| Zirconium | 91-1 | 95478 | 98404 | 97645 | 97176 | 1.56 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S04 | Instrumnet Name : | P7 |
| Client Sample ID : | S04 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:31:33 | DataFile Name : | 008CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 339018 | 338115 | 335713 | 337615 | 0.51 | cps |
| Antimony | 121-1 | 625855 | 641689 | 648003 | 638516 | 1.79 | cps |
| Arsenic | 75-2 | 43972 | 44062 | 43885 | 43973 | 0.20 | cps |
| Barium | 135-1 | 763561 | 783477 | 786446 | 777828 | 1.60 | cps |
| Barium | 137-1 | 1303000 | 1332028 | 1340539 | 1325189 | 1.49 | cps |
| Beryllium | 9-1 | 71614 | 72933 | 74943 | 73163 | 2.29 | cps |
| Bismuth | 209-1 | 3339660 | 3353188 | 3367652 | 3353500 | 0.42 | cps |
| Bismuth | 209-2 | 2528096 | 2574239 | 2564559 | 2555631 | 0.95 | cps |
| Bromine | 81-1 | 5108 | 5291 | 5024 | 5141 | 2.65 | cps |
| Bromine | 81-2 | 20 | 33 | 50 | 34 | 43.64 | cps |
| Cadmium | 108-1 | 10924 | 10717 | 11768 | 11137 | 5.00 | cps |
| Cadmium | 106-1 | 16646 | 16877 | 16459 | 16661 | 1.25 | cps |
| Cadmium | 111-1 | 152132 | 158762 | 157583 | 156159 | 2.27 | cps |
| Calcium | 43-1 | 183380 | 186714 | 187382 | 185825 | 1.15 | cps |
| Calcium | 44-1 | 2713514 | 2808151 | 2728630 | 2750098 | 1.85 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 330883 | 332647 | 329381 | 330971 | 0.49 | cps |
| Cobalt | 59-2 | 486015 | 488464 | 484156 | 486212 | 0.44 | cps |
| Copper | 63-2 | 3616055 | 3683277 | 3617275 | 3638869 | 1.06 | cps |
| Dysprosium | 156-1 | 190 | 257 | 250 | 232 | 15.81 | cps |
| Dysprosium | 156-2 | 133 | 83 | 100 | 106 | 24.12 | cps |
| Erbium | 164-1 | 23 | 47 | 53 | 41 | 38.32 | cps |
| Erbium | 164-2 | 13 | 50 | 33 | 32 | 56.98 | cps |
| Gadolinium | 160-1 | 37 | 37 | 33 | 36 | 5.42 | cps |
| Gadolinium | 160-2 | 143 | 120 | 187 | 150 | 22.55 | cps |
| Holmium | 165-1 | 5361907 | 5468202 | 5372182 | 5400764 | 1.09 | cps |
| Holmium | 165-2 | 3700128 | 3815707 | 3699518 | 3738451 | 1.79 | cps |
| Indium | 115-1 | 4374866 | 4514644 | 4413723 | 4434411 | 1.63 | cps |
| Indium | 115-2 | 1682413 | 1654744 | 1656891 | 1664683 | 0.92 | cps |
| Iron | 56-2 | 14075952 | 14061814 | 13922689 | 14020152 | 0.60 | cps |
| Iron | 57-2 | 370686 | 368848 | 363722 | 367752 | 0.98 | cps |
| Iron | 54-2 | 825550 | 814967 | 813727 | 818081 | 0.79 | cps |
| Krypton | 83-1 | 133 | 213 | 170 | 172 | 23.25 | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S04 | Instrumnet Name : | P7 |
| Client Sample ID : | S04 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:31:33 | DataFile Name : | 008CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 2228089 | 2313443 | 2315919 | 2285817 | 2.19 | cps |
| Lead | 207-1 | 2027416 | 2081705 | 2063468 | 2057530 | 1.34 | cps |
| Lead | 208-1 | 9175073 | 9377321 | 9380297 | 9310897 | 1.26 | cps |
| Lithium | 6-1 | 529901 | 545044 | 550714 | 541886 | 1.99 | cps |
| Magnesium | 24-2 | 2768945 | 2769960 | 2770247 | 2769717 | 0.02 | cps |
| Manganese | 55-2 | 2357008 | 2339380 | 2315916 | 2337435 | 0.88 | cps |
| Molybdenum | 94-1 | 2399448 | 2429142 | 2489785 | 2439459 | 1.89 | cps |
| Molybdenum | 95-1 | 3480220 | 3497544 | 3597228 | 3524997 | 1.79 | cps |
| Molybdenum | 96-1 | 3781899 | 3914492 | 3946790 | 3881060 | 2.25 | cps |
| Molybdenum | 97-1 | 2162864 | 2196615 | 2246622 | 2202034 | 1.91 | cps |
| Molybdenum | 98-1 | 5641661 | 5709977 | 5765590 | 5705742 | 1.09 | cps |
| Neodymium | 150-1 | 33 | 40 | 37 | 37 | 9.10 | cps |
| Neodymium | 150-2 | 3 | 10 | 7 | 7 | 50.03 | cps |
| Nickel | 60-2 | 125137 | 124508 | 123013 | 124219 | 0.88 | cps |
| Phosphorus | 31-2 | 19606 | 19903 | 20080 | 19863 | 1.21 | cps |
| Potassium | 39-2 | 1963476 | 1990403 | 1986084 | 1979987 | 0.73 | cps |
| Rhodium | 103-1 | 4165446 | 4213835 | 4237328 | 4205536 | 0.87 | cps |
| Rhodium | 103-2 | 2812534 | 2816359 | 2834061 | 2820985 | 0.41 | cps |
| Scandium | 45-1 | 2415972 | 2439795 | 2439193 | 2431653 | 0.56 | cps |
| Scandium | 45-2 | 286584 | 287301 | 287726 | 287203 | 0.20 | cps |
| Selenium | 82-1 | 9656 | 9826 | 9874 | 9785 | 1.17 | cps |
| Selenium | 77-2 | 1057 | 1097 | 980 | 1044 | 5.68 | cps |
| Selenium | 78-2 | 4171 | 4047 | 4291 | 4170 | 2.92 | cps |
| Silicon | 28-1 | 952033 | 975955 | 986422 | 971470 | 1.81 | cps |
| Silver | 107-1 | 770154 | 781693 | 784955 | 778934 | 1.00 | cps |
| Silver | 109-1 | 717238 | 736056 | 733203 | 728832 | 1.39 | cps |
| Sodium | 23-2 | 4761167 | 4715258 | 4763573 | 4746666 | 0.57 | cps |
| Strontium | 86-1 | 5035385 | 5176580 | 5178157 | 5130041 | 1.60 | cps |
| Strontium | 88-1 | 44637556 | 45073458 | 44987814 | 44899609 | 0.51 | cps |
| Sulfur | 34-1 | 168046 | 171433 | 170024 | 169834 | 1.00 | cps |
| Terbium | 159-1 | 5541168 | 5607957 | 5646225 | 5598450 | 0.95 | cps |
| Terbium | 159-2 | 3759418 | 3839296 | 3755268 | 3784661 | 1.25 | cps |
| Thallium | 203-1 | 493890 | 505696 | 507496 | 502361 | 1.47 | cps |
| Thallium | 205-1 | 1161084 | 1187826 | 1198314 | 1182408 | 1.62 | cps |
| Tin | 118-1 | 503927 | 522527 | 517148 | 514534 | 1.86 | cps |
| Titanium | 47-1 | 843923 | 868951 | 867654 | 860176 | 1.64 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S04 | Instrumnet Name : | P7 |
| Client Sample ID : | S04 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:31:33 | DataFile Name : | 008CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1532661 | 1561968 | 1784869 | 1626500 | 8.48 | cps |
| Vanadium | 51-2 | 296861 | 294944 | 295124 | 295643 | 0.36 | cps |
| Yttrium | 89-1 | 7503240 | 7464572 | 7537702 | 7501838 | 0.49 | cps |
| Yttrium | 89-2 | 2240498 | 2273102 | 2249595 | 2254398 | 0.75 | cps |
| Zinc | 66-2 | 577763 | 576044 | 573026 | 575611 | 0.42 | cps |
| Zirconium | 90-1 | 1062690 | 1084939 | 1104987 | 1084205 | 1.95 | cps |
| Zirconium | 91-1 | 234949 | 244967 | 244492 | 241469 | 2.34 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S05 | Instrumnet Name : | P7 |
| Client Sample ID : | S05 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:34:33 | DataFile Name : | 009CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 663432 | 662990 | 660895 | 662439 | 0.20 | cps |
| Antimony | 121-1 | 1259692 | 1296110 | 1304208 | 1286670 | 1.84 | cps |
| Arsenic | 75-2 | 87855 | 86681 | 86262 | 86933 | 0.95 | cps |
| Barium | 135-1 | 1649832 | 1669059 | 1711144 | 1676678 | 1.87 | cps |
| Barium | 137-1 | 2849058 | 2888027 | 2913195 | 2883426 | 1.12 | cps |
| Beryllium | 9-1 | 149357 | 151995 | 153391 | 151581 | 1.35 | cps |
| Bismuth | 209-1 | 3399120 | 3412065 | 3475666 | 3428950 | 1.19 | cps |
| Bismuth | 209-2 | 2657568 | 2607211 | 2599857 | 2621545 | 1.20 | cps |
| Bromine | 81-1 | 5038 | 4911 | 4797 | 4915 | 2.44 | cps |
| Bromine | 81-2 | 40 | 40 | 33 | 38 | 10.19 | cps |
| Cadmium | 108-1 | 22013 | 22771 | 22291 | 22358 | 1.71 | cps |
| Cadmium | 106-1 | 32206 | 32924 | 32694 | 32608 | 1.12 | cps |
| Cadmium | 111-1 | 309162 | 314311 | 314129 | 312534 | 0.93 | cps |
| Calcium | 43-1 | 359766 | 374417 | 374448 | 369544 | 2.29 | cps |
| Calcium | 44-1 | 5421571 | 5485342 | 5488233 | 5465049 | 0.69 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 649863 | 648851 | 638704 | 645806 | 0.96 | cps |
| Cobalt | 59-2 | 956566 | 957903 | 956687 | 957052 | 0.08 | cps |
| Copper | 63-2 | 7067558 | 7070293 | 6993662 | 7043838 | 0.62 | cps |
| Dysprosium | 156-1 | 227 | 270 | 237 | 244 | 9.28 | cps |
| Dysprosium | 156-2 | 163 | 120 | 140 | 141 | 15.37 | cps |
| Erbium | 164-1 | 37 | 67 | 47 | 50 | 30.55 | cps |
| Erbium | 164-2 | 40 | 17 | 30 | 29 | 40.51 | cps |
| Gadolinium | 160-1 | 43 | 27 | 53 | 41 | 32.76 | cps |
| Gadolinium | 160-2 | 150 | 160 | 170 | 160 | 6.25 | cps |
| Holmium | 165-1 | 5569275 | 5526001 | 5578558 | 5557945 | 0.50 | cps |
| Holmium | 165-2 | 3907705 | 3796435 | 3827088 | 3843743 | 1.50 | cps |
| Indium | 115-1 | 4399490 | 4443386 | 4464804 | 4435893 | 0.75 | cps |
| Indium | 115-2 | 1693177 | 1714990 | 1674897 | 1694355 | 1.18 | cps |
| Iron | 56-2 | 27708305 | 27713628 | 27642754 | 27688229 | 0.14 | cps |
| Iron | 57-2 | 722011 | 718032 | 714703 | 718249 | 0.51 | cps |
| Iron | 54-2 | 1563905 | 1538630 | 1539591 | 1547376 | 0.93 | cps |
| Krypton | 83-1 | 180 | 180 | 180 | 180 | 0.00 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S05 | Instrumnet Name : | P7 |
| Client Sample ID : | S05 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:34:33 | DataFile Name : | 009CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 4564372 | 4790286 | 4797556 | 4717405 | 2.81 | cps |
| Lead | 207-1 | 4106764 | 4309004 | 4295320 | 4237029 | 2.67 | cps |
| Lead | 208-1 | 18637612 | 19248295 | 19306719 | 19064209 | 1.94 | cps |
| Lithium | 6-1 | 562015 | 588023 | 586116 | 578718 | 2.50 | cps |
| Magnesium | 24-2 | 5488870 | 5466787 | 5390284 | 5448647 | 0.95 | cps |
| Manganese | 55-2 | 4691311 | 4640624 | 4568640 | 4633525 | 1.33 | cps |
| Molybdenum | 94-1 | 4839429 | 4963459 | 4852064 | 4884984 | 1.40 | cps |
| Molybdenum | 95-1 | 7036473 | 7110506 | 7088101 | 7078360 | 0.54 | cps |
| Molybdenum | 96-1 | 7639572 | 7842310 | 7865451 | 7782444 | 1.60 | cps |
| Molybdenum | 97-1 | 4381495 | 4539100 | 4518946 | 4479847 | 1.91 | cps |
| Molybdenum | 98-1 | 11351900 | 11638000 | 11594778 | 11528226 | 1.34 | cps |
| Neodymium | 150-1 | 53 | 40 | 43 | 46 | 15.23 | cps |
| Neodymium | 150-2 | 17 | 10 | 20 | 16 | 32.73 | cps |
| Nickel | 60-2 | 242600 | 240958 | 242121 | 241893 | 0.35 | cps |
| Phosphorus | 31-2 | 38843 | 38736 | 38549 | 38709 | 0.38 | cps |
| Potassium | 39-2 | 3765002 | 3758591 | 3731030 | 3751541 | 0.48 | cps |
| Rhodium | 103-1 | 4155147 | 4240820 | 4258066 | 4218011 | 1.31 | cps |
| Rhodium | 103-2 | 2832342 | 2816060 | 2789444 | 2812616 | 0.77 | cps |
| Scandium | 45-1 | 2439557 | 2460032 | 2451735 | 2450441 | 0.42 | cps |
| Scandium | 45-2 | 285094 | 285310 | 279871 | 283425 | 1.09 | cps |
| Selenium | 82-1 | 18676 | 19235 | 19356 | 19089 | 1.90 | cps |
| Selenium | 77-2 | 2260 | 2304 | 2224 | 2262 | 1.77 | cps |
| Selenium | 78-2 | 7602 | 7825 | 7475 | 7634 | 2.32 | cps |
| Silicon | 28-1 | 1710442 | 1778649 | 1728107 | 1739066 | 2.04 | cps |
| Silver | 107-1 | 1566307 | 1619702 | 1632925 | 1606311 | 2.20 | cps |
| Silver | 109-1 | 1452142 | 1470531 | 1467468 | 1463381 | 0.67 | cps |
| Sodium | 23-2 | 9427500 | 9481993 | 9372787 | 9427426 | 0.58 | cps |
| Strontium | 86-1 | 10186518 | 10462064 | 10343750 | 10330777 | 1.34 | cps |
| Strontium | 88-1 | 89170339 | 90634925 | 90386135 | 90063800 | 0.87 | cps |
| Sulfur | 34-1 | 211486 | 209236 | 210678 | 210466 | 0.54 | cps |
| Terbium | 159-1 | 5729989 | 5694257 | 5809003 | 5744416 | 1.02 | cps |
| Terbium | 159-2 | 3934101 | 3862635 | 3885956 | 3894231 | 0.94 | cps |
| Thallium | 203-1 | 1015065 | 1043874 | 1048429 | 1035789 | 1.75 | cps |
| Thallium | 205-1 | 2687090 | 2769958 | 2789051 | 2748699 | 1.97 | cps |
| Tin | 118-1 | 1014645 | 1034173 | 1040471 | 1029763 | 1.31 | cps |
| Titanium | 47-1 | 1714907 | 1743316 | 1710604 | 1722942 | 1.03 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S05 | Instrumnet Name : | P7 |
| Client Sample ID : | S05 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:34:33 | DataFile Name : | 009CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 3661537 | 3742663 | 3749324 | 3717842 | 1.31 | cps |
| Vanadium | 51-2 | 584121 | 579824 | 579684 | 581210 | 0.43 | cps |
| Yttrium | 89-1 | 7535437 | 7557591 | 7505832 | 7532953 | 0.34 | cps |
| Yttrium | 89-2 | 2223625 | 2247263 | 2229413 | 2233434 | 0.55 | cps |
| Zinc | 66-2 | 1135855 | 1132793 | 1126871 | 1131839 | 0.40 | cps |
| Zirconium | 90-1 | 2222826 | 2212800 | 2213507 | 2216378 | 0.25 | cps |
| Zirconium | 91-1 | 473381 | 480769 | 483415 | 479189 | 1.09 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S06 | Instrumnet Name : | P7 |
| Client Sample ID : | S06 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:37:28 | DataFile Name : | 010CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1310692 | 1274223 | 1286305 | 1290407 | 1.44 | cps |
| Antimony | 121-1 | 2659955 | 2700923 | 2761655 | 2707511 | 1.89 | cps |
| Arsenic | 75-2 | 171144 | 169997 | 170106 | 170416 | 0.37 | cps |
| Barium | 135-1 | 3326173 | 3396593 | 3412199 | 3378322 | 1.36 | cps |
| Barium | 137-1 | 5794423 | 5904770 | 5887524 | 5862239 | 1.01 | cps |
| Beryllium | 9-1 | 300138 | 313343 | 311816 | 308432 | 2.34 | cps |
| Bismuth | 209-1 | 3425510 | 3504949 | 3557062 | 3495840 | 1.90 | cps |
| Bismuth | 209-2 | 2615570 | 2684124 | 2636459 | 2645384 | 1.33 | cps |
| Bromine | 81-1 | 4914 | 5011 | 4891 | 4939 | 1.29 | cps |
| Bromine | 81-2 | 63 | 50 | 50 | 54 | 14.14 | cps |
| Cadmium | 108-1 | 43819 | 44020 | 44481 | 44107 | 0.77 | cps |
| Cadmium | 106-1 | 61687 | 64335 | 64285 | 63435 | 2.39 | cps |
| Cadmium | 111-1 | 603571 | 624563 | 622807 | 616980 | 1.89 | cps |
| Calcium | 43-1 | 713976 | 741346 | 739980 | 731767 | 2.11 | cps |
| Calcium | 44-1 | 10353112 | 10917679 | 10913978 | 10728256 | 3.03 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1270855 | 1259218 | 1246688 | 1258920 | 0.96 | cps |
| Cobalt | 59-2 | 1948648 | 1881517 | 1911955 | 1914040 | 1.76 | cps |
| Copper | 63-2 | 13717654 | 13651616 | 13787245 | 13718838 | 0.49 | cps |
| Dysprosium | 156-1 | 270 | 270 | 277 | 272 | 1.41 | cps |
| Dysprosium | 156-2 | 210 | 187 | 243 | 213 | 13.35 | cps |
| Erbium | 164-1 | 53 | 43 | 50 | 49 | 10.42 | cps |
| Erbium | 164-2 | 43 | 73 | 27 | 48 | 49.49 | cps |
| Gadolinium | 160-1 | 43 | 63 | 40 | 49 | 25.81 | cps |
| Gadolinium | 160-2 | 177 | 177 | 147 | 167 | 10.39 | cps |
| Holmium | 165-1 | 5610775 | 5771743 | 5644764 | 5675760 | 1.49 | cps |
| Holmium | 165-2 | 3958584 | 3872458 | 3881799 | 3904280 | 1.21 | cps |
| Indium | 115-1 | 4389403 | 4423760 | 4452981 | 4422048 | 0.72 | cps |
| Indium | 115-2 | 1672971 | 1645810 | 1664177 | 1660986 | 0.83 | cps |
| Iron | 56-2 | 54686029 | 54323361 | 53992743 | 54334044 | 0.64 | cps |
| Iron | 57-2 | 1355648 | 1356163 | 1340859 | 1350890 | 0.64 | cps |
| Iron | 54-2 | 3035511 | 3023645 | 3024131 | 3027762 | 0.22 | cps |
| Krypton | 83-1 | 207 | 177 | 143 | 176 | 18.04 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S06 | Instrumnet Name : | P7 |
| Client Sample ID : | S06 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:37:28 | DataFile Name : | 010CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 9517383 | 9571590 | 10017090 | 9702021 | 2.83 | cps |
| Lead | 207-1 | 8502742 | 8603401 | 8883444 | 8663196 | 2.28 | cps |
| Lead | 208-1 | 38368935 | 39050267 | 39957419 | 39125540 | 2.04 | cps |
| Lithium | 6-1 | 609267 | 626600 | 626151 | 620673 | 1.59 | cps |
| Magnesium | 24-2 | 10816679 | 10759005 | 10862302 | 10812662 | 0.48 | cps |
| Manganese | 55-2 | 9117655 | 8954125 | 8918280 | 8996687 | 1.18 | cps |
| Molybdenum | 94-1 | 9611620 | 9898890 | 9799411 | 9769974 | 1.49 | cps |
| Molybdenum | 95-1 | 13944235 | 14335251 | 14393271 | 14224252 | 1.72 | cps |
| Molybdenum | 96-1 | 15240823 | 15730196 | 15679122 | 15550047 | 1.73 | cps |
| Molybdenum | 97-1 | 8735369 | 8888575 | 9038728 | 8887557 | 1.71 | cps |
| Molybdenum | 98-1 | 22647761 | 23292960 | 23158924 | 23033215 | 1.48 | cps |
| Neodymium | 150-1 | 97 | 123 | 107 | 109 | 12.37 | cps |
| Neodymium | 150-2 | 30 | 43 | 23 | 32 | 31.61 | cps |
| Nickel | 60-2 | 473432 | 467050 | 470004 | 470162 | 0.68 | cps |
| Phosphorus | 31-2 | 74999 | 75874 | 74510 | 75128 | 0.92 | cps |
| Potassium | 39-2 | 7279661 | 7324714 | 7216103 | 7273493 | 0.75 | cps |
| Rhodium | 103-1 | 4171938 | 4213414 | 4178131 | 4187828 | 0.53 | cps |
| Rhodium | 103-2 | 2743459 | 2745319 | 2747424 | 2745401 | 0.07 | cps |
| Scandium | 45-1 | 2397235 | 2451329 | 2441687 | 2430084 | 1.19 | cps |
| Scandium | 45-2 | 276367 | 278306 | 276636 | 277103 | 0.38 | cps |
| Selenium | 82-1 | 37219 | 37758 | 37877 | 37618 | 0.93 | cps |
| Selenium | 77-2 | 4407 | 4527 | 4511 | 4482 | 1.45 | cps |
| Selenium | 78-2 | 14878 | 15271 | 14444 | 14864 | 2.78 | cps |
| Silicon | 28-1 | 3129474 | 3153911 | 3188694 | 3157360 | 0.94 | cps |
| Silver | 107-1 | 3153881 | 3206908 | 3228281 | 3196357 | 1.20 | cps |
| Silver | 109-1 | 3017100 | 3053524 | 3046428 | 3039017 | 0.64 | cps |
| Sodium | 23-2 | 18650518 | 18612656 | 18697209 | 18653461 | 0.23 | cps |
| Strontium | 86-1 | 20170863 | 20935871 | 20692936 | 20599890 | 1.90 | cps |
| Strontium | 88-1 | 176282771 | 181511991 | 180658817 | 179484526 | 1.56 | cps |
| Sulfur | 34-1 | 281910 | 284660 | 283234 | 283268 | 0.49 | cps |
| Terbium | 159-1 | 5816476 | 5876243 | 5856959 | 5849893 | 0.52 | cps |
| Terbium | 159-2 | 3883346 | 3937049 | 3865752 | 3895382 | 0.95 | cps |
| Thallium | 203-1 | 2368516 | 2426786 | 2504840 | 2433381 | 2.81 | cps |
| Thallium | 205-1 | 5550686 | 5733120 | 5822074 | 5701960 | 2.43 | cps |
| Tin | 118-1 | 2161610 | 2212235 | 2205256 | 2193034 | 1.25 | cps |
| Titanium | 47-1 | 3267750 | 3423825 | 3392343 | 3361306 | 2.46 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S06 | Instrumnet Name : | P7 |
| Client Sample ID : | S06 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:37:28 | DataFile Name : | 010CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7510182 | 7819739 | 7934849 | 7754923 | 2.83 | cps |
| Vanadium | 51-2 | 1135796 | 1139690 | 1131429 | 1135638 | 0.36 | cps |
| Yttrium | 89-1 | 7564177 | 7661451 | 7551901 | 7592510 | 0.79 | cps |
| Yttrium | 89-2 | 2226543 | 2227897 | 2176138 | 2210193 | 1.33 | cps |
| Zinc | 66-2 | 2304785 | 2227264 | 2260327 | 2264126 | 1.72 | cps |
| Zirconium | 90-1 | 4316687 | 4415748 | 4392686 | 4375040 | 1.18 | cps |
| Zirconium | 91-1 | 938413 | 973949 | 980128 | 964164 | 2.34 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S07 | Instrumnet Name : | P7 |
| Client Sample ID : | S07 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:40:14 | DataFile Name : | 011CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2557746 | 2579195 | 2540165 | 2559036 | 0.76 | cps |
| Antimony | 121-1 | 5408840 | 5551490 | 5498645 | 5486325 | 1.31 | cps |
| Arsenic | 75-2 | 342086 | 341182 | 342587 | 341952 | 0.21 | cps |
| Barium | 135-1 | 6792339 | 6850894 | 6815886 | 6819707 | 0.43 | cps |
| Barium | 137-1 | 11766665 | 11845359 | 11896875 | 11836300 | 0.55 | cps |
| Beryllium | 9-1 | 622826 | 636302 | 643235 | 634121 | 1.64 | cps |
| Bismuth | 209-1 | 3576105 | 3565428 | 3597937 | 3579823 | 0.46 | cps |
| Bismuth | 209-2 | 2652097 | 2629773 | 2655986 | 2645952 | 0.53 | cps |
| Bromine | 81-1 | 4817 | 4727 | 4627 | 4724 | 2.01 | cps |
| Bromine | 81-2 | 47 | 40 | 30 | 39 | 21.57 | cps |
| Cadmium | 108-1 | 88501 | 89400 | 89299 | 89067 | 0.55 | cps |
| Cadmium | 106-1 | 123181 | 127554 | 127184 | 125973 | 1.93 | cps |
| Cadmium | 111-1 | 1217065 | 1245798 | 1248670 | 1237178 | 1.41 | cps |
| Calcium | 43-1 | 1383441 | 1404859 | 1438221 | 1408840 | 1.96 | cps |
| Calcium | 44-1 | 21373831 | 21603034 | 21484784 | 21487216 | 0.53 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 2508459 | 2508716 | 2502662 | 2506612 | 0.14 | cps |
| Cobalt | 59-2 | 3801550 | 3764326 | 3741782 | 3769219 | 0.80 | cps |
| Copper | 63-2 | 27408875 | 26938479 | 27163023 | 27170125 | 0.87 | cps |
| Dysprosium | 156-1 | 313 | 387 | 363 | 354 | 10.57 | cps |
| Dysprosium | 156-2 | 400 | 353 | 447 | 400 | 11.67 | cps |
| Erbium | 164-1 | 90 | 93 | 93 | 92 | 2.08 | cps |
| Erbium | 164-2 | 63 | 73 | 37 | 58 | 32.80 | cps |
| Gadolinium | 160-1 | 90 | 87 | 70 | 82 | 13.03 | cps |
| Gadolinium | 160-2 | 243 | 183 | 173 | 200 | 18.93 | cps |
| Holmium | 165-1 | 5777061 | 5820944 | 5814672 | 5804226 | 0.41 | cps |
| Holmium | 165-2 | 3953971 | 3981784 | 3924690 | 3953482 | 0.72 | cps |
| Indium | 115-1 | 4391374 | 4415780 | 4428149 | 4411768 | 0.42 | cps |
| Indium | 115-2 | 1650623 | 1629653 | 1632865 | 1637714 | 0.69 | cps |
| Iron | 56-2 | 108003155 | 109258668 | 107710375 | 108324066 | 0.76 | cps |
| Iron | 57-2 | 2737334 | 2719378 | 2720068 | 2725593 | 0.37 | cps |
| Iron | 54-2 | 6096016 | 6085382 | 6011508 | 6064302 | 0.76 | cps |
| Krypton | 83-1 | 183 | 177 | 190 | 183 | 3.64 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S07 | Instrumnet Name : | P7 |
| Client Sample ID : | S07 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:40:14 | DataFile Name : | 011CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 19956766 | 20032049 | 19888813 | 19959209 | 0.36 | cps |
| Lead | 207-1 | 17527981 | 17861354 | 17722959 | 17704098 | 0.95 | cps |
| Lead | 208-1 | 79669954 | 80334503 | 81003447 | 80335968 | 0.83 | cps |
| Lithium | 6-1 | 621942 | 632747 | 630135 | 628275 | 0.90 | cps |
| Magnesium | 24-2 | 21714599 | 21967011 | 21490866 | 21724158 | 1.10 | cps |
| Manganese | 55-2 | 18004347 | 18080277 | 18074891 | 18053172 | 0.23 | cps |
| Molybdenum | 94-1 | 19547549 | 19972103 | 19760953 | 19760202 | 1.07 | cps |
| Molybdenum | 95-1 | 28291548 | 29008625 | 28658620 | 28652931 | 1.25 | cps |
| Molybdenum | 96-1 | 30709771 | 31890913 | 31335610 | 31312098 | 1.89 | cps |
| Molybdenum | 97-1 | 17453128 | 18350503 | 17815127 | 17872919 | 2.53 | cps |
| Molybdenum | 98-1 | 45991339 | 47189753 | 46237831 | 46472974 | 1.36 | cps |
| Neodymium | 150-1 | 233 | 213 | 190 | 212 | 10.22 | cps |
| Neodymium | 150-2 | 100 | 53 | 33 | 62 | 54.99 | cps |
| Nickel | 60-2 | 926146 | 923043 | 918399 | 922530 | 0.42 | cps |
| Phosphorus | 31-2 | 152407 | 153104 | 150236 | 151915 | 0.98 | cps |
| Potassium | 39-2 | 14555111 | 14570187 | 14446311 | 14523870 | 0.47 | cps |
| Rhodium | 103-1 | 4148568 | 4174271 | 4130409 | 4151083 | 0.53 | cps |
| Rhodium | 103-2 | 2756004 | 2740108 | 2736862 | 2744325 | 0.37 | cps |
| Scandium | 45-1 | 2403975 | 2421269 | 2420078 | 2415107 | 0.40 | cps |
| Scandium | 45-2 | 280738 | 279064 | 275623 | 278475 | 0.94 | cps |
| Selenium | 82-1 | 73151 | 76026 | 74863 | 74680 | 1.94 | cps |
| Selenium | 77-2 | 8829 | 8546 | 8646 | 8674 | 1.66 | cps |
| Selenium | 78-2 | 29326 | 28568 | 29747 | 29213 | 2.05 | cps |
| Silicon | 28-1 | 5722548 | 5837350 | 5871293 | 5810397 | 1.34 | cps |
| Silver | 107-1 | 6284399 | 6390711 | 6332488 | 6335866 | 0.84 | cps |
| Silver | 109-1 | 5956436 | 6114367 | 6013114 | 6027972 | 1.33 | cps |
| Sodium | 23-2 | 37735845 | 37604882 | 37494969 | 37611899 | 0.32 | cps |
| Strontium | 86-1 | 40135244 | 41810664 | 41285188 | 41077032 | 2.09 | cps |
| Strontium | 88-1 | 349163688 | 362333261 | 361320061 | 357605670 | 2.05 | cps |
| Sulfur | 34-1 | 431663 | 435508 | 431629 | 432933 | 0.52 | cps |
| Terbium | 159-1 | 5954637 | 5990558 | 5980211 | 5975135 | 0.31 | cps |
| Terbium | 159-2 | 3997792 | 3934795 | 3949930 | 3960839 | 0.83 | cps |
| Thallium | 203-1 | 5019717 | 5046246 | 4983589 | 5016517 | 0.63 | cps |
| Thallium | 205-1 | 11749154 | 11751249 | 11802966 | 11767790 | 0.26 | cps |
| Tin | 118-1 | 4321923 | 4463529 | 4424818 | 4403423 | 1.66 | cps |
| Titanium | 47-1 | 6674686 | 6773182 | 6798344 | 6748738 | 0.97 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S07 | Instrumnet Name : | P7 |
| Client Sample ID : | S07 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:40:14 | DataFile Name : | 011CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 15831930 | 15935055 | 16017208 | 15928064 | 0.58 | cps |
| Vanadium | 51-2 | 2275837 | 2251998 | 2267822 | 2265219 | 0.54 | cps |
| Yttrium | 89-1 | 7553597 | 7640274 | 7515499 | 7569790 | 0.84 | cps |
| Yttrium | 89-2 | 2219843 | 2213583 | 2205253 | 2212893 | 0.33 | cps |
| Zinc | 66-2 | 4480644 | 4494717 | 4498880 | 4491414 | 0.21 | cps |
| Zirconium | 90-1 | 8699280 | 8930092 | 8877861 | 8835745 | 1.37 | cps |
| Zirconium | 91-1 | 1913162 | 2007670 | 1981287 | 1967373 | 2.48 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S08 | Instrumnet Name : | P7 |
| Client Sample ID : | S08 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:43:00 | DataFile Name : | 012CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 13443145 | 13379195 | 13266792 | 13363044 | 0.67 | cps |
| Antimony | 121-1 | 4607 | 4387 | 4184 | 4393 | 4.82 | cps |
| Arsenic | 75-2 | 247 | 217 | 193 | 219 | 12.21 | cps |
| Barium | 135-1 | 2964 | 2914 | 2660 | 2846 | 5.72 | cps |
| Barium | 137-1 | 4844 | 4928 | 4814 | 4862 | 1.21 | cps |
| Beryllium | 9-1 | 103 | 107 | 90 | 100 | 8.82 | cps |
| Bismuth | 209-1 | 3501889 | 3278847 | 3260678 | 3347138 | 4.01 | cps |
| Bismuth | 209-2 | 2492817 | 2484225 | 2487387 | 2488143 | 0.17 | cps |
| Bromine | 81-1 | 5384 | 5018 | 5154 | 5185 | 3.57 | cps |
| Bromine | 81-2 | 63 | 60 | 53 | 59 | 8.65 | cps |
| Cadmium | 108-1 | 53 | 63 | 30 | 49 | 34.99 | cps |
| Cadmium | 106-1 | 1113 | 1227 | 1140 | 1160 | 5.11 | cps |
| Cadmium | 111-1 | 1065 | 1071 | 974 | 1037 | 5.27 | cps |
| Calcium | 43-1 | 6459107 | 6395173 | 6262701 | 6372327 | 1.57 | cps |
| Calcium | 44-1 | 105820708 | 103946295 | 102377182 | 104048062 | 1.66 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 12089 | 8462 | 9775 | 10109 | 18.17 | cps |
| Cobalt | 59-2 | 10063 | 10707 | 10237 | 10336 | 3.22 | cps |
| Copper | 63-2 | 7412 | 7422 | 7459 | 7431 | 0.33 | cps |
| Dysprosium | 156-1 | 390 | 413 | 453 | 419 | 7.65 | cps |
| Dysprosium | 156-2 | 233 | 197 | 233 | 221 | 9.57 | cps |
| Erbium | 164-1 | 247 | 203 | 293 | 248 | 18.17 | cps |
| Erbium | 164-2 | 107 | 207 | 173 | 162 | 31.39 | cps |
| Gadolinium | 160-1 | 177 | 180 | 170 | 176 | 2.90 | cps |
| Gadolinium | 160-2 | 270 | 253 | 243 | 256 | 5.27 | cps |
| Holmium | 165-1 | 5733655 | 5724886 | 5622822 | 5693788 | 1.08 | cps |
| Holmium | 165-2 | 3925891 | 3905837 | 3936166 | 3922632 | 0.39 | cps |
| Indium | 115-1 | 4363595 | 4343202 | 4303223 | 4336673 | 0.71 | cps |
| Indium | 115-2 | 1644548 | 1643292 | 1637515 | 1641785 | 0.23 | cps |
| Iron | 56-2 | 540850845 | 540998845 | 539864499 | 540571396 | 0.11 | cps |
| Iron | 57-2 | 13711663 | 13516599 | 13635928 | 13621396 | 0.72 | cps |
| Iron | 54-2 | 30097305 | 30177415 | 29873200 | 30049307 | 0.52 | cps |
| Krypton | 83-1 | 177 | 167 | 213 | 186 | 13.24 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S08 | Instrumnet Name : | P7 |
| Client Sample ID : | S08 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:43:00 | DataFile Name : | 012CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 4037 | 4054 | 3801 | 3964 | 3.58 | cps |
| Lead | 207-1 | 3397 | 3611 | 3400 | 3469 | 3.52 | cps |
| Lead | 208-1 | 15764 | 15700 | 15374 | 15613 | 1.34 | cps |
| Lithium | 6-1 | 640903 | 618328 | 610399 | 623210 | 2.54 | cps |
| Magnesium | 24-2 | 113105315 | 112309358 | 112884722 | 112766465 | 0.36 | cps |
| Manganese | 55-2 | 9670 | 9566 | 9643 | 9626 | 0.56 | cps |
| Molybdenum | 94-1 | 4854 | 4424 | 4221 | 4500 | 7.19 | cps |
| Molybdenum | 95-1 | 4384 | 4121 | 4024 | 4176 | 4.46 | cps |
| Molybdenum | 96-1 | 8983 | 8953 | 8889 | 8942 | 0.53 | cps |
| Molybdenum | 97-1 | 2627 | 2547 | 2507 | 2560 | 2.39 | cps |
| Molybdenum | 98-1 | 6778 | 6081 | 6135 | 6331 | 6.13 | cps |
| Neodymium | 150-1 | 127 | 100 | 90 | 106 | 17.96 | cps |
| Neodymium | 150-2 | 63 | 47 | 87 | 66 | 30.65 | cps |
| Nickel | 60-2 | 4554 | 4677 | 4451 | 4561 | 2.49 | cps |
| Phosphorus | 31-2 | 177 | 187 | 160 | 174 | 7.72 | cps |
| Potassium | 39-2 | 75138162 | 75035679 | 74303057 | 74825633 | 0.61 | cps |
| Rhodium | 103-1 | 3856128 | 3846443 | 3978469 | 3893680 | 1.89 | cps |
| Rhodium | 103-2 | 2585940 | 2614117 | 2638557 | 2612872 | 1.01 | cps |
| Scandium | 45-1 | 2488872 | 2418788 | 2382352 | 2430004 | 2.23 | cps |
| Scandium | 45-2 | 285270 | 285865 | 284163 | 285100 | 0.30 | cps |
| Selenium | 82-1 | 294 | 335 | 281 | 303 | 9.31 | cps |
| Selenium | 77-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 357 | 337 | 380 | 358 | 6.06 | cps |
| Silicon | 28-1 | 233685 | 230224 | 224336 | 229415 | 2.06 | cps |
| Silver | 107-1 | 900 | 677 | 687 | 754 | 16.72 | cps |
| Silver | 109-1 | 757 | 757 | 617 | 710 | 11.38 | cps |
| Sodium | 23-2 | 190290551 | 192010230 | 190190251 | 190830344 | 0.54 | cps |
| Strontium | 86-1 | 7178 | 6728 | 6762 | 6889 | 3.64 | cps |
| Strontium | 88-1 | 60711 | 56424 | 54356 | 57164 | 5.67 | cps |
| Sulfur | 34-1 | 120487 | 124065 | 129900 | 124817 | 3.81 | cps |
| Terbium | 159-1 | 5916201 | 6015231 | 6139647 | 6023693 | 1.86 | cps |
| Terbium | 159-2 | 3911944 | 3953422 | 3883835 | 3916400 | 0.89 | cps |
| Thallium | 203-1 | 687 | 710 | 707 | 701 | 1.80 | cps |
| Thallium | 205-1 | 1763 | 1573 | 1420 | 1586 | 10.85 | cps |
| Tin | 118-1 | 3370 | 3387 | 3310 | 3356 | 1.20 | cps |
| Titanium | 47-1 | 1033 | 993 | 1007 | 1011 | 2.01 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | S08 | Instrumnet Name : | P7 |
| Client Sample ID : | S08 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:43:00 | DataFile Name : | 012CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 963 | 837 | 727 | 842 | 14.06 | cps |
| Vanadium | 51-2 | 517 | 493 | 577 | 529 | 8.13 | cps |
| Yttrium | 89-1 | 7654278 | 7319435 | 7336291 | 7436668 | 2.54 | cps |
| Yttrium | 89-2 | 2182479 | 2248519 | 2239357 | 2223451 | 1.61 | cps |
| Zinc | 66-2 | 4517 | 4501 | 4571 | 4530 | 0.81 | cps |
| Zirconium | 90-1 | 5061 | 5074 | 4868 | 5001 | 2.31 | cps |
| Zirconium | 91-1 | 1060 | 1113 | 1020 | 1064 | 4.40 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICV007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICV007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:59:56 | DataFile Name : | 013ICV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 65228 | 64729 | 66108 | 65355 | 1.07 | cps |
| Antimony | 121-1 | 978011 | 999299 | 1004911 | 994074 | 1.43 | cps |
| Arsenic | 75-2 | 70490 | 69569 | 70148 | 70069 | 0.66 | cps |
| Barium | 135-1 | 115174 | 118492 | 119080 | 117582 | 1.79 | cps |
| Barium | 137-1 | 200837 | 204229 | 206219 | 203762 | 1.34 | cps |
| Beryllium | 9-1 | 59145 | 60156 | 60404 | 59902 | 1.11 | cps |
| Bismuth | 209-1 | 3285049 | 3224028 | 3207046 | 3238708 | 1.27 | cps |
| Bismuth | 209-2 | 2531186 | 2584525 | 2203542 | 2439751 | 8.46 | cps |
| Bromine | 81-1 | 4787 | 4998 | 4948 | 4911 | 2.23 | cps |
| Bromine | 81-2 | 63 | 50 | 67 | 60 | 14.70 | cps |
| Cadmium | 108-1 | 7802 | 8079 | 7932 | 7938 | 1.74 | cps |
| Cadmium | 106-1 | 11875 | 12095 | 12022 | 11997 | 0.93 | cps |
| Cadmium | 111-1 | 119217 | 123042 | 124851 | 122370 | 2.35 | cps |
| Calcium | 43-1 | 24657 | 26176 | 26022 | 25618 | 3.26 | cps |
| Calcium | 44-1 | 420200 | 434609 | 433190 | 429333 | 1.85 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 263901 | 261847 | 264397 | 263382 | 0.51 | cps |
| Cobalt | 59-2 | 391255 | 386702 | 393862 | 390607 | 0.93 | cps |
| Copper | 63-2 | 266505 | 262631 | 267032 | 265390 | 0.91 | cps |
| Dysprosium | 156-1 | 130 | 223 | 197 | 183 | 26.22 | cps |
| Dysprosium | 156-2 | 53 | 67 | 47 | 56 | 18.33 | cps |
| Erbium | 164-1 | 47 | 37 | 50 | 44 | 15.61 | cps |
| Erbium | 164-2 | 17 | 37 | 17 | 23 | 49.48 | cps |
| Gadolinium | 160-1 | 10 | 17 | 33 | 20 | 60.08 | cps |
| Gadolinium | 160-2 | 123 | 157 | 157 | 146 | 13.22 | cps |
| Holmium | 165-1 | 5270233 | 5342463 | 5298332 | 5303676 | 0.69 | cps |
| Holmium | 165-2 | 3753371 | 3781908 | 3204223 | 3579834 | 9.10 | cps |
| Indium | 115-1 | 4371832 | 4440323 | 4326269 | 4379475 | 1.31 | cps |
| Indium | 115-2 | 1688297 | 1713157 | 1377347 | 1592934 | 11.75 | cps |
| Iron | 56-2 | 4401318 | 4339476 | 4387349 | 4376048 | 0.74 | cps |
| Iron | 57-2 | 114210 | 114478 | 115672 | 114787 | 0.68 | cps |
| Iron | 54-2 | 261010 | 258073 | 261080 | 260054 | 0.66 | cps |
| Krypton | 83-1 | 233 | 167 | 170 | 190 | 19.77 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICV007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICV007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:59:56 | DataFile Name : | 013ICV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 685838 | 699959 | 702917 | 696238 | 1.31 | cps |
| Lead | 207-1 | 580729 | 591467 | 594513 | 588903 | 1.23 | cps |
| Lead | 208-1 | 2680637 | 2727955 | 2755106 | 2721232 | 1.38 | cps |
| Lithium | 6-1 | 560382 | 555366 | 554832 | 556860 | 0.55 | cps |
| Magnesium | 24-2 | 270944 | 269378 | 273581 | 271301 | 0.78 | cps |
| Manganese | 55-2 | 188582 | 185741 | 187877 | 187400 | 0.79 | cps |
| Molybdenum | 94-1 | 407 | 483 | 450 | 447 | 8.61 | cps |
| Molybdenum | 95-1 | 223 | 220 | 197 | 213 | 6.81 | cps |
| Molybdenum | 96-1 | 390 | 423 | 347 | 387 | 9.94 | cps |
| Molybdenum | 97-1 | 100 | 167 | 143 | 137 | 24.75 | cps |
| Molybdenum | 98-1 | 417 | 333 | 407 | 386 | 11.80 | cps |
| Neodymium | 150-1 | 13 | 13 | 13 | 13 | 0.00 | cps |
| Neodymium | 150-2 | 7 | 0 | 3 | 3 | 100.05 | cps |
| Nickel | 60-2 | 100353 | 98038 | 100574 | 99655 | 1.41 | cps |
| Phosphorus | 31-2 | 127 | 130 | 143 | 133 | 6.62 | cps |
| Potassium | 39-2 | 692409 | 686241 | 691266 | 689972 | 0.48 | cps |
| Rhodium | 103-1 | 4149989 | 4189886 | 4099126 | 4146334 | 1.10 | cps |
| Rhodium | 103-2 | 2852519 | 2824061 | 2436772 | 2704451 | 8.59 | cps |
| Scandium | 45-1 | 2395623 | 2480240 | 2412720 | 2429528 | 1.84 | cps |
| Scandium | 45-2 | 286783 | 282571 | 244470 | 271274 | 8.59 | cps |
| Selenium | 82-1 | 15290 | 15853 | 15647 | 15597 | 1.83 | cps |
| Selenium | 77-2 | 1807 | 1887 | 1730 | 1808 | 4.33 | cps |
| Selenium | 78-2 | 6405 | 6632 | 6548 | 6528 | 1.76 | cps |
| Silicon | 28-1 | 185857 | 190727 | 190540 | 189041 | 1.46 | cps |
| Silver | 107-1 | 282457 | 291880 | 295755 | 290031 | 2.36 | cps |
| Silver | 109-1 | 267121 | 277735 | 279627 | 274828 | 2.45 | cps |
| Sodium | 23-2 | 806098 | 796038 | 802483 | 801540 | 0.64 | cps |
| Strontium | 86-1 | 867 | 857 | 813 | 846 | 3.35 | cps |
| Strontium | 88-1 | 4981 | 5134 | 4978 | 5031 | 1.78 | cps |
| Sulfur | 34-1 | 138544 | 139533 | 137955 | 138677 | 0.57 | cps |
| Terbium | 159-1 | 5493080 | 5579623 | 5536586 | 5536430 | 0.78 | cps |
| Terbium | 159-2 | 3800033 | 3703068 | 3283684 | 3595595 | 7.63 | cps |
| Thallium | 203-1 | 842101 | 861655 | 857087 | 853614 | 1.20 | cps |
| Thallium | 205-1 | 2298442 | 2340259 | 2330792 | 2323164 | 0.94 | cps |
| Tin | 118-1 | 1440 | 1413 | 1413 | 1422 | 1.08 | cps |
| Titanium | 47-1 | 163 | 103 | 147 | 138 | 22.48 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICV007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICV007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 12:59:56 | DataFile Name : | 013ICV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 93 | 70 | 73 | 79 | 16.00 | cps |
| Vanadium | 51-2 | 229522 | 226150 | 229371 | 228348 | 0.83 | cps |
| Yttrium | 89-1 | 7401222 | 7365537 | 7404923 | 7390561 | 0.29 | cps |
| Yttrium | 89-2 | 2242943 | 2234955 | 1914311 | 2130737 | 8.80 | cps |
| Zinc | 66-2 | 90230 | 89375 | 90620 | 90075 | 0.71 | cps |
| Zirconium | 90-1 | 793 | 733 | 720 | 749 | 5.22 | cps |
| Zirconium | 91-1 | 237 | 237 | 180 | 218 | 15.02 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICB007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICB007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:04:17 | DataFile Name : | 014CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 260 | 273 | 193 | 242 | 17.69 | cps |
| Antimony | 121-1 | 377 | 400 | 537 | 438 | 19.74 | cps |
| Arsenic | 75-2 | 13 | 20 | 13 | 16 | 24.76 | cps |
| Barium | 135-1 | 77 | 97 | 63 | 79 | 21.27 | cps |
| Barium | 137-1 | 153 | 157 | 123 | 144 | 12.71 | cps |
| Beryllium | 9-1 | 27 | 30 | 17 | 24 | 28.38 | cps |
| Bismuth | 209-1 | 3449235 | 3512337 | 3451670 | 3471081 | 1.03 | cps |
| Bismuth | 209-2 | 2730285 | 2628387 | 2658483 | 2672385 | 1.96 | cps |
| Bromine | 81-1 | 5548 | 5398 | 5661 | 5536 | 2.39 | cps |
| Bromine | 81-2 | 120 | 100 | 97 | 106 | 11.95 | cps |
| Cadmium | 108-1 | 7 | 3 | 7 | 6 | 34.70 | cps |
| Cadmium | 106-1 | 1063 | 1197 | 950 | 1070 | 11.54 | cps |
| Cadmium | 111-1 | 773 | 865 | 697 | 778 | 10.83 | cps |
| Calcium | 43-1 | 177 | 150 | 207 | 178 | 15.95 | cps |
| Calcium | 44-1 | 11725 | 11928 | 11651 | 11768 | 1.22 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 537 | 513 | 507 | 519 | 3.04 | cps |
| Cobalt | 59-2 | 90 | 100 | 93 | 94 | 5.39 | cps |
| Copper | 63-2 | 1123 | 1283 | 1090 | 1166 | 8.87 | cps |
| Dysprosium | 156-1 | 173 | 173 | 150 | 166 | 8.14 | cps |
| Dysprosium | 156-2 | 57 | 63 | 43 | 54 | 18.71 | cps |
| Erbium | 164-1 | 43 | 23 | 47 | 38 | 33.41 | cps |
| Erbium | 164-2 | 7 | 40 | 27 | 24 | 68.62 | cps |
| Gadolinium | 160-1 | 17 | 27 | 13 | 19 | 36.75 | cps |
| Gadolinium | 160-2 | 170 | 107 | 167 | 148 | 24.12 | cps |
| Holmium | 165-1 | 5572954 | 5723361 | 5462808 | 5586374 | 2.34 | cps |
| Holmium | 165-2 | 3872248 | 3819081 | 3789915 | 3827081 | 1.09 | cps |
| Indium | 115-1 | 4625827 | 4697599 | 4574810 | 4632745 | 1.33 | cps |
| Indium | 115-2 | 1726768 | 1728554 | 1750226 | 1735183 | 0.75 | cps |
| Iron | 56-2 | 11334 | 11178 | 10978 | 11163 | 1.60 | cps |
| Iron | 57-2 | 2740 | 2677 | 2874 | 2764 | 3.63 | cps |
| Iron | 54-2 | 1373 | 1470 | 1220 | 1355 | 9.31 | cps |
| Krypton | 83-1 | 133 | 170 | 207 | 170 | 21.57 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICB007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICB007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:04:17 | DataFile Name : | 014CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 487 | 420 | 453 | 453 | 7.35 | cps |
| Lead | 207-1 | 387 | 393 | 377 | 386 | 2.17 | cps |
| Lead | 208-1 | 1737 | 1677 | 1777 | 1730 | 2.91 | cps |
| Lithium | 6-1 | 597851 | 582982 | 587032 | 589288 | 1.30 | cps |
| Magnesium | 24-2 | 757 | 690 | 790 | 746 | 6.83 | cps |
| Manganese | 55-2 | 323 | 350 | 323 | 332 | 4.63 | cps |
| Molybdenum | 94-1 | 190 | 193 | 233 | 206 | 11.73 | cps |
| Molybdenum | 95-1 | 163 | 147 | 153 | 154 | 5.43 | cps |
| Molybdenum | 96-1 | 203 | 190 | 210 | 201 | 5.06 | cps |
| Molybdenum | 97-1 | 127 | 77 | 143 | 116 | 30.02 | cps |
| Molybdenum | 98-1 | 243 | 237 | 233 | 238 | 2.14 | cps |
| Neodymium | 150-1 | 0 | 3 | 7 | 3 | 100.05 | cps |
| Neodymium | 150-2 | 7 | 0 | 3 | 3 | 100.05 | cps |
| Nickel | 60-2 | 77 | 117 | 97 | 97 | 20.69 | cps |
| Phosphorus | 31-2 | 130 | 123 | 127 | 127 | 2.63 | cps |
| Potassium | 39-2 | 79406 | 79921 | 80166 | 79831 | 0.49 | cps |
| Rhodium | 103-1 | 4492818 | 4365284 | 4349686 | 4402596 | 1.78 | cps |
| Rhodium | 103-2 | 2938419 | 2909242 | 2904505 | 2917388 | 0.63 | cps |
| Scandium | 45-1 | 2580692 | 2560638 | 2506866 | 2549399 | 1.50 | cps |
| Scandium | 45-2 | 296685 | 293205 | 291170 | 293687 | 0.95 | cps |
| Selenium | 82-1 | 302 | 207 | 198 | 236 | 24.56 | cps |
| Selenium | 77-2 | 3 | 3 | 3 | 3 | 0.00 | cps |
| Selenium | 78-2 | 277 | 333 | 347 | 319 | 11.66 | cps |
| Silicon | 28-1 | 178255 | 177898 | 180252 | 178802 | 0.71 | cps |
| Silver | 107-1 | 203 | 180 | 147 | 177 | 16.12 | cps |
| Silver | 109-1 | 123 | 127 | 160 | 137 | 14.84 | cps |
| Sodium | 23-2 | 38184 | 37719 | 37068 | 37657 | 1.49 | cps |
| Strontium | 86-1 | 480 | 477 | 437 | 464 | 5.19 | cps |
| Strontium | 88-1 | 1367 | 1323 | 1377 | 1356 | 2.09 | cps |
| Sulfur | 34-1 | 138454 | 138497 | 137653 | 138201 | 0.34 | cps |
| Terbium | 159-1 | 5821565 | 5869990 | 5729463 | 5807006 | 1.23 | cps |
| Terbium | 159-2 | 3891477 | 3879159 | 3891909 | 3887515 | 0.19 | cps |
| Thallium | 203-1 | 297 | 313 | 250 | 287 | 11.45 | cps |
| Thallium | 205-1 | 650 | 683 | 560 | 631 | 10.11 | cps |
| Tin | 118-1 | 1290 | 1367 | 1303 | 1320 | 3.10 | cps |
| Titanium | 47-1 | 87 | 113 | 117 | 106 | 15.58 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICB007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICB007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:04:17 | DataFile Name : | 014CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 70 | 63 | 67 | 67 | 5.00 | cps |
| Vanadium | 51-2 | 17 | 20 | 13 | 17 | 20.01 | cps |
| Yttrium | 89-1 | 7866938 | 7756231 | 7705743 | 7776304 | 1.06 | cps |
| Yttrium | 89-2 | 2323606 | 2287008 | 2289616 | 2300076 | 0.89 | cps |
| Zinc | 66-2 | 413 | 447 | 417 | 426 | 4.31 | cps |
| Zirconium | 90-1 | 300 | 227 | 257 | 261 | 14.12 | cps |
| Zirconium | 91-1 | 63 | 70 | 60 | 64 | 7.90 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICSA007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSA007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:07:36 | DataFile Name : | 015ICSA.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 12260081 | 12271451 | 12238714 | 12256749 | 0.14 | cps |
| Antimony | 121-1 | 5781 | 5705 | 6015 | 5833 | 2.77 | cps |
| Arsenic | 75-2 | 157 | 180 | 127 | 154 | 17.31 | cps |
| Barium | 135-1 | 1823 | 1803 | 2074 | 1900 | 7.92 | cps |
| Barium | 137-1 | 3204 | 3410 | 3247 | 3287 | 3.32 | cps |
| Beryllium | 9-1 | 177 | 197 | 240 | 204 | 15.83 | cps |
| Bismuth | 209-1 | 3277370 | 3319660 | 3293957 | 3296995 | 0.65 | cps |
| Bismuth | 209-2 | 2552550 | 2573278 | 2560645 | 2562158 | 0.41 | cps |
| Bromine | 81-1 | 5198 | 5214 | 5224 | 5212 | 0.26 | cps |
| Bromine | 81-2 | 107 | 97 | 93 | 99 | 7.02 | cps |
| Cadmium | 108-1 | 473 | 453 | 370 | 432 | 12.68 | cps |
| Cadmium | 106-1 | 1077 | 973 | 1017 | 1022 | 5.08 | cps |
| Cadmium | 111-1 | 972 | 951 | 956 | 960 | 1.18 | cps |
| Calcium | 43-1 | 1242424 | 1248147 | 1236713 | 1242428 | 0.46 | cps |
| Calcium | 44-1 | 19939213 | 20223123 | 20223205 | 20128514 | 0.81 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 51906 | 53070 | 51702 | 52226 | 1.41 | cps |
| Cobalt | 59-2 | 4814 | 4797 | 4731 | 4781 | 0.92 | cps |
| Copper | 63-2 | 21773 | 21452 | 21282 | 21502 | 1.16 | cps |
| Dysprosium | 156-1 | 150 | 157 | 127 | 144 | 10.91 | cps |
| Dysprosium | 156-2 | 57 | 77 | 57 | 63 | 18.23 | cps |
| Erbium | 164-1 | 70 | 43 | 73 | 62 | 26.43 | cps |
| Erbium | 164-2 | 50 | 27 | 43 | 40 | 30.04 | cps |
| Gadolinium | 160-1 | 37 | 37 | 43 | 39 | 9.89 | cps |
| Gadolinium | 160-2 | 160 | 153 | 147 | 153 | 4.35 | cps |
| Holmium | 165-1 | 5557798 | 5659233 | 5806780 | 5674604 | 2.21 | cps |
| Holmium | 165-2 | 3921583 | 3849697 | 3952294 | 3907858 | 1.35 | cps |
| Indium | 115-1 | 4337233 | 4448507 | 4492766 | 4426168 | 1.81 | cps |
| Indium | 115-2 | 1667320 | 1650251 | 1650609 | 1656060 | 0.59 | cps |
| Iron | 56-2 | 219815997 | 218900590 | 218089957 | 218935515 | 0.39 | cps |
| Iron | 57-2 | 5501103 | 5471355 | 5515655 | 5496038 | 0.41 | cps |
| Iron | 54-2 | 12246434 | 12069644 | 12089528 | 12135202 | 0.80 | cps |
| Krypton | 83-1 | 160 | 147 | 200 | 169 | 16.43 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICSA007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSA007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:07:36 | DataFile Name : | 015ICSA.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 15269 | 15552 | 16330 | 15717 | 3.50 | cps |
| Lead | 207-1 | 12212 | 12783 | 12996 | 12664 | 3.20 | cps |
| Lead | 208-1 | 57594 | 59006 | 61140 | 59247 | 3.01 | cps |
| Lithium | 6-1 | 567215 | 574874 | 578625 | 573572 | 1.01 | cps |
| Magnesium | 24-2 | 21939201 | 21784282 | 22043527 | 21922337 | 0.60 | cps |
| Manganese | 55-2 | 16509 | 16316 | 16522 | 16449 | 0.70 | cps |
| Molybdenum | 94-1 | 2860993 | 2884728 | 2874787 | 2873503 | 0.41 | cps |
| Molybdenum | 95-1 | 4843179 | 4981576 | 5081342 | 4968699 | 2.41 | cps |
| Molybdenum | 96-1 | 5254597 | 5409297 | 5528776 | 5397557 | 2.55 | cps |
| Molybdenum | 97-1 | 3088312 | 3209744 | 3295365 | 3197807 | 3.25 | cps |
| Molybdenum | 98-1 | 7912034 | 8200253 | 8300994 | 8137761 | 2.48 | cps |
| Neodymium | 150-1 | 27 | 13 | 23 | 21 | 32.88 | cps |
| Neodymium | 150-2 | 17 | 17 | 13 | 16 | 12.40 | cps |
| Nickel | 60-2 | 5371 | 5544 | 5208 | 5374 | 3.13 | cps |
| Phosphorus | 31-2 | 782294 | 785835 | 784105 | 784078 | 0.23 | cps |
| Potassium | 39-2 | 29360345 | 28774781 | 28945667 | 29026931 | 1.04 | cps |
| Rhodium | 103-1 | 4015226 | 4066527 | 4080669 | 4054141 | 0.85 | cps |
| Rhodium | 103-2 | 2703649 | 2717071 | 2757337 | 2726019 | 1.02 | cps |
| Scandium | 45-1 | 2456220 | 2458658 | 2429369 | 2448082 | 0.66 | cps |
| Scandium | 45-2 | 283217 | 282039 | 281956 | 282404 | 0.25 | cps |
| Selenium | 82-1 | 230 | 256 | 220 | 235 | 7.89 | cps |
| Selenium | 77-2 | 3 | 7 | 0 | 3 | 100.05 | cps |
| Selenium | 78-2 | 347 | 380 | 323 | 350 | 8.14 | cps |
| Silicon | 28-1 | 220139 | 222798 | 222800 | 221912 | 0.69 | cps |
| Silver | 107-1 | 470 | 393 | 380 | 414 | 11.72 | cps |
| Silver | 109-1 | 467 | 363 | 300 | 377 | 22.34 | cps |
| Sodium | 23-2 | 37805408 | 37559121 | 37511598 | 37625376 | 0.42 | cps |
| Strontium | 86-1 | 55332 | 55548 | 54885 | 55255 | 0.61 | cps |
| Strontium | 88-1 | 478263 | 484886 | 490891 | 484680 | 1.30 | cps |
| Sulfur | 34-1 | 1648188 | 1703575 | 1672200 | 1674654 | 1.66 | cps |
| Terbium | 159-1 | 5740204 | 5798901 | 5782640 | 5773915 | 0.52 | cps |
| Terbium | 159-2 | 3881150 | 3895570 | 3859481 | 3878734 | 0.47 | cps |
| Thallium | 203-1 | 620 | 660 | 757 | 679 | 10.35 | cps |
| Thallium | 205-1 | 1287 | 1500 | 1470 | 1419 | 8.14 | cps |
| Tin | 118-1 | 1913 | 2140 | 1873 | 1976 | 7.28 | cps |
| Titanium | 47-1 | 1219682 | 1236803 | 1236643 | 1231043 | 0.80 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICSA007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSA007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:07:36 | DataFile Name : | 015ICSA.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 240 | 310 | 303 | 284 | 13.58 | cps |
| Vanadium | 51-2 | 397 | 460 | 417 | 424 | 7.63 | cps |
| Yttrium | 89-1 | 7430028 | 7418176 | 7562090 | 7470098 | 1.07 | cps |
| Yttrium | 89-2 | 2244345 | 2207959 | 2259865 | 2237390 | 1.19 | cps |
| Zinc | 66-2 | 6131 | 6158 | 6088 | 6126 | 0.58 | cps |
| Zirconium | 90-1 | 577 | 443 | 440 | 487 | 16.02 | cps |
| Zirconium | 91-1 | 137 | 143 | 140 | 140 | 2.38 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSAB007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:10:40 | DataFile Name : | 016ICSB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 11564378 | 11565304 | 11495212 | 11541631 | 0.35 | cps |
| Antimony | 121-1 | 109828 | 111071 | 111354 | 110751 | 0.73 | cps |
| Arsenic | 75-2 | 6805 | 7068 | 7108 | 6994 | 2.36 | cps |
| Barium | 135-1 | 26802 | 27026 | 27507 | 27111 | 1.33 | cps |
| Barium | 137-1 | 45934 | 46583 | 45901 | 46139 | 0.83 | cps |
| Beryllium | 9-1 | 12355 | 12609 | 12158 | 12374 | 1.82 | cps |
| Bismuth | 209-1 | 3569737 | 3496312 | 3298868 | 3454972 | 4.05 | cps |
| Bismuth | 209-2 | 2754847 | 2655684 | 2655382 | 2688638 | 2.13 | cps |
| Bromine | 81-1 | 5274 | 5351 | 5444 | 5357 | 1.59 | cps |
| Bromine | 81-2 | 130 | 153 | 120 | 134 | 12.73 | cps |
| Cadmium | 108-1 | 2034 | 2057 | 1930 | 2007 | 3.36 | cps |
| Cadmium | 106-1 | 3360 | 3277 | 3237 | 3292 | 1.91 | cps |
| Cadmium | 111-1 | 25009 | 25241 | 26154 | 25468 | 2.38 | cps |
| Calcium | 43-1 | 1237430 | 1175189 | 1193242 | 1201953 | 2.66 | cps |
| Calcium | 44-1 | 19339363 | 19391450 | 19459381 | 19396731 | 0.31 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 102143 | 100864 | 100072 | 101026 | 1.03 | cps |
| Cobalt | 59-2 | 80424 | 78919 | 78601 | 79315 | 1.23 | cps |
| Copper | 63-2 | 71607 | 71158 | 71175 | 71313 | 0.36 | cps |
| Dysprosium | 156-1 | 167 | 150 | 167 | 161 | 5.97 | cps |
| Dysprosium | 156-2 | 77 | 77 | 57 | 70 | 16.49 | cps |
| Erbium | 164-1 | 80 | 90 | 50 | 73 | 28.39 | cps |
| Erbium | 164-2 | 33 | 40 | 37 | 37 | 9.10 | cps |
| Gadolinium | 160-1 | 27 | 37 | 47 | 37 | 27.27 | cps |
| Gadolinium | 160-2 | 193 | 160 | 160 | 171 | 11.25 | cps |
| Holmium | 165-1 | 5991730 | 5983952 | 5561153 | 5845612 | 4.21 | cps |
| Holmium | 165-2 | 4057693 | 3966343 | 4026086 | 4016707 | 1.15 | cps |
| Indium | 115-1 | 4696488 | 4613746 | 4301298 | 4537177 | 4.59 | cps |
| Indium | 115-2 | 1731989 | 1723967 | 1733432 | 1729796 | 0.29 | cps |
| Iron | 56-2 | 208600237 | 207176770 | 205452524 | 207076510 | 0.76 | cps |
| Iron | 57-2 | 5252953 | 5144833 | 5132045 | 5176610 | 1.28 | cps |
| Iron | 54-2 | 11625957 | 11510156 | 11424172 | 11520095 | 0.88 | cps |
| Krypton | 83-1 | 173 | 193 | 190 | 186 | 5.77 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSAB007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:10:40 | DataFile Name : | 016ICSB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 88754 | 91382 | 90767 | 90301 | 1.52 | cps |
| Lead | 207-1 | 76349 | 76494 | 77010 | 76618 | 0.45 | cps |
| Lead | 208-1 | 348349 | 351101 | 353181 | 350877 | 0.69 | cps |
| Lithium | 6-1 | 603277 | 592448 | 560673 | 585466 | 3.78 | cps |
| Magnesium | 24-2 | 20822374 | 20705882 | 20577847 | 20702034 | 0.59 | cps |
| Manganese | 55-2 | 51230 | 50615 | 50223 | 50690 | 1.00 | cps |
| Molybdenum | 94-1 | 2718289 | 2803108 | 2763261 | 2761553 | 1.54 | cps |
| Molybdenum | 95-1 | 4752477 | 4865552 | 4842081 | 4820037 | 1.24 | cps |
| Molybdenum | 96-1 | 5083141 | 5180103 | 5189770 | 5151005 | 1.14 | cps |
| Molybdenum | 97-1 | 2982700 | 3077151 | 2982684 | 3014179 | 1.81 | cps |
| Molybdenum | 98-1 | 7768566 | 7845592 | 7761055 | 7791737 | 0.60 | cps |
| Neodymium | 150-1 | 37 | 20 | 10 | 22 | 60.63 | cps |
| Neodymium | 150-2 | 23 | 13 | 13 | 17 | 34.65 | cps |
| Nickel | 60-2 | 24009 | 23912 | 24056 | 23993 | 0.31 | cps |
| Phosphorus | 31-2 | 751917 | 743033 | 740820 | 745257 | 0.79 | cps |
| Potassium | 39-2 | 27718436 | 27465705 | 27585885 | 27590008 | 0.46 | cps |
| Rhodium | 103-1 | 4389619 | 4270155 | 3960100 | 4206624 | 5.27 | cps |
| Rhodium | 103-2 | 2884100 | 2833359 | 2862818 | 2860092 | 0.89 | cps |
| Scandium | 45-1 | 2558129 | 2539603 | 2382870 | 2493534 | 3.86 | cps |
| Scandium | 45-2 | 293460 | 291532 | 293765 | 292919 | 0.41 | cps |
| Selenium | 82-1 | 1671 | 1708 | 1830 | 1736 | 4.78 | cps |
| Selenium | 77-2 | 170 | 183 | 203 | 186 | 9.04 | cps |
| Selenium | 78-2 | 943 | 830 | 1003 | 926 | 9.51 | cps |
| Silicon | 28-1 | 221712 | 222770 | 224191 | 222891 | 0.56 | cps |
| Silver | 107-1 | 114951 | 115683 | 117447 | 116027 | 1.11 | cps |
| Silver | 109-1 | 108237 | 110191 | 110749 | 109726 | 1.20 | cps |
| Sodium | 23-2 | 35824259 | 35638619 | 35506374 | 35656417 | 0.45 | cps |
| Strontium | 86-1 | 52704 | 52614 | 54728 | 53349 | 2.24 | cps |
| Strontium | 88-1 | 458823 | 462526 | 464352 | 461900 | 0.61 | cps |
| Sulfur | 34-1 | 1613428 | 1609438 | 1621272 | 1614712 | 0.37 | cps |
| Terbium | 159-1 | 6189838 | 6112739 | 5707607 | 6003395 | 4.31 | cps |
| Terbium | 159-2 | 4039045 | 3985944 | 3967129 | 3997373 | 0.93 | cps |
| Thallium | 203-1 | 96599 | 97005 | 97919 | 97175 | 0.70 | cps |
| Thallium | 205-1 | 230515 | 230267 | 231198 | 230660 | 0.21 | cps |
| Tin | 118-1 | 1833 | 2024 | 1967 | 1941 | 5.03 | cps |
| Titanium | 47-1 | 1179697 | 1186494 | 1201389 | 1189193 | 0.93 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB007 | Instrumnet Name : | P7 |
| Client Sample ID : | ICSAB007 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:10:40 | DataFile Name : | 016ICSB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 287 | 330 | 253 | 290 | 13.26 | cps |
| Vanadium | 51-2 | 46087 | 45117 | 45816 | 45673 | 1.10 | cps |
| Yttrium | 89-1 | 8020388 | 7882229 | 7295764 | 7732794 | 4.98 | cps |
| Yttrium | 89-2 | 2366235 | 2270706 | 2303766 | 2313569 | 2.10 | cps |
| Zinc | 66-2 | 15305 | 15081 | 15521 | 15302 | 1.44 | cps |
| Zirconium | 90-1 | 337 | 447 | 403 | 396 | 14.01 | cps |
| Zirconium | 91-1 | 70 | 63 | 100 | 78 | 25.11 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV035 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV035 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:13:48 | DataFile Name : | 017CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6739725 | 6802531 | 6764292 | 6768850 | 0.47 | cps |
| Antimony | 121-1 | 2675912 | 2769215 | 2764132 | 2736420 | 1.92 | cps |
| Arsenic | 75-2 | 187256 | 187323 | 187944 | 187508 | 0.20 | cps |
| Barium | 135-1 | 3330153 | 3392337 | 3473076 | 3398522 | 2.11 | cps |
| Barium | 137-1 | 5835603 | 5899869 | 5970584 | 5902019 | 1.14 | cps |
| Beryllium | 9-1 | 287835 | 294573 | 296952 | 293120 | 1.61 | cps |
| Bismuth | 209-1 | 3487633 | 3480079 | 3462430 | 3476714 | 0.37 | cps |
| Bismuth | 209-2 | 2540455 | 2567067 | 2408030 | 2505184 | 3.40 | cps |
| Bromine | 81-1 | 5331 | 5581 | 5054 | 5322 | 4.95 | cps |
| Bromine | 81-2 | 80 | 47 | 87 | 71 | 30.13 | cps |
| Cadmium | 108-1 | 45468 | 45026 | 46016 | 45503 | 1.09 | cps |
| Cadmium | 106-1 | 64429 | 66960 | 66541 | 65977 | 2.06 | cps |
| Cadmium | 111-1 | 628832 | 647319 | 647178 | 641109 | 1.66 | cps |
| Calcium | 43-1 | 3155779 | 3271746 | 3254874 | 3227466 | 1.94 | cps |
| Calcium | 44-1 | 51233748 | 52344338 | 52797033 | 52125039 | 1.54 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1293809 | 1294043 | 1307029 | 1298294 | 0.58 | cps |
| Cobalt | 59-2 | 2046330 | 2023792 | 2061372 | 2043831 | 0.93 | cps |
| Copper | 63-2 | 14571865 | 14369259 | 14360251 | 14433792 | 0.83 | cps |
| Dysprosium | 156-1 | 293 | 267 | 330 | 297 | 10.72 | cps |
| Dysprosium | 156-2 | 310 | 250 | 263 | 274 | 11.48 | cps |
| Erbium | 164-1 | 153 | 160 | 163 | 159 | 3.20 | cps |
| Erbium | 164-2 | 107 | 147 | 93 | 116 | 24.02 | cps |
| Gadolinium | 160-1 | 133 | 103 | 113 | 117 | 13.10 | cps |
| Gadolinium | 160-2 | 230 | 257 | 217 | 234 | 8.69 | cps |
| Holmium | 165-1 | 5786402 | 5788594 | 5755120 | 5776705 | 0.32 | cps |
| Holmium | 165-2 | 3873983 | 3962225 | 3715493 | 3850567 | 3.25 | cps |
| Indium | 115-1 | 4460765 | 4522041 | 4534085 | 4505630 | 0.87 | cps |
| Indium | 115-2 | 1687837 | 1668603 | 1559356 | 1638598 | 4.23 | cps |
| Iron | 56-2 | 278183403 | 277542303 | 279130869 | 278285525 | 0.29 | cps |
| Iron | 57-2 | 6975912 | 6954567 | 6974225 | 6968235 | 0.17 | cps |
| Iron | 54-2 | 15507919 | 15517579 | 15306012 | 15443837 | 0.77 | cps |
| Krypton | 83-1 | 223 | 187 | 187 | 199 | 10.64 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV035 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV035 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:13:48 | DataFile Name : | 017CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 9294874 | 9439217 | 9574912 | 9436334 | 1.48 | cps |
| Lead | 207-1 | 8393143 | 8563062 | 8504925 | 8487043 | 1.02 | cps |
| Lead | 208-1 | 37889434 | 38420357 | 38538481 | 38282757 | 0.90 | cps |
| Lithium | 6-1 | 569291 | 578302 | 569346 | 572313 | 0.91 | cps |
| Magnesium | 24-2 | 55295311 | 55857369 | 55369511 | 55507397 | 0.55 | cps |
| Manganese | 55-2 | 9238500 | 9332615 | 9273927 | 9281681 | 0.51 | cps |
| Molybdenum | 94-1 | 9852840 | 10078731 | 10139212 | 10023594 | 1.51 | cps |
| Molybdenum | 95-1 | 14239878 | 14534832 | 14787796 | 14520835 | 1.89 | cps |
| Molybdenum | 96-1 | 15636861 | 15957551 | 16225756 | 15940056 | 1.85 | cps |
| Molybdenum | 97-1 | 8896157 | 9044358 | 9167760 | 9036092 | 1.50 | cps |
| Molybdenum | 98-1 | 22893630 | 23567474 | 23865257 | 23442120 | 2.12 | cps |
| Neodymium | 150-1 | 153 | 133 | 213 | 167 | 24.98 | cps |
| Neodymium | 150-2 | 47 | 57 | 47 | 50 | 11.55 | cps |
| Nickel | 60-2 | 497547 | 496699 | 497741 | 497329 | 0.11 | cps |
| Phosphorus | 31-2 | 78477 | 78805 | 79592 | 78958 | 0.73 | cps |
| Potassium | 39-2 | 37983932 | 38048718 | 38180424 | 38071025 | 0.26 | cps |
| Rhodium | 103-1 | 4126602 | 4168323 | 4206273 | 4167066 | 0.96 | cps |
| Rhodium | 103-2 | 2783427 | 2690455 | 2570500 | 2681461 | 3.98 | cps |
| Scandium | 45-1 | 2528294 | 2527229 | 2544704 | 2533409 | 0.39 | cps |
| Scandium | 45-2 | 295566 | 290873 | 277550 | 287997 | 3.25 | cps |
| Selenium | 82-1 | 39351 | 39944 | 40281 | 39859 | 1.18 | cps |
| Selenium | 77-2 | 4904 | 4731 | 4854 | 4830 | 1.85 | cps |
| Selenium | 78-2 | 16049 | 16316 | 16109 | 16158 | 0.87 | cps |
| Silicon | 28-1 | 14953531 | 15050521 | 14770083 | 14924712 | 0.95 | cps |
| Silver | 107-1 | 3211017 | 3297283 | 3274694 | 3260998 | 1.37 | cps |
| Silver | 109-1 | 3129828 | 3125522 | 3101942 | 3119097 | 0.48 | cps |
| Sodium | 23-2 | 96611439 | 96742412 | 96304012 | 96552621 | 0.23 | cps |
| Strontium | 86-1 | 20466439 | 21210326 | 21250805 | 20975856 | 2.11 | cps |
| Strontium | 88-1 | 179027504 | 182703131 | 187311677 | 183014104 | 2.27 | cps |
| Sulfur | 34-1 | 280440 | 283231 | 283938 | 282536 | 0.65 | cps |
| Terbium | 159-1 | 6007044 | 6046644 | 5981244 | 6011644 | 0.55 | cps |
| Terbium | 159-2 | 3967824 | 3856101 | 3745805 | 3856577 | 2.88 | cps |
| Thallium | 203-1 | 2343702 | 2381531 | 2403540 | 2376258 | 1.27 | cps |
| Thallium | 205-1 | 5585890 | 5542933 | 5775764 | 5634862 | 2.20 | cps |
| Tin | 118-1 | 2062667 | 2106436 | 2158833 | 2109312 | 2.28 | cps |
| Titanium | 47-1 | 3373401 | 3410818 | 3514330 | 3432850 | 2.13 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV035 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV035 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:13:48 | DataFile Name : | 017CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7533352 | 7691286 | 7734213 | 7652951 | 1.38 | cps |
| Vanadium | 51-2 | 1184866 | 1187131 | 1186218 | 1186071 | 0.10 | cps |
| Yttrium | 89-1 | 7775712 | 7881935 | 7811397 | 7823014 | 0.69 | cps |
| Yttrium | 89-2 | 2306391 | 2299528 | 2160227 | 2255382 | 3.66 | cps |
| Zinc | 66-2 | 2414082 | 2447630 | 2409627 | 2423780 | 0.86 | cps |
| Zirconium | 90-1 | 4428959 | 4596274 | 4634860 | 4553364 | 2.40 | cps |
| Zirconium | 91-1 | 975786 | 1009161 | 1010712 | 998553 | 1.98 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB035 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB035 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:16:34 | DataFile Name : | 018CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 537 | 500 | 527 | 521 | 3.64 | cps |
| Antimony | 121-1 | 2057 | 1960 | 1910 | 1976 | 3.77 | cps |
| Arsenic | 75-2 | 13 | 7 | 20 | 13 | 49.99 | cps |
| Barium | 135-1 | 220 | 197 | 147 | 188 | 19.95 | cps |
| Barium | 137-1 | 450 | 297 | 323 | 357 | 22.97 | cps |
| Beryllium | 9-1 | 60 | 47 | 60 | 56 | 13.85 | cps |
| Bismuth | 209-1 | 3699999 | 3629883 | 3616938 | 3648940 | 1.22 | cps |
| Bismuth | 209-2 | 2762668 | 2685518 | 2756591 | 2734926 | 1.57 | cps |
| Bromine | 81-1 | 5281 | 5281 | 5141 | 5234 | 1.54 | cps |
| Bromine | 81-2 | 117 | 117 | 70 | 101 | 26.65 | cps |
| Cadmium | 108-1 | 7 | 7 | 13 | 9 | 43.25 | cps |
| Cadmium | 106-1 | 1297 | 1093 | 1040 | 1143 | 11.85 | cps |
| Cadmium | 111-1 | 986 | 834 | 742 | 854 | 14.45 | cps |
| Calcium | 43-1 | 380 | 423 | 250 | 351 | 25.69 | cps |
| Calcium | 44-1 | 14657 | 13870 | 13466 | 13998 | 4.33 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 610 | 723 | 573 | 636 | 12.30 | cps |
| Cobalt | 59-2 | 117 | 133 | 147 | 132 | 11.37 | cps |
| Copper | 63-2 | 1837 | 1830 | 1717 | 1795 | 3.76 | cps |
| Dysprosium | 156-1 | 167 | 190 | 147 | 168 | 12.93 | cps |
| Dysprosium | 156-2 | 43 | 37 | 53 | 44 | 18.87 | cps |
| Erbium | 164-1 | 27 | 40 | 63 | 43 | 42.82 | cps |
| Erbium | 164-2 | 17 | 37 | 27 | 27 | 37.50 | cps |
| Gadolinium | 160-1 | 30 | 13 | 27 | 23 | 37.81 | cps |
| Gadolinium | 160-2 | 140 | 193 | 213 | 182 | 20.80 | cps |
| Holmium | 165-1 | 5902324 | 5669165 | 5685463 | 5752317 | 2.26 | cps |
| Holmium | 165-2 | 3946251 | 3882371 | 3979897 | 3936173 | 1.26 | cps |
| Indium | 115-1 | 4803702 | 4809596 | 4649816 | 4754371 | 1.91 | cps |
| Indium | 115-2 | 1776834 | 1753853 | 1791583 | 1774090 | 1.07 | cps |
| Iron | 56-2 | 20287 | 19620 | 18909 | 19605 | 3.52 | cps |
| Iron | 57-2 | 2800 | 2984 | 3017 | 2934 | 3.98 | cps |
| Iron | 54-2 | 1753 | 1640 | 1763 | 1719 | 3.99 | cps |
| Krypton | 83-1 | 190 | 197 | 227 | 204 | 9.55 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB035 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB035 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:16:34 | DataFile Name : | 018CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1133 | 930 | 873 | 979 | 13.97 | cps |
| Lead | 207-1 | 943 | 860 | 770 | 858 | 10.11 | cps |
| Lead | 208-1 | 4314 | 3664 | 3444 | 3807 | 11.88 | cps |
| Lithium | 6-1 | 564335 | 563517 | 555376 | 561076 | 0.88 | cps |
| Magnesium | 24-2 | 2534 | 2354 | 2237 | 2375 | 6.29 | cps |
| Manganese | 55-2 | 553 | 503 | 527 | 528 | 4.74 | cps |
| Molybdenum | 94-1 | 997 | 920 | 727 | 881 | 15.79 | cps |
| Molybdenum | 95-1 | 1337 | 1173 | 1120 | 1210 | 9.33 | cps |
| Molybdenum | 96-1 | 1600 | 1297 | 1207 | 1368 | 15.07 | cps |
| Molybdenum | 97-1 | 877 | 717 | 737 | 777 | 11.22 | cps |
| Molybdenum | 98-1 | 2387 | 1994 | 1617 | 1999 | 19.26 | cps |
| Neodymium | 150-1 | 10 | 17 | 7 | 11 | 45.82 | cps |
| Neodymium | 150-2 | 0 | 7 | 3 | 3 | 100.05 | cps |
| Nickel | 60-2 | 107 | 77 | 93 | 92 | 16.30 | cps |
| Phosphorus | 31-2 | 140 | 117 | 157 | 138 | 14.58 | cps |
| Potassium | 39-2 | 86350 | 86249 | 86407 | 86335 | 0.09 | cps |
| Rhodium | 103-1 | 4505012 | 4468992 | 4383653 | 4452553 | 1.40 | cps |
| Rhodium | 103-2 | 2979194 | 2935770 | 2967631 | 2960865 | 0.76 | cps |
| Scandium | 45-1 | 2565375 | 2532302 | 2521077 | 2539584 | 0.91 | cps |
| Scandium | 45-2 | 299101 | 299170 | 295763 | 298011 | 0.65 | cps |
| Selenium | 82-1 | 220 | 227 | 198 | 215 | 6.99 | cps |
| Selenium | 77-2 | 3 | 0 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 337 | 400 | 360 | 366 | 8.76 | cps |
| Silicon | 28-1 | 179955 | 179334 | 178471 | 179254 | 0.42 | cps |
| Silver | 107-1 | 460 | 380 | 293 | 378 | 22.06 | cps |
| Silver | 109-1 | 500 | 370 | 287 | 386 | 27.89 | cps |
| Sodium | 23-2 | 60308 | 59310 | 58139 | 59252 | 1.83 | cps |
| Strontium | 86-1 | 1363 | 1040 | 980 | 1128 | 18.28 | cps |
| Strontium | 88-1 | 9180 | 7275 | 6178 | 7544 | 20.13 | cps |
| Sulfur | 34-1 | 124085 | 125436 | 124381 | 124634 | 0.57 | cps |
| Terbium | 159-1 | 6122729 | 6004377 | 5935128 | 6020745 | 1.58 | cps |
| Terbium | 159-2 | 3966923 | 3939452 | 4010279 | 3972218 | 0.90 | cps |
| Thallium | 203-1 | 517 | 543 | 547 | 536 | 3.07 | cps |
| Thallium | 205-1 | 1273 | 1183 | 1053 | 1170 | 9.45 | cps |
| Tin | 118-1 | 1837 | 1767 | 1733 | 1779 | 2.96 | cps |
| Titanium | 47-1 | 363 | 277 | 250 | 297 | 19.97 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB035 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB035 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:16:34 | DataFile Name : | 018CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 387 | 297 | 273 | 319 | 18.77 | cps |
| Vanadium | 51-2 | 63 | 47 | 50 | 53 | 16.53 | cps |
| Yttrium | 89-1 | 7944421 | 7894765 | 7797344 | 7878843 | 0.95 | cps |
| Yttrium | 89-2 | 2363953 | 2294555 | 2362600 | 2340369 | 1.70 | cps |
| Zinc | 66-2 | 457 | 377 | 467 | 433 | 11.38 | cps |
| Zirconium | 90-1 | 657 | 657 | 623 | 646 | 2.98 | cps |
| Zirconium | 91-1 | 157 | 170 | 180 | 169 | 6.93 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164277BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS277 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:19:54 | DataFile Name : | 019CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 387 | 347 | 317 | 350 | 10.04 | cps |
| Antimony | 121-1 | 447 | 507 | 537 | 497 | 9.23 | cps |
| Arsenic | 75-2 | 20 | 7 | 17 | 14 | 48.02 | cps |
| Barium | 135-1 | 113 | 93 | 130 | 112 | 16.36 | cps |
| Barium | 137-1 | 163 | 157 | 213 | 178 | 17.42 | cps |
| Beryllium | 9-1 | 83 | 30 | 23 | 46 | 72.20 | cps |
| Bismuth | 209-1 | 3665701 | 3633900 | 3577728 | 3625776 | 1.23 | cps |
| Bismuth | 209-2 | 2736549 | 2671287 | 2744853 | 2717563 | 1.48 | cps |
| Bromine | 81-1 | 5161 | 5298 | 5494 | 5318 | 3.15 | cps |
| Bromine | 81-2 | 97 | 80 | 77 | 84 | 12.69 | cps |
| Cadmium | 108-1 | 7 | 10 | 3 | 7 | 50.03 | cps |
| Cadmium | 106-1 | 1130 | 1137 | 1220 | 1162 | 4.31 | cps |
| Cadmium | 111-1 | 840 | 812 | 888 | 847 | 4.56 | cps |
| Calcium | 43-1 | 1027 | 237 | 250 | 505 | 89.70 | cps |
| Calcium | 44-1 | 21385 | 12452 | 11882 | 15240 | 34.97 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 610 | 453 | 560 | 541 | 14.79 | cps |
| Cobalt | 59-2 | 133 | 127 | 107 | 122 | 11.35 | cps |
| Copper | 63-2 | 1547 | 1570 | 1323 | 1480 | 9.20 | cps |
| Dysprosium | 156-1 | 150 | 190 | 130 | 157 | 19.50 | cps |
| Dysprosium | 156-2 | 53 | 53 | 37 | 48 | 20.13 | cps |
| Erbium | 164-1 | 43 | 27 | 47 | 39 | 27.55 | cps |
| Erbium | 164-2 | 33 | 27 | 37 | 32 | 15.80 | cps |
| Gadolinium | 160-1 | 30 | 20 | 20 | 23 | 24.74 | cps |
| Gadolinium | 160-2 | 120 | 167 | 170 | 152 | 18.37 | cps |
| Holmium | 165-1 | 5822927 | 5779368 | 5688190 | 5763495 | 1.19 | cps |
| Holmium | 165-2 | 3927245 | 3862583 | 3973911 | 3921246 | 1.43 | cps |
| Indium | 115-1 | 4780214 | 4769847 | 4723715 | 4757926 | 0.63 | cps |
| Indium | 115-2 | 1758196 | 1767912 | 1762690 | 1762932 | 0.28 | cps |
| Iron | 56-2 | 14073 | 13940 | 14183 | 14066 | 0.87 | cps |
| Iron | 57-2 | 2750 | 2764 | 2924 | 2813 | 3.43 | cps |
| Iron | 54-2 | 1457 | 1537 | 1533 | 1509 | 3.00 | cps |
| Krypton | 83-1 | 213 | 150 | 167 | 177 | 18.58 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164277BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS277 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:19:54 | DataFile Name : | 019CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 640 | 543 | 513 | 566 | 11.70 | cps |
| Lead | 207-1 | 570 | 540 | 503 | 538 | 6.21 | cps |
| Lead | 208-1 | 2543 | 2373 | 2320 | 2412 | 4.84 | cps |
| Lithium | 6-1 | 561440 | 568422 | 559114 | 562992 | 0.86 | cps |
| Magnesium | 24-2 | 1143 | 1237 | 1167 | 1182 | 4.11 | cps |
| Manganese | 55-2 | 377 | 350 | 363 | 363 | 3.67 | cps |
| Molybdenum | 94-1 | 620 | 360 | 393 | 458 | 30.91 | cps |
| Molybdenum | 95-1 | 637 | 397 | 353 | 462 | 33.02 | cps |
| Molybdenum | 96-1 | 633 | 450 | 433 | 506 | 21.95 | cps |
| Molybdenum | 97-1 | 333 | 257 | 217 | 269 | 22.05 | cps |
| Molybdenum | 98-1 | 890 | 547 | 540 | 659 | 30.39 | cps |
| Neodymium | 150-1 | 7 | 3 | 7 | 6 | 34.70 | cps |
| Neodymium | 150-2 | 0 | 3 | 3 | 2 | 86.60 | cps |
| Nickel | 60-2 | 73 | 83 | 113 | 90 | 23.13 | cps |
| Phosphorus | 31-2 | 127 | 120 | 113 | 120 | 5.55 | cps |
| Potassium | 39-2 | 83229 | 82519 | 82545 | 82764 | 0.49 | cps |
| Rhodium | 103-1 | 4472484 | 4513013 | 4464501 | 4483332 | 0.58 | cps |
| Rhodium | 103-2 | 3028302 | 2944963 | 2971509 | 2981591 | 1.43 | cps |
| Scandium | 45-1 | 2581239 | 2570700 | 2570644 | 2574194 | 0.24 | cps |
| Scandium | 45-2 | 296256 | 295427 | 294181 | 295288 | 0.35 | cps |
| Selenium | 82-1 | 252 | 275 | 268 | 265 | 4.38 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 393 | 357 | 323 | 358 | 9.79 | cps |
| Silicon | 28-1 | 172746 | 173471 | 174064 | 173427 | 0.38 | cps |
| Silver | 107-1 | 213 | 167 | 157 | 179 | 16.91 | cps |
| Silver | 109-1 | 167 | 153 | 143 | 154 | 7.58 | cps |
| Sodium | 23-2 | 49008 | 49590 | 49466 | 49354 | 0.62 | cps |
| Strontium | 86-1 | 890 | 593 | 647 | 710 | 22.28 | cps |
| Strontium | 88-1 | 5999 | 2587 | 2520 | 3702 | 53.74 | cps |
| Sulfur | 34-1 | 123954 | 125819 | 125241 | 125005 | 0.76 | cps |
| Terbium | 159-1 | 6006499 | 6075355 | 5927411 | 6003088 | 1.23 | cps |
| Terbium | 159-2 | 3963806 | 3992722 | 3931059 | 3962529 | 0.78 | cps |
| Thallium | 203-1 | 287 | 283 | 220 | 263 | 14.27 | cps |
| Thallium | 205-1 | 700 | 693 | 610 | 668 | 7.51 | cps |
| Tin | 118-1 | 1690 | 1353 | 1443 | 1496 | 11.66 | cps |
| Titanium | 47-1 | 417 | 167 | 180 | 254 | 55.29 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164277BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS277 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:19:54 | DataFile Name : | 019CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 313 | 137 | 103 | 184 | 61.20 | cps |
| Vanadium | 51-2 | 33 | 23 | 43 | 33 | 30.00 | cps |
| Yttrium | 89-1 | 7897569 | 7946344 | 7798681 | 7880865 | 0.95 | cps |
| Yttrium | 89-2 | 2368893 | 2313156 | 2313743 | 2331930 | 1.37 | cps |
| Zinc | 66-2 | 420 | 423 | 373 | 406 | 6.89 | cps |
| Zirconium | 90-1 | 527 | 407 | 370 | 434 | 18.86 | cps |
| Zirconium | 91-1 | 90 | 50 | 70 | 70 | 28.57 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164277BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS277 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:23:11 | DataFile Name : | 020LCSE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5598 | 5598 | 5358 | 5518 | 2.51 | cps |
| Antimony | 121-1 | 20935 | 21089 | 21383 | 21136 | 1.08 | cps |
| Arsenic | 75-2 | 657 | 667 | 697 | 673 | 3.09 | cps |
| Barium | 135-1 | 24438 | 24768 | 24588 | 24598 | 0.67 | cps |
| Barium | 137-1 | 41266 | 42219 | 41183 | 41556 | 1.39 | cps |
| Beryllium | 9-1 | 1150 | 993 | 1217 | 1120 | 10.24 | cps |
| Bismuth | 209-1 | 3672922 | 3605908 | 3607573 | 3628801 | 1.05 | cps |
| Bismuth | 209-2 | 2695466 | 2745449 | 2738464 | 2726460 | 0.99 | cps |
| Bromine | 81-1 | 5154 | 5171 | 5194 | 5173 | 0.39 | cps |
| Bromine | 81-2 | 87 | 73 | 53 | 71 | 23.60 | cps |
| Cadmium | 108-1 | 260 | 257 | 190 | 236 | 16.76 | cps |
| Cadmium | 106-1 | 1570 | 1490 | 1377 | 1479 | 6.57 | cps |
| Cadmium | 111-1 | 4034 | 3980 | 3938 | 3984 | 1.21 | cps |
| Calcium | 43-1 | 13042 | 12759 | 13002 | 12935 | 1.19 | cps |
| Calcium | 44-1 | 219858 | 221311 | 221001 | 220723 | 0.35 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 12275 | 12465 | 12218 | 12320 | 1.05 | cps |
| Cobalt | 59-2 | 7842 | 7902 | 7835 | 7860 | 0.47 | cps |
| Copper | 63-2 | 12819 | 12539 | 13026 | 12794 | 1.91 | cps |
| Dysprosium | 156-1 | 150 | 130 | 190 | 157 | 19.50 | cps |
| Dysprosium | 156-2 | 20 | 57 | 37 | 38 | 48.60 | cps |
| Erbium | 164-1 | 43 | 43 | 33 | 40 | 14.43 | cps |
| Erbium | 164-2 | 33 | 47 | 43 | 41 | 16.89 | cps |
| Gadolinium | 160-1 | 7 | 27 | 37 | 23 | 65.46 | cps |
| Gadolinium | 160-2 | 147 | 143 | 163 | 151 | 7.09 | cps |
| Holmium | 165-1 | 5779082 | 5757274 | 5734951 | 5757102 | 0.38 | cps |
| Holmium | 165-2 | 3955878 | 3988609 | 3882828 | 3942438 | 1.37 | cps |
| Indium | 115-1 | 4795004 | 4790904 | 4642130 | 4742679 | 1.84 | cps |
| Indium | 115-2 | 1775687 | 1747984 | 1767484 | 1763718 | 0.81 | cps |
| Iron | 56-2 | 940436 | 932883 | 929250 | 934190 | 0.61 | cps |
| Iron | 57-2 | 26503 | 26163 | 25639 | 26102 | 1.67 | cps |
| Iron | 54-2 | 53913 | 52448 | 52187 | 52849 | 1.76 | cps |
| Krypton | 83-1 | 173 | 150 | 180 | 168 | 9.39 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164277BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS277 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:23:11 | DataFile Name : | 020LCSE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 7229 | 7509 | 7049 | 7262 | 3.19 | cps |
| Lead | 207-1 | 6265 | 6795 | 6308 | 6456 | 4.56 | cps |
| Lead | 208-1 | 28886 | 29519 | 28282 | 28896 | 2.14 | cps |
| Lithium | 6-1 | 570336 | 568762 | 554632 | 564577 | 1.53 | cps |
| Magnesium | 24-2 | 241980 | 238970 | 239324 | 240091 | 0.69 | cps |
| Manganese | 55-2 | 4211 | 4347 | 4254 | 4271 | 1.64 | cps |
| Molybdenum | 94-1 | 21112 | 21933 | 21329 | 21458 | 1.98 | cps |
| Molybdenum | 95-1 | 26027 | 26361 | 25766 | 26051 | 1.14 | cps |
| Molybdenum | 96-1 | 28595 | 28681 | 28207 | 28494 | 0.89 | cps |
| Molybdenum | 97-1 | 16172 | 16082 | 16286 | 16180 | 0.63 | cps |
| Molybdenum | 98-1 | 40479 | 41138 | 41118 | 40912 | 0.92 | cps |
| Neodymium | 150-1 | 10 | 10 | 7 | 9 | 21.63 | cps |
| Neodymium | 150-2 | 7 | 3 | 3 | 4 | 43.40 | cps |
| Nickel | 60-2 | 2324 | 2327 | 2260 | 2304 | 1.63 | cps |
| Phosphorus | 31-2 | 150 | 120 | 117 | 129 | 14.24 | cps |
| Potassium | 39-2 | 394483 | 394357 | 392800 | 393880 | 0.24 | cps |
| Rhodium | 103-1 | 4479045 | 4436867 | 4370828 | 4428914 | 1.23 | cps |
| Rhodium | 103-2 | 2930892 | 2977808 | 2927717 | 2945472 | 0.95 | cps |
| Scandium | 45-1 | 2603465 | 2578408 | 2549455 | 2577109 | 1.05 | cps |
| Scandium | 45-2 | 298417 | 292789 | 288412 | 293206 | 1.71 | cps |
| Selenium | 82-1 | 1056 | 974 | 1034 | 1021 | 4.19 | cps |
| Selenium | 77-2 | 70 | 127 | 90 | 96 | 30.08 | cps |
| Selenium | 78-2 | 683 | 767 | 620 | 690 | 10.66 | cps |
| Silicon | 28-1 | 213949 | 214892 | 213811 | 214218 | 0.27 | cps |
| Silver | 107-1 | 11992 | 12319 | 12152 | 12154 | 1.34 | cps |
| Silver | 109-1 | 10888 | 11448 | 11391 | 11242 | 2.74 | cps |
| Sodium | 23-2 | 431199 | 431585 | 430257 | 431013 | 0.16 | cps |
| Strontium | 86-1 | 3580 | 3594 | 3747 | 3640 | 2.54 | cps |
| Strontium | 88-1 | 29313 | 29680 | 29657 | 29550 | 0.70 | cps |
| Sulfur | 34-1 | 127335 | 126212 | 126239 | 126595 | 0.51 | cps |
| Terbium | 159-1 | 5999158 | 6033050 | 5884618 | 5972275 | 1.30 | cps |
| Terbium | 159-2 | 3977231 | 3923586 | 3841699 | 3914172 | 1.74 | cps |
| Thallium | 203-1 | 8463 | 8683 | 8323 | 8489 | 2.14 | cps |
| Thallium | 205-1 | 20419 | 20165 | 20182 | 20255 | 0.70 | cps |
| Tin | 118-1 | 1764 | 1654 | 1397 | 1605 | 11.74 | cps |
| Titanium | 47-1 | 6305 | 6288 | 6428 | 6340 | 1.21 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164277BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS277 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:23:11 | DataFile Name : | 020LCSE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 25635 | 25768 | 25531 | 25645 | 0.46 | cps |
| Vanadium | 51-2 | 23498 | 22767 | 23515 | 23260 | 1.84 | cps |
| Yttrium | 89-1 | 7968548 | 7827242 | 7777016 | 7857602 | 1.26 | cps |
| Yttrium | 89-2 | 2312667 | 2324486 | 2278107 | 2305086 | 1.05 | cps |
| Zinc | 66-2 | 5081 | 5221 | 4988 | 5096 | 2.31 | cps |
| Zirconium | 90-1 | 17878 | 18302 | 17928 | 18036 | 1.28 | cps |
| Zirconium | 91-1 | 4074 | 3841 | 4007 | 3974 | 3.03 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164277BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD277 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:26:30 | DataFile Name : | 021LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3044 | 3094 | 2954 | 3030 | 2.34 | cps |
| Antimony | 121-1 | 11028 | 10908 | 10864 | 10933 | 0.77 | cps |
| Arsenic | 75-2 | 337 | 377 | 397 | 370 | 8.26 | cps |
| Barium | 135-1 | 12395 | 12249 | 12589 | 12411 | 1.38 | cps |
| Barium | 137-1 | 21263 | 21924 | 21306 | 21497 | 1.72 | cps |
| Beryllium | 9-1 | 527 | 630 | 663 | 607 | 11.75 | cps |
| Bismuth | 209-1 | 3670092 | 3598915 | 3605512 | 3624840 | 1.08 | cps |
| Bismuth | 209-2 | 2741963 | 2733094 | 2752889 | 2742649 | 0.36 | cps |
| Bromine | 81-1 | 5694 | 5274 | 5144 | 5371 | 5.35 | cps |
| Bromine | 81-2 | 80 | 70 | 90 | 80 | 12.50 | cps |
| Cadmium | 108-1 | 120 | 153 | 113 | 129 | 16.63 | cps |
| Cadmium | 106-1 | 1340 | 1210 | 1280 | 1277 | 5.10 | cps |
| Cadmium | 111-1 | 2384 | 2386 | 2530 | 2434 | 3.44 | cps |
| Calcium | 43-1 | 6678 | 6635 | 6618 | 6644 | 0.47 | cps |
| Calcium | 44-1 | 117094 | 116789 | 117198 | 117027 | 0.18 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 6408 | 6191 | 6451 | 6350 | 2.19 | cps |
| Cobalt | 59-2 | 4024 | 3737 | 3884 | 3882 | 3.69 | cps |
| Copper | 63-2 | 7412 | 7329 | 7359 | 7366 | 0.57 | cps |
| Dysprosium | 156-1 | 123 | 147 | 143 | 138 | 9.16 | cps |
| Dysprosium | 156-2 | 33 | 30 | 27 | 30 | 11.10 | cps |
| Erbium | 164-1 | 57 | 60 | 23 | 47 | 43.45 | cps |
| Erbium | 164-2 | 27 | 20 | 23 | 23 | 14.29 | cps |
| Gadolinium | 160-1 | 10 | 23 | 30 | 21 | 48.24 | cps |
| Gadolinium | 160-2 | 170 | 190 | 197 | 186 | 7.48 | cps |
| Holmium | 165-1 | 5891992 | 5778491 | 5744711 | 5805065 | 1.33 | cps |
| Holmium | 165-2 | 3945107 | 3920325 | 3905284 | 3923572 | 0.51 | cps |
| Indium | 115-1 | 4708156 | 4709421 | 4764752 | 4727443 | 0.68 | cps |
| Indium | 115-2 | 1785791 | 1769508 | 1767357 | 1774219 | 0.57 | cps |
| Iron | 56-2 | 479245 | 478771 | 474171 | 477395 | 0.59 | cps |
| Iron | 57-2 | 14390 | 14687 | 14217 | 14431 | 1.65 | cps |
| Iron | 54-2 | 28076 | 27008 | 27338 | 27474 | 1.99 | cps |
| Krypton | 83-1 | 160 | 187 | 183 | 177 | 8.23 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164277BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD277 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:26:30 | DataFile Name : | 021LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 3917 | 4024 | 3804 | 3915 | 2.81 | cps |
| Lead | 207-1 | 3240 | 3460 | 3450 | 3384 | 3.67 | cps |
| Lead | 208-1 | 15674 | 16101 | 15794 | 15856 | 1.39 | cps |
| Lithium | 6-1 | 573216 | 567302 | 565334 | 568617 | 0.72 | cps |
| Magnesium | 24-2 | 122278 | 121478 | 121280 | 121679 | 0.43 | cps |
| Manganese | 55-2 | 2447 | 2584 | 2397 | 2476 | 3.90 | cps |
| Molybdenum | 94-1 | 11101 | 10607 | 11011 | 10906 | 2.41 | cps |
| Molybdenum | 95-1 | 12876 | 12806 | 12856 | 12846 | 0.28 | cps |
| Molybdenum | 96-1 | 14597 | 14314 | 14104 | 14338 | 1.73 | cps |
| Molybdenum | 97-1 | 8066 | 8172 | 8086 | 8108 | 0.70 | cps |
| Molybdenum | 98-1 | 20538 | 21115 | 21082 | 20912 | 1.55 | cps |
| Neodymium | 150-1 | 10 | 10 | 17 | 12 | 31.50 | cps |
| Neodymium | 150-2 | 0 | 7 | 0 | 2 | 173.21 | cps |
| Nickel | 60-2 | 1163 | 1203 | 1230 | 1199 | 2.80 | cps |
| Phosphorus | 31-2 | 120 | 123 | 167 | 137 | 19.05 | cps |
| Potassium | 39-2 | 238788 | 239103 | 235928 | 237940 | 0.74 | cps |
| Rhodium | 103-1 | 4457465 | 4471519 | 4440324 | 4456436 | 0.35 | cps |
| Rhodium | 103-2 | 2953490 | 2945367 | 2993019 | 2963959 | 0.86 | cps |
| Scandium | 45-1 | 2611103 | 2560806 | 2540724 | 2570878 | 1.41 | cps |
| Scandium | 45-2 | 293864 | 297503 | 293541 | 294969 | 0.75 | cps |
| Selenium | 82-1 | 677 | 669 | 649 | 665 | 2.19 | cps |
| Selenium | 77-2 | 40 | 30 | 63 | 44 | 38.48 | cps |
| Selenium | 78-2 | 493 | 503 | 447 | 481 | 6.29 | cps |
| Silicon | 28-1 | 194126 | 193483 | 192620 | 193409 | 0.39 | cps |
| Silver | 107-1 | 6271 | 6008 | 6411 | 6230 | 3.29 | cps |
| Silver | 109-1 | 5664 | 5785 | 5798 | 5749 | 1.28 | cps |
| Sodium | 23-2 | 238274 | 235908 | 237284 | 237155 | 0.50 | cps |
| Strontium | 86-1 | 1923 | 2137 | 1990 | 2017 | 5.41 | cps |
| Strontium | 88-1 | 15495 | 15655 | 15388 | 15513 | 0.87 | cps |
| Sulfur | 34-1 | 128222 | 129187 | 129697 | 129036 | 0.58 | cps |
| Terbium | 159-1 | 6039284 | 6081457 | 6067130 | 6062624 | 0.35 | cps |
| Terbium | 159-2 | 3962942 | 4012044 | 3977701 | 3984229 | 0.63 | cps |
| Thallium | 203-1 | 4284 | 4344 | 4424 | 4351 | 1.61 | cps |
| Thallium | 205-1 | 10397 | 10728 | 10598 | 10574 | 1.57 | cps |
| Tin | 118-1 | 1470 | 1283 | 1523 | 1426 | 8.84 | cps |
| Titanium | 47-1 | 3170 | 3304 | 3347 | 3274 | 2.81 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164277BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD277 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:26:30 | DataFile Name : | 021LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 13080 | 12963 | 12756 | 12933 | 1.27 | cps |
| Vanadium | 51-2 | 11655 | 11801 | 11691 | 11716 | 0.65 | cps |
| Yttrium | 89-1 | 7855119 | 7892369 | 7726887 | 7824792 | 1.11 | cps |
| Yttrium | 89-2 | 2336419 | 2342809 | 2353764 | 2344331 | 0.37 | cps |
| Zinc | 66-2 | 2827 | 3014 | 2687 | 2843 | 5.77 | cps |
| Zirconium | 90-1 | 9146 | 9093 | 8996 | 9078 | 0.84 | cps |
| Zirconium | 91-1 | 1903 | 1947 | 1933 | 1928 | 1.15 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:29:47 | DataFile Name : | 022SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2343345 | 2296907 | 2301782 | 2314011 | 1.10 | cps |
| Antimony | 121-1 | 5338 | 5691 | 5444 | 5491 | 3.30 | cps |
| Arsenic | 75-2 | 12295 | 12355 | 12035 | 12228 | 1.39 | cps |
| Barium | 135-1 | 704035 | 717552 | 716395 | 712660 | 1.05 | cps |
| Barium | 137-1 | 1210722 | 1240954 | 1235203 | 1228960 | 1.31 | cps |
| Beryllium | 9-1 | 537 | 467 | 523 | 509 | 7.30 | cps |
| Bismuth | 209-1 | 3663203 | 3653713 | 3601225 | 3639381 | 0.92 | cps |
| Bismuth | 209-2 | 2748370 | 2755238 | 2764292 | 2755967 | 0.29 | cps |
| Bromine | 81-1 | 5985 | 6118 | 6048 | 6050 | 1.10 | cps |
| Bromine | 81-2 | 203 | 217 | 213 | 211 | 3.29 | cps |
| Cadmium | 108-1 | 373 | 380 | 337 | 363 | 6.42 | cps |
| Cadmium | 106-1 | 1743 | 1680 | 1650 | 1691 | 2.82 | cps |
| Cadmium | 111-1 | 5216 | 5214 | 5173 | 5201 | 0.46 | cps |
| Calcium | 43-1 | 95052 | 97155 | 96213 | 96140 | 1.10 | cps |
| Calcium | 44-1 | 1487082 | 1510990 | 1486596 | 1494889 | 0.93 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 106110 | 105160 | 104600 | 105290 | 0.73 | cps |
| Cobalt | 59-2 | 76507 | 76306 | 76370 | 76394 | 0.13 | cps |
| Copper | 63-2 | 1274221 | 1271815 | 1269746 | 1271927 | 0.18 | cps |
| Dysprosium | 156-1 | 18265 | 18849 | 18729 | 18615 | 1.66 | cps |
| Dysprosium | 156-2 | 17911 | 17538 | 17811 | 17754 | 1.09 | cps |
| Erbium | 164-1 | 11525 | 11862 | 11612 | 11666 | 1.50 | cps |
| Erbium | 164-2 | 8239 | 8056 | 8516 | 8270 | 2.80 | cps |
| Gadolinium | 160-1 | 15168 | 15956 | 15622 | 15582 | 2.54 | cps |
| Gadolinium | 160-2 | 11892 | 11932 | 11722 | 11848 | 0.94 | cps |
| Holmium | 165-1 | 5669260 | 5786802 | 5679954 | 5712005 | 1.14 | cps |
| Holmium | 165-2 | 3930333 | 3915388 | 3885878 | 3910533 | 0.58 | cps |
| Indium | 115-1 | 4674986 | 4690249 | 4688713 | 4684649 | 0.18 | cps |
| Indium | 115-2 | 1706287 | 1762864 | 1731442 | 1733531 | 1.64 | cps |
| Iron | 56-2 | 55661146 | 55529534 | 55022898 | 55404526 | 0.61 | cps |
| Iron | 57-2 | 1378694 | 1366413 | 1358599 | 1367902 | 0.74 | cps |
| Iron | 54-2 | 3119015 | 3074380 | 3103452 | 3098949 | 0.73 | cps |
| Krypton | 83-1 | 200 | 190 | 133 | 174 | 20.61 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:29:47 | DataFile Name : | 022SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 314667 | 317701 | 317278 | 316549 | 0.52 | cps |
| Lead | 207-1 | 281855 | 280154 | 281186 | 281065 | 0.30 | cps |
| Lead | 208-1 | 1258427 | 1264242 | 1266035 | 1262901 | 0.31 | cps |
| Lithium | 6-1 | 565889 | 579116 | 569016 | 571340 | 1.21 | cps |
| Magnesium | 24-2 | 1385929 | 1332187 | 1362572 | 1360229 | 1.98 | cps |
| Manganese | 55-2 | 8866232 | 8902432 | 8836036 | 8868233 | 0.37 | cps |
| Molybdenum | 94-1 | 25516 | 25322 | 25232 | 25357 | 0.57 | cps |
| Molybdenum | 95-1 | 1593 | 1610 | 1533 | 1579 | 2.55 | cps |
| Molybdenum | 96-1 | 5821 | 6041 | 5928 | 5930 | 1.86 | cps |
| Molybdenum | 97-1 | 807 | 897 | 917 | 873 | 6.71 | cps |
| Molybdenum | 98-1 | 2144 | 2144 | 2094 | 2127 | 1.36 | cps |
| Neodymium | 150-1 | 43343 | 43326 | 42868 | 43179 | 0.62 | cps |
| Neodymium | 150-2 | 26355 | 25490 | 25099 | 25648 | 2.51 | cps |
| Nickel | 60-2 | 58507 | 56640 | 57814 | 57654 | 1.64 | cps |
| Phosphorus | 31-2 | 12265 | 12202 | 12358 | 12275 | 0.64 | cps |
| Potassium | 39-2 | 1057467 | 1049215 | 1054319 | 1053667 | 0.40 | cps |
| Rhodium | 103-1 | 4407409 | 4350002 | 4335264 | 4364225 | 0.87 | cps |
| Rhodium | 103-2 | 2904347 | 2906259 | 2853361 | 2887989 | 1.04 | cps |
| Scandium | 45-1 | 2573321 | 2594846 | 2543863 | 2570677 | 1.00 | cps |
| Scandium | 45-2 | 300812 | 299271 | 302236 | 300773 | 0.49 | cps |
| Selenium | 82-1 | 298 | 298 | 394 | 330 | 16.85 | cps |
| Selenium | 77-2 | 70 | 77 | 73 | 73 | 4.55 | cps |
| Selenium | 78-2 | 370 | 403 | 393 | 389 | 4.40 | cps |
| Silicon | 28-1 | 4638789 | 4689664 | 4680945 | 4669800 | 0.58 | cps |
| Silver | 107-1 | 7225 | 7122 | 6855 | 7067 | 2.70 | cps |
| Silver | 109-1 | 6505 | 6938 | 6742 | 6728 | 3.23 | cps |
| Sodium | 23-2 | 91456 | 90490 | 89585 | 90511 | 1.03 | cps |
| Strontium | 86-1 | 140423 | 141176 | 140884 | 140828 | 0.27 | cps |
| Strontium | 88-1 | 1223556 | 1239694 | 1238856 | 1234035 | 0.74 | cps |
| Sulfur | 34-1 | 131089 | 127258 | 125147 | 127832 | 2.36 | cps |
| Terbium | 159-1 | 5868357 | 5972344 | 5910643 | 5917114 | 0.88 | cps |
| Terbium | 159-2 | 3973870 | 3944841 | 3930496 | 3949736 | 0.56 | cps |
| Thallium | 203-1 | 1390 | 1450 | 1360 | 1400 | 3.27 | cps |
| Thallium | 205-1 | 3254 | 3347 | 3407 | 3336 | 2.32 | cps |
| Tin | 118-1 | 11938 | 12075 | 12155 | 12056 | 0.91 | cps |
| Titanium | 47-1 | 354974 | 357638 | 359182 | 357265 | 0.60 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:29:47 | DataFile Name : | 022SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8529 | 8956 | 8823 | 8770 | 2.49 | cps |
| Vanadium | 51-2 | 103925 | 102337 | 101861 | 102708 | 1.05 | cps |
| Yttrium | 89-1 | 7920245 | 7975297 | 7944209 | 7946584 | 0.35 | cps |
| Yttrium | 89-2 | 2370751 | 2393460 | 2332180 | 2365464 | 1.31 | cps |
| Zinc | 66-2 | 134903 | 134802 | 133669 | 134458 | 0.51 | cps |
| Zirconium | 90-1 | 65320 | 67623 | 66438 | 66460 | 1.73 | cps |
| Zirconium | 91-1 | 14257 | 14888 | 14831 | 14659 | 2.38 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-05DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:33:05 | DataFile Name : | 023SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2323285 | 2320548 | 2292086 | 2311973 | 0.75 | cps |
| Antimony | 121-1 | 5551 | 5518 | 5351 | 5473 | 1.96 | cps |
| Arsenic | 75-2 | 11848 | 12389 | 12352 | 12196 | 2.48 | cps |
| Barium | 135-1 | 666603 | 665657 | 672542 | 668267 | 0.56 | cps |
| Barium | 137-1 | 1144175 | 1154748 | 1155793 | 1151572 | 0.56 | cps |
| Beryllium | 9-1 | 537 | 537 | 490 | 521 | 5.17 | cps |
| Bismuth | 209-1 | 3670196 | 3558332 | 3658999 | 3629176 | 1.70 | cps |
| Bismuth | 209-2 | 2736924 | 2707817 | 2705813 | 2716851 | 0.64 | cps |
| Bromine | 81-1 | 6071 | 6045 | 6248 | 6121 | 1.81 | cps |
| Bromine | 81-2 | 250 | 270 | 187 | 236 | 18.47 | cps |
| Cadmium | 108-1 | 350 | 330 | 383 | 354 | 7.60 | cps |
| Cadmium | 106-1 | 1687 | 1637 | 1650 | 1658 | 1.56 | cps |
| Cadmium | 111-1 | 5276 | 5089 | 5458 | 5274 | 3.50 | cps |
| Calcium | 43-1 | 94012 | 95632 | 96662 | 95435 | 1.40 | cps |
| Calcium | 44-1 | 1503898 | 1491348 | 1525029 | 1506758 | 1.13 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 103740 | 104573 | 104694 | 104335 | 0.50 | cps |
| Cobalt | 59-2 | 74112 | 74768 | 72876 | 73919 | 1.30 | cps |
| Copper | 63-2 | 1260037 | 1263642 | 1250033 | 1257904 | 0.56 | cps |
| Dysprosium | 156-1 | 18135 | 18028 | 18355 | 18173 | 0.92 | cps |
| Dysprosium | 156-2 | 17808 | 17521 | 17968 | 17766 | 1.28 | cps |
| Erbium | 164-1 | 11842 | 11852 | 12155 | 11950 | 1.49 | cps |
| Erbium | 164-2 | 8012 | 7876 | 7889 | 7926 | 0.95 | cps |
| Gadolinium | 160-1 | 15182 | 15779 | 15475 | 15479 | 1.93 | cps |
| Gadolinium | 160-2 | 11708 | 11565 | 11385 | 11553 | 1.40 | cps |
| Holmium | 165-1 | 5850778 | 5806552 | 5601510 | 5752947 | 2.31 | cps |
| Holmium | 165-2 | 3896687 | 3857303 | 3907095 | 3887028 | 0.68 | cps |
| Indium | 115-1 | 4673062 | 4687418 | 4612024 | 4657502 | 0.86 | cps |
| Indium | 115-2 | 1727051 | 1725170 | 1745898 | 1732706 | 0.66 | cps |
| Iron | 56-2 | 55536344 | 55641873 | 55392483 | 55523566 | 0.23 | cps |
| Iron | 57-2 | 1376271 | 1365904 | 1331101 | 1357758 | 1.74 | cps |
| Iron | 54-2 | 3074076 | 3074593 | 3078716 | 3075795 | 0.08 | cps |
| Krypton | 83-1 | 183 | 187 | 187 | 186 | 1.04 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-05DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:33:05 | DataFile Name : | 023SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 311997 | 315566 | 316380 | 314647 | 0.74 | cps |
| Lead | 207-1 | 280689 | 281734 | 281990 | 281471 | 0.24 | cps |
| Lead | 208-1 | 1256106 | 1264615 | 1271346 | 1264022 | 0.60 | cps |
| Lithium | 6-1 | 582012 | 565464 | 569783 | 572420 | 1.50 | cps |
| Magnesium | 24-2 | 1317381 | 1337900 | 1332890 | 1329390 | 0.80 | cps |
| Manganese | 55-2 | 7906828 | 7857859 | 7871989 | 7878892 | 0.32 | cps |
| Molybdenum | 94-1 | 25008 | 25967 | 25149 | 25375 | 2.04 | cps |
| Molybdenum | 95-1 | 1427 | 1620 | 1600 | 1549 | 6.86 | cps |
| Molybdenum | 96-1 | 5715 | 6225 | 6098 | 6012 | 4.42 | cps |
| Molybdenum | 97-1 | 930 | 773 | 860 | 854 | 9.19 | cps |
| Molybdenum | 98-1 | 2174 | 2140 | 2224 | 2179 | 1.93 | cps |
| Neodymium | 150-1 | 43634 | 43454 | 42454 | 43180 | 1.47 | cps |
| Neodymium | 150-2 | 25099 | 24879 | 25169 | 25049 | 0.61 | cps |
| Nickel | 60-2 | 57520 | 57232 | 57172 | 57308 | 0.32 | cps |
| Phosphorus | 31-2 | 11838 | 11631 | 11694 | 11721 | 0.90 | cps |
| Potassium | 39-2 | 1051228 | 1049705 | 1051280 | 1050738 | 0.09 | cps |
| Rhodium | 103-1 | 4358196 | 4347791 | 4297279 | 4334422 | 0.75 | cps |
| Rhodium | 103-2 | 2883310 | 2886591 | 2867485 | 2879129 | 0.35 | cps |
| Scandium | 45-1 | 2588119 | 2580412 | 2589058 | 2585863 | 0.18 | cps |
| Scandium | 45-2 | 300960 | 298257 | 297989 | 299069 | 0.55 | cps |
| Selenium | 82-1 | 299 | 287 | 358 | 315 | 11.96 | cps |
| Selenium | 77-2 | 53 | 90 | 63 | 69 | 27.52 | cps |
| Selenium | 78-2 | 460 | 440 | 377 | 426 | 10.22 | cps |
| Silicon | 28-1 | 4649242 | 4746792 | 4696624 | 4697552 | 1.04 | cps |
| Silver | 107-1 | 6975 | 6928 | 6862 | 6922 | 0.82 | cps |
| Silver | 109-1 | 6415 | 6371 | 6335 | 6374 | 0.63 | cps |
| Sodium | 23-2 | 88788 | 88744 | 89367 | 88966 | 0.39 | cps |
| Strontium | 86-1 | 136304 | 137213 | 137478 | 136998 | 0.45 | cps |
| Strontium | 88-1 | 1189731 | 1199213 | 1204450 | 1197798 | 0.62 | cps |
| Sulfur | 34-1 | 122724 | 122093 | 120967 | 121928 | 0.73 | cps |
| Terbium | 159-1 | 6011287 | 5957266 | 5910361 | 5959638 | 0.85 | cps |
| Terbium | 159-2 | 3942550 | 3975241 | 3948259 | 3955350 | 0.44 | cps |
| Thallium | 203-1 | 1347 | 1293 | 1160 | 1267 | 7.59 | cps |
| Thallium | 205-1 | 3030 | 3064 | 3027 | 3040 | 0.67 | cps |
| Tin | 118-1 | 12199 | 12162 | 11882 | 12081 | 1.44 | cps |
| Titanium | 47-1 | 356094 | 361062 | 364692 | 360616 | 1.20 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-05DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:33:05 | DataFile Name : | 023SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8486 | 8893 | 8610 | 8663 | 2.41 | cps |
| Vanadium | 51-2 | 102831 | 101613 | 102592 | 102345 | 0.63 | cps |
| Yttrium | 89-1 | 7950420 | 8078961 | 7936498 | 7988627 | 0.98 | cps |
| Yttrium | 89-2 | 2345988 | 2344782 | 2343347 | 2344706 | 0.06 | cps |
| Zinc | 66-2 | 134866 | 132845 | 134206 | 133972 | 0.77 | cps |
| Zirconium | 90-1 | 64677 | 66140 | 67449 | 66089 | 2.10 | cps |
| Zirconium | 91-1 | 14981 | 14547 | 15262 | 14930 | 2.41 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 13:36:14 | DataFile Name : | 024SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 455614 | 455259 | 459712 | 456862 | 0.54 | cps |
| Antimony | 121-1 | 1087 | 1183 | 1137 | 1136 | 4.26 | cps |
| Arsenic | 75-2 | 2377 | 2484 | 2530 | 2464 | 3.19 | cps |
| Barium | 135-1 | 140804 | 141161 | 140122 | 140696 | 0.38 | cps |
| Barium | 137-1 | 239326 | 243176 | 241979 | 241494 | 0.82 | cps |
| Beryllium | 9-1 | 130 | 110 | 130 | 123 | 9.36 | cps |
| Bismuth | 209-1 | 3526406 | 3593150 | 3574836 | 3564797 | 0.97 | cps |
| Bismuth | 209-2 | 2678046 | 2676748 | 2680232 | 2678342 | 0.07 | cps |
| Bromine | 81-1 | 5401 | 5178 | 5278 | 5285 | 2.12 | cps |
| Bromine | 81-2 | 80 | 100 | 107 | 96 | 14.52 | cps |
| Cadmium | 108-1 | 70 | 80 | 67 | 72 | 9.61 | cps |
| Cadmium | 106-1 | 1160 | 1137 | 1087 | 1128 | 3.32 | cps |
| Cadmium | 111-1 | 1716 | 1516 | 1561 | 1598 | 6.57 | cps |
| Calcium | 43-1 | 19386 | 19566 | 19286 | 19413 | 0.73 | cps |
| Calcium | 44-1 | 316295 | 321564 | 322051 | 319970 | 1.00 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 21352 | 20804 | 20948 | 21035 | 1.35 | cps |
| Cobalt | 59-2 | 15171 | 15478 | 15335 | 15328 | 1.00 | cps |
| Copper | 63-2 | 252169 | 249752 | 249793 | 250571 | 0.55 | cps |
| Dysprosium | 156-1 | 3704 | 3637 | 3634 | 3658 | 1.08 | cps |
| Dysprosium | 156-2 | 3477 | 3444 | 3754 | 3558 | 4.78 | cps |
| Erbium | 164-1 | 2200 | 2460 | 2240 | 2300 | 6.09 | cps |
| Erbium | 164-2 | 1753 | 1637 | 1593 | 1661 | 4.98 | cps |
| Gadolinium | 160-1 | 3130 | 3220 | 3070 | 3140 | 2.40 | cps |
| Gadolinium | 160-2 | 2347 | 2490 | 2457 | 2431 | 3.09 | cps |
| Holmium | 165-1 | 5645450 | 5661863 | 5544149 | 5617154 | 1.13 | cps |
| Holmium | 165-2 | 3909573 | 3808044 | 3877624 | 3865080 | 1.34 | cps |
| Indium | 115-1 | 4577372 | 4645477 | 4583832 | 4602227 | 0.82 | cps |
| Indium | 115-2 | 1702299 | 1694764 | 1701233 | 1699432 | 0.24 | cps |
| Iron | 56-2 | 10822982 | 10845554 | 10813291 | 10827276 | 0.15 | cps |
| Iron | 57-2 | 280936 | 280685 | 278620 | 280080 | 0.45 | cps |
| Iron | 54-2 | 624669 | 618516 | 620419 | 621202 | 0.51 | cps |
| Krypton | 83-1 | 200 | 160 | 180 | 180 | 11.11 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 13:36:14 | DataFile Name : | 024SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 61666 | 62218 | 63200 | 62361 | 1.25 | cps |
| Lead | 207-1 | 54987 | 56601 | 56530 | 56039 | 1.63 | cps |
| Lead | 208-1 | 249704 | 251884 | 253723 | 251770 | 0.80 | cps |
| Lithium | 6-1 | 574842 | 572550 | 566028 | 571140 | 0.80 | cps |
| Magnesium | 24-2 | 270751 | 271746 | 269996 | 270831 | 0.32 | cps |
| Manganese | 55-2 | 1733575 | 1735946 | 1700915 | 1723479 | 1.14 | cps |
| Molybdenum | 94-1 | 5318 | 5491 | 5348 | 5386 | 1.72 | cps |
| Molybdenum | 95-1 | 447 | 437 | 403 | 429 | 5.29 | cps |
| Molybdenum | 96-1 | 1390 | 1343 | 1383 | 1372 | 1.84 | cps |
| Molybdenum | 97-1 | 267 | 297 | 257 | 273 | 7.62 | cps |
| Molybdenum | 98-1 | 630 | 650 | 537 | 606 | 9.99 | cps |
| Neodymium | 150-1 | 8062 | 8683 | 8569 | 8438 | 3.91 | cps |
| Neodymium | 150-2 | 5041 | 5091 | 4834 | 4989 | 2.73 | cps |
| Nickel | 60-2 | 11948 | 11138 | 11318 | 11468 | 3.71 | cps |
| Phosphorus | 31-2 | 2607 | 2487 | 2537 | 2544 | 2.37 | cps |
| Potassium | 39-2 | 268818 | 268006 | 268957 | 268594 | 0.19 | cps |
| Rhodium | 103-1 | 4420375 | 4318667 | 4367231 | 4368758 | 1.16 | cps |
| Rhodium | 103-2 | 2870222 | 2830921 | 2888433 | 2863192 | 1.03 | cps |
| Scandium | 45-1 | 2546400 | 2498051 | 2461041 | 2501831 | 1.71 | cps |
| Scandium | 45-2 | 289108 | 286185 | 287872 | 287721 | 0.51 | cps |
| Selenium | 82-1 | 222 | 282 | 252 | 252 | 11.85 | cps |
| Selenium | 77-2 | 20 | 10 | 10 | 13 | 43.30 | cps |
| Selenium | 78-2 | 353 | 303 | 330 | 329 | 7.61 | cps |
| Silicon | 28-1 | 1095440 | 1088091 | 1085201 | 1089577 | 0.48 | cps |
| Silver | 107-1 | 1480 | 1457 | 1527 | 1488 | 2.40 | cps |
| Silver | 109-1 | 1230 | 1417 | 1310 | 1319 | 7.10 | cps |
| Sodium | 23-2 | 47055 | 47125 | 47891 | 47357 | 0.98 | cps |
| Strontium | 86-1 | 27880 | 28244 | 28725 | 28283 | 1.50 | cps |
| Strontium | 88-1 | 243178 | 246463 | 247832 | 245824 | 0.97 | cps |
| Sulfur | 34-1 | 110505 | 109727 | 110281 | 110171 | 0.36 | cps |
| Terbium | 159-1 | 5914154 | 5864545 | 5776725 | 5851808 | 1.19 | cps |
| Terbium | 159-2 | 3869320 | 3859969 | 3900753 | 3876681 | 0.55 | cps |
| Thallium | 203-1 | 353 | 400 | 390 | 381 | 6.45 | cps |
| Thallium | 205-1 | 860 | 900 | 867 | 876 | 2.45 | cps |
| Tin | 118-1 | 3180 | 3257 | 3114 | 3184 | 2.25 | cps |
| Titanium | 47-1 | 70055 | 70640 | 70768 | 70488 | 0.54 | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 13:36:14 | DataFile Name : | 024SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 1673 | 1880 | 1850 | 1801 | 6.20 | cps |
| Vanadium | 51-2 | 20127 | 20093 | 20724 | 20315 | 1.75 | cps |
| Yttrium | 89-1 | 7712509 | 7704016 | 7626483 | 7681003 | 0.62 | cps |
| Yttrium | 89-2 | 2290643 | 2305885 | 2288964 | 2295164 | 0.41 | cps |
| Zinc | 66-2 | 26797 | 26868 | 26547 | 26737 | 0.63 | cps |
| Zirconium | 90-1 | 12502 | 13911 | 13253 | 13222 | 5.33 | cps |
| Zirconium | 91-1 | 2884 | 2954 | 2970 | 2936 | 1.57 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-06REDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:39:32 | DataFile Name : | 025SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 983 | 993 | 993 | 990 | 0.58 | cps |
| Antimony | 121-1 | 70 | 87 | 107 | 88 | 20.92 | cps |
| Arsenic | 75-2 | 13 | 10 | 10 | 11 | 17.30 | cps |
| Barium | 135-1 | 270 | 263 | 250 | 261 | 3.90 | cps |
| Barium | 137-1 | 463 | 500 | 430 | 464 | 7.54 | cps |
| Beryllium | 9-1 | 17 | 17 | 13 | 16 | 12.40 | cps |
| Bismuth | 209-1 | 3495979 | 3519913 | 3493440 | 3503110 | 0.42 | cps |
| Bismuth | 209-2 | 2627432 | 2690061 | 2656451 | 2657981 | 1.18 | cps |
| Bromine | 81-1 | 5334 | 5051 | 5211 | 5199 | 2.73 | cps |
| Bromine | 81-2 | 43 | 87 | 63 | 64 | 33.66 | cps |
| Cadmium | 108-1 | 10 | 17 | 10 | 12 | 31.50 | cps |
| Cadmium | 106-1 | 1100 | 1103 | 1100 | 1101 | 0.17 | cps |
| Cadmium | 111-1 | 773 | 771 | 776 | 773 | 0.37 | cps |
| Calcium | 43-1 | 260 | 263 | 223 | 249 | 8.92 | cps |
| Calcium | 44-1 | 11988 | 11651 | 11605 | 11748 | 1.78 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 607 | 650 | 603 | 620 | 4.20 | cps |
| Cobalt | 59-2 | 103 | 137 | 123 | 121 | 13.86 | cps |
| Copper | 63-2 | 1910 | 1707 | 1793 | 1803 | 5.66 | cps |
| Dysprosium | 156-1 | 120 | 100 | 150 | 123 | 20.40 | cps |
| Dysprosium | 156-2 | 37 | 60 | 50 | 49 | 23.94 | cps |
| Erbium | 164-1 | 37 | 63 | 37 | 46 | 33.79 | cps |
| Erbium | 164-2 | 27 | 23 | 10 | 20 | 44.10 | cps |
| Gadolinium | 160-1 | 20 | 27 | 20 | 22 | 17.33 | cps |
| Gadolinium | 160-2 | 133 | 157 | 183 | 158 | 15.86 | cps |
| Holmium | 165-1 | 5674312 | 5679916 | 5547390 | 5633872 | 1.33 | cps |
| Holmium | 165-2 | 3800152 | 3814258 | 3825239 | 3813216 | 0.33 | cps |
| Indium | 115-1 | 4583924 | 4624784 | 4535935 | 4581547 | 0.97 | cps |
| Indium | 115-2 | 1720919 | 1716568 | 1716679 | 1718055 | 0.14 | cps |
| Iron | 56-2 | 27328 | 26750 | 27178 | 27086 | 1.11 | cps |
| Iron | 57-2 | 3174 | 2817 | 2990 | 2994 | 5.96 | cps |
| Iron | 54-2 | 2137 | 2220 | 2140 | 2166 | 2.18 | cps |
| Krypton | 83-1 | 200 | 203 | 160 | 188 | 12.84 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-06REDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:39:32 | DataFile Name : | 025SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 623 | 547 | 520 | 563 | 9.52 | cps |
| Lead | 207-1 | 393 | 510 | 487 | 463 | 13.32 | cps |
| Lead | 208-1 | 2170 | 2207 | 2007 | 2128 | 5.00 | cps |
| Lithium | 6-1 | 559104 | 558218 | 552348 | 556557 | 0.66 | cps |
| Magnesium | 24-2 | 1270 | 1137 | 1137 | 1181 | 6.52 | cps |
| Manganese | 55-2 | 2867 | 2867 | 2794 | 2843 | 1.49 | cps |
| Molybdenum | 94-1 | 243 | 210 | 190 | 214 | 12.57 | cps |
| Molybdenum | 95-1 | 200 | 187 | 183 | 190 | 4.64 | cps |
| Molybdenum | 96-1 | 210 | 220 | 173 | 201 | 12.22 | cps |
| Molybdenum | 97-1 | 80 | 113 | 117 | 103 | 19.62 | cps |
| Molybdenum | 98-1 | 230 | 250 | 270 | 250 | 8.00 | cps |
| Neodymium | 150-1 | 30 | 17 | 20 | 22 | 31.22 | cps |
| Neodymium | 150-2 | 10 | 10 | 7 | 9 | 21.63 | cps |
| Nickel | 60-2 | 160 | 137 | 83 | 127 | 31.03 | cps |
| Phosphorus | 31-2 | 137 | 150 | 120 | 136 | 11.09 | cps |
| Potassium | 39-2 | 77697 | 77978 | 77814 | 77830 | 0.18 | cps |
| Rhodium | 103-1 | 4402321 | 4368916 | 4292805 | 4354681 | 1.29 | cps |
| Rhodium | 103-2 | 2872520 | 2841729 | 2870362 | 2861537 | 0.60 | cps |
| Scandium | 45-1 | 2469799 | 2496230 | 2455967 | 2473999 | 0.83 | cps |
| Scandium | 45-2 | 283262 | 282031 | 281716 | 282336 | 0.29 | cps |
| Selenium | 82-1 | 236 | 221 | 256 | 238 | 7.33 | cps |
| Selenium | 77-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 373 | 343 | 313 | 343 | 8.74 | cps |
| Silicon | 28-1 | 173960 | 176397 | 174854 | 175070 | 0.70 | cps |
| Silver | 107-1 | 83 | 110 | 110 | 101 | 15.23 | cps |
| Silver | 109-1 | 57 | 73 | 47 | 59 | 22.87 | cps |
| Sodium | 23-2 | 36898 | 36593 | 34960 | 36150 | 2.88 | cps |
| Strontium | 86-1 | 520 | 520 | 513 | 518 | 0.74 | cps |
| Strontium | 88-1 | 1827 | 1810 | 1730 | 1789 | 2.89 | cps |
| Sulfur | 34-1 | 109831 | 109270 | 110136 | 109746 | 0.40 | cps |
| Terbium | 159-1 | 5848453 | 5876356 | 5825583 | 5850131 | 0.43 | cps |
| Terbium | 159-2 | 3914159 | 3774740 | 3856890 | 3848596 | 1.82 | cps |
| Thallium | 203-1 | 140 | 153 | 143 | 146 | 4.77 | cps |
| Thallium | 205-1 | 273 | 347 | 327 | 316 | 12.01 | cps |
| Tin | 118-1 | 937 | 860 | 943 | 913 | 5.07 | cps |
| Titanium | 47-1 | 183 | 207 | 243 | 211 | 14.33 | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-06REDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:39:32 | DataFile Name : | 025SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 73 | 77 | 83 | 78 | 6.55 | cps |
| Vanadium | 51-2 | 70 | 80 | 33 | 61 | 40.21 | cps |
| Yttrium | 89-1 | 7566834 | 7630803 | 7519786 | 7572474 | 0.74 | cps |
| Yttrium | 89-2 | 2267673 | 2227587 | 2241590 | 2245617 | 0.91 | cps |
| Zinc | 66-2 | 453 | 520 | 443 | 472 | 8.83 | cps |
| Zirconium | 90-1 | 367 | 373 | 420 | 387 | 7.52 | cps |
| Zirconium | 91-1 | 90 | 87 | 97 | 91 | 5.59 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04REMSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:42:49 | DataFile Name : | 026SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 717 | 647 | 597 | 653 | 9.23 | cps |
| Antimony | 121-1 | 70 | 70 | 87 | 76 | 12.74 | cps |
| Arsenic | 75-2 | 13 | 7 | 3 | 8 | 65.47 | cps |
| Barium | 135-1 | 113 | 123 | 97 | 111 | 12.13 | cps |
| Barium | 137-1 | 243 | 193 | 230 | 222 | 11.65 | cps |
| Beryllium | 9-1 | 20 | 17 | 20 | 19 | 10.18 | cps |
| Bismuth | 209-1 | 3533378 | 3652090 | 3514335 | 3566601 | 2.09 | cps |
| Bismuth | 209-2 | 2664302 | 2688606 | 2676049 | 2676319 | 0.45 | cps |
| Bromine | 81-1 | 5371 | 5141 | 5241 | 5251 | 2.20 | cps |
| Bromine | 81-2 | 57 | 40 | 60 | 52 | 20.52 | cps |
| Cadmium | 108-1 | 3 | 10 | 0 | 4 | 114.60 | cps |
| Cadmium | 106-1 | 1033 | 1137 | 1160 | 1110 | 6.07 | cps |
| Cadmium | 111-1 | 728 | 809 | 839 | 792 | 7.25 | cps |
| Calcium | 43-1 | 270 | 190 | 247 | 236 | 17.47 | cps |
| Calcium | 44-1 | 11685 | 11401 | 11588 | 11558 | 1.25 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 690 | 700 | 597 | 662 | 8.61 | cps |
| Cobalt | 59-2 | 100 | 120 | 97 | 106 | 11.95 | cps |
| Copper | 63-2 | 1420 | 1403 | 1377 | 1400 | 1.56 | cps |
| Dysprosium | 156-1 | 113 | 167 | 157 | 146 | 19.48 | cps |
| Dysprosium | 156-2 | 33 | 60 | 37 | 43 | 33.53 | cps |
| Erbium | 164-1 | 33 | 27 | 40 | 33 | 20.00 | cps |
| Erbium | 164-2 | 30 | 17 | 40 | 29 | 40.51 | cps |
| Gadolinium | 160-1 | 27 | 23 | 30 | 27 | 12.51 | cps |
| Gadolinium | 160-2 | 147 | 173 | 153 | 158 | 8.80 | cps |
| Holmium | 165-1 | 5647928 | 5644402 | 5554939 | 5615756 | 0.94 | cps |
| Holmium | 165-2 | 3783300 | 3799542 | 3851069 | 3811304 | 0.93 | cps |
| Indium | 115-1 | 4576679 | 4601963 | 4523914 | 4567519 | 0.87 | cps |
| Indium | 115-2 | 1718012 | 1718213 | 1718572 | 1718266 | 0.02 | cps |
| Iron | 56-2 | 16603 | 17360 | 16900 | 16954 | 2.25 | cps |
| Iron | 57-2 | 2750 | 2810 | 2790 | 2784 | 1.10 | cps |
| Iron | 54-2 | 1790 | 1597 | 1550 | 1646 | 7.73 | cps |
| Krypton | 83-1 | 230 | 223 | 173 | 209 | 14.83 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04REMSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:42:49 | DataFile Name : | 026SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 430 | 373 | 470 | 424 | 11.44 | cps |
| Lead | 207-1 | 367 | 427 | 383 | 392 | 7.90 | cps |
| Lead | 208-1 | 1683 | 1710 | 1697 | 1697 | 0.79 | cps |
| Lithium | 6-1 | 560009 | 566144 | 561384 | 562512 | 0.57 | cps |
| Magnesium | 24-2 | 933 | 857 | 980 | 923 | 6.74 | cps |
| Manganese | 55-2 | 1153 | 1010 | 1027 | 1063 | 7.37 | cps |
| Molybdenum | 94-1 | 210 | 227 | 213 | 217 | 4.07 | cps |
| Molybdenum | 95-1 | 150 | 210 | 180 | 180 | 16.67 | cps |
| Molybdenum | 96-1 | 197 | 180 | 203 | 193 | 6.22 | cps |
| Molybdenum | 97-1 | 113 | 130 | 87 | 110 | 19.87 | cps |
| Molybdenum | 98-1 | 293 | 247 | 237 | 259 | 11.68 | cps |
| Neodymium | 150-1 | 17 | 3 | 13 | 11 | 62.48 | cps |
| Neodymium | 150-2 | 7 | 0 | 0 | 2 | 173.21 | cps |
| Nickel | 60-2 | 113 | 120 | 87 | 107 | 16.53 | cps |
| Phosphorus | 31-2 | 147 | 103 | 147 | 132 | 18.92 | cps |
| Potassium | 39-2 | 76642 | 77637 | 76826 | 77035 | 0.69 | cps |
| Rhodium | 103-1 | 4375583 | 4316702 | 4324492 | 4338925 | 0.74 | cps |
| Rhodium | 103-2 | 2859221 | 2883012 | 2853835 | 2865356 | 0.54 | cps |
| Scandium | 45-1 | 2526626 | 2488816 | 2505535 | 2506992 | 0.76 | cps |
| Scandium | 45-2 | 283157 | 283627 | 284822 | 283869 | 0.30 | cps |
| Selenium | 82-1 | 190 | 178 | 220 | 196 | 11.21 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 357 | 260 | 283 | 300 | 16.81 | cps |
| Silicon | 28-1 | 172666 | 173074 | 173020 | 172920 | 0.13 | cps |
| Silver | 107-1 | 107 | 110 | 97 | 104 | 6.64 | cps |
| Silver | 109-1 | 77 | 87 | 80 | 81 | 6.28 | cps |
| Sodium | 23-2 | 35952 | 36487 | 35521 | 35986 | 1.34 | cps |
| Strontium | 86-1 | 477 | 483 | 470 | 477 | 1.40 | cps |
| Strontium | 88-1 | 1520 | 1457 | 1477 | 1485 | 2.18 | cps |
| Sulfur | 34-1 | 111872 | 112094 | 110475 | 111480 | 0.79 | cps |
| Terbium | 159-1 | 5843064 | 5855269 | 5767844 | 5822059 | 0.81 | cps |
| Terbium | 159-2 | 3854223 | 3866917 | 3848215 | 3856452 | 0.25 | cps |
| Thallium | 203-1 | 133 | 157 | 140 | 143 | 8.38 | cps |
| Thallium | 205-1 | 333 | 287 | 350 | 323 | 10.15 | cps |
| Tin | 118-1 | 1047 | 943 | 967 | 986 | 5.50 | cps |
| Titanium | 47-1 | 157 | 137 | 173 | 156 | 11.80 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04REMSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:42:49 | DataFile Name : | 026SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 70 | 70 | 60 | 67 | 8.66 | cps |
| Vanadium | 51-2 | 30 | 23 | 30 | 28 | 13.86 | cps |
| Yttrium | 89-1 | 7621967 | 7629238 | 7636949 | 7629385 | 0.10 | cps |
| Yttrium | 89-2 | 2287285 | 2262913 | 2248779 | 2266326 | 0.86 | cps |
| Zinc | 66-2 | 423 | 433 | 433 | 430 | 1.34 | cps |
| Zirconium | 90-1 | 307 | 337 | 257 | 300 | 13.47 | cps |
| Zirconium | 91-1 | 60 | 80 | 43 | 61 | 30.04 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-06DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:48:15 | DataFile Name : | 027SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2459098 | 2407581 | 2390899 | 2419192 | 1.47 | cps |
| Antimony | 121-1 | 102935 | 104990 | 105940 | 104621 | 1.47 | cps |
| Arsenic | 75-2 | 15054 | 15295 | 14821 | 15057 | 1.57 | cps |
| Barium | 135-1 | 1162242 | 1177990 | 1180900 | 1173711 | 0.86 | cps |
| Barium | 137-1 | 2195580 | 2231622 | 2186728 | 2204644 | 1.08 | cps |
| Beryllium | 9-1 | 5911 | 6151 | 6181 | 6081 | 2.43 | cps |
| Bismuth | 209-1 | 3658625 | 3633442 | 3656648 | 3649571 | 0.38 | cps |
| Bismuth | 209-2 | 2699110 | 2747142 | 2700628 | 2715627 | 1.01 | cps |
| Bromine | 81-1 | 5584 | 5901 | 5848 | 5778 | 2.94 | cps |
| Bromine | 81-2 | 257 | 220 | 267 | 248 | 9.92 | cps |
| Cadmium | 108-1 | 1077 | 1043 | 1090 | 1070 | 2.25 | cps |
| Cadmium | 106-1 | 2650 | 2537 | 2624 | 2604 | 2.28 | cps |
| Cadmium | 111-1 | 16777 | 17311 | 17116 | 17068 | 1.58 | cps |
| Calcium | 43-1 | 98041 | 100986 | 100779 | 99935 | 1.64 | cps |
| Calcium | 44-1 | 1550700 | 1561430 | 1582219 | 1564783 | 1.02 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 206305 | 204031 | 203528 | 204621 | 0.72 | cps |
| Cobalt | 59-2 | 433756 | 432342 | 435224 | 433774 | 0.33 | cps |
| Copper | 63-2 | 1435081 | 1433527 | 1429581 | 1432730 | 0.20 | cps |
| Dysprosium | 156-1 | 18806 | 19667 | 19380 | 19284 | 2.27 | cps |
| Dysprosium | 156-2 | 17778 | 18062 | 18222 | 18021 | 1.25 | cps |
| Erbium | 164-1 | 11798 | 12442 | 12426 | 12222 | 3.00 | cps |
| Erbium | 164-2 | 8256 | 8202 | 8029 | 8162 | 1.45 | cps |
| Gadolinium | 160-1 | 16416 | 16233 | 16156 | 16268 | 0.82 | cps |
| Gadolinium | 160-2 | 11888 | 12075 | 12015 | 11993 | 0.80 | cps |
| Holmium | 165-1 | 5863474 | 5795952 | 5788251 | 5815892 | 0.71 | cps |
| Holmium | 165-2 | 3885249 | 3926749 | 3868302 | 3893433 | 0.77 | cps |
| Indium | 115-1 | 4748289 | 4697702 | 4673240 | 4706411 | 0.81 | cps |
| Indium | 115-2 | 1756004 | 1747675 | 1762321 | 1755333 | 0.42 | cps |
| Iron | 56-2 | 57470514 | 57468012 | 57387329 | 57441952 | 0.08 | cps |
| Iron | 57-2 | 1437663 | 1433263 | 1432533 | 1434487 | 0.19 | cps |
| Iron | 54-2 | 3252098 | 3232686 | 3167012 | 3217266 | 1.39 | cps |
| Krypton | 83-1 | 197 | 190 | 207 | 198 | 4.24 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-06DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:48:15 | DataFile Name : | 027SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 334016 | 338386 | 341905 | 338102 | 1.17 | cps |
| Lead | 207-1 | 298716 | 305731 | 302615 | 302354 | 1.16 | cps |
| Lead | 208-1 | 1347390 | 1362649 | 1372342 | 1360794 | 0.92 | cps |
| Lithium | 6-1 | 583579 | 587435 | 585726 | 585580 | 0.33 | cps |
| Magnesium | 24-2 | 1421303 | 1394162 | 1362562 | 1392676 | 2.11 | cps |
| Manganese | 55-2 | 8599377 | 8579381 | 8574413 | 8584390 | 0.15 | cps |
| Molybdenum | 94-1 | 24411 | 25205 | 25008 | 24875 | 1.66 | cps |
| Molybdenum | 95-1 | 1730 | 1810 | 1650 | 1730 | 4.62 | cps |
| Molybdenum | 96-1 | 6101 | 6201 | 5918 | 6074 | 2.37 | cps |
| Molybdenum | 97-1 | 1000 | 983 | 920 | 968 | 4.36 | cps |
| Molybdenum | 98-1 | 2254 | 2340 | 2480 | 2358 | 4.85 | cps |
| Neodymium | 150-1 | 44199 | 45259 | 44135 | 44531 | 1.42 | cps |
| Neodymium | 150-2 | 26358 | 25824 | 26198 | 26127 | 1.05 | cps |
| Nickel | 60-2 | 149315 | 148767 | 150238 | 149440 | 0.50 | cps |
| Phosphorus | 31-2 | 13102 | 12809 | 12595 | 12835 | 1.98 | cps |
| Potassium | 39-2 | 1075867 | 1068380 | 1068310 | 1070852 | 0.41 | cps |
| Rhodium | 103-1 | 4480081 | 4423112 | 4391987 | 4431727 | 1.01 | cps |
| Rhodium | 103-2 | 2918102 | 2908119 | 2840992 | 2889071 | 1.45 | cps |
| Scandium | 45-1 | 2709186 | 2648142 | 2582360 | 2646563 | 2.40 | cps |
| Scandium | 45-2 | 298585 | 298403 | 297632 | 298207 | 0.17 | cps |
| Selenium | 82-1 | 1807 | 1708 | 1748 | 1754 | 2.85 | cps |
| Selenium | 77-2 | 193 | 273 | 267 | 244 | 18.16 | cps |
| Selenium | 78-2 | 950 | 1063 | 1077 | 1030 | 6.76 | cps |
| Silicon | 28-1 | 4212685 | 4273533 | 4201566 | 4229261 | 0.92 | cps |
| Silver | 107-1 | 55726 | 56252 | 57533 | 56504 | 1.65 | cps |
| Silver | 109-1 | 52940 | 54810 | 54067 | 53939 | 1.75 | cps |
| Sodium | 23-2 | 86226 | 85794 | 85563 | 85861 | 0.39 | cps |
| Strontium | 86-1 | 142846 | 142933 | 144263 | 143347 | 0.55 | cps |
| Strontium | 88-1 | 1249795 | 1262160 | 1262269 | 1258075 | 0.57 | cps |
| Sulfur | 34-1 | 117635 | 115351 | 111822 | 114936 | 2.55 | cps |
| Terbium | 159-1 | 6028562 | 6046682 | 5874291 | 5983178 | 1.58 | cps |
| Terbium | 159-2 | 3970979 | 3926177 | 3964519 | 3953892 | 0.61 | cps |
| Thallium | 203-1 | 39293 | 40045 | 40754 | 40031 | 1.82 | cps |
| Thallium | 205-1 | 91881 | 93925 | 95123 | 93643 | 1.75 | cps |
| Tin | 118-1 | 12562 | 12792 | 13400 | 12918 | 3.35 | cps |
| Titanium | 47-1 | 360937 | 366264 | 363868 | 363690 | 0.73 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-06DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:48:15 | DataFile Name : | 027SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 9107 | 9213 | 8883 | 9068 | 1.86 | cps |
| Vanadium | 51-2 | 318624 | 319497 | 316914 | 318345 | 0.41 | cps |
| Yttrium | 89-1 | 8096421 | 8091090 | 8046846 | 8078119 | 0.34 | cps |
| Yttrium | 89-2 | 2351824 | 2382880 | 2346037 | 2360247 | 0.84 | cps |
| Zinc | 66-2 | 180683 | 179906 | 179977 | 180188 | 0.24 | cps |
| Zirconium | 90-1 | 65800 | 66679 | 65775 | 66085 | 0.78 | cps |
| Zirconium | 91-1 | 14280 | 14467 | 15185 | 14644 | 3.26 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:51:25 | DataFile Name : | 028SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2443450 | 2434572 | 2409310 | 2429111 | 0.73 | cps |
| Antimony | 121-1 | 406708 | 412717 | 406108 | 408511 | 0.89 | cps |
| Arsenic | 75-2 | 23071 | 23108 | 22587 | 22922 | 1.27 | cps |
| Barium | 135-1 | 2805833 | 2833525 | 2847418 | 2828925 | 0.75 | cps |
| Barium | 137-1 | 4878479 | 4870575 | 4867719 | 4872258 | 0.11 | cps |
| Beryllium | 9-1 | 23404 | 23621 | 23778 | 23601 | 0.80 | cps |
| Bismuth | 209-1 | 3665243 | 3237098 | 3526697 | 3476346 | 6.28 | cps |
| Bismuth | 209-2 | 2750951 | 2740982 | 2696736 | 2729556 | 1.06 | cps |
| Bromine | 81-1 | 5985 | 5798 | 5988 | 5923 | 1.84 | cps |
| Bromine | 81-2 | 230 | 260 | 187 | 226 | 16.35 | cps |
| Cadmium | 108-1 | 3594 | 3404 | 3580 | 3526 | 3.01 | cps |
| Cadmium | 106-1 | 5925 | 6035 | 5758 | 5906 | 2.36 | cps |
| Cadmium | 111-1 | 52838 | 53025 | 52858 | 52907 | 0.19 | cps |
| Calcium | 43-1 | 96018 | 97635 | 96263 | 96639 | 0.90 | cps |
| Calcium | 44-1 | 1520611 | 1517209 | 1479320 | 1505713 | 1.52 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 505589 | 504325 | 501262 | 503725 | 0.44 | cps |
| Cobalt | 59-2 | 1583485 | 1607066 | 1570640 | 1587064 | 1.16 | cps |
| Copper | 63-2 | 1831655 | 1814422 | 1813317 | 1819798 | 0.57 | cps |
| Dysprosium | 156-1 | 18375 | 19066 | 18472 | 18638 | 2.01 | cps |
| Dysprosium | 156-2 | 17458 | 17481 | 17528 | 17489 | 0.20 | cps |
| Erbium | 164-1 | 11475 | 12142 | 11678 | 11765 | 2.91 | cps |
| Erbium | 164-2 | 8156 | 8226 | 8146 | 8176 | 0.53 | cps |
| Gadolinium | 160-1 | 16016 | 16103 | 15716 | 15945 | 1.27 | cps |
| Gadolinium | 160-2 | 11632 | 11205 | 11138 | 11325 | 2.37 | cps |
| Holmium | 165-1 | 5804188 | 5185117 | 5683938 | 5557748 | 5.91 | cps |
| Holmium | 165-2 | 3911289 | 3877319 | 3928007 | 3905538 | 0.66 | cps |
| Indium | 115-1 | 4737418 | 4187329 | 4527996 | 4484248 | 6.19 | cps |
| Indium | 115-2 | 1757855 | 1770221 | 1711510 | 1746529 | 1.77 | cps |
| Iron | 56-2 | 56395922 | 56291051 | 55579161 | 56088711 | 0.79 | cps |
| Iron | 57-2 | 1397892 | 1398288 | 1375068 | 1390416 | 0.96 | cps |
| Iron | 54-2 | 3114162 | 3132265 | 3135415 | 3127281 | 0.37 | cps |
| Krypton | 83-1 | 190 | 200 | 190 | 193 | 2.99 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:51:25 | DataFile Name : | 028SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 373388 | 371410 | 369571 | 371456 | 0.51 | cps |
| Lead | 207-1 | 328418 | 329465 | 322792 | 326892 | 1.10 | cps |
| Lead | 208-1 | 1484050 | 1483154 | 1467934 | 1478379 | 0.61 | cps |
| Lithium | 6-1 | 594875 | 536550 | 575682 | 569036 | 5.22 | cps |
| Magnesium | 24-2 | 1306523 | 1317567 | 1311319 | 1311803 | 0.42 | cps |
| Manganese | 55-2 | 8911579 | 8884850 | 8744551 | 8846994 | 1.01 | cps |
| Molybdenum | 94-1 | 24321 | 23663 | 23142 | 23708 | 2.49 | cps |
| Molybdenum | 95-1 | 1677 | 1707 | 1767 | 1717 | 2.67 | cps |
| Molybdenum | 96-1 | 6285 | 5641 | 5751 | 5892 | 5.84 | cps |
| Molybdenum | 97-1 | 890 | 887 | 957 | 911 | 4.33 | cps |
| Molybdenum | 98-1 | 2357 | 2294 | 2337 | 2329 | 1.39 | cps |
| Neodymium | 150-1 | 44159 | 43998 | 43146 | 43768 | 1.24 | cps |
| Neodymium | 150-2 | 25303 | 25630 | 25006 | 25313 | 1.23 | cps |
| Nickel | 60-2 | 432607 | 428643 | 427463 | 429571 | 0.63 | cps |
| Phosphorus | 31-2 | 12065 | 11474 | 11815 | 11785 | 2.51 | cps |
| Potassium | 39-2 | 1029791 | 1023300 | 1022816 | 1025302 | 0.38 | cps |
| Rhodium | 103-1 | 4445166 | 3939396 | 4338054 | 4240872 | 6.28 | cps |
| Rhodium | 103-2 | 2915961 | 2934471 | 2827482 | 2892638 | 1.98 | cps |
| Scandium | 45-1 | 2614858 | 2319331 | 2551683 | 2495291 | 6.24 | cps |
| Scandium | 45-2 | 296912 | 293308 | 289883 | 293368 | 1.20 | cps |
| Selenium | 82-1 | 6654 | 6626 | 6505 | 6595 | 1.20 | cps |
| Selenium | 77-2 | 777 | 853 | 843 | 824 | 5.06 | cps |
| Selenium | 78-2 | 2904 | 2830 | 2754 | 2829 | 2.65 | cps |
| Silicon | 28-1 | 4056248 | 4072326 | 4112175 | 4080250 | 0.71 | cps |
| Silver | 107-1 | 192694 | 190827 | 197885 | 193802 | 1.89 | cps |
| Silver | 109-1 | 179476 | 184188 | 184337 | 182667 | 1.51 | cps |
| Sodium | 23-2 | 85023 | 86682 | 84983 | 85563 | 1.13 | cps |
| Strontium | 86-1 | 139672 | 141197 | 138094 | 139654 | 1.11 | cps |
| Strontium | 88-1 | 1223706 | 1218121 | 1213638 | 1218488 | 0.41 | cps |
| Sulfur | 34-1 | 108964 | 106890 | 107961 | 107939 | 0.96 | cps |
| Terbium | 159-1 | 6151289 | 5407175 | 5846237 | 5801567 | 6.45 | cps |
| Terbium | 159-2 | 3972631 | 3863199 | 3902367 | 3912732 | 1.42 | cps |
| Thallium | 203-1 | 163461 | 160369 | 159948 | 161259 | 1.19 | cps |
| Thallium | 205-1 | 382658 | 384094 | 375997 | 380916 | 1.13 | cps |
| Tin | 118-1 | 13099 | 12879 | 12873 | 12950 | 1.00 | cps |
| Titanium | 47-1 | 346147 | 352136 | 352177 | 350153 | 0.99 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 13:51:25 | DataFile Name : | 028SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 9113 | 8786 | 8926 | 8942 | 1.83 | cps |
| Vanadium | 51-2 | 980773 | 982293 | 981998 | 981688 | 0.08 | cps |
| Yttrium | 89-1 | 7991697 | 7171543 | 7794442 | 7652561 | 5.59 | cps |
| Yttrium | 89-2 | 2348075 | 2401252 | 2319188 | 2356171 | 1.77 | cps |
| Zinc | 66-2 | 307578 | 306993 | 307636 | 307402 | 0.12 | cps |
| Zirconium | 90-1 | 64175 | 65050 | 64375 | 64533 | 0.71 | cps |
| Zirconium | 91-1 | 13693 | 14150 | 14020 | 13955 | 1.69 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04A | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:54:30 | DataFile Name : | 029SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 8972614 | 8780655 | 8838695 | 8863988 | 1.11 | cps |
| Antimony | 121-1 | 20708 | 21696 | 20705 | 21037 | 2.72 | cps |
| Arsenic | 75-2 | 48124 | 48402 | 47362 | 47963 | 1.12 | cps |
| Barium | 135-1 | 2985274 | 2988922 | 2993583 | 2989260 | 0.14 | cps |
| Barium | 137-1 | 5149124 | 5205541 | 5242226 | 5198964 | 0.90 | cps |
| Beryllium | 9-1 | 1887 | 2080 | 2134 | 2033 | 6.38 | cps |
| Bismuth | 209-1 | 3694650 | 3672402 | 3673027 | 3680026 | 0.34 | cps |
| Bismuth | 209-2 | 2775215 | 2783105 | 2738131 | 2765484 | 0.87 | cps |
| Bromine | 81-1 | 7362 | 7319 | 7896 | 7525 | 4.27 | cps |
| Bromine | 81-2 | 773 | 693 | 777 | 748 | 6.31 | cps |
| Cadmium | 108-1 | 1280 | 1190 | 1340 | 1270 | 5.95 | cps |
| Cadmium | 106-1 | 3280 | 3094 | 2864 | 3079 | 6.78 | cps |
| Cadmium | 111-1 | 17509 | 17989 | 17763 | 17754 | 1.35 | cps |
| Calcium | 43-1 | 364571 | 376041 | 373878 | 371497 | 1.64 | cps |
| Calcium | 44-1 | 5721611 | 5878290 | 5794135 | 5798012 | 1.35 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 409087 | 403625 | 406650 | 406454 | 0.67 | cps |
| Cobalt | 59-2 | 295893 | 292176 | 293210 | 293759 | 0.65 | cps |
| Copper | 63-2 | 5057386 | 5028828 | 4998092 | 5028102 | 0.59 | cps |
| Dysprosium | 156-1 | 70710 | 72144 | 71953 | 71602 | 1.09 | cps |
| Dysprosium | 156-2 | 68988 | 67642 | 69805 | 68812 | 1.59 | cps |
| Erbium | 164-1 | 45183 | 46330 | 46387 | 45967 | 1.48 | cps |
| Erbium | 164-2 | 31883 | 31459 | 31242 | 31528 | 1.03 | cps |
| Gadolinium | 160-1 | 60299 | 63011 | 60932 | 61414 | 2.31 | cps |
| Gadolinium | 160-2 | 45948 | 45286 | 45527 | 45587 | 0.73 | cps |
| Holmium | 165-1 | 5894604 | 5832649 | 5724047 | 5817100 | 1.48 | cps |
| Holmium | 165-2 | 3955020 | 3898364 | 3923566 | 3925650 | 0.72 | cps |
| Indium | 115-1 | 4682835 | 4689207 | 4568093 | 4646712 | 1.47 | cps |
| Indium | 115-2 | 1739697 | 1745203 | 1724464 | 1736455 | 0.62 | cps |
| Iron | 56-2 | 215992550 | 213495317 | 213771910 | 214419926 | 0.64 | cps |
| Iron | 57-2 | 5333870 | 5320882 | 5293588 | 5316114 | 0.39 | cps |
| Iron | 54-2 | 11887058 | 11783335 | 11840399 | 11836931 | 0.44 | cps |
| Krypton | 83-1 | 287 | 237 | 233 | 252 | 11.84 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04A | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:54:30 | DataFile Name : | 029SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1202117 | 1228130 | 1233560 | 1221269 | 1.38 | cps |
| Lead | 207-1 | 1081263 | 1098260 | 1087817 | 1089114 | 0.79 | cps |
| Lead | 208-1 | 5240224 | 5348548 | 5345457 | 5311410 | 1.16 | cps |
| Lithium | 6-1 | 588927 | 569020 | 568172 | 575373 | 2.04 | cps |
| Magnesium | 24-2 | 5213958 | 5175296 | 5203443 | 5197566 | 0.38 | cps |
| Manganese | 55-2 | 34058095 | 33772455 | 33942083 | 33924211 | 0.42 | cps |
| Molybdenum | 94-1 | 101456 | 105730 | 106069 | 104418 | 2.46 | cps |
| Molybdenum | 95-1 | 5628 | 5878 | 5604 | 5703 | 2.66 | cps |
| Molybdenum | 96-1 | 23139 | 23592 | 24935 | 23889 | 3.91 | cps |
| Molybdenum | 97-1 | 3050 | 2930 | 2950 | 2977 | 2.16 | cps |
| Molybdenum | 98-1 | 7625 | 7675 | 7986 | 7762 | 2.51 | cps |
| Neodymium | 150-1 | 167695 | 169110 | 171124 | 169310 | 1.02 | cps |
| Neodymium | 150-2 | 99468 | 100575 | 100663 | 100235 | 0.66 | cps |
| Nickel | 60-2 | 223228 | 220942 | 221410 | 221860 | 0.54 | cps |
| Phosphorus | 31-2 | 46260 | 46450 | 45417 | 46042 | 1.19 | cps |
| Potassium | 39-2 | 3694547 | 3635700 | 3610771 | 3647006 | 1.18 | cps |
| Rhodium | 103-1 | 4355458 | 4304982 | 4287980 | 4316140 | 0.81 | cps |
| Rhodium | 103-2 | 2843852 | 2889749 | 2839220 | 2857607 | 0.98 | cps |
| Scandium | 45-1 | 2769152 | 2754354 | 2675357 | 2732954 | 1.85 | cps |
| Scandium | 45-2 | 310245 | 309238 | 310751 | 310078 | 0.25 | cps |
| Selenium | 82-1 | 460 | 537 | 575 | 524 | 11.18 | cps |
| Selenium | 77-2 | 267 | 293 | 370 | 310 | 17.31 | cps |
| Selenium | 78-2 | 640 | 580 | 590 | 603 | 5.33 | cps |
| Silicon | 28-1 | 17599386 | 17712802 | 17588574 | 17633587 | 0.39 | cps |
| Silver | 107-1 | 53408 | 54579 | 54495 | 54161 | 1.21 | cps |
| Silver | 109-1 | 51327 | 51113 | 51538 | 51326 | 0.41 | cps |
| Sodium | 23-2 | 236102 | 236410 | 237478 | 236663 | 0.31 | cps |
| Strontium | 86-1 | 540554 | 549873 | 553091 | 547839 | 1.19 | cps |
| Strontium | 88-1 | 4840476 | 4990663 | 4974710 | 4935283 | 1.67 | cps |
| Sulfur | 34-1 | 122953 | 120726 | 120191 | 121290 | 1.21 | cps |
| Terbium | 159-1 | 6061065 | 5902832 | 5962148 | 5975348 | 1.34 | cps |
| Terbium | 159-2 | 4034220 | 3930101 | 3937950 | 3967424 | 1.46 | cps |
| Thallium | 203-1 | 4501 | 4691 | 4771 | 4654 | 2.98 | cps |
| Thallium | 205-1 | 10628 | 10784 | 11165 | 10859 | 2.54 | cps |
| Tin | 118-1 | 43957 | 44301 | 43806 | 44022 | 0.58 | cps |
| Titanium | 47-1 | 1388504 | 1429331 | 1408734 | 1408856 | 1.45 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4331-04A | Instrumnet Name : | P7 |
| Client Sample ID : | MYDBB7ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:54:30 | DataFile Name : | 029SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 33165 | 34782 | 34879 | 34275 | 2.81 | cps |
| Vanadium | 51-2 | 404284 | 400670 | 398335 | 401096 | 0.75 | cps |
| Yttrium | 89-1 | 8547872 | 8418499 | 8370360 | 8445577 | 1.09 | cps |
| Yttrium | 89-2 | 2481996 | 2465009 | 2489821 | 2478942 | 0.51 | cps |
| Zinc | 66-2 | 525875 | 514014 | 515831 | 518573 | 1.23 | cps |
| Zirconium | 90-1 | 270255 | 277467 | 277875 | 275199 | 1.56 | cps |
| Zirconium | 91-1 | 60652 | 60451 | 62220 | 61108 | 1.58 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV036 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV036 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:57:36 | DataFile Name : | 030CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6804955 | 6829577 | 6775445 | 6803326 | 0.40 | cps |
| Antimony | 121-1 | 2660374 | 2736171 | 2759906 | 2718817 | 1.91 | cps |
| Arsenic | 75-2 | 186121 | 187404 | 185828 | 186451 | 0.45 | cps |
| Barium | 135-1 | 3364552 | 3405253 | 3450910 | 3406905 | 1.27 | cps |
| Barium | 137-1 | 5706241 | 5881960 | 5888464 | 5825555 | 1.77 | cps |
| Beryllium | 9-1 | 290127 | 296372 | 294125 | 293542 | 1.08 | cps |
| Bismuth | 209-1 | 3480037 | 3567343 | 3556355 | 3534578 | 1.35 | cps |
| Bismuth | 209-2 | 2660006 | 2623347 | 2662316 | 2648556 | 0.83 | cps |
| Bromine | 81-1 | 5458 | 5061 | 5284 | 5268 | 3.78 | cps |
| Bromine | 81-2 | 93 | 70 | 80 | 81 | 14.43 | cps |
| Cadmium | 108-1 | 45103 | 46223 | 46548 | 45958 | 1.65 | cps |
| Cadmium | 106-1 | 64991 | 66230 | 66163 | 65795 | 1.06 | cps |
| Cadmium | 111-1 | 626149 | 644963 | 643094 | 638069 | 1.62 | cps |
| Calcium | 43-1 | 3233599 | 3271435 | 3298005 | 3267680 | 0.99 | cps |
| Calcium | 44-1 | 51955651 | 52793959 | 52551021 | 52433544 | 0.82 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1284978 | 1310134 | 1295261 | 1296791 | 0.98 | cps |
| Cobalt | 59-2 | 2083550 | 2077786 | 2064098 | 2075145 | 0.48 | cps |
| Copper | 63-2 | 14557491 | 14531111 | 14512379 | 14533660 | 0.16 | cps |
| Dysprosium | 156-1 | 247 | 277 | 237 | 253 | 8.22 | cps |
| Dysprosium | 156-2 | 283 | 280 | 257 | 273 | 5.32 | cps |
| Erbium | 164-1 | 167 | 163 | 143 | 158 | 8.00 | cps |
| Erbium | 164-2 | 123 | 153 | 80 | 119 | 31.01 | cps |
| Gadolinium | 160-1 | 117 | 147 | 100 | 121 | 19.53 | cps |
| Gadolinium | 160-2 | 263 | 220 | 197 | 227 | 14.93 | cps |
| Holmium | 165-1 | 5796925 | 5938182 | 5871156 | 5868754 | 1.20 | cps |
| Holmium | 165-2 | 3967353 | 4056511 | 4028260 | 4017375 | 1.13 | cps |
| Indium | 115-1 | 4510992 | 4638700 | 4551350 | 4567014 | 1.43 | cps |
| Indium | 115-2 | 1682527 | 1685630 | 1701968 | 1690042 | 0.62 | cps |
| Iron | 56-2 | 278010989 | 279132883 | 278688336 | 278610736 | 0.20 | cps |
| Iron | 57-2 | 6983901 | 7009785 | 6973704 | 6989130 | 0.27 | cps |
| Iron | 54-2 | 15547169 | 15446900 | 15525292 | 15506454 | 0.34 | cps |
| Krypton | 83-1 | 267 | 203 | 207 | 226 | 15.80 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV036 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV036 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:57:36 | DataFile Name : | 030CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 9461944 | 9625588 | 9675033 | 9587522 | 1.16 | cps |
| Lead | 207-1 | 8513593 | 8652744 | 8668904 | 8611747 | 0.99 | cps |
| Lead | 208-1 | 38235861 | 39106795 | 38947969 | 38763542 | 1.20 | cps |
| Lithium | 6-1 | 575633 | 590779 | 573927 | 580113 | 1.60 | cps |
| Magnesium | 24-2 | 56182098 | 56246726 | 55540519 | 55989781 | 0.70 | cps |
| Manganese | 55-2 | 9343186 | 9260121 | 9291803 | 9298370 | 0.45 | cps |
| Molybdenum | 94-1 | 9957232 | 10307447 | 10140159 | 10134946 | 1.73 | cps |
| Molybdenum | 95-1 | 14489186 | 14650381 | 14664674 | 14601414 | 0.67 | cps |
| Molybdenum | 96-1 | 15784438 | 15949296 | 16079952 | 15937895 | 0.93 | cps |
| Molybdenum | 97-1 | 8961001 | 9189505 | 9101931 | 9084146 | 1.27 | cps |
| Molybdenum | 98-1 | 23185547 | 23690990 | 23647276 | 23507938 | 1.19 | cps |
| Neodymium | 150-1 | 180 | 197 | 160 | 179 | 10.26 | cps |
| Neodymium | 150-2 | 80 | 57 | 67 | 68 | 17.27 | cps |
| Nickel | 60-2 | 503331 | 502910 | 502410 | 502884 | 0.09 | cps |
| Phosphorus | 31-2 | 79013 | 77716 | 79495 | 78741 | 1.17 | cps |
| Potassium | 39-2 | 37628206 | 38018306 | 37876683 | 37841065 | 0.52 | cps |
| Rhodium | 103-1 | 4205765 | 4266453 | 4203782 | 4225333 | 0.84 | cps |
| Rhodium | 103-2 | 2753793 | 2851817 | 2745547 | 2783719 | 2.12 | cps |
| Scandium | 45-1 | 2538552 | 2583649 | 2516508 | 2546236 | 1.34 | cps |
| Scandium | 45-2 | 296633 | 295032 | 297440 | 296368 | 0.41 | cps |
| Selenium | 82-1 | 39111 | 40208 | 40116 | 39812 | 1.53 | cps |
| Selenium | 77-2 | 4691 | 4798 | 4797 | 4762 | 1.29 | cps |
| Selenium | 78-2 | 16479 | 16189 | 16436 | 16368 | 0.96 | cps |
| Silicon | 28-1 | 14670386 | 15097396 | 15003033 | 14923605 | 1.50 | cps |
| Silver | 107-1 | 3237807 | 3325510 | 3286891 | 3283402 | 1.34 | cps |
| Silver | 109-1 | 3059955 | 3146682 | 3159914 | 3122184 | 1.74 | cps |
| Sodium | 23-2 | 97337112 | 97259712 | 96855072 | 97150632 | 0.27 | cps |
| Strontium | 86-1 | 20452499 | 21059939 | 20791757 | 20768065 | 1.47 | cps |
| Strontium | 88-1 | 179052511 | 184412144 | 183488717 | 182317791 | 1.57 | cps |
| Sulfur | 34-1 | 279108 | 282379 | 282923 | 281470 | 0.73 | cps |
| Terbium | 159-1 | 6077608 | 6169296 | 5999571 | 6082158 | 1.40 | cps |
| Terbium | 159-2 | 4010542 | 4024136 | 4045429 | 4026703 | 0.44 | cps |
| Thallium | 203-1 | 2370701 | 2409737 | 2456067 | 2412168 | 1.77 | cps |
| Thallium | 205-1 | 5550351 | 5718284 | 5657934 | 5642189 | 1.51 | cps |
| Tin | 118-1 | 2063901 | 2138702 | 2176242 | 2126282 | 2.69 | cps |
| Titanium | 47-1 | 3391252 | 3462347 | 3466343 | 3439981 | 1.23 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV036 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV036 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 13:57:36 | DataFile Name : | 030CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7722125 | 7830430 | 7762318 | 7771624 | 0.70 | cps |
| Vanadium | 51-2 | 1202472 | 1191784 | 1183769 | 1192675 | 0.79 | cps |
| Yttrium | 89-1 | 7913545 | 8026632 | 7870117 | 7936764 | 1.02 | cps |
| Yttrium | 89-2 | 2275319 | 2320525 | 2317655 | 2304500 | 1.10 | cps |
| Zinc | 66-2 | 2399769 | 2420637 | 2378178 | 2399528 | 0.88 | cps |
| Zirconium | 90-1 | 4502692 | 4591003 | 4596467 | 4563387 | 1.15 | cps |
| Zirconium | 91-1 | 979546 | 1004509 | 1004930 | 996328 | 1.46 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB036 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB036 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:00:36 | DataFile Name : | 031CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 653 | 467 | 497 | 539 | 18.60 | cps |
| Antimony | 121-1 | 1587 | 1533 | 1703 | 1608 | 5.41 | cps |
| Arsenic | 75-2 | 23 | 10 | 20 | 18 | 39.03 | cps |
| Barium | 135-1 | 243 | 240 | 177 | 220 | 17.07 | cps |
| Barium | 137-1 | 427 | 413 | 283 | 374 | 21.15 | cps |
| Beryllium | 9-1 | 40 | 37 | 20 | 32 | 33.25 | cps |
| Bismuth | 209-1 | 3768325 | 3674775 | 3647136 | 3696745 | 1.72 | cps |
| Bismuth | 209-2 | 2826478 | 2795572 | 2759368 | 2793806 | 1.20 | cps |
| Bromine | 81-1 | 5301 | 5184 | 5151 | 5212 | 1.51 | cps |
| Bromine | 81-2 | 110 | 93 | 50 | 84 | 36.68 | cps |
| Cadmium | 108-1 | 7 | 10 | 27 | 14 | 74.18 | cps |
| Cadmium | 106-1 | 1157 | 1110 | 1063 | 1110 | 4.20 | cps |
| Cadmium | 111-1 | 898 | 830 | 789 | 839 | 6.58 | cps |
| Calcium | 43-1 | 360 | 280 | 293 | 311 | 13.78 | cps |
| Calcium | 44-1 | 13106 | 12359 | 12229 | 12564 | 3.77 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 650 | 677 | 663 | 663 | 2.01 | cps |
| Cobalt | 59-2 | 150 | 183 | 133 | 156 | 16.37 | cps |
| Copper | 63-2 | 1853 | 1953 | 1733 | 1847 | 5.97 | cps |
| Dysprosium | 156-1 | 160 | 110 | 110 | 127 | 22.79 | cps |
| Dysprosium | 156-2 | 27 | 27 | 37 | 30 | 19.24 | cps |
| Erbium | 164-1 | 37 | 47 | 47 | 43 | 13.32 | cps |
| Erbium | 164-2 | 30 | 23 | 30 | 28 | 13.86 | cps |
| Gadolinium | 160-1 | 27 | 23 | 40 | 30 | 29.40 | cps |
| Gadolinium | 160-2 | 153 | 210 | 210 | 191 | 17.12 | cps |
| Holmium | 165-1 | 5839340 | 5833183 | 5716555 | 5796359 | 1.19 | cps |
| Holmium | 165-2 | 4035637 | 3984396 | 3874936 | 3964990 | 2.07 | cps |
| Indium | 115-1 | 4795795 | 4836318 | 4704899 | 4779004 | 1.41 | cps |
| Indium | 115-2 | 1735945 | 1778220 | 1749770 | 1754645 | 1.23 | cps |
| Iron | 56-2 | 20120 | 19743 | 19519 | 19794 | 1.53 | cps |
| Iron | 57-2 | 2847 | 2834 | 2807 | 2829 | 0.72 | cps |
| Iron | 54-2 | 2361 | 1757 | 1760 | 1959 | 17.77 | cps |
| Krypton | 83-1 | 137 | 163 | 197 | 166 | 18.16 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB036 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB036 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:00:36 | DataFile Name : | 031CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 917 | 967 | 677 | 853 | 18.17 | cps |
| Lead | 207-1 | 863 | 747 | 653 | 754 | 13.95 | cps |
| Lead | 208-1 | 3840 | 3464 | 3010 | 3438 | 12.09 | cps |
| Lithium | 6-1 | 576081 | 568030 | 568487 | 570866 | 0.79 | cps |
| Magnesium | 24-2 | 16715 | 2147 | 1937 | 6933 | 122.20 | cps |
| Manganese | 55-2 | 947 | 817 | 910 | 891 | 7.52 | cps |
| Molybdenum | 94-1 | 973 | 757 | 773 | 834 | 14.45 | cps |
| Molybdenum | 95-1 | 1183 | 903 | 810 | 966 | 20.12 | cps |
| Molybdenum | 96-1 | 1263 | 1020 | 1000 | 1095 | 13.40 | cps |
| Molybdenum | 97-1 | 707 | 557 | 623 | 629 | 11.95 | cps |
| Molybdenum | 98-1 | 1980 | 1587 | 1497 | 1688 | 15.23 | cps |
| Neodymium | 150-1 | 10 | 13 | 17 | 13 | 25.01 | cps |
| Neodymium | 150-2 | 7 | 10 | 17 | 11 | 45.82 | cps |
| Nickel | 60-2 | 110 | 117 | 63 | 97 | 30.06 | cps |
| Phosphorus | 31-2 | 90 | 150 | 140 | 127 | 25.38 | cps |
| Potassium | 39-2 | 81584 | 81758 | 81279 | 81540 | 0.30 | cps |
| Rhodium | 103-1 | 4527926 | 4444499 | 4461588 | 4478004 | 0.98 | cps |
| Rhodium | 103-2 | 2964842 | 2975457 | 2920049 | 2953449 | 1.00 | cps |
| Scandium | 45-1 | 2589843 | 2566804 | 2525127 | 2560591 | 1.28 | cps |
| Scandium | 45-2 | 296193 | 294272 | 292683 | 294383 | 0.60 | cps |
| Selenium | 82-1 | 305 | 290 | 227 | 274 | 15.18 | cps |
| Selenium | 77-2 | 3 | 0 | 3 | 2 | 86.60 | cps |
| Selenium | 78-2 | 320 | 393 | 297 | 337 | 14.98 | cps |
| Silicon | 28-1 | 175060 | 174032 | 171759 | 173617 | 0.97 | cps |
| Silver | 107-1 | 447 | 343 | 310 | 367 | 19.43 | cps |
| Silver | 109-1 | 413 | 397 | 313 | 374 | 14.31 | cps |
| Sodium | 23-2 | 51847 | 51218 | 49506 | 50857 | 2.38 | cps |
| Strontium | 86-1 | 1270 | 1070 | 907 | 1082 | 16.82 | cps |
| Strontium | 88-1 | 8929 | 6735 | 5845 | 7170 | 22.15 | cps |
| Sulfur | 34-1 | 124938 | 126138 | 125110 | 125396 | 0.52 | cps |
| Terbium | 159-1 | 6054681 | 6182384 | 5926603 | 6054556 | 2.11 | cps |
| Terbium | 159-2 | 3942700 | 3984141 | 3853209 | 3926684 | 1.70 | cps |
| Thallium | 203-1 | 493 | 457 | 343 | 431 | 18.14 | cps |
| Thallium | 205-1 | 1230 | 1130 | 903 | 1088 | 15.39 | cps |
| Tin | 118-1 | 1557 | 1743 | 1760 | 1687 | 6.69 | cps |
| Titanium | 47-1 | 213 | 250 | 277 | 247 | 12.89 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB036 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB036 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:00:36 | DataFile Name : | 031CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 407 | 303 | 320 | 343 | 16.16 | cps |
| Vanadium | 51-2 | 37 | 57 | 33 | 42 | 29.89 | cps |
| Yttrium | 89-1 | 7937053 | 7993800 | 7807843 | 7912898 | 1.20 | cps |
| Yttrium | 89-2 | 2350846 | 2329556 | 2307336 | 2329246 | 0.93 | cps |
| Zinc | 66-2 | 453 | 463 | 437 | 451 | 2.99 | cps |
| Zirconium | 90-1 | 730 | 673 | 527 | 643 | 16.31 | cps |
| Zirconium | 91-1 | 127 | 133 | 120 | 127 | 5.27 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164345BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS345 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:05:45 | DataFile Name : | 032CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 427 | 337 | 327 | 363 | 15.16 | cps |
| Antimony | 121-1 | 333 | 323 | 327 | 328 | 1.55 | cps |
| Arsenic | 75-2 | 7 | 10 | 13 | 10 | 33.30 | cps |
| Barium | 135-1 | 127 | 103 | 170 | 133 | 25.37 | cps |
| Barium | 137-1 | 267 | 183 | 213 | 221 | 19.09 | cps |
| Beryllium | 9-1 | 30 | 30 | 17 | 26 | 30.11 | cps |
| Bismuth | 209-1 | 3780437 | 3617646 | 3636793 | 3678292 | 2.42 | cps |
| Bismuth | 209-2 | 2815281 | 2753344 | 2796467 | 2788364 | 1.14 | cps |
| Bromine | 81-1 | 5241 | 5244 | 5278 | 5254 | 0.39 | cps |
| Bromine | 81-2 | 60 | 100 | 117 | 92 | 31.58 | cps |
| Cadmium | 108-1 | 7 | 3 | 0 | 3 | 100.05 | cps |
| Cadmium | 106-1 | 973 | 1057 | 983 | 1004 | 4.53 | cps |
| Cadmium | 111-1 | 700 | 754 | 728 | 727 | 3.71 | cps |
| Calcium | 43-1 | 240 | 250 | 200 | 230 | 11.50 | cps |
| Calcium | 44-1 | 11491 | 11278 | 10834 | 11201 | 2.99 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 597 | 587 | 547 | 577 | 4.59 | cps |
| Cobalt | 59-2 | 160 | 93 | 127 | 127 | 26.31 | cps |
| Copper | 63-2 | 1323 | 1473 | 1410 | 1402 | 5.37 | cps |
| Dysprosium | 156-1 | 120 | 120 | 140 | 127 | 9.12 | cps |
| Dysprosium | 156-2 | 33 | 50 | 43 | 42 | 19.87 | cps |
| Erbium | 164-1 | 50 | 27 | 20 | 32 | 48.88 | cps |
| Erbium | 164-2 | 17 | 30 | 17 | 21 | 36.45 | cps |
| Gadolinium | 160-1 | 40 | 13 | 50 | 34 | 55.04 | cps |
| Gadolinium | 160-2 | 100 | 167 | 123 | 130 | 26.02 | cps |
| Holmium | 165-1 | 5943881 | 5807257 | 5717718 | 5822952 | 1.96 | cps |
| Holmium | 165-2 | 3960243 | 3926540 | 3952484 | 3946422 | 0.45 | cps |
| Indium | 115-1 | 4855410 | 4832192 | 4686217 | 4791273 | 1.91 | cps |
| Indium | 115-2 | 1799414 | 1775743 | 1760537 | 1778564 | 1.10 | cps |
| Iron | 56-2 | 14117 | 14067 | 14053 | 14079 | 0.24 | cps |
| Iron | 57-2 | 2527 | 2604 | 2770 | 2634 | 4.72 | cps |
| Iron | 54-2 | 1503 | 1547 | 1457 | 1502 | 3.00 | cps |
| Krypton | 83-1 | 210 | 150 | 160 | 173 | 18.55 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164345BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS345 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:05:45 | DataFile Name : | 032CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 543 | 443 | 403 | 463 | 15.56 | cps |
| Lead | 207-1 | 447 | 430 | 430 | 436 | 2.21 | cps |
| Lead | 208-1 | 2107 | 1897 | 1967 | 1990 | 5.37 | cps |
| Lithium | 6-1 | 578883 | 570263 | 566229 | 571792 | 1.13 | cps |
| Magnesium | 24-2 | 1160 | 1113 | 1157 | 1143 | 2.28 | cps |
| Manganese | 55-2 | 610 | 657 | 563 | 610 | 7.65 | cps |
| Molybdenum | 94-1 | 320 | 270 | 263 | 284 | 10.89 | cps |
| Molybdenum | 95-1 | 310 | 283 | 330 | 308 | 7.61 | cps |
| Molybdenum | 96-1 | 353 | 340 | 297 | 330 | 8.98 | cps |
| Molybdenum | 97-1 | 203 | 180 | 200 | 194 | 6.49 | cps |
| Molybdenum | 98-1 | 490 | 437 | 480 | 469 | 6.05 | cps |
| Neodymium | 150-1 | 3 | 13 | 7 | 8 | 65.47 | cps |
| Neodymium | 150-2 | 0 | 7 | 3 | 3 | 100.05 | cps |
| Nickel | 60-2 | 93 | 80 | 63 | 79 | 19.05 | cps |
| Phosphorus | 31-2 | 97 | 123 | 127 | 116 | 14.23 | cps |
| Potassium | 39-2 | 79999 | 78826 | 79851 | 79559 | 0.80 | cps |
| Rhodium | 103-1 | 4547067 | 4490292 | 4479554 | 4505638 | 0.81 | cps |
| Rhodium | 103-2 | 2991598 | 2978597 | 2959894 | 2976696 | 0.54 | cps |
| Scandium | 45-1 | 2643293 | 2571163 | 2605791 | 2606749 | 1.38 | cps |
| Scandium | 45-2 | 296766 | 293714 | 290566 | 293682 | 1.06 | cps |
| Selenium | 82-1 | 220 | 255 | 213 | 229 | 9.86 | cps |
| Selenium | 77-2 | 7 | 0 | 7 | 4 | 86.60 | cps |
| Selenium | 78-2 | 320 | 323 | 317 | 320 | 1.04 | cps |
| Silicon | 28-1 | 170896 | 171358 | 168986 | 170413 | 0.74 | cps |
| Silver | 107-1 | 147 | 140 | 97 | 128 | 21.25 | cps |
| Silver | 109-1 | 160 | 147 | 90 | 132 | 28.11 | cps |
| Sodium | 23-2 | 42947 | 43237 | 41990 | 42725 | 1.53 | cps |
| Strontium | 86-1 | 600 | 550 | 627 | 592 | 6.57 | cps |
| Strontium | 88-1 | 2437 | 2334 | 2427 | 2399 | 2.38 | cps |
| Sulfur | 34-1 | 124814 | 125023 | 124683 | 124840 | 0.14 | cps |
| Terbium | 159-1 | 6131667 | 6005579 | 5965528 | 6034258 | 1.44 | cps |
| Terbium | 159-2 | 3968688 | 3985531 | 3928768 | 3960996 | 0.74 | cps |
| Thallium | 203-1 | 253 | 260 | 243 | 252 | 3.33 | cps |
| Thallium | 205-1 | 543 | 550 | 483 | 526 | 6.99 | cps |
| Tin | 118-1 | 1360 | 1337 | 1363 | 1353 | 1.07 | cps |
| Titanium | 47-1 | 150 | 137 | 160 | 149 | 7.86 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164345BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS345 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:05:45 | DataFile Name : | 032CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 107 | 83 | 70 | 87 | 21.42 | cps |
| Vanadium | 51-2 | 50 | 17 | 30 | 32 | 52.06 | cps |
| Yttrium | 89-1 | 7983562 | 8095378 | 7770837 | 7949926 | 2.07 | cps |
| Yttrium | 89-2 | 2358166 | 2367099 | 2316547 | 2347271 | 1.15 | cps |
| Zinc | 66-2 | 397 | 373 | 350 | 373 | 6.25 | cps |
| Zirconium | 90-1 | 350 | 350 | 370 | 357 | 3.24 | cps |
| Zirconium | 91-1 | 80 | 100 | 90 | 90 | 11.11 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164345BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD345 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:12:21 | DataFile Name : | 034LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3040 | 3117 | 3110 | 3089 | 1.37 | cps |
| Antimony | 121-1 | 10801 | 10431 | 10507 | 10580 | 1.85 | cps |
| Arsenic | 75-2 | 403 | 463 | 390 | 419 | 9.33 | cps |
| Barium | 135-1 | 12312 | 12632 | 12292 | 12412 | 1.54 | cps |
| Barium | 137-1 | 21239 | 21500 | 21496 | 21412 | 0.70 | cps |
| Beryllium | 9-1 | 540 | 523 | 623 | 562 | 9.53 | cps |
| Bismuth | 209-1 | 3727200 | 3692798 | 3647282 | 3689093 | 1.09 | cps |
| Bismuth | 209-2 | 2761107 | 2781059 | 2802481 | 2781549 | 0.74 | cps |
| Bromine | 81-1 | 5191 | 5314 | 5188 | 5231 | 1.38 | cps |
| Bromine | 81-2 | 70 | 93 | 83 | 82 | 14.24 | cps |
| Cadmium | 108-1 | 120 | 93 | 140 | 118 | 19.88 | cps |
| Cadmium | 106-1 | 1390 | 1193 | 1203 | 1262 | 8.78 | cps |
| Cadmium | 111-1 | 2326 | 2323 | 2271 | 2307 | 1.34 | cps |
| Calcium | 43-1 | 6571 | 6348 | 6742 | 6554 | 3.01 | cps |
| Calcium | 44-1 | 118307 | 117242 | 117057 | 117535 | 0.57 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 6485 | 6468 | 6091 | 6348 | 3.51 | cps |
| Cobalt | 59-2 | 4027 | 4141 | 3921 | 4029 | 2.73 | cps |
| Copper | 63-2 | 7245 | 7482 | 7449 | 7392 | 1.73 | cps |
| Dysprosium | 156-1 | 170 | 93 | 127 | 130 | 29.57 | cps |
| Dysprosium | 156-2 | 53 | 63 | 40 | 52 | 22.41 | cps |
| Erbium | 164-1 | 20 | 63 | 33 | 39 | 57.07 | cps |
| Erbium | 164-2 | 33 | 3 | 23 | 20 | 76.39 | cps |
| Gadolinium | 160-1 | 13 | 27 | 23 | 21 | 32.88 | cps |
| Gadolinium | 160-2 | 150 | 197 | 187 | 178 | 13.82 | cps |
| Holmium | 165-1 | 5958712 | 5885930 | 5826625 | 5890422 | 1.12 | cps |
| Holmium | 165-2 | 3940150 | 3939941 | 3961310 | 3947134 | 0.31 | cps |
| Indium | 115-1 | 4833956 | 4789341 | 4756189 | 4793162 | 0.81 | cps |
| Indium | 115-2 | 1761473 | 1757600 | 1783838 | 1767637 | 0.80 | cps |
| Iron | 56-2 | 481309 | 475493 | 479928 | 478910 | 0.63 | cps |
| Iron | 57-2 | 14527 | 14180 | 14384 | 14364 | 1.21 | cps |
| Iron | 54-2 | 27559 | 27756 | 27308 | 27541 | 0.81 | cps |
| Krypton | 83-1 | 207 | 207 | 223 | 212 | 4.53 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164345BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD345 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:12:21 | DataFile Name : | 034LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 3891 | 3944 | 3831 | 3888 | 1.46 | cps |
| Lead | 207-1 | 3577 | 3494 | 3374 | 3482 | 2.94 | cps |
| Lead | 208-1 | 16134 | 15850 | 15400 | 15795 | 2.34 | cps |
| Lithium | 6-1 | 570633 | 569363 | 560673 | 566890 | 0.96 | cps |
| Magnesium | 24-2 | 122469 | 121206 | 121801 | 121825 | 0.52 | cps |
| Manganese | 55-2 | 2584 | 2464 | 2600 | 2549 | 2.93 | cps |
| Molybdenum | 94-1 | 10787 | 10757 | 11191 | 10912 | 2.22 | cps |
| Molybdenum | 95-1 | 13353 | 13380 | 13663 | 13465 | 1.28 | cps |
| Molybdenum | 96-1 | 14477 | 14234 | 14791 | 14501 | 1.93 | cps |
| Molybdenum | 97-1 | 7752 | 8256 | 8479 | 8162 | 4.56 | cps |
| Molybdenum | 98-1 | 21436 | 21499 | 21069 | 21335 | 1.09 | cps |
| Neodymium | 150-1 | 3 | 10 | 10 | 8 | 49.52 | cps |
| Neodymium | 150-2 | 3 | 3 | 3 | 3 | 0.00 | cps |
| Nickel | 60-2 | 1260 | 1100 | 1113 | 1158 | 7.67 | cps |
| Phosphorus | 31-2 | 117 | 127 | 143 | 129 | 10.45 | cps |
| Potassium | 39-2 | 237417 | 235027 | 235951 | 236132 | 0.51 | cps |
| Rhodium | 103-1 | 4582912 | 4510714 | 4451026 | 4514884 | 1.46 | cps |
| Rhodium | 103-2 | 2943911 | 2963403 | 2957490 | 2954935 | 0.34 | cps |
| Scandium | 45-1 | 2648954 | 2559321 | 2559377 | 2589217 | 2.00 | cps |
| Scandium | 45-2 | 295161 | 292909 | 295340 | 294470 | 0.46 | cps |
| Selenium | 82-1 | 650 | 658 | 633 | 647 | 1.91 | cps |
| Selenium | 77-2 | 50 | 80 | 57 | 62 | 25.32 | cps |
| Selenium | 78-2 | 477 | 480 | 493 | 483 | 1.82 | cps |
| Silicon | 28-1 | 193588 | 192093 | 194182 | 193288 | 0.56 | cps |
| Silver | 107-1 | 6108 | 6108 | 6125 | 6114 | 0.16 | cps |
| Silver | 109-1 | 5928 | 5705 | 5881 | 5838 | 2.02 | cps |
| Sodium | 23-2 | 235436 | 230932 | 233058 | 233142 | 0.97 | cps |
| Strontium | 86-1 | 2350 | 2137 | 2300 | 2262 | 4.93 | cps |
| Strontium | 88-1 | 16643 | 17037 | 16549 | 16743 | 1.54 | cps |
| Sulfur | 34-1 | 127466 | 128814 | 128599 | 128293 | 0.56 | cps |
| Terbium | 159-1 | 6179961 | 6045330 | 5949079 | 6058124 | 1.91 | cps |
| Terbium | 159-2 | 3973964 | 3943846 | 3960088 | 3959299 | 0.38 | cps |
| Thallium | 203-1 | 4191 | 4217 | 4407 | 4272 | 2.77 | cps |
| Thallium | 205-1 | 10231 | 10377 | 9977 | 10195 | 1.99 | cps |
| Tin | 118-1 | 1470 | 1470 | 1257 | 1399 | 8.81 | cps |
| Titanium | 47-1 | 3350 | 3480 | 3357 | 3396 | 2.16 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164345BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD345 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:12:21 | DataFile Name : | 034LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 13440 | 13117 | 13073 | 13210 | 1.52 | cps |
| Vanadium | 51-2 | 11501 | 11841 | 11958 | 11767 | 2.02 | cps |
| Yttrium | 89-1 | 8189864 | 8002701 | 7871714 | 8021426 | 1.99 | cps |
| Yttrium | 89-2 | 2396019 | 2333419 | 2343657 | 2357698 | 1.42 | cps |
| Zinc | 66-2 | 2890 | 2987 | 2727 | 2868 | 4.58 | cps |
| Zirconium | 90-1 | 9243 | 9607 | 9450 | 9433 | 1.93 | cps |
| Zirconium | 91-1 | 2067 | 2040 | 2134 | 2080 | 2.31 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164349BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS349 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:15:39 | DataFile Name : | 035CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 393 | 340 | 380 | 371 | 7.48 | cps |
| Antimony | 121-1 | 137 | 120 | 210 | 156 | 30.78 | cps |
| Arsenic | 75-2 | 7 | 7 | 3 | 6 | 34.70 | cps |
| Barium | 135-1 | 117 | 127 | 107 | 117 | 8.57 | cps |
| Barium | 137-1 | 193 | 163 | 200 | 186 | 10.52 | cps |
| Beryllium | 9-1 | 13 | 10 | 27 | 17 | 52.93 | cps |
| Bismuth | 209-1 | 3745036 | 3670363 | 3581579 | 3665659 | 2.23 | cps |
| Bismuth | 209-2 | 2771326 | 2791743 | 2825167 | 2796078 | 0.97 | cps |
| Bromine | 81-1 | 5004 | 5304 | 5444 | 5251 | 4.28 | cps |
| Bromine | 81-2 | 93 | 53 | 60 | 69 | 31.11 | cps |
| Cadmium | 108-1 | 0 | 7 | 3 | 3 | 100.05 | cps |
| Cadmium | 106-1 | 1133 | 1137 | 1257 | 1176 | 5.98 | cps |
| Cadmium | 111-1 | 807 | 821 | 904 | 844 | 6.23 | cps |
| Calcium | 43-1 | 210 | 190 | 223 | 208 | 8.08 | cps |
| Calcium | 44-1 | 11691 | 10984 | 11361 | 11346 | 3.12 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 610 | 587 | 530 | 576 | 7.15 | cps |
| Cobalt | 59-2 | 77 | 130 | 93 | 100 | 27.28 | cps |
| Copper | 63-2 | 1177 | 1177 | 1070 | 1141 | 5.40 | cps |
| Dysprosium | 156-1 | 140 | 130 | 107 | 126 | 13.62 | cps |
| Dysprosium | 156-2 | 53 | 23 | 50 | 42 | 38.95 | cps |
| Erbium | 164-1 | 43 | 30 | 27 | 33 | 26.45 | cps |
| Erbium | 164-2 | 17 | 37 | 27 | 27 | 37.50 | cps |
| Gadolinium | 160-1 | 10 | 20 | 40 | 23 | 65.47 | cps |
| Gadolinium | 160-2 | 140 | 177 | 170 | 162 | 12.04 | cps |
| Holmium | 165-1 | 5968473 | 5865914 | 5759085 | 5864490 | 1.79 | cps |
| Holmium | 165-2 | 3997454 | 3970518 | 3975169 | 3981047 | 0.36 | cps |
| Indium | 115-1 | 4899828 | 4797446 | 4751169 | 4816148 | 1.58 | cps |
| Indium | 115-2 | 1772340 | 1792941 | 1798961 | 1788081 | 0.78 | cps |
| Iron | 56-2 | 14634 | 14827 | 13046 | 14169 | 6.90 | cps |
| Iron | 57-2 | 2674 | 2830 | 2740 | 2748 | 2.86 | cps |
| Iron | 54-2 | 1457 | 1507 | 1450 | 1471 | 2.11 | cps |
| Krypton | 83-1 | 233 | 173 | 190 | 199 | 15.57 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164349BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS349 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:15:39 | DataFile Name : | 035CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 490 | 443 | 367 | 433 | 14.37 | cps |
| Lead | 207-1 | 333 | 320 | 430 | 361 | 16.62 | cps |
| Lead | 208-1 | 1710 | 1597 | 1687 | 1665 | 3.60 | cps |
| Lithium | 6-1 | 578911 | 574891 | 560546 | 571449 | 1.69 | cps |
| Magnesium | 24-2 | 1000 | 993 | 990 | 994 | 0.51 | cps |
| Manganese | 55-2 | 570 | 540 | 513 | 541 | 5.24 | cps |
| Molybdenum | 94-1 | 243 | 247 | 247 | 246 | 0.78 | cps |
| Molybdenum | 95-1 | 227 | 197 | 240 | 221 | 10.04 | cps |
| Molybdenum | 96-1 | 217 | 253 | 203 | 224 | 11.54 | cps |
| Molybdenum | 97-1 | 163 | 143 | 163 | 157 | 7.37 | cps |
| Molybdenum | 98-1 | 343 | 340 | 367 | 350 | 4.15 | cps |
| Neodymium | 150-1 | 7 | 0 | 7 | 4 | 86.60 | cps |
| Neodymium | 150-2 | 7 | 0 | 3 | 3 | 100.05 | cps |
| Nickel | 60-2 | 77 | 130 | 63 | 90 | 39.20 | cps |
| Phosphorus | 31-2 | 73 | 167 | 127 | 122 | 38.31 | cps |
| Potassium | 39-2 | 79194 | 80391 | 79865 | 79817 | 0.75 | cps |
| Rhodium | 103-1 | 4561226 | 4544594 | 4424007 | 4509942 | 1.66 | cps |
| Rhodium | 103-2 | 2992054 | 2954806 | 2958385 | 2968415 | 0.69 | cps |
| Scandium | 45-1 | 2688670 | 2594902 | 2585177 | 2622916 | 2.18 | cps |
| Scandium | 45-2 | 293861 | 293157 | 292292 | 293103 | 0.27 | cps |
| Selenium | 82-1 | 181 | 280 | 242 | 234 | 21.15 | cps |
| Selenium | 77-2 | 7 | 3 | 0 | 3 | 100.05 | cps |
| Selenium | 78-2 | 313 | 297 | 337 | 316 | 6.37 | cps |
| Silicon | 28-1 | 171075 | 170752 | 171132 | 170986 | 0.12 | cps |
| Silver | 107-1 | 170 | 147 | 143 | 153 | 9.47 | cps |
| Silver | 109-1 | 123 | 137 | 137 | 132 | 5.82 | cps |
| Sodium | 23-2 | 38047 | 39070 | 39090 | 38735 | 1.54 | cps |
| Strontium | 86-1 | 463 | 560 | 477 | 500 | 10.48 | cps |
| Strontium | 88-1 | 1977 | 2014 | 2100 | 2030 | 3.12 | cps |
| Sulfur | 34-1 | 127526 | 128370 | 130051 | 128649 | 1.00 | cps |
| Terbium | 159-1 | 6169653 | 5986408 | 6003157 | 6053073 | 1.67 | cps |
| Terbium | 159-2 | 3952314 | 3875948 | 3965364 | 3931209 | 1.23 | cps |
| Thallium | 203-1 | 190 | 137 | 137 | 154 | 19.94 | cps |
| Thallium | 205-1 | 450 | 357 | 423 | 410 | 11.72 | cps |
| Tin | 118-1 | 1240 | 1293 | 1377 | 1303 | 5.29 | cps |
| Titanium | 47-1 | 160 | 167 | 133 | 153 | 11.50 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164349BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS349 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:15:39 | DataFile Name : | 035CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 137 | 130 | 110 | 126 | 11.05 | cps |
| Vanadium | 51-2 | 23 | 33 | 30 | 29 | 17.63 | cps |
| Yttrium | 89-1 | 8010444 | 8024399 | 7881626 | 7972156 | 0.99 | cps |
| Yttrium | 89-2 | 2385684 | 2332751 | 2345320 | 2354585 | 1.17 | cps |
| Zinc | 66-2 | 350 | 340 | 377 | 356 | 5.33 | cps |
| Zirconium | 90-1 | 383 | 317 | 320 | 340 | 11.05 | cps |
| Zirconium | 91-1 | 60 | 47 | 50 | 52 | 13.28 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164349BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS349 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:24:43 | DataFile Name : | 037LCSE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6055 | 5741 | 5538 | 5778 | 4.51 | cps |
| Antimony | 121-1 | 20665 | 20712 | 21256 | 20877 | 1.57 | cps |
| Arsenic | 75-2 | 637 | 703 | 770 | 703 | 9.48 | cps |
| Barium | 135-1 | 24702 | 24434 | 24254 | 24463 | 0.92 | cps |
| Barium | 137-1 | 41865 | 42336 | 41547 | 41916 | 0.95 | cps |
| Beryllium | 9-1 | 1183 | 1207 | 1140 | 1177 | 2.88 | cps |
| Bismuth | 209-1 | 3588780 | 3522140 | 3367486 | 3492802 | 3.25 | cps |
| Bismuth | 209-2 | 2674925 | 2740940 | 2700338 | 2705401 | 1.23 | cps |
| Bromine | 81-1 | 5398 | 5304 | 5501 | 5401 | 1.82 | cps |
| Bromine | 81-2 | 63 | 77 | 73 | 71 | 9.76 | cps |
| Cadmium | 108-1 | 177 | 200 | 197 | 191 | 6.60 | cps |
| Cadmium | 106-1 | 1257 | 1313 | 1173 | 1248 | 5.64 | cps |
| Cadmium | 111-1 | 3643 | 3366 | 3397 | 3469 | 4.37 | cps |
| Calcium | 43-1 | 13616 | 13436 | 13363 | 13472 | 0.97 | cps |
| Calcium | 44-1 | 225557 | 227141 | 224916 | 225871 | 0.51 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 12122 | 12035 | 12238 | 12132 | 0.84 | cps |
| Cobalt | 59-2 | 8156 | 8072 | 8056 | 8094 | 0.66 | cps |
| Copper | 63-2 | 12969 | 12642 | 12842 | 12818 | 1.29 | cps |
| Dysprosium | 156-1 | 103 | 143 | 180 | 142 | 26.96 | cps |
| Dysprosium | 156-2 | 20 | 30 | 50 | 33 | 45.83 | cps |
| Erbium | 164-1 | 43 | 23 | 33 | 33 | 30.00 | cps |
| Erbium | 164-2 | 20 | 13 | 30 | 21 | 39.75 | cps |
| Gadolinium | 160-1 | 17 | 23 | 27 | 22 | 22.91 | cps |
| Gadolinium | 160-2 | 150 | 200 | 190 | 180 | 14.70 | cps |
| Holmium | 165-1 | 5737277 | 5617828 | 5247339 | 5534148 | 4.62 | cps |
| Holmium | 165-2 | 3909364 | 3859514 | 3869103 | 3879327 | 0.68 | cps |
| Indium | 115-1 | 4879527 | 4731067 | 4458600 | 4689731 | 4.55 | cps |
| Indium | 115-2 | 1775448 | 1777902 | 1750836 | 1768062 | 0.85 | cps |
| Iron | 56-2 | 953086 | 948926 | 944442 | 948818 | 0.46 | cps |
| Iron | 57-2 | 26634 | 26954 | 26193 | 26594 | 1.44 | cps |
| Iron | 54-2 | 54505 | 53806 | 54070 | 54127 | 0.65 | cps |
| Krypton | 83-1 | 217 | 207 | 167 | 197 | 13.45 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164349BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS349 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:24:43 | DataFile Name : | 037LCSE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 6892 | 6818 | 7012 | 6907 | 1.41 | cps |
| Lead | 207-1 | 6228 | 6342 | 6105 | 6225 | 1.90 | cps |
| Lead | 208-1 | 28359 | 28082 | 27845 | 28095 | 0.92 | cps |
| Lithium | 6-1 | 560682 | 558029 | 525845 | 548185 | 3.54 | cps |
| Magnesium | 24-2 | 247406 | 245347 | 246361 | 246371 | 0.42 | cps |
| Manganese | 55-2 | 4361 | 4291 | 4254 | 4302 | 1.26 | cps |
| Molybdenum | 94-1 | 21459 | 21763 | 21803 | 21675 | 0.87 | cps |
| Molybdenum | 95-1 | 25866 | 26474 | 26417 | 26253 | 1.28 | cps |
| Molybdenum | 96-1 | 28969 | 28922 | 29009 | 28967 | 0.15 | cps |
| Molybdenum | 97-1 | 16149 | 16363 | 16189 | 16234 | 0.70 | cps |
| Molybdenum | 98-1 | 41910 | 41963 | 41733 | 41869 | 0.29 | cps |
| Neodymium | 150-1 | 10 | 7 | 17 | 11 | 45.82 | cps |
| Neodymium | 150-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Nickel | 60-2 | 2350 | 2114 | 2084 | 2182 | 6.69 | cps |
| Phosphorus | 31-2 | 117 | 160 | 123 | 133 | 17.50 | cps |
| Potassium | 39-2 | 401849 | 401748 | 399746 | 401114 | 0.30 | cps |
| Rhodium | 103-1 | 4500749 | 4480449 | 4264838 | 4415345 | 2.96 | cps |
| Rhodium | 103-2 | 2965701 | 2969667 | 2937349 | 2957572 | 0.60 | cps |
| Scandium | 45-1 | 2650258 | 2619006 | 2473485 | 2580916 | 3.66 | cps |
| Scandium | 45-2 | 300057 | 300170 | 302329 | 300852 | 0.43 | cps |
| Selenium | 82-1 | 971 | 993 | 1069 | 1011 | 5.09 | cps |
| Selenium | 77-2 | 90 | 63 | 107 | 87 | 25.22 | cps |
| Selenium | 78-2 | 687 | 587 | 717 | 663 | 10.26 | cps |
| Silicon | 28-1 | 221410 | 220640 | 221715 | 221255 | 0.25 | cps |
| Silver | 107-1 | 11862 | 11935 | 12299 | 12032 | 1.95 | cps |
| Silver | 109-1 | 11451 | 11478 | 11625 | 11518 | 0.81 | cps |
| Sodium | 23-2 | 434263 | 431180 | 430015 | 431819 | 0.51 | cps |
| Strontium | 86-1 | 3674 | 3734 | 3661 | 3689 | 1.06 | cps |
| Strontium | 88-1 | 30548 | 30592 | 30799 | 30646 | 0.44 | cps |
| Sulfur | 34-1 | 135598 | 136395 | 134791 | 135595 | 0.59 | cps |
| Terbium | 159-1 | 6029389 | 5890420 | 5646788 | 5855532 | 3.31 | cps |
| Terbium | 159-2 | 3982001 | 3902968 | 3953723 | 3946231 | 1.01 | cps |
| Thallium | 203-1 | 8423 | 8266 | 8129 | 8273 | 1.78 | cps |
| Thallium | 205-1 | 19427 | 19608 | 18990 | 19342 | 1.64 | cps |
| Tin | 118-1 | 1247 | 1423 | 1420 | 1363 | 7.41 | cps |
| Titanium | 47-1 | 6562 | 6658 | 6692 | 6637 | 1.02 | cps |

Reviewed By:Mohan
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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164349BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS349 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:24:43 | DataFile Name : | 037LCSE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 24696 | 24309 | 25314 | 24773 | 2.05 | cps |
| Vanadium | 51-2 | 23632 | 23869 | 23522 | 23674 | 0.75 | cps |
| Yttrium | 89-1 | 7955995 | 7910643 | 7425985 | 7764208 | 3.78 | cps |
| Yttrium | 89-2 | 2376147 | 2383776 | 2342532 | 2367485 | 0.93 | cps |
| Zinc | 66-2 | 5094 | 5378 | 5378 | 5283 | 3.10 | cps |
| Zirconium | 90-1 | 18652 | 18071 | 17968 | 18230 | 2.02 | cps |
| Zirconium | 91-1 | 4031 | 3937 | 4011 | 3993 | 1.23 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164349BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD349 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:28:02 | DataFile Name : | 038LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3024 | 2990 | 3244 | 3086 | 4.46 | cps |
| Antimony | 121-1 | 10651 | 10274 | 10794 | 10573 | 2.54 | cps |
| Arsenic | 75-2 | 383 | 370 | 413 | 389 | 5.71 | cps |
| Barium | 135-1 | 12339 | 12212 | 12309 | 12287 | 0.54 | cps |
| Barium | 137-1 | 21440 | 21526 | 20969 | 21312 | 1.41 | cps |
| Beryllium | 9-1 | 520 | 530 | 567 | 539 | 4.56 | cps |
| Bismuth | 209-1 | 3646387 | 3589945 | 3489923 | 3575418 | 2.22 | cps |
| Bismuth | 209-2 | 2687177 | 2756237 | 2713508 | 2718974 | 1.28 | cps |
| Bromine | 81-1 | 5148 | 5134 | 5234 | 5172 | 1.05 | cps |
| Bromine | 81-2 | 67 | 43 | 50 | 53 | 22.54 | cps |
| Cadmium | 108-1 | 143 | 133 | 127 | 134 | 6.24 | cps |
| Cadmium | 106-1 | 1293 | 1263 | 1257 | 1271 | 1.54 | cps |
| Cadmium | 111-1 | 2589 | 2508 | 2314 | 2470 | 5.70 | cps |
| Calcium | 43-1 | 6662 | 6515 | 6768 | 6648 | 1.91 | cps |
| Calcium | 44-1 | 119560 | 117544 | 118290 | 118465 | 0.86 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 6868 | 6508 | 6401 | 6593 | 3.71 | cps |
| Cobalt | 59-2 | 3897 | 4401 | 4117 | 4138 | 6.10 | cps |
| Copper | 63-2 | 7172 | 6802 | 6555 | 6843 | 4.54 | cps |
| Dysprosium | 156-1 | 143 | 110 | 167 | 140 | 20.34 | cps |
| Dysprosium | 156-2 | 47 | 43 | 50 | 47 | 7.15 | cps |
| Erbium | 164-1 | 33 | 33 | 40 | 36 | 10.83 | cps |
| Erbium | 164-2 | 23 | 13 | 17 | 18 | 28.64 | cps |
| Gadolinium | 160-1 | 33 | 13 | 33 | 27 | 43.31 | cps |
| Gadolinium | 160-2 | 133 | 133 | 173 | 147 | 15.75 | cps |
| Holmium | 165-1 | 5723170 | 5660625 | 5569103 | 5650966 | 1.37 | cps |
| Holmium | 165-2 | 3841709 | 3860315 | 3860353 | 3854125 | 0.28 | cps |
| Indium | 115-1 | 4808618 | 4643616 | 4791385 | 4747873 | 1.91 | cps |
| Indium | 115-2 | 1762352 | 1734056 | 1782257 | 1759555 | 1.38 | cps |
| Iron | 56-2 | 484764 | 479868 | 482642 | 482424 | 0.51 | cps |
| Iron | 57-2 | 15018 | 14614 | 14707 | 14780 | 1.43 | cps |
| Iron | 54-2 | 27859 | 28049 | 27893 | 27934 | 0.36 | cps |
| Krypton | 83-1 | 173 | 187 | 150 | 170 | 10.92 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164349BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD349 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:28:02 | DataFile Name : | 038LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 3847 | 3877 | 3994 | 3906 | 1.98 | cps |
| Lead | 207-1 | 3257 | 3537 | 3257 | 3350 | 4.83 | cps |
| Lead | 208-1 | 15197 | 15857 | 15107 | 15387 | 2.66 | cps |
| Lithium | 6-1 | 558389 | 559061 | 544651 | 554034 | 1.47 | cps |
| Magnesium | 24-2 | 123918 | 123269 | 122886 | 123358 | 0.42 | cps |
| Manganese | 55-2 | 2604 | 2327 | 2630 | 2520 | 6.67 | cps |
| Molybdenum | 94-1 | 11014 | 11084 | 10691 | 10930 | 1.92 | cps |
| Molybdenum | 95-1 | 13350 | 13513 | 12966 | 13276 | 2.12 | cps |
| Molybdenum | 96-1 | 14707 | 14974 | 14474 | 14719 | 1.70 | cps |
| Molybdenum | 97-1 | 8306 | 8289 | 8172 | 8256 | 0.88 | cps |
| Molybdenum | 98-1 | 21429 | 20865 | 20862 | 21052 | 1.55 | cps |
| Neodymium | 150-1 | 3 | 7 | 3 | 4 | 43.40 | cps |
| Neodymium | 150-2 | 7 | 7 | 0 | 4 | 86.60 | cps |
| Nickel | 60-2 | 1120 | 1160 | 1187 | 1156 | 2.90 | cps |
| Phosphorus | 31-2 | 110 | 123 | 150 | 128 | 15.94 | cps |
| Potassium | 39-2 | 242953 | 239797 | 240710 | 241153 | 0.67 | cps |
| Rhodium | 103-1 | 4586561 | 4459097 | 4400514 | 4482057 | 2.12 | cps |
| Rhodium | 103-2 | 2965737 | 2911488 | 2954157 | 2943794 | 0.97 | cps |
| Scandium | 45-1 | 2614129 | 2554094 | 2593361 | 2587195 | 1.18 | cps |
| Scandium | 45-2 | 298450 | 292858 | 294432 | 295247 | 0.98 | cps |
| Selenium | 82-1 | 616 | 610 | 654 | 626 | 3.82 | cps |
| Selenium | 77-2 | 47 | 37 | 47 | 43 | 13.32 | cps |
| Selenium | 78-2 | 533 | 510 | 467 | 503 | 6.72 | cps |
| Silicon | 28-1 | 200323 | 197456 | 197641 | 198473 | 0.81 | cps |
| Silver | 107-1 | 5841 | 6061 | 5915 | 5939 | 1.89 | cps |
| Silver | 109-1 | 5688 | 5601 | 6035 | 5775 | 3.97 | cps |
| Sodium | 23-2 | 234780 | 233570 | 231285 | 233212 | 0.76 | cps |
| Strontium | 86-1 | 2334 | 2130 | 2107 | 2190 | 5.69 | cps |
| Strontium | 88-1 | 16569 | 16589 | 15965 | 16375 | 2.17 | cps |
| Sulfur | 34-1 | 133994 | 133951 | 135679 | 134541 | 0.73 | cps |
| Terbium | 159-1 | 5884468 | 5796103 | 5756390 | 5812320 | 1.13 | cps |
| Terbium | 159-2 | 3892228 | 3812707 | 3844666 | 3849867 | 1.04 | cps |
| Thallium | 203-1 | 4291 | 4131 | 4197 | 4206 | 1.91 | cps |
| Thallium | 205-1 | 10107 | 9810 | 9997 | 9971 | 1.51 | cps |
| Tin | 118-1 | 1563 | 1140 | 1443 | 1382 | 15.79 | cps |
| Titanium | 47-1 | 3284 | 3377 | 3367 | 3343 | 1.53 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164349BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD349 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:28:02 | DataFile Name : | 038LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 12376 | 12489 | 12379 | 12415 | 0.52 | cps |
| Vanadium | 51-2 | 12132 | 12252 | 11461 | 11948 | 3.57 | cps |
| Yttrium | 89-1 | 7956142 | 7938781 | 7824618 | 7906513 | 0.90 | cps |
| Yttrium | 89-2 | 2359405 | 2285785 | 2284921 | 2310037 | 1.85 | cps |
| Zinc | 66-2 | 2737 | 3067 | 3034 | 2946 | 6.17 | cps |
| Zirconium | 90-1 | 9520 | 9303 | 9073 | 9299 | 2.40 | cps |
| Zirconium | 91-1 | 2080 | 2114 | 1977 | 2057 | 3.47 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164427BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS427 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:31:18 | DataFile Name : | 039CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 373 | 327 | 327 | 342 | 7.87 | cps |
| Antimony | 121-1 | 83 | 90 | 83 | 86 | 4.50 | cps |
| Arsenic | 75-2 | 3 | 7 | 3 | 4 | 43.40 | cps |
| Barium | 135-1 | 137 | 107 | 77 | 107 | 28.12 | cps |
| Barium | 137-1 | 153 | 150 | 190 | 164 | 13.50 | cps |
| Beryllium | 9-1 | 30 | 17 | 7 | 18 | 65.83 | cps |
| Bismuth | 209-1 | 3584180 | 3555439 | 3489590 | 3543069 | 1.37 | cps |
| Bismuth | 209-2 | 2721544 | 2721252 | 2637915 | 2693570 | 1.79 | cps |
| Bromine | 81-1 | 5214 | 5151 | 5158 | 5174 | 0.67 | cps |
| Bromine | 81-2 | 67 | 50 | 90 | 69 | 29.17 | cps |
| Cadmium | 108-1 | 0 | 10 | 0 | 3 | 173.21 | cps |
| Cadmium | 106-1 | 1087 | 1130 | 1007 | 1074 | 5.82 | cps |
| Cadmium | 111-1 | 774 | 794 | 715 | 761 | 5.42 | cps |
| Calcium | 43-1 | 193 | 250 | 233 | 226 | 12.91 | cps |
| Calcium | 44-1 | 10607 | 10934 | 11001 | 10847 | 1.94 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 663 | 570 | 530 | 588 | 11.64 | cps |
| Cobalt | 59-2 | 113 | 90 | 73 | 92 | 21.79 | cps |
| Copper | 63-2 | 940 | 997 | 1070 | 1002 | 6.50 | cps |
| Dysprosium | 156-1 | 137 | 113 | 137 | 129 | 10.45 | cps |
| Dysprosium | 156-2 | 27 | 27 | 50 | 34 | 39.10 | cps |
| Erbium | 164-1 | 53 | 33 | 33 | 40 | 28.87 | cps |
| Erbium | 164-2 | 20 | 23 | 33 | 26 | 27.15 | cps |
| Gadolinium | 160-1 | 20 | 20 | 17 | 19 | 10.18 | cps |
| Gadolinium | 160-2 | 153 | 133 | 157 | 148 | 8.54 | cps |
| Holmium | 165-1 | 5679135 | 5680278 | 5556883 | 5638765 | 1.26 | cps |
| Holmium | 165-2 | 3893999 | 3772243 | 3894571 | 3853604 | 1.83 | cps |
| Indium | 115-1 | 4742981 | 4683721 | 4754931 | 4727211 | 0.81 | cps |
| Indium | 115-2 | 1788454 | 1732785 | 1752356 | 1757865 | 1.61 | cps |
| Iron | 56-2 | 13449 | 12956 | 12352 | 12919 | 4.26 | cps |
| Iron | 57-2 | 2837 | 2910 | 3024 | 2924 | 3.22 | cps |
| Iron | 54-2 | 1520 | 1510 | 1323 | 1451 | 7.63 | cps |
| Krypton | 83-1 | 163 | 210 | 213 | 196 | 14.29 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164427BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS427 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:31:18 | DataFile Name : | 039CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 367 | 313 | 363 | 348 | 8.59 | cps |
| Lead | 207-1 | 310 | 333 | 333 | 326 | 4.14 | cps |
| Lead | 208-1 | 1433 | 1347 | 1437 | 1406 | 3.63 | cps |
| Lithium | 6-1 | 553707 | 547141 | 538140 | 546329 | 1.43 | cps |
| Magnesium | 24-2 | 923 | 950 | 760 | 878 | 11.72 | cps |
| Manganese | 55-2 | 517 | 480 | 423 | 473 | 9.93 | cps |
| Molybdenum | 94-1 | 203 | 243 | 237 | 228 | 9.41 | cps |
| Molybdenum | 95-1 | 210 | 177 | 213 | 200 | 10.14 | cps |
| Molybdenum | 96-1 | 220 | 273 | 193 | 229 | 17.80 | cps |
| Molybdenum | 97-1 | 113 | 120 | 127 | 120 | 5.56 | cps |
| Molybdenum | 98-1 | 287 | 260 | 280 | 276 | 5.04 | cps |
| Neodymium | 150-1 | 10 | 20 | 10 | 13 | 43.30 | cps |
| Neodymium | 150-2 | 0 | 0 | 7 | 2 | 173.21 | cps |
| Nickel | 60-2 | 100 | 87 | 67 | 84 | 19.87 | cps |
| Phosphorus | 31-2 | 120 | 157 | 83 | 120 | 30.56 | cps |
| Potassium | 39-2 | 82364 | 81369 | 80283 | 81339 | 1.28 | cps |
| Rhodium | 103-1 | 4455833 | 4485116 | 4398917 | 4446622 | 0.99 | cps |
| Rhodium | 103-2 | 2946788 | 2900083 | 2946086 | 2930986 | 0.91 | cps |
| Scandium | 45-1 | 2611271 | 2599205 | 2596290 | 2602255 | 0.31 | cps |
| Scandium | 45-2 | 297675 | 294761 | 295510 | 295982 | 0.51 | cps |
| Selenium | 82-1 | 221 | 138 | 214 | 191 | 23.99 | cps |
| Selenium | 77-2 | 3 | 0 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 380 | 387 | 373 | 380 | 1.76 | cps |
| Silicon | 28-1 | 177492 | 176175 | 176624 | 176764 | 0.38 | cps |
| Silver | 107-1 | 117 | 163 | 123 | 134 | 18.77 | cps |
| Silver | 109-1 | 127 | 100 | 70 | 99 | 28.67 | cps |
| Sodium | 23-2 | 37175 | 36600 | 36874 | 36883 | 0.78 | cps |
| Strontium | 86-1 | 447 | 550 | 450 | 482 | 12.18 | cps |
| Strontium | 88-1 | 1713 | 1757 | 1510 | 1660 | 7.93 | cps |
| Sulfur | 34-1 | 133097 | 133809 | 132851 | 133252 | 0.37 | cps |
| Terbium | 159-1 | 5900935 | 5859738 | 5806074 | 5855582 | 0.81 | cps |
| Terbium | 159-2 | 3929575 | 3834695 | 3855275 | 3873182 | 1.29 | cps |
| Thallium | 203-1 | 123 | 100 | 157 | 127 | 22.49 | cps |
| Thallium | 205-1 | 277 | 310 | 203 | 263 | 20.72 | cps |
| Tin | 118-1 | 1307 | 1283 | 1247 | 1279 | 2.37 | cps |
| Titanium | 47-1 | 127 | 107 | 107 | 113 | 10.19 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164427BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS427 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:31:18 | DataFile Name : | 039CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 57 | 43 | 77 | 59 | 28.49 | cps |
| Vanadium | 51-2 | 33 | 17 | 30 | 27 | 33.06 | cps |
| Yttrium | 89-1 | 7981019 | 7860906 | 7807989 | 7883305 | 1.12 | cps |
| Yttrium | 89-2 | 2330713 | 2343380 | 2339533 | 2337875 | 0.28 | cps |
| Zinc | 66-2 | 420 | 383 | 427 | 410 | 5.69 | cps |
| Zirconium | 90-1 | 320 | 303 | 390 | 338 | 13.61 | cps |
| Zirconium | 91-1 | 90 | 63 | 70 | 74 | 18.64 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164427BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS427 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:34:37 | DataFile Name : | 040LCSE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6171 | 5858 | 5958 | 5996 | 2.67 | cps |
| Antimony | 121-1 | 20668 | 20799 | 21039 | 20835 | 0.90 | cps |
| Arsenic | 75-2 | 750 | 767 | 693 | 737 | 5.22 | cps |
| Barium | 135-1 | 24969 | 24291 | 24381 | 24547 | 1.50 | cps |
| Barium | 137-1 | 41387 | 43667 | 42125 | 42393 | 2.74 | cps |
| Beryllium | 9-1 | 1107 | 1170 | 1177 | 1151 | 3.36 | cps |
| Bismuth | 209-1 | 3597645 | 3578374 | 3537478 | 3571166 | 0.86 | cps |
| Bismuth | 209-2 | 2724374 | 2677214 | 2647311 | 2682966 | 1.45 | cps |
| Bromine | 81-1 | 5218 | 5368 | 5354 | 5313 | 1.56 | cps |
| Bromine | 81-2 | 77 | 60 | 80 | 72 | 14.84 | cps |
| Cadmium | 108-1 | 277 | 253 | 243 | 258 | 6.63 | cps |
| Cadmium | 106-1 | 1400 | 1270 | 1253 | 1308 | 6.14 | cps |
| Cadmium | 111-1 | 3980 | 3892 | 3871 | 3914 | 1.48 | cps |
| Calcium | 43-1 | 13036 | 13319 | 13443 | 13266 | 1.57 | cps |
| Calcium | 44-1 | 223421 | 224879 | 226868 | 225056 | 0.77 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 12419 | 12862 | 12328 | 12536 | 2.28 | cps |
| Cobalt | 59-2 | 8412 | 8286 | 8242 | 8313 | 1.06 | cps |
| Copper | 63-2 | 12605 | 12669 | 12719 | 12664 | 0.45 | cps |
| Dysprosium | 156-1 | 147 | 137 | 180 | 154 | 14.69 | cps |
| Dysprosium | 156-2 | 47 | 30 | 23 | 33 | 36.07 | cps |
| Erbium | 164-1 | 73 | 27 | 57 | 52 | 45.28 | cps |
| Erbium | 164-2 | 33 | 23 | 23 | 27 | 21.65 | cps |
| Gadolinium | 160-1 | 33 | 33 | 37 | 34 | 5.60 | cps |
| Gadolinium | 160-2 | 150 | 143 | 143 | 146 | 2.64 | cps |
| Holmium | 165-1 | 5662817 | 5595829 | 5637653 | 5632100 | 0.60 | cps |
| Holmium | 165-2 | 3926902 | 3848400 | 3776571 | 3850624 | 1.95 | cps |
| Indium | 115-1 | 4803297 | 4762258 | 4650925 | 4738827 | 1.66 | cps |
| Indium | 115-2 | 1766398 | 1761069 | 1744100 | 1757189 | 0.66 | cps |
| Iron | 56-2 | 965442 | 960832 | 949330 | 958535 | 0.87 | cps |
| Iron | 57-2 | 27168 | 26300 | 26143 | 26537 | 2.08 | cps |
| Iron | 54-2 | 54578 | 54679 | 52819 | 54025 | 1.94 | cps |
| Krypton | 83-1 | 187 | 230 | 210 | 209 | 10.38 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164427BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS427 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:34:37 | DataFile Name : | 040LCSE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 7419 | 7302 | 7102 | 7274 | 2.20 | cps |
| Lead | 207-1 | 6315 | 6485 | 6055 | 6285 | 3.45 | cps |
| Lead | 208-1 | 28825 | 29323 | 28455 | 28868 | 1.51 | cps |
| Lithium | 6-1 | 552594 | 522875 | 539100 | 538190 | 2.76 | cps |
| Magnesium | 24-2 | 248999 | 249361 | 245186 | 247849 | 0.93 | cps |
| Manganese | 55-2 | 4481 | 4437 | 4427 | 4448 | 0.64 | cps |
| Molybdenum | 94-1 | 21232 | 21509 | 21890 | 21544 | 1.53 | cps |
| Molybdenum | 95-1 | 25796 | 25940 | 26003 | 25913 | 0.41 | cps |
| Molybdenum | 96-1 | 28765 | 28421 | 29169 | 28785 | 1.30 | cps |
| Molybdenum | 97-1 | 16673 | 15969 | 16293 | 16311 | 2.16 | cps |
| Molybdenum | 98-1 | 41816 | 42492 | 41368 | 41892 | 1.35 | cps |
| Neodymium | 150-1 | 10 | 0 | 17 | 9 | 94.38 | cps |
| Neodymium | 150-2 | 7 | 3 | 0 | 3 | 100.05 | cps |
| Nickel | 60-2 | 2280 | 2274 | 2400 | 2318 | 3.08 | cps |
| Phosphorus | 31-2 | 130 | 133 | 113 | 126 | 8.54 | cps |
| Potassium | 39-2 | 406060 | 403986 | 399730 | 403259 | 0.80 | cps |
| Rhodium | 103-1 | 4478993 | 4483818 | 4432727 | 4465179 | 0.63 | cps |
| Rhodium | 103-2 | 3019319 | 2957052 | 2888504 | 2954958 | 2.21 | cps |
| Scandium | 45-1 | 2609911 | 2540220 | 2577707 | 2575946 | 1.35 | cps |
| Scandium | 45-2 | 301982 | 299805 | 296088 | 299292 | 1.00 | cps |
| Selenium | 82-1 | 1011 | 1000 | 1030 | 1013 | 1.49 | cps |
| Selenium | 77-2 | 143 | 110 | 77 | 110 | 30.30 | cps |
| Selenium | 78-2 | 673 | 730 | 643 | 682 | 6.45 | cps |
| Silicon | 28-1 | 221035 | 222365 | 222168 | 221856 | 0.32 | cps |
| Silver | 107-1 | 11551 | 11935 | 12182 | 11889 | 2.67 | cps |
| Silver | 109-1 | 11271 | 11521 | 11204 | 11332 | 1.47 | cps |
| Sodium | 23-2 | 437412 | 435301 | 429594 | 434102 | 0.93 | cps |
| Strontium | 86-1 | 3464 | 3941 | 3727 | 3711 | 6.44 | cps |
| Strontium | 88-1 | 30802 | 30933 | 30792 | 30842 | 0.25 | cps |
| Sulfur | 34-1 | 133621 | 134465 | 135860 | 134649 | 0.84 | cps |
| Terbium | 159-1 | 5854218 | 5757930 | 5836061 | 5816069 | 0.88 | cps |
| Terbium | 159-2 | 3914516 | 3876418 | 3817721 | 3869552 | 1.26 | cps |
| Thallium | 203-1 | 8513 | 8710 | 8119 | 8447 | 3.56 | cps |
| Thallium | 205-1 | 19628 | 19691 | 20011 | 19777 | 1.04 | cps |
| Tin | 118-1 | 1417 | 1387 | 1290 | 1365 | 4.85 | cps |
| Titanium | 47-1 | 6655 | 6571 | 6498 | 6575 | 1.19 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164427BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS427 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:34:37 | DataFile Name : | 040LCSE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 25571 | 25408 | 24994 | 25324 | 1.18 | cps |
| Vanadium | 51-2 | 24273 | 23649 | 24223 | 24048 | 1.44 | cps |
| Yttrium | 89-1 | 8033886 | 7741412 | 7804354 | 7859884 | 1.96 | cps |
| Yttrium | 89-2 | 2360888 | 2315145 | 2297555 | 2324529 | 1.41 | cps |
| Zinc | 66-2 | 5331 | 5378 | 5478 | 5395 | 1.39 | cps |
| Zirconium | 90-1 | 18185 | 18986 | 17978 | 18383 | 2.90 | cps |
| Zirconium | 91-1 | 3981 | 3934 | 4194 | 4036 | 3.44 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164427BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD427 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:37:54 | DataFile Name : | 041LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3117 | 3217 | 3137 | 3157 | 1.68 | cps |
| Antimony | 121-1 | 10711 | 10474 | 10397 | 10527 | 1.55 | cps |
| Arsenic | 75-2 | 383 | 337 | 380 | 367 | 7.10 | cps |
| Barium | 135-1 | 12109 | 12405 | 12432 | 12315 | 1.46 | cps |
| Barium | 137-1 | 21350 | 21526 | 21306 | 21394 | 0.55 | cps |
| Beryllium | 9-1 | 673 | 740 | 560 | 658 | 13.83 | cps |
| Bismuth | 209-1 | 3595939 | 3600705 | 3467945 | 3554863 | 2.12 | cps |
| Bismuth | 209-2 | 2733676 | 2678692 | 2633405 | 2681924 | 1.87 | cps |
| Bromine | 81-1 | 5411 | 5408 | 5391 | 5403 | 0.20 | cps |
| Bromine | 81-2 | 53 | 67 | 47 | 56 | 18.33 | cps |
| Cadmium | 108-1 | 103 | 123 | 90 | 106 | 15.90 | cps |
| Cadmium | 106-1 | 1343 | 1230 | 1327 | 1300 | 4.71 | cps |
| Cadmium | 111-1 | 2358 | 2351 | 2452 | 2387 | 2.37 | cps |
| Calcium | 43-1 | 6558 | 6782 | 6728 | 6689 | 1.74 | cps |
| Calcium | 44-1 | 118015 | 119745 | 119204 | 118988 | 0.74 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 6385 | 6725 | 6702 | 6604 | 2.88 | cps |
| Cobalt | 59-2 | 4081 | 4184 | 4211 | 4158 | 1.65 | cps |
| Copper | 63-2 | 6782 | 6905 | 6872 | 6853 | 0.93 | cps |
| Dysprosium | 156-1 | 100 | 120 | 120 | 113 | 10.19 | cps |
| Dysprosium | 156-2 | 33 | 40 | 37 | 37 | 9.10 | cps |
| Erbium | 164-1 | 47 | 57 | 37 | 47 | 21.43 | cps |
| Erbium | 164-2 | 30 | 17 | 23 | 23 | 28.56 | cps |
| Gadolinium | 160-1 | 23 | 40 | 37 | 33 | 26.47 | cps |
| Gadolinium | 160-2 | 163 | 150 | 193 | 169 | 13.14 | cps |
| Holmium | 165-1 | 5768597 | 5716593 | 5412653 | 5632614 | 3.41 | cps |
| Holmium | 165-2 | 3841747 | 3821235 | 3840032 | 3834338 | 0.30 | cps |
| Indium | 115-1 | 4728676 | 4691614 | 4562190 | 4660826 | 1.88 | cps |
| Indium | 115-2 | 1773616 | 1760337 | 1763905 | 1765953 | 0.39 | cps |
| Iron | 56-2 | 491381 | 491283 | 485457 | 489374 | 0.69 | cps |
| Iron | 57-2 | 14897 | 14824 | 14684 | 14802 | 0.73 | cps |
| Iron | 54-2 | 28911 | 28076 | 27388 | 28125 | 2.71 | cps |
| Krypton | 83-1 | 200 | 170 | 177 | 182 | 8.64 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164427BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD427 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:37:54 | DataFile Name : | 041LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 3994 | 3751 | 3621 | 3788 | 5.00 | cps |
| Lead | 207-1 | 3360 | 3234 | 3280 | 3292 | 1.95 | cps |
| Lead | 208-1 | 15133 | 15167 | 14860 | 15053 | 1.12 | cps |
| Lithium | 6-1 | 546800 | 547530 | 537456 | 543929 | 1.03 | cps |
| Magnesium | 24-2 | 126609 | 124315 | 124220 | 125048 | 1.08 | cps |
| Manganese | 55-2 | 2470 | 2840 | 2680 | 2664 | 6.97 | cps |
| Molybdenum | 94-1 | 10827 | 10878 | 10958 | 10887 | 0.60 | cps |
| Molybdenum | 95-1 | 12856 | 13089 | 13610 | 13185 | 2.93 | cps |
| Molybdenum | 96-1 | 14621 | 14534 | 14310 | 14488 | 1.11 | cps |
| Molybdenum | 97-1 | 8246 | 8316 | 8109 | 8223 | 1.28 | cps |
| Molybdenum | 98-1 | 21723 | 21296 | 21002 | 21340 | 1.70 | cps |
| Neodymium | 150-1 | 10 | 7 | 7 | 8 | 24.71 | cps |
| Neodymium | 150-2 | 3 | 0 | 3 | 2 | 86.60 | cps |
| Nickel | 60-2 | 1153 | 1190 | 1283 | 1209 | 5.54 | cps |
| Phosphorus | 31-2 | 173 | 157 | 137 | 156 | 11.80 | cps |
| Potassium | 39-2 | 246112 | 245743 | 243575 | 245143 | 0.56 | cps |
| Rhodium | 103-1 | 4506486 | 4435113 | 4329194 | 4423597 | 2.02 | cps |
| Rhodium | 103-2 | 2977035 | 2958754 | 2911172 | 2948987 | 1.15 | cps |
| Scandium | 45-1 | 2618684 | 2617731 | 2559195 | 2598537 | 1.31 | cps |
| Scandium | 45-2 | 301545 | 298806 | 299116 | 299822 | 0.50 | cps |
| Selenium | 82-1 | 630 | 686 | 691 | 669 | 5.09 | cps |
| Selenium | 77-2 | 60 | 47 | 70 | 59 | 19.88 | cps |
| Selenium | 78-2 | 443 | 463 | 470 | 459 | 3.02 | cps |
| Silicon | 28-1 | 203005 | 197719 | 200515 | 200413 | 1.32 | cps |
| Silver | 107-1 | 5871 | 5881 | 6391 | 6048 | 4.92 | cps |
| Silver | 109-1 | 5511 | 5654 | 5664 | 5610 | 1.53 | cps |
| Sodium | 23-2 | 234665 | 236575 | 234336 | 235192 | 0.51 | cps |
| Strontium | 86-1 | 2230 | 1990 | 2104 | 2108 | 5.70 | cps |
| Strontium | 88-1 | 16583 | 16376 | 16589 | 16516 | 0.74 | cps |
| Sulfur | 34-1 | 135265 | 136005 | 135585 | 135618 | 0.27 | cps |
| Terbium | 159-1 | 5891960 | 5927392 | 5731510 | 5850287 | 1.78 | cps |
| Terbium | 159-2 | 3864870 | 3810379 | 3790701 | 3821983 | 1.01 | cps |
| Thallium | 203-1 | 4287 | 4217 | 4397 | 4301 | 2.11 | cps |
| Thallium | 205-1 | 10484 | 10101 | 9907 | 10164 | 2.89 | cps |
| Tin | 118-1 | 1460 | 1420 | 1247 | 1376 | 8.24 | cps |
| Titanium | 47-1 | 3204 | 3357 | 3280 | 3280 | 2.34 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164427BSD | Instrumnet Name : | P7 |
| Client Sample ID : | LCSD427 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:37:54 | DataFile Name : | 041LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 13026 | 12896 | 12299 | 12741 | 3.04 | cps |
| Vanadium | 51-2 | 12002 | 12462 | 11584 | 12016 | 3.65 | cps |
| Yttrium | 89-1 | 8059758 | 7926342 | 7743727 | 7909942 | 2.01 | cps |
| Yttrium | 89-2 | 2385080 | 2340315 | 2342027 | 2355807 | 1.08 | cps |
| Zinc | 66-2 | 3070 | 3034 | 3010 | 3038 | 1.00 | cps |
| Zirconium | 90-1 | 9076 | 8999 | 9283 | 9120 | 1.61 | cps |
| Zirconium | 91-1 | 2104 | 2037 | 2040 | 2060 | 1.82 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164345BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS345 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:41:13 | DataFile Name : | 042LCSE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5684 | 5671 | 5868 | 5741 | 1.91 | cps |
| Antimony | 121-1 | 21046 | 20819 | 20461 | 20775 | 1.42 | cps |
| Arsenic | 75-2 | 747 | 640 | 737 | 708 | 8.32 | cps |
| Barium | 135-1 | 23933 | 23519 | 24297 | 23917 | 1.63 | cps |
| Barium | 137-1 | 41912 | 42236 | 41163 | 41770 | 1.32 | cps |
| Beryllium | 9-1 | 1257 | 1157 | 1170 | 1195 | 4.55 | cps |
| Bismuth | 209-1 | 3604014 | 3557811 | 3544783 | 3568869 | 0.87 | cps |
| Bismuth | 209-2 | 2738505 | 2679878 | 2710537 | 2709640 | 1.08 | cps |
| Bromine | 81-1 | 5201 | 5138 | 5084 | 5141 | 1.14 | cps |
| Bromine | 81-2 | 83 | 63 | 70 | 72 | 14.10 | cps |
| Cadmium | 108-1 | 173 | 190 | 180 | 181 | 4.63 | cps |
| Cadmium | 106-1 | 1433 | 1287 | 1357 | 1359 | 5.40 | cps |
| Cadmium | 111-1 | 3452 | 3441 | 3454 | 3449 | 0.20 | cps |
| Calcium | 43-1 | 12982 | 12899 | 12745 | 12876 | 0.93 | cps |
| Calcium | 44-1 | 221410 | 223040 | 223696 | 222715 | 0.53 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 11788 | 11785 | 12025 | 11866 | 1.16 | cps |
| Cobalt | 59-2 | 8042 | 8039 | 7842 | 7974 | 1.44 | cps |
| Copper | 63-2 | 12359 | 12399 | 12602 | 12453 | 1.05 | cps |
| Dysprosium | 156-1 | 103 | 143 | 140 | 129 | 17.22 | cps |
| Dysprosium | 156-2 | 53 | 53 | 63 | 57 | 10.19 | cps |
| Erbium | 164-1 | 60 | 53 | 40 | 51 | 19.92 | cps |
| Erbium | 164-2 | 30 | 17 | 37 | 28 | 36.66 | cps |
| Gadolinium | 160-1 | 27 | 37 | 30 | 31 | 16.37 | cps |
| Gadolinium | 160-2 | 140 | 163 | 190 | 164 | 15.21 | cps |
| Holmium | 165-1 | 5802339 | 5709407 | 5659805 | 5723850 | 1.26 | cps |
| Holmium | 165-2 | 3903645 | 3811399 | 3867921 | 3860988 | 1.20 | cps |
| Indium | 115-1 | 4839779 | 4745123 | 4620024 | 4734975 | 2.33 | cps |
| Indium | 115-2 | 1785755 | 1778835 | 1739520 | 1768037 | 1.41 | cps |
| Iron | 56-2 | 943315 | 940909 | 938850 | 941025 | 0.24 | cps |
| Iron | 57-2 | 26089 | 26256 | 25996 | 26114 | 0.51 | cps |
| Iron | 54-2 | 54679 | 53160 | 53063 | 53634 | 1.69 | cps |
| Krypton | 83-1 | 157 | 150 | 160 | 156 | 3.27 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164345BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS345 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:41:13 | DataFile Name : | 042LCSE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 6912 | 6778 | 6805 | 6832 | 1.03 | cps |
| Lead | 207-1 | 6295 | 6268 | 6428 | 6330 | 1.35 | cps |
| Lead | 208-1 | 28308 | 27968 | 28225 | 28167 | 0.63 | cps |
| Lithium | 6-1 | 541442 | 549005 | 538373 | 542940 | 1.01 | cps |
| Magnesium | 24-2 | 241632 | 243450 | 240682 | 241921 | 0.58 | cps |
| Manganese | 55-2 | 4714 | 4767 | 4451 | 4644 | 3.65 | cps |
| Molybdenum | 94-1 | 21416 | 21142 | 20968 | 21175 | 1.07 | cps |
| Molybdenum | 95-1 | 25639 | 25355 | 25522 | 25506 | 0.56 | cps |
| Molybdenum | 96-1 | 28428 | 28575 | 28444 | 28482 | 0.28 | cps |
| Molybdenum | 97-1 | 15702 | 16306 | 15979 | 15996 | 1.89 | cps |
| Molybdenum | 98-1 | 41482 | 41659 | 41419 | 41520 | 0.30 | cps |
| Neodymium | 150-1 | 10 | 3 | 17 | 10 | 66.70 | cps |
| Neodymium | 150-2 | 0 | 3 | 3 | 2 | 86.60 | cps |
| Nickel | 60-2 | 2104 | 2147 | 2310 | 2187 | 4.98 | cps |
| Phosphorus | 31-2 | 117 | 130 | 110 | 119 | 8.57 | cps |
| Potassium | 39-2 | 402478 | 394808 | 397038 | 398108 | 0.99 | cps |
| Rhodium | 103-1 | 4500047 | 4524294 | 4460097 | 4494813 | 0.72 | cps |
| Rhodium | 103-2 | 2906066 | 2911049 | 2933366 | 2916827 | 0.50 | cps |
| Scandium | 45-1 | 2620982 | 2593403 | 2618208 | 2610864 | 0.58 | cps |
| Scandium | 45-2 | 300152 | 296462 | 297500 | 298038 | 0.64 | cps |
| Selenium | 82-1 | 1113 | 1112 | 1098 | 1107 | 0.73 | cps |
| Selenium | 77-2 | 90 | 97 | 70 | 86 | 16.22 | cps |
| Selenium | 78-2 | 607 | 687 | 550 | 614 | 11.17 | cps |
| Silicon | 28-1 | 218196 | 220352 | 220731 | 219760 | 0.62 | cps |
| Silver | 107-1 | 11765 | 11448 | 11585 | 11599 | 1.37 | cps |
| Silver | 109-1 | 11031 | 11341 | 11258 | 11210 | 1.43 | cps |
| Sodium | 23-2 | 427417 | 426096 | 423857 | 425790 | 0.42 | cps |
| Strontium | 86-1 | 3797 | 3851 | 3737 | 3795 | 1.49 | cps |
| Strontium | 88-1 | 30589 | 30685 | 30598 | 30624 | 0.17 | cps |
| Sulfur | 34-1 | 134623 | 134647 | 135864 | 135045 | 0.53 | cps |
| Terbium | 159-1 | 6007382 | 5928612 | 5802713 | 5912902 | 1.75 | cps |
| Terbium | 159-2 | 3807393 | 3846600 | 3843821 | 3832605 | 0.57 | cps |
| Thallium | 203-1 | 8223 | 8186 | 8159 | 8189 | 0.39 | cps |
| Thallium | 205-1 | 20032 | 19137 | 19200 | 19456 | 2.57 | cps |
| Tin | 118-1 | 1340 | 1620 | 1363 | 1441 | 10.78 | cps |
| Titanium | 47-1 | 6428 | 6508 | 6318 | 6418 | 1.49 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164345BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS345 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:41:13 | DataFile Name : | 042LCSE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 25174 | 24756 | 24362 | 24764 | 1.64 | cps |
| Vanadium | 51-2 | 23662 | 23989 | 23352 | 23668 | 1.35 | cps |
| Yttrium | 89-1 | 8032924 | 7860384 | 7903764 | 7932357 | 1.13 | cps |
| Yttrium | 89-2 | 2319775 | 2321568 | 2325431 | 2322258 | 0.12 | cps |
| Zinc | 66-2 | 5278 | 4941 | 5298 | 5172 | 3.88 | cps |
| Zirconium | 90-1 | 17727 | 17848 | 17888 | 17821 | 0.47 | cps |
| Zirconium | 91-1 | 4054 | 3874 | 3794 | 3907 | 3.41 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:44:30 | DataFile Name : | 043SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5691711 | 5582658 | 5598346 | 5624238 | 1.05 | cps |
| Antimony | 121-1 | 16256 | 16196 | 16700 | 16384 | 1.68 | cps |
| Arsenic | 75-2 | 82829 | 83533 | 82045 | 82803 | 0.90 | cps |
| Barium | 135-1 | 735586 | 742255 | 743946 | 740596 | 0.60 | cps |
| Barium | 137-1 | 1269890 | 1278249 | 1276855 | 1274998 | 0.35 | cps |
| Beryllium | 9-1 | 857 | 947 | 890 | 898 | 5.07 | cps |
| Bismuth | 209-1 | 3512670 | 3550402 | 3470630 | 3511234 | 1.14 | cps |
| Bismuth | 209-2 | 2641259 | 2648463 | 2676444 | 2655389 | 0.70 | cps |
| Bromine | 81-1 | 6748 | 7102 | 7158 | 7003 | 3.17 | cps |
| Bromine | 81-2 | 613 | 663 | 633 | 637 | 3.95 | cps |
| Cadmium | 108-1 | 300 | 283 | 243 | 276 | 10.57 | cps |
| Cadmium | 106-1 | 1840 | 1700 | 1503 | 1681 | 10.06 | cps |
| Cadmium | 111-1 | 3922 | 4029 | 3922 | 3958 | 1.56 | cps |
| Calcium | 43-1 | 183503 | 185219 | 186009 | 184910 | 0.69 | cps |
| Calcium | 44-1 | 2899924 | 2907894 | 2942961 | 2916926 | 0.78 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 247924 | 245071 | 245046 | 246014 | 0.67 | cps |
| Cobalt | 59-2 | 198384 | 196615 | 195359 | 196786 | 0.77 | cps |
| Copper | 63-2 | 966917 | 960988 | 960904 | 962937 | 0.36 | cps |
| Dysprosium | 156-1 | 38038 | 39007 | 38717 | 38587 | 1.29 | cps |
| Dysprosium | 156-2 | 33898 | 35040 | 34228 | 34389 | 1.71 | cps |
| Erbium | 164-1 | 30303 | 30867 | 30293 | 30488 | 1.08 | cps |
| Erbium | 164-2 | 20532 | 20993 | 21240 | 20921 | 1.72 | cps |
| Gadolinium | 160-1 | 36678 | 36571 | 36431 | 36560 | 0.34 | cps |
| Gadolinium | 160-2 | 26682 | 26425 | 27240 | 26782 | 1.56 | cps |
| Holmium | 165-1 | 5618629 | 5550460 | 5623871 | 5597653 | 0.73 | cps |
| Holmium | 165-2 | 3876861 | 3900690 | 3831568 | 3869706 | 0.91 | cps |
| Indium | 115-1 | 4588910 | 4564965 | 4463365 | 4539080 | 1.47 | cps |
| Indium | 115-2 | 1714612 | 1643213 | 1661194 | 1673006 | 2.22 | cps |
| Iron | 56-2 | 210653390 | 210130384 | 207821990 | 209535255 | 0.72 | cps |
| Iron | 57-2 | 5251880 | 5199207 | 5224003 | 5225030 | 0.50 | cps |
| Iron | 54-2 | 11736312 | 11664826 | 11647209 | 11682782 | 0.40 | cps |
| Krypton | 83-1 | 253 | 203 | 247 | 234 | 11.58 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:44:30 | DataFile Name : | 043SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 339349 | 340426 | 341697 | 340491 | 0.35 | cps |
| Lead | 207-1 | 291625 | 297987 | 297669 | 295760 | 1.21 | cps |
| Lead | 208-1 | 1331398 | 1354941 | 1357607 | 1347982 | 1.07 | cps |
| Lithium | 6-1 | 531391 | 533128 | 550057 | 538192 | 1.92 | cps |
| Magnesium | 24-2 | 4510943 | 4388036 | 4407789 | 4435590 | 1.49 | cps |
| Manganese | 55-2 | 6340896 | 6355754 | 6287609 | 6328086 | 0.57 | cps |
| Molybdenum | 94-1 | 46731 | 48022 | 48444 | 47732 | 1.87 | cps |
| Molybdenum | 95-1 | 5991 | 5885 | 6155 | 6010 | 2.26 | cps |
| Molybdenum | 96-1 | 15578 | 15875 | 15962 | 15805 | 1.27 | cps |
| Molybdenum | 97-1 | 3897 | 3737 | 3680 | 3772 | 2.98 | cps |
| Molybdenum | 98-1 | 9336 | 9573 | 9753 | 9554 | 2.19 | cps |
| Neodymium | 150-1 | 72478 | 73551 | 74650 | 73559 | 1.48 | cps |
| Neodymium | 150-2 | 44142 | 43216 | 43878 | 43746 | 1.09 | cps |
| Nickel | 60-2 | 83873 | 84168 | 84688 | 84243 | 0.49 | cps |
| Phosphorus | 31-2 | 27749 | 27084 | 28002 | 27612 | 1.72 | cps |
| Potassium | 39-2 | 4231579 | 4167455 | 4180777 | 4193270 | 0.81 | cps |
| Rhodium | 103-1 | 4305982 | 4337791 | 4217257 | 4287010 | 1.46 | cps |
| Rhodium | 103-2 | 2832131 | 2780602 | 2782479 | 2798404 | 1.04 | cps |
| Scandium | 45-1 | 2748594 | 2653453 | 2660838 | 2687628 | 1.97 | cps |
| Scandium | 45-2 | 303456 | 302215 | 303017 | 302896 | 0.21 | cps |
| Selenium | 82-1 | 407 | 467 | 369 | 415 | 11.88 | cps |
| Selenium | 77-2 | 160 | 137 | 170 | 156 | 11.00 | cps |
| Selenium | 78-2 | 500 | 473 | 460 | 478 | 4.26 | cps |
| Silicon | 28-1 | 12230044 | 12436569 | 12275386 | 12314000 | 0.88 | cps |
| Silver | 107-1 | 6448 | 6038 | 5798 | 6095 | 5.40 | cps |
| Silver | 109-1 | 5861 | 5731 | 5538 | 5710 | 2.85 | cps |
| Sodium | 23-2 | 133466 | 133150 | 133916 | 133511 | 0.29 | cps |
| Strontium | 86-1 | 190990 | 194193 | 194650 | 193277 | 1.03 | cps |
| Strontium | 88-1 | 1735447 | 1776057 | 1759895 | 1757133 | 1.16 | cps |
| Sulfur | 34-1 | 130445 | 125197 | 118552 | 124731 | 4.78 | cps |
| Terbium | 159-1 | 5753798 | 5864658 | 5788329 | 5802262 | 0.98 | cps |
| Terbium | 159-2 | 3830170 | 3811130 | 3874164 | 3838488 | 0.84 | cps |
| Thallium | 203-1 | 1807 | 1923 | 1970 | 1900 | 4.43 | cps |
| Thallium | 205-1 | 4434 | 4291 | 4808 | 4511 | 5.92 | cps |
| Tin | 118-1 | 10384 | 10811 | 10931 | 10709 | 2.68 | cps |
| Titanium | 47-1 | 694514 | 702717 | 698267 | 698499 | 0.59 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:44:30 | DataFile Name : | 043SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 20669 | 20877 | 20933 | 20826 | 0.67 | cps |
| Vanadium | 51-2 | 402660 | 400105 | 401113 | 401293 | 0.32 | cps |
| Yttrium | 89-1 | 8188560 | 8293887 | 8131160 | 8204536 | 1.01 | cps |
| Yttrium | 89-2 | 2386450 | 2383206 | 2387249 | 2385635 | 0.09 | cps |
| Zinc | 66-2 | 158605 | 158309 | 160449 | 159121 | 0.73 | cps |
| Zirconium | 90-1 | 118211 | 119464 | 118510 | 118729 | 0.55 | cps |
| Zirconium | 91-1 | 26163 | 27165 | 26932 | 26753 | 1.96 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-05 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453D | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:47:40 | DataFile Name : | 044SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5742397 | 5721916 | 5683772 | 5716028 | 0.52 | cps |
| Antimony | 121-1 | 16503 | 16830 | 17077 | 16803 | 1.71 | cps |
| Arsenic | 75-2 | 76529 | 76941 | 75340 | 76270 | 1.09 | cps |
| Barium | 135-1 | 708333 | 715459 | 721790 | 715194 | 0.94 | cps |
| Barium | 137-1 | 1216239 | 1235583 | 1237579 | 1229800 | 0.96 | cps |
| Beryllium | 9-1 | 910 | 900 | 927 | 912 | 1.48 | cps |
| Bismuth | 209-1 | 3598665 | 3550777 | 3228462 | 3459301 | 5.82 | cps |
| Bismuth | 209-2 | 2707641 | 2651673 | 2736487 | 2698600 | 1.60 | cps |
| Bromine | 81-1 | 6915 | 7285 | 6872 | 7024 | 3.24 | cps |
| Bromine | 81-2 | 570 | 643 | 597 | 603 | 6.15 | cps |
| Cadmium | 108-1 | 273 | 277 | 263 | 271 | 2.56 | cps |
| Cadmium | 106-1 | 1610 | 1470 | 1453 | 1511 | 5.69 | cps |
| Cadmium | 111-1 | 3849 | 3622 | 3897 | 3789 | 3.87 | cps |
| Calcium | 43-1 | 180676 | 182946 | 184323 | 182648 | 1.01 | cps |
| Calcium | 44-1 | 2823955 | 2885417 | 2894913 | 2868095 | 1.34 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 254365 | 251372 | 252284 | 252674 | 0.61 | cps |
| Cobalt | 59-2 | 196573 | 195331 | 195826 | 195910 | 0.32 | cps |
| Copper | 63-2 | 975112 | 970965 | 968259 | 971446 | 0.36 | cps |
| Dysprosium | 156-1 | 39011 | 39750 | 39890 | 39550 | 1.19 | cps |
| Dysprosium | 156-2 | 34830 | 34683 | 34653 | 34722 | 0.27 | cps |
| Erbium | 164-1 | 30717 | 31399 | 30944 | 31020 | 1.12 | cps |
| Erbium | 164-2 | 21219 | 20806 | 21106 | 21044 | 1.02 | cps |
| Gadolinium | 160-1 | 36765 | 37273 | 37480 | 37173 | 0.99 | cps |
| Gadolinium | 160-2 | 26468 | 27824 | 26669 | 26987 | 2.71 | cps |
| Holmium | 165-1 | 5684548 | 5709902 | 5310418 | 5568289 | 4.02 | cps |
| Holmium | 165-2 | 3893084 | 3849944 | 3916322 | 3886450 | 0.87 | cps |
| Indium | 115-1 | 4627929 | 4592053 | 4151845 | 4457276 | 5.95 | cps |
| Indium | 115-2 | 1725571 | 1686264 | 1695555 | 1702463 | 1.21 | cps |
| Iron | 56-2 | 213361810 | 212166564 | 210632124 | 212053499 | 0.65 | cps |
| Iron | 57-2 | 5269544 | 5289831 | 5247264 | 5268880 | 0.40 | cps |
| Iron | 54-2 | 11884776 | 11819786 | 11664491 | 11789684 | 0.96 | cps |
| Krypton | 83-1 | 183 | 263 | 217 | 221 | 18.17 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-05 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453D | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:47:40 | DataFile Name : | 044SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 342533 | 345554 | 347270 | 345119 | 0.69 | cps |
| Lead | 207-1 | 295813 | 299382 | 302515 | 299237 | 1.12 | cps |
| Lead | 208-1 | 1348024 | 1366331 | 1369366 | 1361240 | 0.85 | cps |
| Lithium | 6-1 | 575438 | 569634 | 535778 | 560283 | 3.82 | cps |
| Magnesium | 24-2 | 4481352 | 4485945 | 4457811 | 4475036 | 0.34 | cps |
| Manganese | 55-2 | 5925849 | 5914752 | 5863198 | 5901267 | 0.57 | cps |
| Molybdenum | 94-1 | 46754 | 47279 | 46664 | 46899 | 0.71 | cps |
| Molybdenum | 95-1 | 5898 | 6055 | 6041 | 5998 | 1.45 | cps |
| Molybdenum | 96-1 | 15018 | 15999 | 15395 | 15471 | 3.20 | cps |
| Molybdenum | 97-1 | 3617 | 3841 | 3834 | 3764 | 3.38 | cps |
| Molybdenum | 98-1 | 9373 | 9470 | 10047 | 9630 | 3.78 | cps |
| Neodymium | 150-1 | 74124 | 75906 | 75531 | 75187 | 1.25 | cps |
| Neodymium | 150-2 | 44905 | 44320 | 44142 | 44456 | 0.90 | cps |
| Nickel | 60-2 | 85536 | 86219 | 85003 | 85586 | 0.71 | cps |
| Phosphorus | 31-2 | 28112 | 27562 | 26957 | 27544 | 2.10 | cps |
| Potassium | 39-2 | 4288577 | 4275337 | 4225546 | 4263153 | 0.78 | cps |
| Rhodium | 103-1 | 4237468 | 4277015 | 3886814 | 4133766 | 5.20 | cps |
| Rhodium | 103-2 | 2859221 | 2839027 | 2803867 | 2834038 | 0.99 | cps |
| Scandium | 45-1 | 2659927 | 2653761 | 2439557 | 2584415 | 4.86 | cps |
| Scandium | 45-2 | 307102 | 302911 | 301458 | 303823 | 0.96 | cps |
| Selenium | 82-1 | 475 | 355 | 406 | 412 | 14.57 | cps |
| Selenium | 77-2 | 130 | 153 | 150 | 144 | 8.74 | cps |
| Selenium | 78-2 | 540 | 443 | 523 | 502 | 10.29 | cps |
| Silicon | 28-1 | 11762477 | 11651501 | 11738213 | 11717397 | 0.50 | cps |
| Silver | 107-1 | 5568 | 5708 | 5725 | 5667 | 1.52 | cps |
| Silver | 109-1 | 5278 | 5484 | 5604 | 5456 | 3.03 | cps |
| Sodium | 23-2 | 134357 | 135618 | 135701 | 135225 | 0.56 | cps |
| Strontium | 86-1 | 190490 | 192564 | 192209 | 191754 | 0.58 | cps |
| Strontium | 88-1 | 1713631 | 1739333 | 1743354 | 1732106 | 0.93 | cps |
| Sulfur | 34-1 | 112836 | 111734 | 108146 | 110905 | 2.21 | cps |
| Terbium | 159-1 | 5836455 | 5963951 | 5344065 | 5714824 | 5.73 | cps |
| Terbium | 159-2 | 3898537 | 3841455 | 3864119 | 3868037 | 0.74 | cps |
| Thallium | 203-1 | 1910 | 1927 | 1877 | 1905 | 1.34 | cps |
| Thallium | 205-1 | 4467 | 4651 | 4467 | 4529 | 2.34 | cps |
| Tin | 118-1 | 9200 | 9156 | 9360 | 9239 | 1.16 | cps |
| Titanium | 47-1 | 693161 | 700707 | 704149 | 699339 | 0.80 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-05 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453D | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:47:40 | DataFile Name : | 044SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 20790 | 21491 | 20843 | 21041 | 1.86 | cps |
| Vanadium | 51-2 | 410627 | 406574 | 402881 | 406694 | 0.95 | cps |
| Yttrium | 89-1 | 8103447 | 8140942 | 7562335 | 7935574 | 4.08 | cps |
| Yttrium | 89-2 | 2418972 | 2374386 | 2389759 | 2394373 | 0.95 | cps |
| Zinc | 66-2 | 157086 | 155416 | 155332 | 155945 | 0.63 | cps |
| Zirconium | 90-1 | 117839 | 118298 | 119767 | 118635 | 0.85 | cps |
| Zirconium | 91-1 | 26103 | 26815 | 26421 | 26446 | 1.35 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453L | Dilution Factor : | 5 |
| Date & Time Acquired : | 2024-10-30 14:50:49 | DataFile Name : | 045SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1019527 | 1018162 | 1018441 | 1018710 | 0.07 | cps |
| Antimony | 121-1 | 3137 | 3014 | 2934 | 3028 | 3.38 | cps |
| Arsenic | 75-2 | 15231 | 14854 | 14394 | 14826 | 2.83 | cps |
| Barium | 135-1 | 132466 | 136520 | 135686 | 134891 | 1.59 | cps |
| Barium | 137-1 | 230140 | 230398 | 232718 | 231085 | 0.61 | cps |
| Beryllium | 9-1 | 190 | 167 | 193 | 183 | 7.93 | cps |
| Bismuth | 209-1 | 3594961 | 3583826 | 3517311 | 3565366 | 1.18 | cps |
| Bismuth | 209-2 | 2674717 | 2695514 | 2446785 | 2605672 | 5.30 | cps |
| Bromine | 81-1 | 5268 | 5234 | 5408 | 5303 | 1.73 | cps |
| Bromine | 81-2 | 157 | 133 | 167 | 152 | 11.24 | cps |
| Cadmium | 108-1 | 70 | 50 | 53 | 58 | 18.55 | cps |
| Cadmium | 106-1 | 1073 | 1083 | 1127 | 1094 | 2.59 | cps |
| Cadmium | 111-1 | 1169 | 1313 | 1358 | 1280 | 7.72 | cps |
| Calcium | 43-1 | 33023 | 33991 | 33273 | 33429 | 1.50 | cps |
| Calcium | 44-1 | 547238 | 559294 | 561724 | 556085 | 1.40 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 44539 | 44275 | 45208 | 44674 | 1.08 | cps |
| Cobalt | 59-2 | 35585 | 35799 | 35088 | 35491 | 1.03 | cps |
| Copper | 63-2 | 176160 | 176023 | 178217 | 176800 | 0.70 | cps |
| Dysprosium | 156-1 | 7028 | 7195 | 6932 | 7052 | 1.89 | cps |
| Dysprosium | 156-2 | 6365 | 6271 | 6665 | 6434 | 3.20 | cps |
| Erbium | 164-1 | 5418 | 5695 | 5551 | 5554 | 2.49 | cps |
| Erbium | 164-2 | 3984 | 3907 | 3804 | 3898 | 2.32 | cps |
| Gadolinium | 160-1 | 6998 | 6932 | 6932 | 6954 | 0.55 | cps |
| Gadolinium | 160-2 | 4874 | 4811 | 5061 | 4915 | 2.64 | cps |
| Holmium | 165-1 | 5748257 | 5584544 | 5636052 | 5656284 | 1.48 | cps |
| Holmium | 165-2 | 3908296 | 3893351 | 3551037 | 3784228 | 5.34 | cps |
| Indium | 115-1 | 4586589 | 4578952 | 4560026 | 4575189 | 0.30 | cps |
| Indium | 115-2 | 1715187 | 1739065 | 1546088 | 1666780 | 6.31 | cps |
| Iron | 56-2 | 37949840 | 38195953 | 37773695 | 37973163 | 0.56 | cps |
| Iron | 57-2 | 965730 | 967238 | 968470 | 967146 | 0.14 | cps |
| Iron | 54-2 | 2123570 | 2124830 | 2108172 | 2118857 | 0.44 | cps |
| Krypton | 83-1 | 213 | 160 | 220 | 198 | 16.63 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453L | Dilution Factor : | 5 |
| Date & Time Acquired : | 2024-10-30 14:50:49 | DataFile Name : | 045SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 63306 | 64519 | 63762 | 63862 | 0.96 | cps |
| Lead | 207-1 | 54556 | 55118 | 55168 | 54947 | 0.62 | cps |
| Lead | 208-1 | 248817 | 251927 | 252628 | 251124 | 0.81 | cps |
| Lithium | 6-1 | 561497 | 563484 | 568380 | 564454 | 0.63 | cps |
| Magnesium | 24-2 | 806804 | 807940 | 806647 | 807130 | 0.09 | cps |
| Manganese | 55-2 | 1142583 | 1142445 | 1139360 | 1141463 | 0.16 | cps |
| Molybdenum | 94-1 | 8202 | 8546 | 8446 | 8398 | 2.10 | cps |
| Molybdenum | 95-1 | 1177 | 1240 | 1180 | 1199 | 2.97 | cps |
| Molybdenum | 96-1 | 2747 | 3047 | 2870 | 2888 | 5.22 | cps |
| Molybdenum | 97-1 | 743 | 623 | 767 | 711 | 10.82 | cps |
| Molybdenum | 98-1 | 1930 | 1810 | 2027 | 1922 | 5.65 | cps |
| Neodymium | 150-1 | 13220 | 13680 | 13206 | 13369 | 2.02 | cps |
| Neodymium | 150-2 | 8179 | 8032 | 7979 | 8063 | 1.29 | cps |
| Nickel | 60-2 | 15111 | 15438 | 15325 | 15291 | 1.09 | cps |
| Phosphorus | 31-2 | 4814 | 4991 | 5231 | 5012 | 4.17 | cps |
| Potassium | 39-2 | 856004 | 855856 | 856556 | 856139 | 0.04 | cps |
| Rhodium | 103-1 | 4330825 | 4331597 | 4214502 | 4292308 | 1.57 | cps |
| Rhodium | 103-2 | 2872924 | 2800270 | 2610328 | 2761174 | 4.91 | cps |
| Scandium | 45-1 | 2524916 | 2547100 | 2489293 | 2520437 | 1.16 | cps |
| Scandium | 45-2 | 285291 | 285480 | 260474 | 277082 | 5.19 | cps |
| Selenium | 82-1 | 279 | 273 | 270 | 274 | 1.69 | cps |
| Selenium | 77-2 | 17 | 30 | 30 | 26 | 30.11 | cps |
| Selenium | 78-2 | 403 | 370 | 383 | 386 | 4.35 | cps |
| Silicon | 28-1 | 2342619 | 2388214 | 2385681 | 2372172 | 1.08 | cps |
| Silver | 107-1 | 1027 | 1117 | 1053 | 1066 | 4.34 | cps |
| Silver | 109-1 | 1040 | 1037 | 983 | 1020 | 3.12 | cps |
| Sodium | 23-2 | 54436 | 53753 | 53526 | 53905 | 0.88 | cps |
| Strontium | 86-1 | 34804 | 35730 | 34794 | 35110 | 1.53 | cps |
| Strontium | 88-1 | 300147 | 305974 | 305015 | 303712 | 1.03 | cps |
| Sulfur | 34-1 | 99477 | 99222 | 98511 | 99070 | 0.51 | cps |
| Terbium | 159-1 | 5840285 | 5859250 | 5837657 | 5845731 | 0.20 | cps |
| Terbium | 159-2 | 3843934 | 3901072 | 3519505 | 3754837 | 5.48 | cps |
| Thallium | 203-1 | 413 | 467 | 387 | 422 | 9.65 | cps |
| Thallium | 205-1 | 1080 | 1070 | 1027 | 1059 | 2.68 | cps |
| Tin | 118-1 | 3017 | 2854 | 2644 | 2838 | 6.60 | cps |
| Titanium | 47-1 | 121980 | 124231 | 123805 | 123339 | 0.97 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453L | Dilution Factor : | 5 |
| Date & Time Acquired : | 2024-10-30 14:50:49 | DataFile Name : | 045SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 3774 | 3824 | 3941 | 3846 | 2.22 | cps |
| Vanadium | 51-2 | 71763 | 72128 | 71873 | 71921 | 0.26 | cps |
| Yttrium | 89-1 | 7729300 | 7778793 | 7637177 | 7715090 | 0.93 | cps |
| Yttrium | 89-2 | 2266728 | 2287301 | 2106414 | 2220148 | 4.46 | cps |
| Zinc | 66-2 | 30398 | 30438 | 29950 | 30262 | 0.89 | cps |
| Zirconium | 90-1 | 20324 | 21169 | 21039 | 20844 | 2.18 | cps |
| Zirconium | 91-1 | 4604 | 4611 | 4694 | 4636 | 1.08 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-06 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453S | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:54:06 | DataFile Name : | 046SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5721453 | 5658851 | 5713854 | 5698052 | 0.60 | cps |
| Antimony | 121-1 | 392309 | 400936 | 399821 | 397689 | 1.18 | cps |
| Arsenic | 75-2 | 90651 | 91701 | 91490 | 91281 | 0.61 | cps |
| Barium | 135-1 | 2822802 | 2869546 | 2946526 | 2879625 | 2.17 | cps |
| Barium | 137-1 | 4865748 | 5000785 | 4965095 | 4943876 | 1.42 | cps |
| Beryllium | 9-1 | 23020 | 23501 | 23548 | 23357 | 1.25 | cps |
| Bismuth | 209-1 | 3687782 | 3567530 | 3522431 | 3592581 | 2.38 | cps |
| Bismuth | 209-2 | 2687130 | 2722265 | 2726093 | 2711829 | 0.79 | cps |
| Bromine | 81-1 | 6908 | 7068 | 7042 | 7006 | 1.22 | cps |
| Bromine | 81-2 | 610 | 483 | 543 | 546 | 11.61 | cps |
| Cadmium | 108-1 | 3084 | 3294 | 3310 | 3229 | 3.91 | cps |
| Cadmium | 106-1 | 5644 | 5741 | 5634 | 5673 | 1.04 | cps |
| Cadmium | 111-1 | 48805 | 48779 | 49322 | 48969 | 0.62 | cps |
| Calcium | 43-1 | 178207 | 179269 | 181843 | 179773 | 1.04 | cps |
| Calcium | 44-1 | 2754105 | 2896102 | 2826846 | 2825684 | 2.51 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 654300 | 645939 | 644371 | 648203 | 0.82 | cps |
| Cobalt | 59-2 | 1733396 | 1708330 | 1716880 | 1719535 | 0.74 | cps |
| Copper | 63-2 | 1463980 | 1460227 | 1462814 | 1462340 | 0.13 | cps |
| Dysprosium | 156-1 | 38178 | 39088 | 39325 | 38864 | 1.56 | cps |
| Dysprosium | 156-2 | 34683 | 34683 | 35060 | 34809 | 0.63 | cps |
| Erbium | 164-1 | 30199 | 30921 | 31108 | 30743 | 1.56 | cps |
| Erbium | 164-2 | 21179 | 21083 | 21216 | 21159 | 0.33 | cps |
| Gadolinium | 160-1 | 37012 | 37330 | 37828 | 37390 | 1.10 | cps |
| Gadolinium | 160-2 | 26735 | 26926 | 26769 | 26810 | 0.38 | cps |
| Holmium | 165-1 | 5894184 | 5788042 | 5819953 | 5834060 | 0.93 | cps |
| Holmium | 165-2 | 3942934 | 3924805 | 3992478 | 3953406 | 0.89 | cps |
| Indium | 115-1 | 4719077 | 4570301 | 4539040 | 4609473 | 2.09 | cps |
| Indium | 115-2 | 1709206 | 1718709 | 1706240 | 1711385 | 0.38 | cps |
| Iron | 56-2 | 213119543 | 212560390 | 212125570 | 212601835 | 0.23 | cps |
| Iron | 57-2 | 5189869 | 5188504 | 5188658 | 5189010 | 0.01 | cps |
| Iron | 54-2 | 11714679 | 11636515 | 11608949 | 11653381 | 0.47 | cps |
| Krypton | 83-1 | 220 | 210 | 163 | 198 | 15.29 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-06 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453S | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:54:06 | DataFile Name : | 046SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 395209 | 400242 | 405293 | 400248 | 1.26 | cps |
| Lead | 207-1 | 340019 | 347236 | 346356 | 344537 | 1.14 | cps |
| Lead | 208-1 | 1560196 | 1584161 | 1586755 | 1577037 | 0.93 | cps |
| Lithium | 6-1 | 572172 | 575755 | 564818 | 570915 | 0.98 | cps |
| Magnesium | 24-2 | 4368477 | 4317258 | 4262291 | 4316009 | 1.23 | cps |
| Manganese | 55-2 | 6922661 | 6897278 | 6892450 | 6904130 | 0.24 | cps |
| Molybdenum | 94-1 | 46173 | 47333 | 46547 | 46684 | 1.27 | cps |
| Molybdenum | 95-1 | 5968 | 6051 | 6005 | 6008 | 0.70 | cps |
| Molybdenum | 96-1 | 14831 | 15298 | 15341 | 15157 | 1.87 | cps |
| Molybdenum | 97-1 | 3624 | 3610 | 3747 | 3661 | 2.06 | cps |
| Molybdenum | 98-1 | 9213 | 9453 | 9506 | 9391 | 1.66 | cps |
| Neodymium | 150-1 | 73929 | 76144 | 75340 | 75138 | 1.49 | cps |
| Neodymium | 150-2 | 44590 | 44360 | 44737 | 44562 | 0.43 | cps |
| Nickel | 60-2 | 461081 | 460349 | 459206 | 460212 | 0.21 | cps |
| Phosphorus | 31-2 | 27274 | 27461 | 26837 | 27191 | 1.18 | cps |
| Potassium | 39-2 | 4131621 | 4147885 | 4096232 | 4125246 | 0.64 | cps |
| Rhodium | 103-1 | 4396338 | 4308754 | 4250522 | 4318538 | 1.70 | cps |
| Rhodium | 103-2 | 2844746 | 2861607 | 2825745 | 2844033 | 0.63 | cps |
| Scandium | 45-1 | 2750682 | 2719445 | 2648127 | 2706085 | 1.94 | cps |
| Scandium | 45-2 | 301186 | 301121 | 300490 | 300932 | 0.13 | cps |
| Selenium | 82-1 | 6196 | 6362 | 6559 | 6372 | 2.85 | cps |
| Selenium | 77-2 | 993 | 783 | 860 | 879 | 12.09 | cps |
| Selenium | 78-2 | 2667 | 2784 | 2757 | 2736 | 2.23 | cps |
| Silicon | 28-1 | 11845402 | 11968763 | 11982268 | 11932144 | 0.63 | cps |
| Silver | 107-1 | 203798 | 208608 | 208594 | 207000 | 1.34 | cps |
| Silver | 109-1 | 193924 | 197173 | 197202 | 196100 | 0.96 | cps |
| Sodium | 23-2 | 133449 | 133395 | 132696 | 133180 | 0.32 | cps |
| Strontium | 86-1 | 187533 | 192958 | 193242 | 191244 | 1.68 | cps |
| Strontium | 88-1 | 1706936 | 1771942 | 1738520 | 1739133 | 1.87 | cps |
| Sulfur | 34-1 | 108589 | 105648 | 105726 | 106654 | 1.57 | cps |
| Terbium | 159-1 | 6010123 | 5929176 | 5964195 | 5967831 | 0.68 | cps |
| Terbium | 159-2 | 3946362 | 3916845 | 3939846 | 3934351 | 0.39 | cps |
| Thallium | 203-1 | 154229 | 159003 | 156918 | 156717 | 1.53 | cps |
| Thallium | 205-1 | 365442 | 373350 | 373894 | 370895 | 1.28 | cps |
| Tin | 118-1 | 9103 | 9443 | 8863 | 9136 | 3.19 | cps |
| Titanium | 47-1 | 669204 | 688290 | 688032 | 681842 | 1.61 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-06 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453S | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:54:06 | DataFile Name : | 046SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 21451 | 21447 | 21467 | 21455 | 0.05 | cps |
| Vanadium | 51-2 | 1290316 | 1282449 | 1300421 | 1291062 | 0.70 | cps |
| Yttrium | 89-1 | 8497988 | 8181322 | 8147772 | 8275694 | 2.34 | cps |
| Yttrium | 89-2 | 2391357 | 2400225 | 2431199 | 2407593 | 0.87 | cps |
| Zinc | 66-2 | 324915 | 325891 | 324239 | 325015 | 0.26 | cps |
| Zirconium | 90-1 | 114624 | 118470 | 116957 | 116684 | 1.66 | cps |
| Zirconium | 91-1 | 25669 | 25766 | 26521 | 25985 | 1.79 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04MS | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453SRE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:57:10 | DataFile Name : | 047SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6161791 | 6108667 | 6094954 | 6121804 | 0.58 | cps |
| Antimony | 121-1 | 1680398 | 1705641 | 1712922 | 1699654 | 1.00 | cps |
| Arsenic | 75-2 | 122181 | 121001 | 120363 | 121182 | 0.76 | cps |
| Barium | 135-1 | 8734187 | 8851130 | 8894263 | 8826527 | 0.94 | cps |
| Barium | 137-1 | 15124364 | 15165673 | 15363870 | 15217969 | 0.84 | cps |
| Beryllium | 9-1 | 87840 | 86194 | 88315 | 87450 | 1.27 | cps |
| Bismuth | 209-1 | 3657480 | 3571318 | 3608863 | 3612554 | 1.20 | cps |
| Bismuth | 209-2 | 2722938 | 2717345 | 2723854 | 2721379 | 0.13 | cps |
| Bromine | 81-1 | 7148 | 6925 | 7135 | 7070 | 1.77 | cps |
| Bromine | 81-2 | 553 | 537 | 563 | 551 | 2.44 | cps |
| Cadmium | 108-1 | 12682 | 12552 | 13129 | 12788 | 2.37 | cps |
| Cadmium | 106-1 | 18475 | 18922 | 18919 | 18772 | 1.37 | cps |
| Cadmium | 111-1 | 191303 | 193756 | 194633 | 193231 | 0.89 | cps |
| Calcium | 43-1 | 174336 | 176072 | 174599 | 175002 | 0.53 | cps |
| Calcium | 44-1 | 2703613 | 2705950 | 2768221 | 2725928 | 1.34 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1781227 | 1799816 | 1799783 | 1793609 | 0.60 | cps |
| Cobalt | 59-2 | 6091254 | 6031749 | 5991646 | 6038217 | 0.83 | cps |
| Copper | 63-2 | 2959310 | 2960616 | 2938122 | 2952683 | 0.43 | cps |
| Dysprosium | 156-1 | 37644 | 39101 | 39556 | 38767 | 2.58 | cps |
| Dysprosium | 156-2 | 33493 | 34402 | 34399 | 34098 | 1.54 | cps |
| Erbium | 164-1 | 30296 | 30313 | 30490 | 30366 | 0.35 | cps |
| Erbium | 164-2 | 20218 | 20161 | 20756 | 20378 | 1.61 | cps |
| Gadolinium | 160-1 | 36243 | 36838 | 36731 | 36604 | 0.87 | cps |
| Gadolinium | 160-2 | 26408 | 26689 | 25911 | 26336 | 1.50 | cps |
| Holmium | 165-1 | 5771152 | 5807143 | 5831334 | 5803209 | 0.52 | cps |
| Holmium | 165-2 | 3882161 | 3947642 | 3930600 | 3920134 | 0.87 | cps |
| Indium | 115-1 | 4576286 | 4587148 | 4577966 | 4580467 | 0.13 | cps |
| Indium | 115-2 | 1699230 | 1708994 | 1707925 | 1705383 | 0.31 | cps |
| Iron | 56-2 | 211176784 | 210643384 | 209097004 | 210305724 | 0.51 | cps |
| Iron | 57-2 | 5240440 | 5197965 | 5137273 | 5191893 | 1.00 | cps |
| Iron | 54-2 | 11650541 | 11656839 | 11600186 | 11635856 | 0.27 | cps |
| Krypton | 83-1 | 200 | 187 | 227 | 204 | 9.96 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04MS | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453SRE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:57:10 | DataFile Name : | 047SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 545014 | 561131 | 559166 | 555104 | 1.58 | cps |
| Lead | 207-1 | 481958 | 482314 | 481660 | 481977 | 0.07 | cps |
| Lead | 208-1 | 2177459 | 2206627 | 2209897 | 2197995 | 0.81 | cps |
| Lithium | 6-1 | 568291 | 571675 | 566688 | 568885 | 0.45 | cps |
| Magnesium | 24-2 | 4285389 | 4228236 | 4173204 | 4228943 | 1.33 | cps |
| Manganese | 55-2 | 8731287 | 8698662 | 8720856 | 8716935 | 0.19 | cps |
| Molybdenum | 94-1 | 45283 | 46055 | 44665 | 45334 | 1.54 | cps |
| Molybdenum | 95-1 | 6131 | 6161 | 6051 | 6115 | 0.93 | cps |
| Molybdenum | 96-1 | 15068 | 14968 | 15452 | 15162 | 1.68 | cps |
| Molybdenum | 97-1 | 3554 | 3677 | 3801 | 3677 | 3.35 | cps |
| Molybdenum | 98-1 | 9380 | 9346 | 9523 | 9416 | 1.00 | cps |
| Neodymium | 150-1 | 72753 | 74086 | 75176 | 74005 | 1.64 | cps |
| Neodymium | 150-2 | 43728 | 44239 | 43614 | 43860 | 0.76 | cps |
| Nickel | 60-2 | 1622015 | 1591093 | 1574769 | 1595959 | 1.50 | cps |
| Phosphorus | 31-2 | 26112 | 26176 | 26363 | 26217 | 0.50 | cps |
| Potassium | 39-2 | 4090981 | 4023375 | 3984125 | 4032827 | 1.34 | cps |
| Rhodium | 103-1 | 4206993 | 4263137 | 4210116 | 4226748 | 0.75 | cps |
| Rhodium | 103-2 | 2840904 | 2804410 | 2841132 | 2828815 | 0.75 | cps |
| Scandium | 45-1 | 2667985 | 2609883 | 2605553 | 2627807 | 1.33 | cps |
| Scandium | 45-2 | 301868 | 297449 | 295162 | 298160 | 1.14 | cps |
| Selenium | 82-1 | 25068 | 25161 | 25350 | 25193 | 0.57 | cps |
| Selenium | 77-2 | 2904 | 3027 | 2870 | 2934 | 2.81 | cps |
| Selenium | 78-2 | 10060 | 10010 | 10027 | 10032 | 0.25 | cps |
| Silicon | 28-1 | 11541899 | 11907622 | 11753758 | 11734426 | 1.56 | cps |
| Silver | 107-1 | 571536 | 562425 | 615730 | 583230 | 4.89 | cps |
| Silver | 109-1 | 443934 | 471826 | 525910 | 480556 | 8.67 | cps |
| Sodium | 23-2 | 173799 | 174454 | 174938 | 174397 | 0.33 | cps |
| Strontium | 86-1 | 185527 | 188066 | 186102 | 186565 | 0.71 | cps |
| Strontium | 88-1 | 1707278 | 1712500 | 1686077 | 1701952 | 0.82 | cps |
| Sulfur | 34-1 | 104910 | 104658 | 103917 | 104495 | 0.49 | cps |
| Terbium | 159-1 | 6000998 | 6014705 | 5914455 | 5976719 | 0.91 | cps |
| Terbium | 159-2 | 3921032 | 3944860 | 3919117 | 3928336 | 0.37 | cps |
| Thallium | 203-1 | 657977 | 651895 | 650101 | 653324 | 0.63 | cps |
| Thallium | 205-1 | 1532726 | 1542519 | 1528783 | 1534676 | 0.46 | cps |
| Tin | 118-1 | 8839 | 9106 | 9340 | 9095 | 2.75 | cps |
| Titanium | 47-1 | 663427 | 668567 | 669503 | 667166 | 0.49 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04MS | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453SRE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 14:57:10 | DataFile Name : | 047SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 21127 | 22018 | 21067 | 21404 | 2.49 | cps |
| Vanadium | 51-2 | 3874414 | 3782282 | 3781124 | 3812607 | 1.40 | cps |
| Yttrium | 89-1 | 8266972 | 8144381 | 8138154 | 8183169 | 0.89 | cps |
| Yttrium | 89-2 | 2379864 | 2396769 | 2398220 | 2391618 | 0.43 | cps |
| Zinc | 66-2 | 819903 | 812235 | 810640 | 814259 | 0.61 | cps |
| Zirconium | 90-1 | 111674 | 114683 | 115019 | 113792 | 1.62 | cps |
| Zirconium | 91-1 | 25158 | 25886 | 25375 | 25473 | 1.47 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:00:10 | DataFile Name : | 048SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6905320 | 6969611 | 6974717 | 6949883 | 0.56 | cps |
| Antimony | 121-1 | 10591 | 10804 | 10104 | 10499 | 3.42 | cps |
| Arsenic | 75-2 | 47021 | 46446 | 46750 | 46739 | 0.62 | cps |
| Barium | 135-1 | 752102 | 757756 | 756661 | 755506 | 0.40 | cps |
| Barium | 137-1 | 1290205 | 1306865 | 1303721 | 1300264 | 0.68 | cps |
| Beryllium | 9-1 | 933 | 1057 | 1047 | 1012 | 6.77 | cps |
| Bismuth | 209-1 | 3576022 | 3634233 | 3532650 | 3580968 | 1.42 | cps |
| Bismuth | 209-2 | 2709660 | 2725560 | 2713281 | 2716167 | 0.31 | cps |
| Bromine | 81-1 | 6538 | 6768 | 7112 | 6806 | 4.24 | cps |
| Bromine | 81-2 | 523 | 483 | 510 | 506 | 4.03 | cps |
| Cadmium | 108-1 | 260 | 320 | 243 | 274 | 14.69 | cps |
| Cadmium | 106-1 | 1547 | 1573 | 1437 | 1519 | 4.77 | cps |
| Cadmium | 111-1 | 3254 | 3311 | 3282 | 3283 | 0.86 | cps |
| Calcium | 43-1 | 310079 | 315480 | 317133 | 314231 | 1.17 | cps |
| Calcium | 44-1 | 4869823 | 4934040 | 4963352 | 4922405 | 0.97 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 294536 | 292000 | 292535 | 293023 | 0.46 | cps |
| Cobalt | 59-2 | 205035 | 203980 | 202957 | 203991 | 0.51 | cps |
| Copper | 63-2 | 881003 | 878895 | 868401 | 876100 | 0.77 | cps |
| Dysprosium | 156-1 | 40425 | 41227 | 41364 | 41005 | 1.24 | cps |
| Dysprosium | 156-2 | 36394 | 36598 | 35946 | 36312 | 0.92 | cps |
| Erbium | 164-1 | 33570 | 33848 | 33343 | 33587 | 0.75 | cps |
| Erbium | 164-2 | 22505 | 22505 | 22612 | 22540 | 0.27 | cps |
| Gadolinium | 160-1 | 39011 | 40097 | 39729 | 39612 | 1.40 | cps |
| Gadolinium | 160-2 | 28138 | 28021 | 28352 | 28171 | 0.60 | cps |
| Holmium | 165-1 | 5829503 | 5717699 | 5696348 | 5747850 | 1.24 | cps |
| Holmium | 165-2 | 3875489 | 3939998 | 3904693 | 3906727 | 0.83 | cps |
| Indium | 115-1 | 4621925 | 4645307 | 4517365 | 4594866 | 1.48 | cps |
| Indium | 115-2 | 1699585 | 1718138 | 1735411 | 1717711 | 1.04 | cps |
| Iron | 56-2 | 216523283 | 213888003 | 214591197 | 215000828 | 0.63 | cps |
| Iron | 57-2 | 5378308 | 5311927 | 5320009 | 5336748 | 0.68 | cps |
| Iron | 54-2 | 11889705 | 12037894 | 11858229 | 11928610 | 0.80 | cps |
| Krypton | 83-1 | 183 | 160 | 260 | 201 | 26.02 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:00:10 | DataFile Name : | 048SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 286827 | 289300 | 286181 | 287436 | 0.57 | cps |
| Lead | 207-1 | 248165 | 248835 | 249629 | 248877 | 0.29 | cps |
| Lead | 208-1 | 1127365 | 1140579 | 1127061 | 1131668 | 0.68 | cps |
| Lithium | 6-1 | 562743 | 557869 | 550840 | 557151 | 1.07 | cps |
| Magnesium | 24-2 | 5154631 | 5144481 | 5057502 | 5118872 | 1.04 | cps |
| Manganese | 55-2 | 6258651 | 6296043 | 6190011 | 6248235 | 0.86 | cps |
| Molybdenum | 94-1 | 59430 | 60558 | 60394 | 60127 | 1.01 | cps |
| Molybdenum | 95-1 | 3771 | 4084 | 4061 | 3972 | 4.40 | cps |
| Molybdenum | 96-1 | 15485 | 15695 | 16086 | 15755 | 1.93 | cps |
| Molybdenum | 97-1 | 2480 | 2557 | 2450 | 2496 | 2.20 | cps |
| Molybdenum | 98-1 | 6115 | 6355 | 6118 | 6196 | 2.22 | cps |
| Neodymium | 150-1 | 78071 | 79922 | 79774 | 79255 | 1.30 | cps |
| Neodymium | 150-2 | 46262 | 47854 | 46403 | 46840 | 1.88 | cps |
| Nickel | 60-2 | 98602 | 98880 | 97605 | 98362 | 0.68 | cps |
| Phosphorus | 31-2 | 17600 | 17503 | 17737 | 17614 | 0.67 | cps |
| Potassium | 39-2 | 3518128 | 3487274 | 3438158 | 3481187 | 1.16 | cps |
| Rhodium | 103-1 | 4279296 | 4249978 | 4189641 | 4239638 | 1.08 | cps |
| Rhodium | 103-2 | 2831763 | 2863607 | 2856624 | 2850665 | 0.59 | cps |
| Scandium | 45-1 | 2688992 | 2662800 | 2634548 | 2662113 | 1.02 | cps |
| Scandium | 45-2 | 306981 | 306641 | 304979 | 306200 | 0.35 | cps |
| Selenium | 82-1 | 365 | 349 | 263 | 326 | 16.72 | cps |
| Selenium | 77-2 | 130 | 173 | 133 | 146 | 16.57 | cps |
| Selenium | 78-2 | 483 | 507 | 457 | 482 | 5.19 | cps |
| Silicon | 28-1 | 12253747 | 12488271 | 12400199 | 12380739 | 0.96 | cps |
| Silver | 107-1 | 5705 | 5144 | 4871 | 5240 | 8.11 | cps |
| Silver | 109-1 | 5274 | 4754 | 5021 | 5016 | 5.19 | cps |
| Sodium | 23-2 | 152160 | 151938 | 151030 | 151710 | 0.39 | cps |
| Strontium | 86-1 | 172320 | 176286 | 176641 | 175082 | 1.37 | cps |
| Strontium | 88-1 | 1578949 | 1634872 | 1602180 | 1605334 | 1.75 | cps |
| Sulfur | 34-1 | 102977 | 102021 | 102534 | 102511 | 0.47 | cps |
| Terbium | 159-1 | 5949474 | 5914661 | 5762079 | 5875405 | 1.70 | cps |
| Terbium | 159-2 | 3925482 | 3952070 | 3902067 | 3926540 | 0.64 | cps |
| Thallium | 203-1 | 2387 | 2174 | 2400 | 2320 | 5.48 | cps |
| Thallium | 205-1 | 5408 | 5291 | 5051 | 5250 | 3.47 | cps |
| Tin | 118-1 | 9296 | 9350 | 9567 | 9404 | 1.52 | cps |
| Titanium | 47-1 | 753051 | 766353 | 766941 | 762115 | 1.03 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:00:10 | DataFile Name : | 048SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14725 | 14982 | 14722 | 14809 | 1.01 | cps |
| Vanadium | 51-2 | 427471 | 421604 | 421977 | 423684 | 0.78 | cps |
| Yttrium | 89-1 | 8185250 | 8325790 | 8243921 | 8251654 | 0.86 | cps |
| Yttrium | 89-2 | 2483137 | 2443637 | 2436807 | 2454527 | 1.02 | cps |
| Zinc | 66-2 | 125206 | 126033 | 126174 | 125804 | 0.42 | cps |
| Zirconium | 90-1 | 158007 | 161154 | 160069 | 159743 | 1.00 | cps |
| Zirconium | 91-1 | 35079 | 35175 | 35897 | 35384 | 1.26 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-13 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481D | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:03:19 | DataFile Name : | 049SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 7186504 | 7105341 | 7097170 | 7129672 | 0.69 | cps |
| Antimony | 121-1 | 10444 | 11161 | 10821 | 10809 | 3.32 | cps |
| Arsenic | 75-2 | 48198 | 47599 | 47302 | 47700 | 0.96 | cps |
| Barium | 135-1 | 751650 | 755878 | 763387 | 756972 | 0.79 | cps |
| Barium | 137-1 | 1289261 | 1312511 | 1317443 | 1306405 | 1.15 | cps |
| Beryllium | 9-1 | 937 | 967 | 943 | 949 | 1.66 | cps |
| Bismuth | 209-1 | 3597833 | 3632193 | 3524346 | 3584791 | 1.54 | cps |
| Bismuth | 209-2 | 2722603 | 2749140 | 2767226 | 2746323 | 0.82 | cps |
| Bromine | 81-1 | 7205 | 7058 | 7375 | 7213 | 2.20 | cps |
| Bromine | 81-2 | 700 | 570 | 573 | 614 | 12.06 | cps |
| Cadmium | 108-1 | 313 | 310 | 313 | 312 | 0.62 | cps |
| Cadmium | 106-1 | 1580 | 1557 | 1590 | 1576 | 1.09 | cps |
| Cadmium | 111-1 | 3330 | 3473 | 3387 | 3397 | 2.11 | cps |
| Calcium | 43-1 | 323954 | 326614 | 328222 | 326263 | 0.66 | cps |
| Calcium | 44-1 | 5089801 | 5110900 | 5126448 | 5109050 | 0.36 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 299668 | 297979 | 298585 | 298744 | 0.29 | cps |
| Cobalt | 59-2 | 211266 | 210124 | 209770 | 210387 | 0.37 | cps |
| Copper | 63-2 | 899902 | 898686 | 891182 | 896590 | 0.53 | cps |
| Dysprosium | 156-1 | 41966 | 42762 | 42999 | 42575 | 1.27 | cps |
| Dysprosium | 156-2 | 37824 | 37570 | 37704 | 37699 | 0.34 | cps |
| Erbium | 164-1 | 34265 | 34940 | 35361 | 34856 | 1.59 | cps |
| Erbium | 164-2 | 23901 | 23477 | 23380 | 23586 | 1.17 | cps |
| Gadolinium | 160-1 | 40331 | 40074 | 41087 | 40497 | 1.30 | cps |
| Gadolinium | 160-2 | 29331 | 29297 | 29261 | 29296 | 0.12 | cps |
| Holmium | 165-1 | 5687198 | 5834364 | 5699227 | 5740263 | 1.42 | cps |
| Holmium | 165-2 | 3922422 | 3934546 | 3967487 | 3941485 | 0.59 | cps |
| Indium | 115-1 | 4552168 | 4617003 | 4463802 | 4544324 | 1.69 | cps |
| Indium | 115-2 | 1733065 | 1750780 | 1730515 | 1738120 | 0.64 | cps |
| Iron | 56-2 | 220868750 | 220251037 | 221286650 | 220802146 | 0.24 | cps |
| Iron | 57-2 | 5401570 | 5443892 | 5430490 | 5425317 | 0.40 | cps |
| Iron | 54-2 | 12204903 | 12211277 | 12154548 | 12190243 | 0.25 | cps |
| Krypton | 83-1 | 203 | 193 | 233 | 210 | 9.91 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-13 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481D | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:03:19 | DataFile Name : | 049SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 293448 | 295766 | 295621 | 294945 | 0.44 | cps |
| Lead | 207-1 | 252974 | 258648 | 256510 | 256044 | 1.12 | cps |
| Lead | 208-1 | 1150825 | 1167706 | 1167654 | 1162062 | 0.84 | cps |
| Lithium | 6-1 | 556922 | 553161 | 540423 | 550169 | 1.57 | cps |
| Magnesium | 24-2 | 5307873 | 5279647 | 5219748 | 5269089 | 0.85 | cps |
| Manganese | 55-2 | 6251779 | 6174518 | 6229694 | 6218664 | 0.64 | cps |
| Molybdenum | 94-1 | 59038 | 60755 | 60678 | 60157 | 1.61 | cps |
| Molybdenum | 95-1 | 4124 | 4154 | 4121 | 4133 | 0.44 | cps |
| Molybdenum | 96-1 | 15642 | 15955 | 15625 | 15741 | 1.18 | cps |
| Molybdenum | 97-1 | 2630 | 2590 | 2560 | 2594 | 1.35 | cps |
| Molybdenum | 98-1 | 6465 | 6301 | 6572 | 6446 | 2.11 | cps |
| Neodymium | 150-1 | 80817 | 81222 | 83046 | 81695 | 1.45 | cps |
| Neodymium | 150-2 | 48286 | 48329 | 48282 | 48299 | 0.05 | cps |
| Nickel | 60-2 | 101047 | 100786 | 100149 | 100661 | 0.46 | cps |
| Phosphorus | 31-2 | 18231 | 17784 | 18184 | 18066 | 1.36 | cps |
| Potassium | 39-2 | 3582482 | 3577380 | 3560279 | 3573380 | 0.33 | cps |
| Rhodium | 103-1 | 4233503 | 4278752 | 4210449 | 4240901 | 0.82 | cps |
| Rhodium | 103-2 | 2910119 | 2847255 | 2905996 | 2887790 | 1.22 | cps |
| Scandium | 45-1 | 2702754 | 2691767 | 2693435 | 2695985 | 0.22 | cps |
| Scandium | 45-2 | 306954 | 305041 | 309994 | 307330 | 0.81 | cps |
| Selenium | 82-1 | 329 | 335 | 321 | 328 | 2.15 | cps |
| Selenium | 77-2 | 123 | 183 | 157 | 154 | 19.46 | cps |
| Selenium | 78-2 | 453 | 480 | 413 | 449 | 7.48 | cps |
| Silicon | 28-1 | 11236489 | 11301976 | 11515315 | 11351260 | 1.28 | cps |
| Silver | 107-1 | 5201 | 5434 | 5028 | 5221 | 3.91 | cps |
| Silver | 109-1 | 4768 | 5028 | 4928 | 4908 | 2.67 | cps |
| Sodium | 23-2 | 156742 | 154304 | 154604 | 155217 | 0.86 | cps |
| Strontium | 86-1 | 176992 | 182311 | 179448 | 179584 | 1.48 | cps |
| Strontium | 88-1 | 1596086 | 1645404 | 1624735 | 1622075 | 1.53 | cps |
| Sulfur | 34-1 | 101356 | 99991 | 100165 | 100504 | 0.74 | cps |
| Terbium | 159-1 | 5908352 | 5933250 | 5901461 | 5914354 | 0.28 | cps |
| Terbium | 159-2 | 3969401 | 3929106 | 3922140 | 3940216 | 0.65 | cps |
| Thallium | 203-1 | 2120 | 2167 | 2164 | 2150 | 1.21 | cps |
| Thallium | 205-1 | 5204 | 5371 | 5351 | 5309 | 1.71 | cps |
| Tin | 118-1 | 10064 | 9753 | 9874 | 9897 | 1.58 | cps |
| Titanium | 47-1 | 752555 | 770730 | 763642 | 762309 | 1.20 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-13 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481D | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:03:19 | DataFile Name : | 049SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14652 | 15950 | 15649 | 15417 | 4.41 | cps |
| Vanadium | 51-2 | 432487 | 432490 | 432192 | 432390 | 0.04 | cps |
| Yttrium | 89-1 | 8231809 | 8238851 | 8179659 | 8216773 | 0.39 | cps |
| Yttrium | 89-2 | 2478116 | 2439285 | 2513344 | 2476915 | 1.50 | cps |
| Zinc | 66-2 | 130985 | 128702 | 128594 | 129427 | 1.04 | cps |
| Zirconium | 90-1 | 154511 | 158633 | 157659 | 156934 | 1.37 | cps |
| Zirconium | 91-1 | 34096 | 35563 | 35262 | 34974 | 2.22 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481L | Dilution Factor : | 5 |
| Date & Time Acquired : | 2024-10-30 15:06:30 | DataFile Name : | 050SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1262087 | 1261377 | 1251337 | 1258267 | 0.48 | cps |
| Antimony | 121-1 | 1790 | 1820 | 1913 | 1841 | 3.49 | cps |
| Arsenic | 75-2 | 8322 | 8649 | 8426 | 8466 | 1.97 | cps |
| Barium | 135-1 | 135649 | 138529 | 139148 | 137775 | 1.36 | cps |
| Barium | 137-1 | 231383 | 237156 | 239035 | 235858 | 1.69 | cps |
| Beryllium | 9-1 | 187 | 163 | 190 | 180 | 8.07 | cps |
| Bismuth | 209-1 | 3756441 | 3658687 | 3642204 | 3685777 | 1.68 | cps |
| Bismuth | 209-2 | 2717507 | 2691012 | 2718921 | 2709147 | 0.58 | cps |
| Bromine | 81-1 | 5755 | 5674 | 5678 | 5702 | 0.79 | cps |
| Bromine | 81-2 | 133 | 127 | 163 | 141 | 13.84 | cps |
| Cadmium | 108-1 | 70 | 50 | 70 | 63 | 18.23 | cps |
| Cadmium | 106-1 | 1180 | 1230 | 1210 | 1207 | 2.09 | cps |
| Cadmium | 111-1 | 1294 | 1393 | 1205 | 1297 | 7.25 | cps |
| Calcium | 43-1 | 56856 | 57880 | 58368 | 57701 | 1.34 | cps |
| Calcium | 44-1 | 951368 | 965529 | 959973 | 958957 | 0.74 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 53023 | 54642 | 53538 | 53734 | 1.54 | cps |
| Cobalt | 59-2 | 37587 | 37126 | 37373 | 37362 | 0.62 | cps |
| Copper | 63-2 | 161501 | 159776 | 159845 | 160374 | 0.61 | cps |
| Dysprosium | 156-1 | 7632 | 7655 | 7726 | 7671 | 0.63 | cps |
| Dysprosium | 156-2 | 6668 | 6248 | 6398 | 6438 | 3.31 | cps |
| Erbium | 164-1 | 6168 | 6181 | 6051 | 6134 | 1.17 | cps |
| Erbium | 164-2 | 4107 | 4171 | 4161 | 4146 | 0.82 | cps |
| Gadolinium | 160-1 | 7372 | 7155 | 7462 | 7330 | 2.15 | cps |
| Gadolinium | 160-2 | 5541 | 5211 | 5051 | 5268 | 4.75 | cps |
| Holmium | 165-1 | 5811985 | 5697016 | 5704908 | 5737969 | 1.12 | cps |
| Holmium | 165-2 | 3840565 | 3855682 | 3902844 | 3866364 | 0.84 | cps |
| Indium | 115-1 | 4693514 | 4713938 | 4640882 | 4682778 | 0.80 | cps |
| Indium | 115-2 | 1730425 | 1714810 | 1696137 | 1713791 | 1.00 | cps |
| Iron | 56-2 | 39187557 | 39254630 | 38883251 | 39108479 | 0.51 | cps |
| Iron | 57-2 | 996481 | 994975 | 991711 | 994389 | 0.25 | cps |
| Iron | 54-2 | 2195281 | 2185667 | 2147802 | 2176250 | 1.15 | cps |
| Krypton | 83-1 | 177 | 180 | 163 | 173 | 5.09 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481L | Dilution Factor : | 5 |
| Date & Time Acquired : | 2024-10-30 15:06:30 | DataFile Name : | 050SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 52427 | 53468 | 53083 | 52993 | 0.99 | cps |
| Lead | 207-1 | 45884 | 46389 | 45977 | 46083 | 0.58 | cps |
| Lead | 208-1 | 208477 | 210382 | 210840 | 209900 | 0.60 | cps |
| Lithium | 6-1 | 549771 | 545284 | 553566 | 549540 | 0.75 | cps |
| Magnesium | 24-2 | 958115 | 951414 | 952063 | 953864 | 0.39 | cps |
| Manganese | 55-2 | 1168011 | 1168463 | 1160378 | 1165617 | 0.39 | cps |
| Molybdenum | 94-1 | 10861 | 16015 | 11668 | 12848 | 21.58 | cps |
| Molybdenum | 95-1 | 927 | 953 | 880 | 920 | 4.03 | cps |
| Molybdenum | 96-1 | 2987 | 2934 | 3017 | 2979 | 1.42 | cps |
| Molybdenum | 97-1 | 683 | 503 | 620 | 602 | 15.16 | cps |
| Molybdenum | 98-1 | 1190 | 1477 | 1370 | 1346 | 10.77 | cps |
| Neodymium | 150-1 | 14227 | 14377 | 14538 | 14381 | 1.08 | cps |
| Neodymium | 150-2 | 8369 | 8216 | 8339 | 8308 | 0.98 | cps |
| Nickel | 60-2 | 18164 | 18381 | 18512 | 18352 | 0.96 | cps |
| Phosphorus | 31-2 | 3390 | 3297 | 3434 | 3374 | 2.07 | cps |
| Potassium | 39-2 | 730699 | 726106 | 719305 | 725370 | 0.79 | cps |
| Rhodium | 103-1 | 4430744 | 4308683 | 4308140 | 4349189 | 1.62 | cps |
| Rhodium | 103-2 | 2847167 | 2893293 | 2881047 | 2873836 | 0.83 | cps |
| Scandium | 45-1 | 2601615 | 2523389 | 2516045 | 2547016 | 1.86 | cps |
| Scandium | 45-2 | 288127 | 284270 | 285736 | 286044 | 0.68 | cps |
| Selenium | 82-1 | 276 | 224 | 287 | 262 | 12.96 | cps |
| Selenium | 77-2 | 30 | 30 | 20 | 27 | 21.65 | cps |
| Selenium | 78-2 | 357 | 390 | 407 | 384 | 6.62 | cps |
| Silicon | 28-1 | 2389908 | 2409972 | 2417865 | 2405915 | 0.60 | cps |
| Silver | 107-1 | 1063 | 993 | 1023 | 1027 | 3.42 | cps |
| Silver | 109-1 | 893 | 913 | 983 | 930 | 5.08 | cps |
| Sodium | 23-2 | 60548 | 60548 | 61372 | 60823 | 0.78 | cps |
| Strontium | 86-1 | 31985 | 32957 | 32683 | 32542 | 1.54 | cps |
| Strontium | 88-1 | 277621 | 284800 | 283315 | 281912 | 1.34 | cps |
| Sulfur | 34-1 | 97220 | 96985 | 95989 | 96731 | 0.68 | cps |
| Terbium | 159-1 | 5973114 | 5941287 | 5896992 | 5937131 | 0.64 | cps |
| Terbium | 159-2 | 3895720 | 3888491 | 3869264 | 3884492 | 0.35 | cps |
| Thallium | 203-1 | 577 | 537 | 493 | 536 | 7.78 | cps |
| Thallium | 205-1 | 1163 | 1150 | 1227 | 1180 | 3.47 | cps |
| Tin | 118-1 | 2930 | 3064 | 3234 | 3076 | 4.94 | cps |
| Titanium | 47-1 | 136987 | 137995 | 139005 | 137996 | 0.73 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481L | Dilution Factor : | 5 |
| Date & Time Acquired : | 2024-10-30 15:06:30 | DataFile Name : | 050SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 2860 | 2687 | 2777 | 2775 | 3.13 | cps |
| Vanadium | 51-2 | 75920 | 76047 | 76399 | 76122 | 0.33 | cps |
| Yttrium | 89-1 | 7956272 | 7724523 | 7764104 | 7814967 | 1.59 | cps |
| Yttrium | 89-2 | 2292958 | 2283861 | 2287220 | 2288013 | 0.20 | cps |
| Zinc | 66-2 | 24514 | 25024 | 24827 | 24788 | 1.04 | cps |
| Zirconium | 90-1 | 28237 | 28788 | 28668 | 28565 | 1.01 | cps |
| Zirconium | 91-1 | 6068 | 6555 | 6572 | 6398 | 4.47 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-14 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481S | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:09:42 | DataFile Name : | 051SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 7245280 | 7216164 | 7172641 | 7211362 | 0.51 | cps |
| Antimony | 121-1 | 377597 | 382882 | 380387 | 380289 | 0.70 | cps |
| Arsenic | 75-2 | 56283 | 56403 | 57260 | 56649 | 0.94 | cps |
| Barium | 135-1 | 2691929 | 2718038 | 2721557 | 2710508 | 0.60 | cps |
| Barium | 137-1 | 4602012 | 4716653 | 4789837 | 4702834 | 2.01 | cps |
| Beryllium | 9-1 | 20056 | 20884 | 21028 | 20656 | 2.54 | cps |
| Bismuth | 209-1 | 3525553 | 3659790 | 3553545 | 3579629 | 1.98 | cps |
| Bismuth | 209-2 | 2660897 | 2688765 | 2714786 | 2688149 | 1.00 | cps |
| Bromine | 81-1 | 7272 | 7228 | 7022 | 7174 | 1.86 | cps |
| Bromine | 81-2 | 497 | 560 | 533 | 530 | 6.00 | cps |
| Cadmium | 108-1 | 3227 | 3237 | 3214 | 3226 | 0.36 | cps |
| Cadmium | 106-1 | 5631 | 5488 | 5751 | 5623 | 2.35 | cps |
| Cadmium | 111-1 | 46465 | 47552 | 47916 | 47311 | 1.60 | cps |
| Calcium | 43-1 | 319102 | 320945 | 319904 | 319983 | 0.29 | cps |
| Calcium | 44-1 | 4927637 | 5051884 | 5000472 | 4993331 | 1.25 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 663852 | 663517 | 667506 | 664958 | 0.33 | cps |
| Cobalt | 59-2 | 1579394 | 1594342 | 1566071 | 1579936 | 0.90 | cps |
| Copper | 63-2 | 1340560 | 1331713 | 1344626 | 1338966 | 0.49 | cps |
| Dysprosium | 156-1 | 41678 | 42337 | 42698 | 42238 | 1.22 | cps |
| Dysprosium | 156-2 | 36972 | 36551 | 37483 | 37002 | 1.26 | cps |
| Erbium | 164-1 | 34145 | 34439 | 34302 | 34295 | 0.43 | cps |
| Erbium | 164-2 | 23119 | 23119 | 23052 | 23097 | 0.17 | cps |
| Gadolinium | 160-1 | 40070 | 40127 | 40000 | 40066 | 0.16 | cps |
| Gadolinium | 160-2 | 28372 | 29187 | 29575 | 29045 | 2.11 | cps |
| Holmium | 165-1 | 5852932 | 5740517 | 5803254 | 5798901 | 0.97 | cps |
| Holmium | 165-2 | 3819634 | 3922536 | 3868321 | 3870164 | 1.33 | cps |
| Indium | 115-1 | 4636138 | 4632797 | 4536513 | 4601816 | 1.23 | cps |
| Indium | 115-2 | 1739327 | 1740456 | 1744628 | 1741470 | 0.16 | cps |
| Iron | 56-2 | 217732257 | 220077117 | 218009250 | 218606208 | 0.59 | cps |
| Iron | 57-2 | 5474391 | 5418039 | 5446315 | 5446248 | 0.52 | cps |
| Iron | 54-2 | 12117352 | 12129324 | 12126009 | 12124228 | 0.05 | cps |
| Krypton | 83-1 | 187 | 250 | 180 | 206 | 18.79 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-14 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481S | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:09:42 | DataFile Name : | 051SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 334497 | 344009 | 338830 | 339112 | 1.40 | cps |
| Lead | 207-1 | 291625 | 298530 | 293975 | 294710 | 1.19 | cps |
| Lead | 208-1 | 1325480 | 1354097 | 1346403 | 1341993 | 1.10 | cps |
| Lithium | 6-1 | 556738 | 550828 | 542397 | 549987 | 1.31 | cps |
| Magnesium | 24-2 | 5187554 | 5248585 | 5211160 | 5215767 | 0.59 | cps |
| Manganese | 55-2 | 6836562 | 6948925 | 6900668 | 6895385 | 0.82 | cps |
| Molybdenum | 94-1 | 60916 | 60913 | 61589 | 61139 | 0.64 | cps |
| Molybdenum | 95-1 | 3947 | 4107 | 4371 | 4142 | 5.16 | cps |
| Molybdenum | 96-1 | 15638 | 15535 | 15885 | 15686 | 1.15 | cps |
| Molybdenum | 97-1 | 2570 | 2604 | 2470 | 2548 | 2.72 | cps |
| Molybdenum | 98-1 | 6208 | 6618 | 6345 | 6390 | 3.27 | cps |
| Neodymium | 150-1 | 78265 | 81647 | 80465 | 80126 | 2.14 | cps |
| Neodymium | 150-2 | 47958 | 46948 | 47252 | 47386 | 1.09 | cps |
| Nickel | 60-2 | 439084 | 439729 | 437653 | 438822 | 0.24 | cps |
| Phosphorus | 31-2 | 18051 | 18074 | 17627 | 17917 | 1.41 | cps |
| Potassium | 39-2 | 3499678 | 3506008 | 3527792 | 3511159 | 0.42 | cps |
| Rhodium | 103-1 | 4330474 | 4195764 | 4265997 | 4264078 | 1.58 | cps |
| Rhodium | 103-2 | 2855308 | 2863607 | 2852957 | 2857291 | 0.20 | cps |
| Scandium | 45-1 | 2672274 | 2726690 | 2632432 | 2677132 | 1.77 | cps |
| Scandium | 45-2 | 309577 | 306281 | 306069 | 307309 | 0.64 | cps |
| Selenium | 82-1 | 6162 | 6202 | 6434 | 6266 | 2.34 | cps |
| Selenium | 77-2 | 850 | 920 | 757 | 842 | 9.73 | cps |
| Selenium | 78-2 | 2804 | 2634 | 2797 | 2745 | 3.51 | cps |
| Silicon | 28-1 | 12195660 | 12471686 | 12255227 | 12307524 | 1.18 | cps |
| Silver | 107-1 | 187083 | 191864 | 189419 | 189455 | 1.26 | cps |
| Silver | 109-1 | 177112 | 182376 | 179942 | 179810 | 1.47 | cps |
| Sodium | 23-2 | 153119 | 153235 | 152345 | 152900 | 0.32 | cps |
| Strontium | 86-1 | 175083 | 179478 | 179699 | 178086 | 1.46 | cps |
| Strontium | 88-1 | 1608558 | 1592420 | 1602890 | 1601289 | 0.51 | cps |
| Sulfur | 34-1 | 100977 | 99914 | 99202 | 100031 | 0.89 | cps |
| Terbium | 159-1 | 5953849 | 6011719 | 5914473 | 5960014 | 0.82 | cps |
| Terbium | 159-2 | 3971298 | 3972650 | 3842844 | 3928931 | 1.90 | cps |
| Thallium | 203-1 | 151489 | 154097 | 152820 | 152802 | 0.85 | cps |
| Thallium | 205-1 | 353275 | 360107 | 360906 | 358096 | 1.17 | cps |
| Tin | 118-1 | 9703 | 9283 | 9670 | 9552 | 2.45 | cps |
| Titanium | 47-1 | 763356 | 775944 | 771361 | 770220 | 0.83 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-14 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481S | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:09:42 | DataFile Name : | 051SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14682 | 15696 | 14985 | 15121 | 3.44 | cps |
| Vanadium | 51-2 | 1247742 | 1245545 | 1249018 | 1247435 | 0.14 | cps |
| Yttrium | 89-1 | 8351221 | 8270640 | 8136491 | 8252784 | 1.31 | cps |
| Yttrium | 89-2 | 2429438 | 2409843 | 2463868 | 2434383 | 1.12 | cps |
| Zinc | 66-2 | 287690 | 287267 | 285551 | 286836 | 0.39 | cps |
| Zirconium | 90-1 | 156835 | 160503 | 160594 | 159311 | 1.35 | cps |
| Zirconium | 91-1 | 34664 | 35186 | 36248 | 35366 | 2.28 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12MS | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481SRE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:12:49 | DataFile Name : | 052SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 7513595 | 7430893 | 7518239 | 7487576 | 0.66 | cps |
| Antimony | 121-1 | 1715554 | 1738636 | 1734721 | 1729637 | 0.71 | cps |
| Arsenic | 75-2 | 88361 | 88817 | 87590 | 88256 | 0.70 | cps |
| Barium | 135-1 | 8774722 | 9000354 | 9034367 | 8936481 | 1.58 | cps |
| Barium | 137-1 | 15070636 | 15388228 | 15585578 | 15348147 | 1.69 | cps |
| Beryllium | 9-1 | 84156 | 86472 | 87183 | 85937 | 1.84 | cps |
| Bismuth | 209-1 | 3555356 | 3602183 | 3586594 | 3581378 | 0.67 | cps |
| Bismuth | 209-2 | 2668178 | 2731429 | 2754260 | 2717956 | 1.64 | cps |
| Bromine | 81-1 | 6885 | 6935 | 7275 | 7032 | 3.02 | cps |
| Bromine | 81-2 | 537 | 540 | 553 | 543 | 1.62 | cps |
| Cadmium | 108-1 | 12776 | 12926 | 13013 | 12905 | 0.93 | cps |
| Cadmium | 106-1 | 18682 | 19393 | 18842 | 18972 | 1.97 | cps |
| Cadmium | 111-1 | 191822 | 197420 | 197312 | 195518 | 1.64 | cps |
| Calcium | 43-1 | 306457 | 315492 | 316774 | 312908 | 1.80 | cps |
| Calcium | 44-1 | 4737647 | 4903728 | 4911765 | 4851047 | 2.03 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1864119 | 1846048 | 1862167 | 1857445 | 0.53 | cps |
| Cobalt | 59-2 | 6057042 | 6077563 | 6078303 | 6070969 | 0.20 | cps |
| Copper | 63-2 | 2910801 | 2891774 | 2923521 | 2908699 | 0.55 | cps |
| Dysprosium | 156-1 | 40996 | 41247 | 41053 | 41099 | 0.32 | cps |
| Dysprosium | 156-2 | 35806 | 36681 | 36230 | 36239 | 1.21 | cps |
| Erbium | 164-1 | 32862 | 33483 | 34366 | 33570 | 2.25 | cps |
| Erbium | 164-2 | 23373 | 23049 | 23082 | 23168 | 0.77 | cps |
| Gadolinium | 160-1 | 39131 | 39562 | 40612 | 39769 | 1.92 | cps |
| Gadolinium | 160-2 | 28375 | 28452 | 28352 | 28393 | 0.18 | cps |
| Holmium | 165-1 | 5806761 | 5802663 | 5837110 | 5815511 | 0.32 | cps |
| Holmium | 165-2 | 3952103 | 3959576 | 3942857 | 3951512 | 0.21 | cps |
| Indium | 115-1 | 4565027 | 4621263 | 4555482 | 4580591 | 0.78 | cps |
| Indium | 115-2 | 1690906 | 1707148 | 1722890 | 1706981 | 0.94 | cps |
| Iron | 56-2 | 219419643 | 219253123 | 217918097 | 218863621 | 0.38 | cps |
| Iron | 57-2 | 5422884 | 5393090 | 5370994 | 5395656 | 0.48 | cps |
| Iron | 54-2 | 12136064 | 12118341 | 12030669 | 12095025 | 0.47 | cps |
| Krypton | 83-1 | 190 | 180 | 247 | 206 | 17.49 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12MS | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481SRE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:12:49 | DataFile Name : | 052SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 492161 | 509849 | 507762 | 503257 | 1.92 | cps |
| Lead | 207-1 | 428691 | 438227 | 443551 | 436823 | 1.72 | cps |
| Lead | 208-1 | 1960489 | 2021653 | 2008087 | 1996743 | 1.61 | cps |
| Lithium | 6-1 | 539533 | 560139 | 556303 | 551992 | 1.99 | cps |
| Magnesium | 24-2 | 5064725 | 5008600 | 4966646 | 5013323 | 0.98 | cps |
| Manganese | 55-2 | 8874759 | 8779483 | 8840509 | 8831584 | 0.55 | cps |
| Molybdenum | 94-1 | 57860 | 60257 | 58998 | 59038 | 2.03 | cps |
| Molybdenum | 95-1 | 4054 | 4154 | 4327 | 4178 | 3.31 | cps |
| Molybdenum | 96-1 | 15692 | 15522 | 15925 | 15713 | 1.29 | cps |
| Molybdenum | 97-1 | 2674 | 2540 | 2397 | 2537 | 5.45 | cps |
| Molybdenum | 98-1 | 6638 | 6645 | 6725 | 6669 | 0.72 | cps |
| Neodymium | 150-1 | 78004 | 79100 | 79459 | 78854 | 0.96 | cps |
| Neodymium | 150-2 | 45583 | 47008 | 45918 | 46170 | 1.61 | cps |
| Nickel | 60-2 | 1613938 | 1609372 | 1612993 | 1612101 | 0.15 | cps |
| Phosphorus | 31-2 | 17423 | 17467 | 16953 | 17281 | 1.65 | cps |
| Potassium | 39-2 | 3394455 | 3373615 | 3408397 | 3392156 | 0.52 | cps |
| Rhodium | 103-1 | 4373986 | 4301508 | 4288191 | 4321228 | 1.07 | cps |
| Rhodium | 103-2 | 2828570 | 2873467 | 2848343 | 2850127 | 0.79 | cps |
| Scandium | 45-1 | 2641891 | 2691515 | 2684774 | 2672727 | 1.01 | cps |
| Scandium | 45-2 | 302164 | 302746 | 300192 | 301701 | 0.44 | cps |
| Selenium | 82-1 | 25893 | 26751 | 26600 | 26415 | 1.73 | cps |
| Selenium | 77-2 | 3154 | 3190 | 3184 | 3176 | 0.62 | cps |
| Selenium | 78-2 | 10611 | 10574 | 10657 | 10614 | 0.39 | cps |
| Silicon | 28-1 | 11696630 | 11987761 | 11721921 | 11802104 | 1.37 | cps |
| Silver | 107-1 | 562249 | 535365 | 567147 | 554921 | 3.08 | cps |
| Silver | 109-1 | 536586 | 579865 | 532579 | 549677 | 4.77 | cps |
| Sodium | 23-2 | 150322 | 149511 | 150474 | 150102 | 0.35 | cps |
| Strontium | 86-1 | 170240 | 175680 | 173672 | 173197 | 1.59 | cps |
| Strontium | 88-1 | 1583300 | 1578598 | 1584054 | 1581984 | 0.19 | cps |
| Sulfur | 34-1 | 98994 | 99098 | 97478 | 98524 | 0.92 | cps |
| Terbium | 159-1 | 6019981 | 6017183 | 5981488 | 6006218 | 0.36 | cps |
| Terbium | 159-2 | 3926289 | 3950474 | 3953479 | 3943414 | 0.38 | cps |
| Thallium | 203-1 | 667101 | 672761 | 677868 | 672576 | 0.80 | cps |
| Thallium | 205-1 | 1560314 | 1825873 | 1594421 | 1660203 | 8.70 | cps |
| Tin | 118-1 | 9543 | 9994 | 9683 | 9740 | 2.37 | cps |
| Titanium | 47-1 | 733001 | 754640 | 751879 | 746507 | 1.58 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12MS | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481SRE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:12:49 | DataFile Name : | 052SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14585 | 15332 | 14945 | 14954 | 2.50 | cps |
| Vanadium | 51-2 | 3879307 | 3855132 | 3842941 | 3859127 | 0.48 | cps |
| Yttrium | 89-1 | 8260794 | 8327371 | 8127443 | 8238536 | 1.24 | cps |
| Yttrium | 89-2 | 2405947 | 2454005 | 2419999 | 2426650 | 1.02 | cps |
| Zinc | 66-2 | 789733 | 789725 | 786954 | 788804 | 0.20 | cps |
| Zirconium | 90-1 | 150613 | 155906 | 156668 | 154396 | 2.14 | cps |
| Zirconium | 91-1 | 33809 | 35326 | 34514 | 34550 | 2.20 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:15:55 | DataFile Name : | 053SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 7216423 | 7245852 | 7145678 | 7202651 | 0.71 | cps |
| Antimony | 121-1 | 11855 | 11635 | 11912 | 11800 | 1.24 | cps |
| Arsenic | 75-2 | 39265 | 39542 | 39195 | 39334 | 0.47 | cps |
| Barium | 135-1 | 814228 | 831557 | 819956 | 821914 | 1.07 | cps |
| Barium | 137-1 | 1414690 | 1436399 | 1430114 | 1427068 | 0.78 | cps |
| Beryllium | 9-1 | 907 | 903 | 1043 | 951 | 8.40 | cps |
| Bismuth | 209-1 | 3565720 | 3140656 | 3505761 | 3404045 | 6.76 | cps |
| Bismuth | 209-2 | 2650763 | 2618685 | 2654528 | 2641325 | 0.75 | cps |
| Bromine | 81-1 | 7182 | 7232 | 7172 | 7195 | 0.45 | cps |
| Bromine | 81-2 | 603 | 647 | 707 | 652 | 7.96 | cps |
| Cadmium | 108-1 | 190 | 203 | 167 | 187 | 9.94 | cps |
| Cadmium | 106-1 | 1473 | 1427 | 1547 | 1482 | 4.08 | cps |
| Cadmium | 111-1 | 2045 | 2070 | 2036 | 2050 | 0.85 | cps |
| Calcium | 43-1 | 386421 | 392899 | 393231 | 390850 | 0.98 | cps |
| Calcium | 44-1 | 6083112 | 6133118 | 6085543 | 6100591 | 0.46 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 263766 | 262248 | 263288 | 263101 | 0.29 | cps |
| Cobalt | 59-2 | 186785 | 188259 | 185097 | 186714 | 0.85 | cps |
| Copper | 63-2 | 518345 | 522243 | 519497 | 520028 | 0.39 | cps |
| Dysprosium | 156-1 | 39485 | 40137 | 39198 | 39607 | 1.22 | cps |
| Dysprosium | 156-2 | 34990 | 35458 | 34870 | 35106 | 0.88 | cps |
| Erbium | 164-1 | 31592 | 31592 | 31432 | 31539 | 0.29 | cps |
| Erbium | 164-2 | 21143 | 20839 | 20879 | 20954 | 0.79 | cps |
| Gadolinium | 160-1 | 36621 | 37928 | 37751 | 37433 | 1.89 | cps |
| Gadolinium | 160-2 | 26999 | 27026 | 26208 | 26744 | 1.74 | cps |
| Holmium | 165-1 | 5706395 | 5048073 | 5651207 | 5468558 | 6.68 | cps |
| Holmium | 165-2 | 3908697 | 3855396 | 3793442 | 3852512 | 1.50 | cps |
| Indium | 115-1 | 4556585 | 4010543 | 4605436 | 4390855 | 7.52 | cps |
| Indium | 115-2 | 1724026 | 1728256 | 1709934 | 1720739 | 0.56 | cps |
| Iron | 56-2 | 220316903 | 221623537 | 223617330 | 221852590 | 0.75 | cps |
| Iron | 57-2 | 5561611 | 5487057 | 5524120 | 5524263 | 0.67 | cps |
| Iron | 54-2 | 12305582 | 12246906 | 12127149 | 12226546 | 0.74 | cps |
| Krypton | 83-1 | 257 | 207 | 230 | 231 | 10.83 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:15:55 | DataFile Name : | 053SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 161079 | 162877 | 160373 | 161443 | 0.80 | cps |
| Lead | 207-1 | 139353 | 139902 | 137179 | 138811 | 1.04 | cps |
| Lead | 208-1 | 631621 | 639963 | 628900 | 633494 | 0.91 | cps |
| Lithium | 6-1 | 532033 | 470855 | 515037 | 505975 | 6.24 | cps |
| Magnesium | 24-2 | 5402906 | 5424690 | 5419251 | 5415616 | 0.21 | cps |
| Manganese | 55-2 | 3916052 | 3909567 | 3903439 | 3909686 | 0.16 | cps |
| Molybdenum | 94-1 | 64618 | 66547 | 65198 | 65454 | 1.51 | cps |
| Molybdenum | 95-1 | 3240 | 3447 | 3367 | 3352 | 3.11 | cps |
| Molybdenum | 96-1 | 15638 | 16306 | 16209 | 16051 | 2.25 | cps |
| Molybdenum | 97-1 | 2094 | 2010 | 1960 | 2021 | 3.33 | cps |
| Molybdenum | 98-1 | 4838 | 5391 | 5221 | 5150 | 5.51 | cps |
| Neodymium | 150-1 | 80190 | 82070 | 80793 | 81018 | 1.19 | cps |
| Neodymium | 150-2 | 46965 | 47249 | 46466 | 46893 | 0.84 | cps |
| Nickel | 60-2 | 106273 | 108163 | 107257 | 107231 | 0.88 | cps |
| Phosphorus | 31-2 | 22240 | 22256 | 22086 | 22194 | 0.42 | cps |
| Potassium | 39-2 | 3295508 | 3230129 | 3225715 | 3250451 | 1.20 | cps |
| Rhodium | 103-1 | 4189606 | 3741805 | 4172569 | 4034660 | 6.29 | cps |
| Rhodium | 103-2 | 2842202 | 2858852 | 2835149 | 2845401 | 0.43 | cps |
| Scandium | 45-1 | 2648422 | 2381819 | 2635921 | 2555387 | 5.89 | cps |
| Scandium | 45-2 | 309431 | 307407 | 304544 | 307127 | 0.80 | cps |
| Selenium | 82-1 | 314 | 375 | 319 | 336 | 10.05 | cps |
| Selenium | 77-2 | 127 | 193 | 120 | 147 | 27.65 | cps |
| Selenium | 78-2 | 477 | 470 | 493 | 480 | 2.50 | cps |
| Silicon | 28-1 | 8696237 | 8868460 | 8831863 | 8798853 | 1.03 | cps |
| Silver | 107-1 | 2557 | 2334 | 2340 | 2410 | 5.27 | cps |
| Silver | 109-1 | 2674 | 2157 | 1890 | 2240 | 17.78 | cps |
| Sodium | 23-2 | 223814 | 222742 | 222157 | 222905 | 0.38 | cps |
| Strontium | 86-1 | 399954 | 402991 | 404390 | 402445 | 0.56 | cps |
| Strontium | 88-1 | 3703517 | 3659131 | 3689158 | 3683935 | 0.61 | cps |
| Sulfur | 34-1 | 102685 | 101638 | 103306 | 102543 | 0.82 | cps |
| Terbium | 159-1 | 5906512 | 5193624 | 5900503 | 5666880 | 7.23 | cps |
| Terbium | 159-2 | 3850337 | 3844797 | 3779341 | 3824825 | 1.03 | cps |
| Thallium | 203-1 | 1700 | 1597 | 1620 | 1639 | 3.31 | cps |
| Thallium | 205-1 | 3904 | 3817 | 4097 | 3940 | 3.64 | cps |
| Tin | 118-1 | 11578 | 11438 | 11988 | 11668 | 2.45 | cps |
| Titanium | 47-1 | 773595 | 784217 | 778219 | 778677 | 0.68 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:15:55 | DataFile Name : | 053SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 15870 | 15880 | 15973 | 15907 | 0.36 | cps |
| Vanadium | 51-2 | 448673 | 448132 | 450412 | 449072 | 0.27 | cps |
| Yttrium | 89-1 | 8161547 | 7276121 | 8260892 | 7899520 | 6.86 | cps |
| Yttrium | 89-2 | 2453973 | 2427661 | 2384689 | 2422108 | 1.44 | cps |
| Zinc | 66-2 | 95459 | 96073 | 95268 | 95600 | 0.44 | cps |
| Zirconium | 90-1 | 173512 | 173961 | 174522 | 173998 | 0.29 | cps |
| Zirconium | 91-1 | 38404 | 38734 | 38851 | 38663 | 0.60 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-06 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494D | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:19:11 | DataFile Name : | 054SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 7467743 | 7442959 | 7430117 | 7446940 | 0.26 | cps |
| Antimony | 121-1 | 11441 | 11298 | 11712 | 11484 | 1.83 | cps |
| Arsenic | 75-2 | 41277 | 40903 | 40766 | 40982 | 0.65 | cps |
| Barium | 135-1 | 828444 | 845717 | 844413 | 839525 | 1.15 | cps |
| Barium | 137-1 | 1434375 | 1465644 | 1574382 | 1491467 | 4.93 | cps |
| Beryllium | 9-1 | 893 | 1010 | 963 | 956 | 6.15 | cps |
| Bismuth | 209-1 | 3536937 | 3534502 | 3500828 | 3524089 | 0.57 | cps |
| Bismuth | 209-2 | 2660872 | 2631448 | 2663544 | 2651955 | 0.67 | cps |
| Bromine | 81-1 | 7165 | 7382 | 7345 | 7297 | 1.59 | cps |
| Bromine | 81-2 | 563 | 633 | 550 | 582 | 7.69 | cps |
| Cadmium | 108-1 | 217 | 153 | 177 | 182 | 17.58 | cps |
| Cadmium | 106-1 | 1567 | 1560 | 1337 | 1488 | 8.80 | cps |
| Cadmium | 111-1 | 2098 | 2025 | 1895 | 2006 | 5.12 | cps |
| Calcium | 43-1 | 387223 | 396856 | 400023 | 394700 | 1.69 | cps |
| Calcium | 44-1 | 6178694 | 6194971 | 6207304 | 6193657 | 0.23 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 271237 | 270907 | 269445 | 270530 | 0.35 | cps |
| Cobalt | 59-2 | 192526 | 191655 | 191661 | 191947 | 0.26 | cps |
| Copper | 63-2 | 532329 | 531590 | 533963 | 532628 | 0.23 | cps |
| Dysprosium | 156-1 | 40331 | 41544 | 40923 | 40933 | 1.48 | cps |
| Dysprosium | 156-2 | 36273 | 36090 | 35806 | 36056 | 0.65 | cps |
| Erbium | 164-1 | 31482 | 31970 | 31098 | 31517 | 1.39 | cps |
| Erbium | 164-2 | 22491 | 21740 | 21620 | 21951 | 2.15 | cps |
| Gadolinium | 160-1 | 38249 | 38583 | 38630 | 38487 | 0.54 | cps |
| Gadolinium | 160-2 | 27965 | 27003 | 27965 | 27644 | 2.01 | cps |
| Holmium | 165-1 | 5711942 | 5795686 | 5621259 | 5709629 | 1.53 | cps |
| Holmium | 165-2 | 3927169 | 3866396 | 3874440 | 3889335 | 0.85 | cps |
| Indium | 115-1 | 4615708 | 4582883 | 4558141 | 4585577 | 0.63 | cps |
| Indium | 115-2 | 1730092 | 1702026 | 1692615 | 1708244 | 1.14 | cps |
| Iron | 56-2 | 228321750 | 228979297 | 226483897 | 227928314 | 0.57 | cps |
| Iron | 57-2 | 5638281 | 5666664 | 5578386 | 5627777 | 0.80 | cps |
| Iron | 54-2 | 12553539 | 12595360 | 12537824 | 12562241 | 0.24 | cps |
| Krypton | 83-1 | 223 | 227 | 183 | 211 | 11.42 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-06 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494D | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:19:11 | DataFile Name : | 054SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 159969 | 163207 | 161880 | 161686 | 1.01 | cps |
| Lead | 207-1 | 136996 | 140235 | 140801 | 139344 | 1.47 | cps |
| Lead | 208-1 | 627573 | 636093 | 636277 | 633314 | 0.79 | cps |
| Lithium | 6-1 | 525109 | 523257 | 515457 | 521274 | 0.98 | cps |
| Magnesium | 24-2 | 5569304 | 5592935 | 5542809 | 5568349 | 0.45 | cps |
| Manganese | 55-2 | 4007274 | 3993778 | 3979338 | 3993463 | 0.35 | cps |
| Molybdenum | 94-1 | 66641 | 69474 | 67344 | 67819 | 2.18 | cps |
| Molybdenum | 95-1 | 3337 | 3497 | 3497 | 3444 | 2.68 | cps |
| Molybdenum | 96-1 | 16216 | 16970 | 16359 | 16515 | 2.43 | cps |
| Molybdenum | 97-1 | 2207 | 2180 | 2054 | 2147 | 3.82 | cps |
| Molybdenum | 98-1 | 4904 | 5324 | 5024 | 5084 | 4.26 | cps |
| Neodymium | 150-1 | 80196 | 83170 | 81403 | 81590 | 1.83 | cps |
| Neodymium | 150-2 | 48470 | 47182 | 47587 | 47746 | 1.38 | cps |
| Nickel | 60-2 | 109930 | 109385 | 109600 | 109639 | 0.25 | cps |
| Phosphorus | 31-2 | 22917 | 22577 | 22790 | 22762 | 0.76 | cps |
| Potassium | 39-2 | 3331424 | 3341533 | 3325404 | 3332787 | 0.24 | cps |
| Rhodium | 103-1 | 4239644 | 4303771 | 4278541 | 4273985 | 0.76 | cps |
| Rhodium | 103-2 | 2858186 | 2875959 | 2856028 | 2863391 | 0.38 | cps |
| Scandium | 45-1 | 2617353 | 2639355 | 2648982 | 2635230 | 0.62 | cps |
| Scandium | 45-2 | 308560 | 308580 | 307454 | 308198 | 0.21 | cps |
| Selenium | 82-1 | 321 | 341 | 345 | 336 | 3.83 | cps |
| Selenium | 77-2 | 160 | 177 | 197 | 178 | 10.33 | cps |
| Selenium | 78-2 | 483 | 400 | 437 | 440 | 9.49 | cps |
| Silicon | 28-1 | 8431930 | 8569170 | 8558771 | 8519957 | 0.90 | cps |
| Silver | 107-1 | 2154 | 2144 | 2207 | 2168 | 1.57 | cps |
| Silver | 109-1 | 1827 | 1933 | 2020 | 1927 | 5.03 | cps |
| Sodium | 23-2 | 222897 | 224366 | 222276 | 223179 | 0.48 | cps |
| Strontium | 86-1 | 407220 | 411152 | 416976 | 411783 | 1.19 | cps |
| Strontium | 88-1 | 3687564 | 3833943 | 3811129 | 3777545 | 2.08 | cps |
| Sulfur | 34-1 | 104662 | 104323 | 103034 | 104006 | 0.83 | cps |
| Terbium | 159-1 | 5918905 | 6023380 | 5781100 | 5907795 | 2.06 | cps |
| Terbium | 159-2 | 3787452 | 3909953 | 3891965 | 3863124 | 1.71 | cps |
| Thallium | 203-1 | 1567 | 1580 | 1463 | 1537 | 4.16 | cps |
| Thallium | 205-1 | 3520 | 3704 | 3577 | 3601 | 2.61 | cps |
| Tin | 118-1 | 11895 | 11708 | 11421 | 11675 | 2.04 | cps |
| Titanium | 47-1 | 789544 | 799906 | 794668 | 794706 | 0.65 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-06 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494D | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:19:11 | DataFile Name : | 054SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 16170 | 16610 | 16203 | 16328 | 1.50 | cps |
| Vanadium | 51-2 | 465124 | 463609 | 461528 | 463420 | 0.39 | cps |
| Yttrium | 89-1 | 8202416 | 8168329 | 8127672 | 8166139 | 0.46 | cps |
| Yttrium | 89-2 | 2433791 | 2412843 | 2444583 | 2430405 | 0.66 | cps |
| Zinc | 66-2 | 97932 | 97331 | 97626 | 97630 | 0.31 | cps |
| Zirconium | 90-1 | 179115 | 183978 | 184258 | 182451 | 1.58 | cps |
| Zirconium | 91-1 | 39222 | 40870 | 40560 | 40217 | 2.18 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494L | Dilution Factor : | 5 |
| Date & Time Acquired : | 2024-10-30 15:22:28 | DataFile Name : | 055SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1344186 | 1349267 | 1343703 | 1345718 | 0.23 | cps |
| Antimony | 121-1 | 2010 | 2150 | 2234 | 2131 | 5.30 | cps |
| Arsenic | 75-2 | 7315 | 7385 | 7098 | 7266 | 2.06 | cps |
| Barium | 135-1 | 152476 | 155029 | 153423 | 153643 | 0.84 | cps |
| Barium | 137-1 | 263657 | 268777 | 266183 | 266206 | 0.96 | cps |
| Beryllium | 9-1 | 213 | 167 | 170 | 183 | 14.20 | cps |
| Bismuth | 209-1 | 3596172 | 3557707 | 3557249 | 3570376 | 0.63 | cps |
| Bismuth | 209-2 | 2750077 | 2714051 | 2683749 | 2715959 | 1.22 | cps |
| Bromine | 81-1 | 5551 | 5661 | 5638 | 5617 | 1.03 | cps |
| Bromine | 81-2 | 117 | 183 | 173 | 158 | 22.79 | cps |
| Cadmium | 108-1 | 33 | 30 | 33 | 32 | 5.97 | cps |
| Cadmium | 106-1 | 1117 | 1113 | 1050 | 1093 | 3.44 | cps |
| Cadmium | 111-1 | 1005 | 1005 | 922 | 977 | 4.92 | cps |
| Calcium | 43-1 | 73102 | 73681 | 74110 | 73631 | 0.69 | cps |
| Calcium | 44-1 | 1197534 | 1221618 | 1218133 | 1212428 | 1.07 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 49715 | 48641 | 49357 | 49238 | 1.11 | cps |
| Cobalt | 59-2 | 34760 | 35028 | 35131 | 34973 | 0.55 | cps |
| Copper | 63-2 | 98659 | 97025 | 98002 | 97895 | 0.84 | cps |
| Dysprosium | 156-1 | 7685 | 7662 | 7532 | 7627 | 1.08 | cps |
| Dysprosium | 156-2 | 6872 | 6815 | 6378 | 6688 | 4.04 | cps |
| Erbium | 164-1 | 5745 | 5761 | 5721 | 5742 | 0.35 | cps |
| Erbium | 164-2 | 4104 | 3817 | 3914 | 3945 | 3.70 | cps |
| Gadolinium | 160-1 | 6975 | 7435 | 7065 | 7159 | 3.41 | cps |
| Gadolinium | 160-2 | 5124 | 5231 | 5094 | 5150 | 1.40 | cps |
| Holmium | 165-1 | 5662893 | 5686988 | 5695186 | 5681689 | 0.30 | cps |
| Holmium | 165-2 | 3857760 | 3864146 | 3909078 | 3876995 | 0.72 | cps |
| Indium | 115-1 | 4577250 | 4636085 | 4570331 | 4594555 | 0.79 | cps |
| Indium | 115-2 | 1743513 | 1720054 | 1700651 | 1721406 | 1.25 | cps |
| Iron | 56-2 | 40665264 | 41207674 | 41301441 | 41058126 | 0.84 | cps |
| Iron | 57-2 | 1049694 | 1040426 | 1052525 | 1047548 | 0.60 | cps |
| Iron | 54-2 | 2326281 | 2283699 | 2275941 | 2295307 | 1.18 | cps |
| Krypton | 83-1 | 180 | 143 | 187 | 170 | 13.72 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494L | Dilution Factor : | 5 |
| Date & Time Acquired : | 2024-10-30 15:22:28 | DataFile Name : | 055SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 30441 | 30919 | 30274 | 30544 | 1.10 | cps |
| Lead | 207-1 | 25284 | 26229 | 25928 | 25813 | 1.87 | cps |
| Lead | 208-1 | 117989 | 119761 | 118524 | 118758 | 0.77 | cps |
| Lithium | 6-1 | 504282 | 516874 | 519368 | 513508 | 1.57 | cps |
| Magnesium | 24-2 | 1032507 | 1024499 | 1030304 | 1029103 | 0.40 | cps |
| Manganese | 55-2 | 722287 | 721877 | 720675 | 721613 | 0.12 | cps |
| Molybdenum | 94-1 | 12062 | 12375 | 12219 | 12219 | 1.28 | cps |
| Molybdenum | 95-1 | 713 | 763 | 717 | 731 | 3.82 | cps |
| Molybdenum | 96-1 | 3207 | 3340 | 3147 | 3231 | 3.06 | cps |
| Molybdenum | 97-1 | 433 | 470 | 530 | 478 | 10.21 | cps |
| Molybdenum | 98-1 | 1197 | 1190 | 1160 | 1182 | 1.65 | cps |
| Neodymium | 150-1 | 14841 | 14811 | 14848 | 14833 | 0.13 | cps |
| Neodymium | 150-2 | 8499 | 8823 | 8473 | 8598 | 2.27 | cps |
| Nickel | 60-2 | 19860 | 20127 | 20023 | 20003 | 0.67 | cps |
| Phosphorus | 31-2 | 4181 | 4294 | 4171 | 4215 | 1.63 | cps |
| Potassium | 39-2 | 698466 | 694255 | 689732 | 694151 | 0.63 | cps |
| Rhodium | 103-1 | 4253118 | 4297981 | 4285542 | 4278880 | 0.54 | cps |
| Rhodium | 103-2 | 2942332 | 2883170 | 2866414 | 2897305 | 1.38 | cps |
| Scandium | 45-1 | 2473723 | 2500378 | 2538019 | 2504040 | 1.29 | cps |
| Scandium | 45-2 | 290281 | 287469 | 288076 | 288609 | 0.51 | cps |
| Selenium | 82-1 | 289 | 318 | 279 | 295 | 6.96 | cps |
| Selenium | 77-2 | 20 | 23 | 20 | 21 | 9.11 | cps |
| Selenium | 78-2 | 390 | 377 | 420 | 396 | 5.61 | cps |
| Silicon | 28-1 | 1816898 | 1821205 | 1796580 | 1811561 | 0.73 | cps |
| Silver | 107-1 | 450 | 513 | 367 | 443 | 16.59 | cps |
| Silver | 109-1 | 407 | 450 | 483 | 447 | 8.61 | cps |
| Sodium | 23-2 | 74553 | 74593 | 75135 | 74760 | 0.44 | cps |
| Strontium | 86-1 | 75563 | 75433 | 75690 | 75562 | 0.17 | cps |
| Strontium | 88-1 | 654794 | 668289 | 663142 | 662075 | 1.03 | cps |
| Sulfur | 34-1 | 98615 | 98652 | 97770 | 98346 | 0.51 | cps |
| Terbium | 159-1 | 5843177 | 5783842 | 5739209 | 5788743 | 0.90 | cps |
| Terbium | 159-2 | 3896265 | 3846637 | 3840629 | 3861177 | 0.79 | cps |
| Thallium | 203-1 | 377 | 417 | 410 | 401 | 5.34 | cps |
| Thallium | 205-1 | 947 | 877 | 800 | 874 | 8.39 | cps |
| Tin | 118-1 | 3010 | 3244 | 3207 | 3154 | 3.98 | cps |
| Titanium | 47-1 | 144836 | 145358 | 146276 | 145490 | 0.50 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05LX5 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494L | Dilution Factor : | 5 |
| Date & Time Acquired : | 2024-10-30 15:22:28 | DataFile Name : | 055SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 2977 | 2847 | 2937 | 2920 | 2.28 | cps |
| Vanadium | 51-2 | 81991 | 83013 | 81928 | 82311 | 0.74 | cps |
| Yttrium | 89-1 | 7668656 | 7851467 | 7820330 | 7780151 | 1.26 | cps |
| Yttrium | 89-2 | 2345108 | 2292273 | 2295762 | 2311048 | 1.28 | cps |
| Zinc | 66-2 | 18255 | 18004 | 18919 | 18393 | 2.57 | cps |
| Zirconium | 90-1 | 31704 | 32723 | 32543 | 32323 | 1.68 | cps |
| Zirconium | 91-1 | 6965 | 7222 | 7132 | 7106 | 1.83 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-07 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494S | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:25:43 | DataFile Name : | 056SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 7552856 | 7534948 | 7564009 | 7550604 | 0.19 | cps |
| Antimony | 121-1 | 370444 | 376923 | 375908 | 374425 | 0.93 | cps |
| Arsenic | 75-2 | 49502 | 50124 | 48880 | 49502 | 1.26 | cps |
| Barium | 135-1 | 2780517 | 2830614 | 2859560 | 2823564 | 1.42 | cps |
| Barium | 137-1 | 4812702 | 4834923 | 4855761 | 4834462 | 0.45 | cps |
| Beryllium | 9-1 | 19900 | 20734 | 20240 | 20291 | 2.07 | cps |
| Bismuth | 209-1 | 3493482 | 3561412 | 3536854 | 3530582 | 0.97 | cps |
| Bismuth | 209-2 | 2661293 | 2702334 | 2640980 | 2668202 | 1.17 | cps |
| Bromine | 81-1 | 7058 | 7168 | 7669 | 7299 | 4.46 | cps |
| Bromine | 81-2 | 653 | 603 | 593 | 617 | 5.21 | cps |
| Cadmium | 108-1 | 3030 | 3084 | 3064 | 3059 | 0.88 | cps |
| Cadmium | 106-1 | 5128 | 5231 | 5444 | 5268 | 3.07 | cps |
| Cadmium | 111-1 | 44622 | 45012 | 45142 | 44925 | 0.60 | cps |
| Calcium | 43-1 | 388092 | 394949 | 397600 | 393547 | 1.25 | cps |
| Calcium | 44-1 | 6031849 | 6183219 | 6252475 | 6155848 | 1.83 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 643683 | 644259 | 641303 | 643082 | 0.24 | cps |
| Cobalt | 59-2 | 1608937 | 1605435 | 1629260 | 1614544 | 0.80 | cps |
| Copper | 63-2 | 993151 | 995670 | 990806 | 993209 | 0.24 | cps |
| Dysprosium | 156-1 | 39001 | 40492 | 40592 | 40028 | 2.23 | cps |
| Dysprosium | 156-2 | 35408 | 36210 | 36069 | 35896 | 1.19 | cps |
| Erbium | 164-1 | 30941 | 31920 | 31916 | 31592 | 1.79 | cps |
| Erbium | 164-2 | 21370 | 21851 | 21714 | 21645 | 1.14 | cps |
| Gadolinium | 160-1 | 38155 | 37905 | 38797 | 38286 | 1.20 | cps |
| Gadolinium | 160-2 | 27460 | 27988 | 27931 | 27793 | 1.04 | cps |
| Holmium | 165-1 | 5721855 | 5794427 | 5673263 | 5729848 | 1.06 | cps |
| Holmium | 165-2 | 3921412 | 3914987 | 3855511 | 3897303 | 0.93 | cps |
| Indium | 115-1 | 4623787 | 4538560 | 4604916 | 4589088 | 0.98 | cps |
| Indium | 115-2 | 1724255 | 1732984 | 1721432 | 1726224 | 0.35 | cps |
| Iron | 56-2 | 228607210 | 228978610 | 225631103 | 227738974 | 0.81 | cps |
| Iron | 57-2 | 5651698 | 5614682 | 5689711 | 5652031 | 0.66 | cps |
| Iron | 54-2 | 12708210 | 12519705 | 12570121 | 12599345 | 0.77 | cps |
| Krypton | 83-1 | 160 | 223 | 223 | 202 | 18.08 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-07 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494S | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:25:43 | DataFile Name : | 056SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 208829 | 210674 | 212744 | 210749 | 0.93 | cps |
| Lead | 207-1 | 178898 | 181273 | 180003 | 180058 | 0.66 | cps |
| Lead | 208-1 | 816838 | 826434 | 829454 | 824242 | 0.80 | cps |
| Lithium | 6-1 | 520719 | 521797 | 506240 | 516252 | 1.68 | cps |
| Magnesium | 24-2 | 5577879 | 5500972 | 5446266 | 5508372 | 1.20 | cps |
| Manganese | 55-2 | 4659831 | 4599826 | 4579273 | 4612977 | 0.91 | cps |
| Molybdenum | 94-1 | 66745 | 67565 | 68496 | 67602 | 1.30 | cps |
| Molybdenum | 95-1 | 3367 | 3394 | 3514 | 3425 | 2.28 | cps |
| Molybdenum | 96-1 | 16162 | 16166 | 16259 | 16196 | 0.34 | cps |
| Molybdenum | 97-1 | 2154 | 1993 | 2197 | 2115 | 5.07 | cps |
| Molybdenum | 98-1 | 5241 | 5044 | 5284 | 5190 | 2.47 | cps |
| Neodymium | 150-1 | 79516 | 82446 | 82201 | 81388 | 2.00 | cps |
| Neodymium | 150-2 | 48543 | 48082 | 48192 | 48272 | 0.50 | cps |
| Nickel | 60-2 | 456790 | 454891 | 456563 | 456081 | 0.23 | cps |
| Phosphorus | 31-2 | 22396 | 22543 | 22590 | 22510 | 0.45 | cps |
| Potassium | 39-2 | 3321031 | 3294226 | 3287599 | 3300952 | 0.54 | cps |
| Rhodium | 103-1 | 4270172 | 4310315 | 4322684 | 4301057 | 0.64 | cps |
| Rhodium | 103-2 | 2862747 | 2857958 | 2892942 | 2871216 | 0.66 | cps |
| Scandium | 45-1 | 2665687 | 2644666 | 2691753 | 2667369 | 0.88 | cps |
| Scandium | 45-2 | 307241 | 308706 | 310803 | 308916 | 0.58 | cps |
| Selenium | 82-1 | 5886 | 5904 | 5948 | 5913 | 0.54 | cps |
| Selenium | 77-2 | 773 | 833 | 743 | 783 | 5.85 | cps |
| Selenium | 78-2 | 2674 | 2570 | 2700 | 2648 | 2.59 | cps |
| Silicon | 28-1 | 8771203 | 9013978 | 8926347 | 8903843 | 1.38 | cps |
| Silver | 107-1 | 186829 | 189226 | 190073 | 188710 | 0.89 | cps |
| Silver | 109-1 | 175735 | 178829 | 178673 | 177745 | 0.98 | cps |
| Sodium | 23-2 | 224419 | 223891 | 222184 | 223498 | 0.52 | cps |
| Strontium | 86-1 | 402207 | 408560 | 413376 | 408048 | 1.37 | cps |
| Strontium | 88-1 | 3667971 | 3778904 | 3749212 | 3732029 | 1.54 | cps |
| Sulfur | 34-1 | 104259 | 103557 | 103722 | 103846 | 0.35 | cps |
| Terbium | 159-1 | 5948197 | 5967274 | 5859194 | 5924888 | 0.97 | cps |
| Terbium | 159-2 | 3882858 | 3893298 | 3891552 | 3889236 | 0.14 | cps |
| Thallium | 203-1 | 146171 | 146939 | 148759 | 147290 | 0.90 | cps |
| Thallium | 205-1 | 341355 | 347886 | 347556 | 345599 | 1.06 | cps |
| Tin | 118-1 | 11938 | 11718 | 12249 | 11968 | 2.23 | cps |
| Titanium | 47-1 | 781428 | 793279 | 792755 | 789154 | 0.85 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-07 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494S | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:25:43 | DataFile Name : | 056SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 15753 | 16147 | 16394 | 16098 | 2.01 | cps |
| Vanadium | 51-2 | 1296161 | 1276912 | 1282131 | 1285068 | 0.77 | cps |
| Yttrium | 89-1 | 8259555 | 8226886 | 8240759 | 8242400 | 0.20 | cps |
| Yttrium | 89-2 | 2448756 | 2427286 | 2452766 | 2442936 | 0.56 | cps |
| Zinc | 66-2 | 257963 | 258149 | 256339 | 257484 | 0.39 | cps |
| Zirconium | 90-1 | 174326 | 177750 | 180368 | 177481 | 1.71 | cps |
| Zirconium | 91-1 | 39319 | 40128 | 39252 | 39567 | 1.23 | cps |



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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV037 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV037 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:28:47 | DataFile Name : | 057CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6753289 | 6769644 | 6845782 | 6789572 | 0.73 | cps |
| Antimony | 121-1 | 2812478 | 2868729 | 2888693 | 2856633 | 1.38 | cps |
| Arsenic | 75-2 | 193696 | 194615 | 192126 | 193479 | 0.65 | cps |
| Barium | 135-1 | 3503053 | 3596007 | 3597481 | 3565514 | 1.52 | cps |
| Barium | 137-1 | 6107740 | 6168635 | 6242740 | 6173038 | 1.10 | cps |
| Beryllium | 9-1 | 284866 | 292940 | 293509 | 290438 | 1.66 | cps |
| Bismuth | 209-1 | 3645804 | 3702205 | 3580996 | 3643002 | 1.66 | cps |
| Bismuth | 209-2 | 2609144 | 2625746 | 2653551 | 2629480 | 0.85 | cps |
| Bromine | 81-1 | 5461 | 5704 | 5528 | 5564 | 2.26 | cps |
| Bromine | 81-2 | 60 | 73 | 50 | 61 | 19.15 | cps |
| Cadmium | 108-1 | 47116 | 47788 | 48765 | 47890 | 1.73 | cps |
| Cadmium | 106-1 | 66997 | 68926 | 68521 | 68148 | 1.49 | cps |
| Cadmium | 111-1 | 650042 | 670892 | 667691 | 662875 | 1.69 | cps |
| Calcium | 43-1 | 3300653 | 3392440 | 3344662 | 3345918 | 1.37 | cps |
| Calcium | 44-1 | 52814199 | 54317651 | 54564916 | 53898922 | 1.76 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1367606 | 1341342 | 1361780 | 1356910 | 1.02 | cps |
| Cobalt | 59-2 | 2129373 | 2110938 | 2126609 | 2122307 | 0.47 | cps |
| Copper | 63-2 | 14980423 | 14980144 | 14830821 | 14930463 | 0.58 | cps |
| Dysprosium | 156-1 | 253 | 273 | 257 | 261 | 4.10 | cps |
| Dysprosium | 156-2 | 180 | 303 | 290 | 258 | 26.26 | cps |
| Erbium | 164-1 | 193 | 163 | 160 | 172 | 10.66 | cps |
| Erbium | 164-2 | 133 | 103 | 113 | 117 | 13.09 | cps |
| Gadolinium | 160-1 | 127 | 100 | 133 | 120 | 14.70 | cps |
| Gadolinium | 160-2 | 207 | 230 | 237 | 224 | 7.02 | cps |
| Holmium | 165-1 | 5950630 | 6048556 | 6041293 | 6013493 | 0.91 | cps |
| Holmium | 165-2 | 4032835 | 4061849 | 4023875 | 4039519 | 0.49 | cps |
| Indium | 115-1 | 4626932 | 4742769 | 4715273 | 4694992 | 1.29 | cps |
| Indium | 115-2 | 1746802 | 1711331 | 1742725 | 1733619 | 1.12 | cps |
| Iron | 56-2 | 286907002 | 288968136 | 285593909 | 287156349 | 0.59 | cps |
| Iron | 57-2 | 7089000 | 7091776 | 7148542 | 7109773 | 0.47 | cps |
| Iron | 54-2 | 15873518 | 15857590 | 15880166 | 15870424 | 0.07 | cps |
| Krypton | 83-1 | 200 | 253 | 210 | 221 | 12.82 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV037 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV037 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:28:47 | DataFile Name : | 057CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 9866501 | 10169747 | 10147396 | 10061215 | 1.68 | cps |
| Lead | 207-1 | 8729518 | 9027799 | 8851668 | 8869662 | 1.69 | cps |
| Lead | 208-1 | 39978919 | 40696608 | 40227865 | 40301131 | 0.90 | cps |
| Lithium | 6-1 | 554073 | 553860 | 549507 | 552480 | 0.47 | cps |
| Magnesium | 24-2 | 58962746 | 58540191 | 59570312 | 59024416 | 0.88 | cps |
| Manganese | 55-2 | 9753512 | 9742555 | 9665185 | 9720417 | 0.50 | cps |
| Molybdenum | 94-1 | 10362279 | 10639199 | 10775668 | 10592382 | 1.99 | cps |
| Molybdenum | 95-1 | 15096337 | 15417401 | 15470094 | 15327944 | 1.32 | cps |
| Molybdenum | 96-1 | 16473479 | 16694336 | 16779153 | 16648989 | 0.95 | cps |
| Molybdenum | 97-1 | 9255859 | 9594718 | 9546762 | 9465779 | 1.94 | cps |
| Molybdenum | 98-1 | 24101250 | 24663457 | 24927485 | 24564064 | 1.72 | cps |
| Neodymium | 150-1 | 193 | 190 | 187 | 190 | 1.76 | cps |
| Neodymium | 150-2 | 63 | 57 | 107 | 76 | 35.93 | cps |
| Nickel | 60-2 | 514319 | 517647 | 519426 | 517131 | 0.50 | cps |
| Phosphorus | 31-2 | 81107 | 81868 | 81811 | 81595 | 0.52 | cps |
| Potassium | 39-2 | 38812378 | 38622164 | 38974289 | 38802944 | 0.45 | cps |
| Rhodium | 103-1 | 4294612 | 4384478 | 4301367 | 4326819 | 1.16 | cps |
| Rhodium | 103-2 | 2872766 | 2787848 | 2845202 | 2835272 | 1.53 | cps |
| Scandium | 45-1 | 2592198 | 2652752 | 2631801 | 2625584 | 1.17 | cps |
| Scandium | 45-2 | 302651 | 304240 | 305081 | 303991 | 0.41 | cps |
| Selenium | 82-1 | 41001 | 41581 | 41428 | 41337 | 0.73 | cps |
| Selenium | 77-2 | 4831 | 4587 | 4851 | 4756 | 3.08 | cps |
| Selenium | 78-2 | 16823 | 16059 | 16436 | 16439 | 2.32 | cps |
| Silicon | 28-1 | 17482638 | 18031196 | 17833670 | 17782501 | 1.56 | cps |
| Silver | 107-1 | 3424323 | 3476153 | 3480096 | 3460190 | 0.90 | cps |
| Silver | 109-1 | 3273880 | 3306959 | 3347375 | 3309405 | 1.11 | cps |
| Sodium | 23-2 | 98169615 | 97192225 | 98309335 | 97890392 | 0.62 | cps |
| Strontium | 86-1 | 21406376 | 21789618 | 22100106 | 21765367 | 1.60 | cps |
| Strontium | 88-1 | 190563290 | 192575204 | 192833624 | 191990706 | 0.65 | cps |
| Sulfur | 34-1 | 283148 | 286488 | 288281 | 285972 | 0.91 | cps |
| Terbium | 159-1 | 6140774 | 6239728 | 6235616 | 6205373 | 0.90 | cps |
| Terbium | 159-2 | 3995220 | 3946437 | 4009885 | 3983847 | 0.83 | cps |
| Thallium | 203-1 | 2507155 | 2543413 | 2550909 | 2533826 | 0.92 | cps |
| Thallium | 205-1 | 5978797 | 5951346 | 6034202 | 5988115 | 0.70 | cps |
| Tin | 118-1 | 2182777 | 2233357 | 2256123 | 2224086 | 1.69 | cps |
| Titanium | 47-1 | 3584886 | 3580268 | 3639532 | 3601562 | 0.92 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV037 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV037 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:28:47 | DataFile Name : | 057CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7970642 | 8049383 | 8116385 | 8045470 | 0.91 | cps |
| Vanadium | 51-2 | 1229406 | 1228028 | 1233982 | 1230472 | 0.25 | cps |
| Yttrium | 89-1 | 8125112 | 8254713 | 8208725 | 8196184 | 0.80 | cps |
| Yttrium | 89-2 | 2353911 | 2361638 | 2378201 | 2364583 | 0.52 | cps |
| Zinc | 66-2 | 2516068 | 2516154 | 2495440 | 2509221 | 0.48 | cps |
| Zirconium | 90-1 | 4768089 | 4830525 | 4846242 | 4814952 | 0.86 | cps |
| Zirconium | 91-1 | 1031003 | 1055282 | 1062361 | 1049549 | 1.57 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB037 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB037 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:31:35 | DataFile Name : | 058CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1027 | 967 | 923 | 972 | 5.34 | cps |
| Antimony | 121-1 | 2054 | 1887 | 1793 | 1911 | 6.89 | cps |
| Arsenic | 75-2 | 47 | 27 | 30 | 34 | 31.11 | cps |
| Barium | 135-1 | 450 | 317 | 407 | 391 | 17.39 | cps |
| Barium | 137-1 | 800 | 717 | 580 | 699 | 15.89 | cps |
| Beryllium | 9-1 | 60 | 60 | 37 | 52 | 25.79 | cps |
| Bismuth | 209-1 | 3902104 | 3597437 | 3713215 | 3737585 | 4.11 | cps |
| Bismuth | 209-2 | 2821379 | 2803897 | 2776675 | 2800650 | 0.80 | cps |
| Bromine | 81-1 | 5351 | 5461 | 5424 | 5412 | 1.04 | cps |
| Bromine | 81-2 | 110 | 70 | 93 | 91 | 22.05 | cps |
| Cadmium | 108-1 | 20 | 17 | 7 | 14 | 48.02 | cps |
| Cadmium | 106-1 | 1133 | 1140 | 977 | 1083 | 8.53 | cps |
| Cadmium | 111-1 | 859 | 846 | 756 | 820 | 6.88 | cps |
| Calcium | 43-1 | 487 | 420 | 307 | 404 | 22.50 | cps |
| Calcium | 44-1 | 14771 | 13583 | 13500 | 13951 | 5.10 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 640 | 767 | 673 | 693 | 9.47 | cps |
| Cobalt | 59-2 | 303 | 283 | 307 | 298 | 4.24 | cps |
| Copper | 63-2 | 2374 | 2317 | 2134 | 2275 | 5.52 | cps |
| Dysprosium | 156-1 | 127 | 107 | 110 | 114 | 9.36 | cps |
| Dysprosium | 156-2 | 53 | 37 | 43 | 44 | 18.87 | cps |
| Erbium | 164-1 | 40 | 30 | 53 | 41 | 28.47 | cps |
| Erbium | 164-2 | 27 | 13 | 30 | 23 | 37.81 | cps |
| Gadolinium | 160-1 | 13 | 27 | 37 | 26 | 45.82 | cps |
| Gadolinium | 160-2 | 117 | 173 | 147 | 146 | 19.48 | cps |
| Holmium | 165-1 | 6054771 | 5692002 | 5792159 | 5846311 | 3.20 | cps |
| Holmium | 165-2 | 3999646 | 3972882 | 3984872 | 3985800 | 0.34 | cps |
| Indium | 115-1 | 5031698 | 4849420 | 4778220 | 4886446 | 2.68 | cps |
| Indium | 115-2 | 1810090 | 1800943 | 1786996 | 1799343 | 0.65 | cps |
| Iron | 56-2 | 37787 | 36234 | 36431 | 36817 | 2.30 | cps |
| Iron | 57-2 | 3167 | 3420 | 3444 | 3344 | 4.59 | cps |
| Iron | 54-2 | 2730 | 2817 | 2670 | 2739 | 2.69 | cps |
| Krypton | 83-1 | 183 | 230 | 203 | 206 | 11.39 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB037 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB037 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:31:35 | DataFile Name : | 058CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1373 | 1310 | 1030 | 1238 | 14.76 | cps |
| Lead | 207-1 | 1143 | 897 | 980 | 1007 | 12.46 | cps |
| Lead | 208-1 | 5424 | 4567 | 4237 | 4743 | 12.92 | cps |
| Lithium | 6-1 | 539890 | 510385 | 524738 | 525004 | 2.81 | cps |
| Magnesium | 24-2 | 4754 | 4511 | 4521 | 4595 | 3.00 | cps |
| Manganese | 55-2 | 1217 | 1220 | 1223 | 1220 | 0.27 | cps |
| Molybdenum | 94-1 | 1280 | 1173 | 1253 | 1236 | 4.49 | cps |
| Molybdenum | 95-1 | 1617 | 1460 | 1420 | 1499 | 6.93 | cps |
| Molybdenum | 96-1 | 1927 | 1623 | 1557 | 1702 | 11.59 | cps |
| Molybdenum | 97-1 | 1043 | 887 | 863 | 931 | 10.51 | cps |
| Molybdenum | 98-1 | 2627 | 2287 | 2214 | 2376 | 9.28 | cps |
| Neodymium | 150-1 | 13 | 30 | 7 | 17 | 72.11 | cps |
| Neodymium | 150-2 | 10 | 0 | 10 | 7 | 86.60 | cps |
| Nickel | 60-2 | 153 | 147 | 153 | 151 | 2.55 | cps |
| Phosphorus | 31-2 | 133 | 130 | 150 | 138 | 7.78 | cps |
| Potassium | 39-2 | 85820 | 86873 | 85649 | 86114 | 0.77 | cps |
| Rhodium | 103-1 | 4777556 | 4402146 | 4541611 | 4573771 | 4.15 | cps |
| Rhodium | 103-2 | 3028337 | 3008985 | 2967702 | 3001675 | 1.03 | cps |
| Scandium | 45-1 | 2703441 | 2531811 | 2570714 | 2601989 | 3.46 | cps |
| Scandium | 45-2 | 301498 | 299602 | 300369 | 300490 | 0.32 | cps |
| Selenium | 82-1 | 269 | 200 | 256 | 241 | 15.20 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 357 | 340 | 353 | 350 | 2.52 | cps |
| Silicon | 28-1 | 183842 | 180639 | 179477 | 181319 | 1.25 | cps |
| Silver | 107-1 | 533 | 430 | 420 | 461 | 13.61 | cps |
| Silver | 109-1 | 553 | 453 | 333 | 447 | 24.66 | cps |
| Sodium | 23-2 | 53268 | 52703 | 52158 | 52710 | 1.05 | cps |
| Strontium | 86-1 | 2084 | 1850 | 1720 | 1885 | 9.77 | cps |
| Strontium | 88-1 | 15942 | 12509 | 11765 | 13405 | 16.62 | cps |
| Sulfur | 34-1 | 123850 | 124280 | 123097 | 123742 | 0.48 | cps |
| Terbium | 159-1 | 6172319 | 5911563 | 5958824 | 6014235 | 2.31 | cps |
| Terbium | 159-2 | 3913934 | 4009058 | 3993398 | 3972130 | 1.28 | cps |
| Thallium | 203-1 | 683 | 540 | 523 | 582 | 15.11 | cps |
| Thallium | 205-1 | 1507 | 1200 | 1270 | 1326 | 12.12 | cps |
| Tin | 118-1 | 1377 | 1583 | 1317 | 1426 | 9.81 | cps |
| Titanium | 47-1 | 460 | 470 | 403 | 444 | 8.09 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB037 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB037 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:31:35 | DataFile Name : | 058CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 617 | 483 | 440 | 513 | 17.94 | cps |
| Vanadium | 51-2 | 67 | 127 | 123 | 106 | 31.94 | cps |
| Yttrium | 89-1 | 8360301 | 7767039 | 8044923 | 8057421 | 3.68 | cps |
| Yttrium | 89-2 | 2405556 | 2364833 | 2416103 | 2395497 | 1.13 | cps |
| Zinc | 66-2 | 510 | 463 | 507 | 493 | 5.28 | cps |
| Zirconium | 90-1 | 793 | 680 | 790 | 754 | 8.55 | cps |
| Zirconium | 91-1 | 207 | 143 | 117 | 156 | 29.72 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05MS | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494SRE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:34:52 | DataFile Name : | 059SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 8165353 | 8227873 | 8146628 | 8179951 | 0.52 | cps |
| Antimony | 121-1 | 1677168 | 1688322 | 1685132 | 1683541 | 0.34 | cps |
| Arsenic | 75-2 | 84217 | 82065 | 82025 | 82769 | 1.52 | cps |
| Barium | 135-1 | 8898464 | 9061618 | 9177253 | 9045778 | 1.55 | cps |
| Barium | 137-1 | 15619462 | 15668306 | 15788106 | 15691958 | 0.55 | cps |
| Beryllium | 9-1 | 83211 | 84599 | 85531 | 84447 | 1.38 | cps |
| Bismuth | 209-1 | 3606199 | 3569403 | 3502431 | 3559344 | 1.48 | cps |
| Bismuth | 209-2 | 2689597 | 2658941 | 2646320 | 2664953 | 0.84 | cps |
| Bromine | 81-1 | 7422 | 7469 | 7322 | 7404 | 1.01 | cps |
| Bromine | 81-2 | 687 | 570 | 543 | 600 | 12.71 | cps |
| Cadmium | 108-1 | 12736 | 12242 | 12939 | 12639 | 2.84 | cps |
| Cadmium | 106-1 | 18108 | 18749 | 18956 | 18604 | 2.38 | cps |
| Cadmium | 111-1 | 185433 | 189389 | 191632 | 188818 | 1.66 | cps |
| Calcium | 43-1 | 381654 | 393429 | 393210 | 389431 | 1.73 | cps |
| Calcium | 44-1 | 5957474 | 6201671 | 6146950 | 6102032 | 2.10 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1948766 | 1927100 | 1938527 | 1938131 | 0.56 | cps |
| Cobalt | 59-2 | 6413413 | 6310662 | 6372816 | 6365631 | 0.81 | cps |
| Copper | 63-2 | 2652769 | 2670977 | 2678609 | 2667452 | 0.50 | cps |
| Dysprosium | 156-1 | 39492 | 39429 | 39850 | 39590 | 0.57 | cps |
| Dysprosium | 156-2 | 35498 | 35562 | 34870 | 35310 | 1.08 | cps |
| Erbium | 164-1 | 30540 | 30523 | 31128 | 30730 | 1.12 | cps |
| Erbium | 164-2 | 20726 | 20782 | 20816 | 20774 | 0.22 | cps |
| Gadolinium | 160-1 | 36852 | 37898 | 36995 | 37248 | 1.52 | cps |
| Gadolinium | 160-2 | 27073 | 26959 | 26575 | 26869 | 0.97 | cps |
| Holmium | 165-1 | 5846756 | 5777976 | 5760953 | 5795228 | 0.78 | cps |
| Holmium | 165-2 | 3859114 | 3954143 | 3871562 | 3894939 | 1.33 | cps |
| Indium | 115-1 | 4694593 | 4634737 | 4595471 | 4641601 | 1.08 | cps |
| Indium | 115-2 | 1744278 | 1723409 | 1708045 | 1725244 | 1.05 | cps |
| Iron | 56-2 | 231719823 | 232220537 | 231622250 | 231854203 | 0.14 | cps |
| Iron | 57-2 | 5792618 | 5699448 | 5704616 | 5732227 | 0.91 | cps |
| Iron | 54-2 | 13015026 | 13026040 | 12945274 | 12995447 | 0.34 | cps |
| Krypton | 83-1 | 273 | 247 | 187 | 236 | 18.84 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05MS | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494SRE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:34:52 | DataFile Name : | 059SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 365253 | 363735 | 362975 | 363988 | 0.32 | cps |
| Lead | 207-1 | 313368 | 309093 | 312471 | 311644 | 0.72 | cps |
| Lead | 208-1 | 1436738 | 1434531 | 1437754 | 1436341 | 0.11 | cps |
| Lithium | 6-1 | 513719 | 508847 | 498251 | 506939 | 1.56 | cps |
| Magnesium | 24-2 | 5528677 | 5521936 | 5511019 | 5520544 | 0.16 | cps |
| Manganese | 55-2 | 6880254 | 6848309 | 6929579 | 6886047 | 0.59 | cps |
| Molybdenum | 94-1 | 64816 | 67441 | 67695 | 66651 | 2.39 | cps |
| Molybdenum | 95-1 | 3537 | 3520 | 3550 | 3536 | 0.43 | cps |
| Molybdenum | 96-1 | 16176 | 16289 | 16166 | 16210 | 0.42 | cps |
| Molybdenum | 97-1 | 2254 | 2194 | 2177 | 2208 | 1.83 | cps |
| Molybdenum | 98-1 | 5641 | 5574 | 5701 | 5639 | 1.12 | cps |
| Neodymium | 150-1 | 79586 | 79723 | 79060 | 79456 | 0.44 | cps |
| Neodymium | 150-2 | 46687 | 47771 | 47021 | 47160 | 1.18 | cps |
| Nickel | 60-2 | 1730051 | 1714931 | 1705209 | 1716730 | 0.73 | cps |
| Phosphorus | 31-2 | 22497 | 22597 | 22316 | 22470 | 0.63 | cps |
| Potassium | 39-2 | 3350401 | 3340129 | 3300705 | 3330412 | 0.79 | cps |
| Rhodium | 103-1 | 4367898 | 4397988 | 4245504 | 4337130 | 1.86 | cps |
| Rhodium | 103-2 | 2901259 | 2865695 | 2844185 | 2870379 | 1.00 | cps |
| Scandium | 45-1 | 2726494 | 2765495 | 2721785 | 2737925 | 0.88 | cps |
| Scandium | 45-2 | 319558 | 319493 | 317174 | 318742 | 0.43 | cps |
| Selenium | 82-1 | 26320 | 26837 | 27083 | 26747 | 1.46 | cps |
| Selenium | 77-2 | 3240 | 3207 | 3284 | 3244 | 1.19 | cps |
| Selenium | 78-2 | 10804 | 10631 | 11007 | 10814 | 1.74 | cps |
| Silicon | 28-1 | 8597660 | 8750578 | 8840022 | 8729420 | 1.40 | cps |
| Silver | 107-1 | 578974 | 577752 | 608259 | 588329 | 2.94 | cps |
| Silver | 109-1 | 574755 | 592999 | 611182 | 592979 | 3.07 | cps |
| Sodium | 23-2 | 229820 | 230700 | 231367 | 230629 | 0.34 | cps |
| Strontium | 86-1 | 395949 | 399743 | 408196 | 401296 | 1.56 | cps |
| Strontium | 88-1 | 3612865 | 3711335 | 3677147 | 3667116 | 1.36 | cps |
| Sulfur | 34-1 | 117558 | 115129 | 111291 | 114659 | 2.76 | cps |
| Terbium | 159-1 | 5959857 | 6027154 | 5897705 | 5961572 | 1.09 | cps |
| Terbium | 159-2 | 3935659 | 3892660 | 3828874 | 3885731 | 1.38 | cps |
| Thallium | 203-1 | 631187 | 636430 | 633776 | 633797 | 0.41 | cps |
| Thallium | 205-1 | 1503059 | 1500242 | 1495709 | 1499670 | 0.25 | cps |
| Tin | 118-1 | 11421 | 11752 | 11635 | 11603 | 1.44 | cps |
| Titanium | 47-1 | 762616 | 786187 | 785174 | 777992 | 1.71 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05MS | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494SRE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:34:52 | DataFile Name : | 059SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 15476 | 15653 | 15886 | 15672 | 1.31 | cps |
| Vanadium | 51-2 | 4145754 | 4133842 | 4128963 | 4136186 | 0.21 | cps |
| Yttrium | 89-1 | 8273330 | 8370947 | 8283421 | 8309233 | 0.65 | cps |
| Yttrium | 89-2 | 2482583 | 2481637 | 2444941 | 2469720 | 0.87 | cps |
| Zinc | 66-2 | 802976 | 800762 | 799663 | 801134 | 0.21 | cps |
| Zirconium | 90-1 | 172407 | 176466 | 174831 | 174568 | 1.17 | cps |
| Zirconium | 91-1 | 38557 | 39370 | 39787 | 39238 | 1.59 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-01 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE450 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:37:53 | DataFile Name : | 060SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5787936 | 5685079 | 5678543 | 5717186 | 1.07 | cps |
| Antimony | 121-1 | 14427 | 14607 | 14754 | 14596 | 1.12 | cps |
| Arsenic | 75-2 | 39736 | 39101 | 39840 | 39559 | 1.01 | cps |
| Barium | 135-1 | 557896 | 574919 | 571420 | 568078 | 1.58 | cps |
| Barium | 137-1 | 965520 | 986442 | 986295 | 979419 | 1.23 | cps |
| Beryllium | 9-1 | 773 | 643 | 770 | 729 | 10.17 | cps |
| Bismuth | 209-1 | 3630383 | 3157930 | 3514252 | 3434188 | 7.17 | cps |
| Bismuth | 209-2 | 2703042 | 2692636 | 2686850 | 2694176 | 0.30 | cps |
| Bromine | 81-1 | 6558 | 6758 | 7015 | 6777 | 3.38 | cps |
| Bromine | 81-2 | 493 | 500 | 457 | 483 | 4.83 | cps |
| Cadmium | 108-1 | 253 | 260 | 277 | 263 | 4.56 | cps |
| Cadmium | 106-1 | 1550 | 1347 | 1590 | 1496 | 8.73 | cps |
| Cadmium | 111-1 | 3535 | 3528 | 3676 | 3580 | 2.34 | cps |
| Calcium | 43-1 | 408984 | 422386 | 420372 | 417248 | 1.73 | cps |
| Calcium | 44-1 | 6446274 | 6658741 | 6590958 | 6565325 | 1.65 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 277527 | 278641 | 273986 | 276718 | 0.88 | cps |
| Cobalt | 59-2 | 189838 | 189119 | 186664 | 188540 | 0.88 | cps |
| Copper | 63-2 | 933987 | 940663 | 937736 | 937462 | 0.36 | cps |
| Dysprosium | 156-1 | 37410 | 38920 | 37811 | 38047 | 2.06 | cps |
| Dysprosium | 156-2 | 32488 | 33363 | 33423 | 33091 | 1.58 | cps |
| Erbium | 164-1 | 28823 | 30103 | 30580 | 29835 | 3.05 | cps |
| Erbium | 164-2 | 20558 | 20438 | 20358 | 20452 | 0.49 | cps |
| Gadolinium | 160-1 | 34960 | 36417 | 35826 | 35734 | 2.05 | cps |
| Gadolinium | 160-2 | 25951 | 25373 | 25734 | 25686 | 1.14 | cps |
| Holmium | 165-1 | 5853809 | 5022929 | 5780664 | 5552467 | 8.29 | cps |
| Holmium | 165-2 | 3921736 | 3890034 | 3808387 | 3873386 | 1.51 | cps |
| Indium | 115-1 | 4677409 | 4164010 | 4613876 | 4485098 | 6.24 | cps |
| Indium | 115-2 | 1756854 | 1764512 | 1737779 | 1753049 | 0.79 | cps |
| Iron | 56-2 | 204182330 | 205029577 | 202431477 | 203881128 | 0.65 | cps |
| Iron | 57-2 | 5057368 | 5058487 | 5047140 | 5054332 | 0.12 | cps |
| Iron | 54-2 | 11274582 | 11264755 | 11194882 | 11244740 | 0.39 | cps |
| Krypton | 83-1 | 193 | 217 | 213 | 208 | 6.07 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-01 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE450 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:37:53 | DataFile Name : | 060SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 271888 | 273387 | 271218 | 272164 | 0.41 | cps |
| Lead | 207-1 | 231115 | 236822 | 234661 | 234199 | 1.23 | cps |
| Lead | 208-1 | 1061157 | 1081253 | 1070485 | 1070965 | 0.94 | cps |
| Lithium | 6-1 | 512220 | 453469 | 501491 | 489060 | 6.40 | cps |
| Magnesium | 24-2 | 4593745 | 4615568 | 4690939 | 4633417 | 1.10 | cps |
| Manganese | 55-2 | 4419210 | 4416996 | 4389262 | 4408489 | 0.38 | cps |
| Molybdenum | 94-1 | 46881 | 48737 | 48741 | 48120 | 2.23 | cps |
| Molybdenum | 95-1 | 7015 | 6772 | 6782 | 6856 | 2.01 | cps |
| Molybdenum | 96-1 | 15602 | 16079 | 16222 | 15968 | 2.03 | cps |
| Molybdenum | 97-1 | 4054 | 4344 | 4134 | 4177 | 3.59 | cps |
| Molybdenum | 98-1 | 10624 | 11388 | 11054 | 11022 | 3.47 | cps |
| Neodymium | 150-1 | 71426 | 72706 | 73524 | 72552 | 1.46 | cps |
| Neodymium | 150-2 | 43624 | 41989 | 42223 | 42612 | 2.07 | cps |
| Nickel | 60-2 | 83688 | 81664 | 82646 | 82666 | 1.22 | cps |
| Phosphorus | 31-2 | 27658 | 26900 | 27248 | 27269 | 1.39 | cps |
| Potassium | 39-2 | 4437004 | 4419444 | 4409051 | 4421833 | 0.32 | cps |
| Rhodium | 103-1 | 4287822 | 3770473 | 4323386 | 4127227 | 7.50 | cps |
| Rhodium | 103-2 | 2898750 | 2907399 | 2851835 | 2885995 | 1.04 | cps |
| Scandium | 45-1 | 2706510 | 2379787 | 2640322 | 2575540 | 6.71 | cps |
| Scandium | 45-2 | 314534 | 313693 | 314172 | 314133 | 0.13 | cps |
| Selenium | 82-1 | 447 | 404 | 429 | 427 | 5.06 | cps |
| Selenium | 77-2 | 157 | 107 | 130 | 131 | 19.08 | cps |
| Selenium | 78-2 | 457 | 493 | 550 | 500 | 9.40 | cps |
| Silicon | 28-1 | 10626310 | 11064040 | 11101689 | 10930680 | 2.42 | cps |
| Silver | 107-1 | 5214 | 4971 | 5148 | 5111 | 2.46 | cps |
| Silver | 109-1 | 4851 | 4667 | 4467 | 4662 | 4.11 | cps |
| Sodium | 23-2 | 180212 | 177534 | 178306 | 178684 | 0.77 | cps |
| Strontium | 86-1 | 251156 | 259260 | 255958 | 255458 | 1.60 | cps |
| Strontium | 88-1 | 2314086 | 2349221 | 2391125 | 2351477 | 1.64 | cps |
| Sulfur | 34-1 | 110415 | 108944 | 109479 | 109613 | 0.68 | cps |
| Terbium | 159-1 | 6088198 | 5171036 | 5852077 | 5703770 | 8.35 | cps |
| Terbium | 159-2 | 3925050 | 3863912 | 3895289 | 3894750 | 0.78 | cps |
| Thallium | 203-1 | 1817 | 1930 | 1860 | 1869 | 3.06 | cps |
| Thallium | 205-1 | 4501 | 4381 | 4187 | 4356 | 3.63 | cps |
| Tin | 118-1 | 8813 | 9373 | 9457 | 9214 | 3.80 | cps |
| Titanium | 47-1 | 817371 | 835798 | 844168 | 832446 | 1.65 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-01 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE450 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:37:53 | DataFile Name : | 060SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 23083 | 23831 | 24299 | 23738 | 2.58 | cps |
| Vanadium | 51-2 | 407195 | 407861 | 408221 | 407759 | 0.13 | cps |
| Yttrium | 89-1 | 8404480 | 7358511 | 8324812 | 8029267 | 7.25 | cps |
| Yttrium | 89-2 | 2513328 | 2453304 | 2454592 | 2473742 | 1.39 | cps |
| Zinc | 66-2 | 141359 | 141147 | 140185 | 140897 | 0.44 | cps |
| Zirconium | 90-1 | 114513 | 120654 | 120419 | 118529 | 2.94 | cps |
| Zirconium | 91-1 | 25873 | 27135 | 26601 | 26536 | 2.39 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-02 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE451 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:41:00 | DataFile Name : | 061SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5432316 | 5520982 | 5477595 | 5476964 | 0.81 | cps |
| Antimony | 121-1 | 12279 | 12612 | 12833 | 12574 | 2.22 | cps |
| Arsenic | 75-2 | 33655 | 33347 | 33057 | 33353 | 0.90 | cps |
| Barium | 135-1 | 528836 | 532089 | 534407 | 531777 | 0.53 | cps |
| Barium | 137-1 | 910675 | 925989 | 930154 | 922273 | 1.11 | cps |
| Beryllium | 9-1 | 787 | 760 | 827 | 791 | 4.24 | cps |
| Bismuth | 209-1 | 3573545 | 3573171 | 3538519 | 3561745 | 0.56 | cps |
| Bismuth | 209-2 | 2677505 | 2672344 | 2675237 | 2675029 | 0.10 | cps |
| Bromine | 81-1 | 6602 | 6735 | 6802 | 6713 | 1.52 | cps |
| Bromine | 81-2 | 507 | 460 | 567 | 511 | 10.46 | cps |
| Cadmium | 108-1 | 210 | 247 | 207 | 221 | 10.04 | cps |
| Cadmium | 106-1 | 1500 | 1490 | 1433 | 1475 | 2.44 | cps |
| Cadmium | 111-1 | 3197 | 3191 | 3376 | 3254 | 3.23 | cps |
| Calcium | 43-1 | 156859 | 159680 | 156434 | 157658 | 1.12 | cps |
| Calcium | 44-1 | 2494063 | 2518864 | 2469222 | 2494050 | 1.00 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 259335 | 260107 | 262047 | 260496 | 0.54 | cps |
| Cobalt | 59-2 | 177342 | 175413 | 173700 | 175485 | 1.04 | cps |
| Copper | 63-2 | 793442 | 794319 | 795586 | 794449 | 0.14 | cps |
| Dysprosium | 156-1 | 37152 | 38188 | 37754 | 37698 | 1.38 | cps |
| Dysprosium | 156-2 | 31966 | 33072 | 32184 | 32407 | 1.81 | cps |
| Erbium | 164-1 | 29661 | 30507 | 29792 | 29987 | 1.52 | cps |
| Erbium | 164-2 | 19631 | 20502 | 19470 | 19868 | 2.79 | cps |
| Gadolinium | 160-1 | 35278 | 36514 | 36056 | 35949 | 1.74 | cps |
| Gadolinium | 160-2 | 25493 | 25587 | 26034 | 25705 | 1.13 | cps |
| Holmium | 165-1 | 5756778 | 5764899 | 5758360 | 5760012 | 0.07 | cps |
| Holmium | 165-2 | 3876690 | 3894838 | 3849068 | 3873532 | 0.60 | cps |
| Indium | 115-1 | 4651552 | 4627538 | 4578249 | 4619113 | 0.81 | cps |
| Indium | 115-2 | 1744308 | 1734286 | 1722119 | 1733571 | 0.64 | cps |
| Iron | 56-2 | 204981317 | 203821670 | 203339044 | 204047344 | 0.41 | cps |
| Iron | 57-2 | 5011765 | 5058196 | 5027160 | 5032373 | 0.47 | cps |
| Iron | 54-2 | 11239942 | 11316631 | 11263629 | 11273401 | 0.35 | cps |
| Krypton | 83-1 | 247 | 220 | 207 | 224 | 9.07 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-02 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE451 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:41:00 | DataFile Name : | 061SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 251125 | 253966 | 252081 | 252391 | 0.57 | cps |
| Lead | 207-1 | 218344 | 219729 | 221488 | 219854 | 0.72 | cps |
| Lead | 208-1 | 992989 | 1000304 | 1003063 | 998785 | 0.52 | cps |
| Lithium | 6-1 | 514041 | 507771 | 505278 | 509030 | 0.89 | cps |
| Magnesium | 24-2 | 4182209 | 4259779 | 4322320 | 4254769 | 1.65 | cps |
| Manganese | 55-2 | 4069445 | 4159831 | 4091794 | 4107023 | 1.15 | cps |
| Molybdenum | 94-1 | 44367 | 45444 | 44658 | 44823 | 1.24 | cps |
| Molybdenum | 95-1 | 6748 | 6915 | 7075 | 6913 | 2.36 | cps |
| Molybdenum | 96-1 | 15612 | 16209 | 15849 | 15890 | 1.89 | cps |
| Molybdenum | 97-1 | 4181 | 4124 | 4401 | 4235 | 3.45 | cps |
| Molybdenum | 98-1 | 10764 | 11024 | 10854 | 10881 | 1.21 | cps |
| Neodymium | 150-1 | 71399 | 72716 | 71423 | 71846 | 1.05 | cps |
| Neodymium | 150-2 | 42403 | 42835 | 42400 | 42546 | 0.59 | cps |
| Nickel | 60-2 | 79704 | 81021 | 80538 | 80421 | 0.83 | cps |
| Phosphorus | 31-2 | 27084 | 27174 | 27198 | 27152 | 0.22 | cps |
| Potassium | 39-2 | 4301926 | 4263486 | 4282031 | 4282481 | 0.45 | cps |
| Rhodium | 103-1 | 4340949 | 4385601 | 4368775 | 4365108 | 0.52 | cps |
| Rhodium | 103-2 | 2870064 | 2945227 | 2889047 | 2901446 | 1.35 | cps |
| Scandium | 45-1 | 2693813 | 2611579 | 2670564 | 2658652 | 1.59 | cps |
| Scandium | 45-2 | 309523 | 311298 | 313678 | 311500 | 0.67 | cps |
| Selenium | 82-1 | 361 | 397 | 397 | 385 | 5.46 | cps |
| Selenium | 77-2 | 137 | 110 | 107 | 118 | 13.96 | cps |
| Selenium | 78-2 | 543 | 503 | 477 | 508 | 6.61 | cps |
| Silicon | 28-1 | 12125360 | 12641322 | 12556197 | 12440960 | 2.22 | cps |
| Silver | 107-1 | 3607 | 3871 | 3777 | 3752 | 3.56 | cps |
| Silver | 109-1 | 3467 | 3534 | 3650 | 3550 | 2.61 | cps |
| Sodium | 23-2 | 146836 | 147182 | 147189 | 147069 | 0.14 | cps |
| Strontium | 86-1 | 173524 | 175288 | 175582 | 174798 | 0.64 | cps |
| Strontium | 88-1 | 1555783 | 1613163 | 1601428 | 1590125 | 1.91 | cps |
| Sulfur | 34-1 | 107431 | 103873 | 102028 | 104444 | 2.63 | cps |
| Terbium | 159-1 | 5992642 | 6023474 | 5993693 | 6003270 | 0.29 | cps |
| Terbium | 159-2 | 3918497 | 3855613 | 3899495 | 3891201 | 0.83 | cps |
| Thallium | 203-1 | 1827 | 1840 | 1837 | 1835 | 0.38 | cps |
| Thallium | 205-1 | 4317 | 4461 | 4628 | 4469 | 3.47 | cps |
| Tin | 118-1 | 9690 | 9997 | 10117 | 9935 | 2.22 | cps |
| Titanium | 47-1 | 743885 | 754975 | 754842 | 751234 | 0.85 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-02 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE451 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:41:00 | DataFile Name : | 061SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 19534 | 19948 | 20633 | 20039 | 2.77 | cps |
| Vanadium | 51-2 | 393724 | 394866 | 396606 | 395065 | 0.37 | cps |
| Yttrium | 89-1 | 8384852 | 8425803 | 8348597 | 8386417 | 0.46 | cps |
| Yttrium | 89-2 | 2481947 | 2469101 | 2462645 | 2471231 | 0.40 | cps |
| Zinc | 66-2 | 139844 | 142697 | 140571 | 141037 | 1.05 | cps |
| Zirconium | 90-1 | 108867 | 114095 | 110640 | 111201 | 2.39 | cps |
| Zirconium | 91-1 | 24604 | 24494 | 24624 | 24574 | 0.29 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-03 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE452 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:44:12 | DataFile Name : | 062SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6206621 | 6243485 | 6243158 | 6231088 | 0.34 | cps |
| Antimony | 121-1 | 11164 | 11108 | 10951 | 11074 | 1.00 | cps |
| Arsenic | 75-2 | 42073 | 41652 | 42848 | 42191 | 1.44 | cps |
| Barium | 135-1 | 688932 | 697917 | 697186 | 694678 | 0.72 | cps |
| Barium | 137-1 | 1189139 | 1203140 | 1200363 | 1197547 | 0.62 | cps |
| Beryllium | 9-1 | 997 | 847 | 823 | 889 | 10.58 | cps |
| Bismuth | 209-1 | 3572879 | 3567218 | 3290294 | 3476797 | 4.65 | cps |
| Bismuth | 209-2 | 2692657 | 2713219 | 2674758 | 2693545 | 0.71 | cps |
| Bromine | 81-1 | 6982 | 7219 | 7239 | 7146 | 2.00 | cps |
| Bromine | 81-2 | 607 | 557 | 540 | 568 | 6.11 | cps |
| Cadmium | 108-1 | 307 | 203 | 183 | 231 | 28.64 | cps |
| Cadmium | 106-1 | 1630 | 1477 | 1453 | 1520 | 6.31 | cps |
| Cadmium | 111-1 | 3180 | 3278 | 3166 | 3208 | 1.91 | cps |
| Calcium | 43-1 | 307553 | 309713 | 312620 | 309962 | 0.82 | cps |
| Calcium | 44-1 | 4777226 | 4966216 | 4968121 | 4903854 | 2.24 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 263564 | 265420 | 265160 | 264715 | 0.38 | cps |
| Cobalt | 59-2 | 184005 | 185378 | 186161 | 185181 | 0.59 | cps |
| Copper | 63-2 | 856707 | 867485 | 867655 | 863949 | 0.73 | cps |
| Dysprosium | 156-1 | 38299 | 39081 | 38991 | 38790 | 1.10 | cps |
| Dysprosium | 156-2 | 33026 | 33630 | 33583 | 33413 | 1.01 | cps |
| Erbium | 164-1 | 30994 | 31773 | 30824 | 31197 | 1.62 | cps |
| Erbium | 164-2 | 20879 | 21109 | 20796 | 20928 | 0.78 | cps |
| Gadolinium | 160-1 | 36728 | 36892 | 37116 | 36912 | 0.53 | cps |
| Gadolinium | 160-2 | 26044 | 25603 | 26181 | 25943 | 1.16 | cps |
| Holmium | 165-1 | 5851674 | 5845745 | 5438007 | 5711809 | 4.15 | cps |
| Holmium | 165-2 | 3951226 | 3967525 | 3884429 | 3934393 | 1.12 | cps |
| Indium | 115-1 | 4728910 | 4754082 | 4386470 | 4623154 | 4.44 | cps |
| Indium | 115-2 | 1798743 | 1772215 | 1736646 | 1769202 | 1.76 | cps |
| Iron | 56-2 | 202869270 | 203115697 | 203300044 | 203095004 | 0.11 | cps |
| Iron | 57-2 | 5031269 | 5063655 | 5053550 | 5049491 | 0.33 | cps |
| Iron | 54-2 | 11173127 | 11154111 | 11181966 | 11169734 | 0.13 | cps |
| Krypton | 83-1 | 190 | 217 | 160 | 189 | 15.01 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-03 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE452 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:44:12 | DataFile Name : | 062SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 263102 | 266809 | 263856 | 264589 | 0.74 | cps |
| Lead | 207-1 | 225130 | 229202 | 229556 | 227963 | 1.08 | cps |
| Lead | 208-1 | 1032330 | 1039735 | 1032811 | 1034958 | 0.40 | cps |
| Lithium | 6-1 | 518280 | 516584 | 487974 | 507613 | 3.35 | cps |
| Magnesium | 24-2 | 4967426 | 4977720 | 5021053 | 4988733 | 0.57 | cps |
| Manganese | 55-2 | 5502244 | 5406240 | 5479245 | 5462576 | 0.92 | cps |
| Molybdenum | 94-1 | 47179 | 47056 | 47911 | 47382 | 0.98 | cps |
| Molybdenum | 95-1 | 5268 | 5391 | 5484 | 5381 | 2.02 | cps |
| Molybdenum | 96-1 | 14781 | 14824 | 15452 | 15019 | 2.50 | cps |
| Molybdenum | 97-1 | 3324 | 3514 | 3540 | 3459 | 3.42 | cps |
| Molybdenum | 98-1 | 8266 | 8826 | 8299 | 8464 | 3.71 | cps |
| Neodymium | 150-1 | 71436 | 72606 | 73065 | 72369 | 1.16 | cps |
| Neodymium | 150-2 | 42394 | 43022 | 42989 | 42801 | 0.83 | cps |
| Nickel | 60-2 | 89535 | 88439 | 89317 | 89097 | 0.65 | cps |
| Phosphorus | 31-2 | 18865 | 19119 | 18915 | 18966 | 0.71 | cps |
| Potassium | 39-2 | 3663774 | 3587894 | 3630072 | 3627247 | 1.05 | cps |
| Rhodium | 103-1 | 4397075 | 4319947 | 4074703 | 4263909 | 3.95 | cps |
| Rhodium | 103-2 | 2955227 | 2931383 | 2877608 | 2921406 | 1.36 | cps |
| Scandium | 45-1 | 2699923 | 2708500 | 2520670 | 2643031 | 4.01 | cps |
| Scandium | 45-2 | 315488 | 315142 | 312141 | 314257 | 0.59 | cps |
| Selenium | 82-1 | 404 | 381 | 446 | 410 | 8.07 | cps |
| Selenium | 77-2 | 140 | 137 | 170 | 149 | 12.33 | cps |
| Selenium | 78-2 | 480 | 433 | 493 | 469 | 6.72 | cps |
| Silicon | 28-1 | 10868539 | 11011019 | 11129673 | 11003077 | 1.19 | cps |
| Silver | 107-1 | 4507 | 4694 | 4457 | 4553 | 2.74 | cps |
| Silver | 109-1 | 4404 | 4501 | 4477 | 4461 | 1.13 | cps |
| Sodium | 23-2 | 200692 | 199975 | 202345 | 201004 | 0.60 | cps |
| Strontium | 86-1 | 195787 | 198289 | 199490 | 197855 | 0.95 | cps |
| Strontium | 88-1 | 1781727 | 1852240 | 1817740 | 1817236 | 1.94 | cps |
| Sulfur | 34-1 | 101611 | 101628 | 101316 | 101518 | 0.17 | cps |
| Terbium | 159-1 | 6048391 | 5932124 | 5582777 | 5854431 | 4.14 | cps |
| Terbium | 159-2 | 3993567 | 3922233 | 3959694 | 3958498 | 0.90 | cps |
| Thallium | 203-1 | 1917 | 1880 | 1940 | 1912 | 1.58 | cps |
| Thallium | 205-1 | 4301 | 4404 | 4551 | 4419 | 2.84 | cps |
| Tin | 118-1 | 9050 | 9043 | 9200 | 9097 | 0.97 | cps |
| Titanium | 47-1 | 710328 | 723751 | 733348 | 722476 | 1.60 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-03 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE452 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:44:12 | DataFile Name : | 062SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 16303 | 16213 | 16013 | 16177 | 0.92 | cps |
| Vanadium | 51-2 | 388469 | 389769 | 387557 | 388598 | 0.29 | cps |
| Yttrium | 89-1 | 8473698 | 8334104 | 7927124 | 8244975 | 3.44 | cps |
| Yttrium | 89-2 | 2532124 | 2498868 | 2438209 | 2489734 | 1.91 | cps |
| Zinc | 66-2 | 124595 | 126453 | 125687 | 125578 | 0.74 | cps |
| Zirconium | 90-1 | 120684 | 123763 | 123348 | 122598 | 1.36 | cps |
| Zirconium | 91-1 | 26881 | 27456 | 27412 | 27250 | 1.17 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-07 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE454 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:47:21 | DataFile Name : | 063SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5122451 | 5105810 | 5090054 | 5106105 | 0.32 | cps |
| Antimony | 121-1 | 11338 | 11431 | 10991 | 11253 | 2.06 | cps |
| Arsenic | 75-2 | 27152 | 27592 | 26110 | 26951 | 2.82 | cps |
| Barium | 135-1 | 468986 | 476071 | 484695 | 476584 | 1.65 | cps |
| Barium | 137-1 | 820100 | 825858 | 826134 | 824031 | 0.41 | cps |
| Beryllium | 9-1 | 630 | 593 | 717 | 647 | 9.79 | cps |
| Bismuth | 209-1 | 3573108 | 3617646 | 3576084 | 3588946 | 0.69 | cps |
| Bismuth | 209-2 | 2681761 | 2668812 | 2710747 | 2687107 | 0.80 | cps |
| Bromine | 81-1 | 7439 | 7635 | 7749 | 7608 | 2.06 | cps |
| Bromine | 81-2 | 633 | 710 | 703 | 682 | 6.23 | cps |
| Cadmium | 108-1 | 203 | 190 | 260 | 218 | 17.07 | cps |
| Cadmium | 106-1 | 1547 | 1333 | 1350 | 1410 | 8.42 | cps |
| Cadmium | 111-1 | 2774 | 2617 | 2653 | 2681 | 3.06 | cps |
| Calcium | 43-1 | 188807 | 192688 | 194052 | 191849 | 1.42 | cps |
| Calcium | 44-1 | 2955091 | 3066505 | 3083539 | 3035045 | 2.30 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 238229 | 237899 | 234865 | 236998 | 0.78 | cps |
| Cobalt | 59-2 | 159922 | 159736 | 160145 | 159934 | 0.13 | cps |
| Copper | 63-2 | 664644 | 661629 | 658656 | 661643 | 0.45 | cps |
| Dysprosium | 156-1 | 33370 | 33938 | 33811 | 33706 | 0.88 | cps |
| Dysprosium | 156-2 | 28836 | 29541 | 29053 | 29144 | 1.24 | cps |
| Erbium | 164-1 | 27100 | 27484 | 27931 | 27505 | 1.51 | cps |
| Erbium | 164-2 | 18870 | 18512 | 18529 | 18637 | 1.08 | cps |
| Gadolinium | 160-1 | 32484 | 32909 | 32949 | 32781 | 0.79 | cps |
| Gadolinium | 160-2 | 23730 | 22989 | 23340 | 23353 | 1.59 | cps |
| Holmium | 165-1 | 5701648 | 5682089 | 5825557 | 5736432 | 1.36 | cps |
| Holmium | 165-2 | 3843406 | 3878691 | 3842453 | 3854850 | 0.54 | cps |
| Indium | 115-1 | 4627454 | 4603912 | 4643239 | 4624869 | 0.43 | cps |
| Indium | 115-2 | 1753820 | 1706889 | 1734658 | 1731789 | 1.36 | cps |
| Iron | 56-2 | 180781184 | 181656631 | 180323577 | 180920464 | 0.37 | cps |
| Iron | 57-2 | 4484658 | 4527517 | 4491160 | 4501112 | 0.51 | cps |
| Iron | 54-2 | 10077441 | 9991989 | 9977355 | 10015595 | 0.54 | cps |
| Krypton | 83-1 | 233 | 220 | 243 | 232 | 5.04 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-07 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE454 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:47:21 | DataFile Name : | 063SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 188506 | 192198 | 194597 | 191767 | 1.60 | cps |
| Lead | 207-1 | 166369 | 165678 | 166426 | 166158 | 0.25 | cps |
| Lead | 208-1 | 746844 | 751569 | 754418 | 750944 | 0.51 | cps |
| Lithium | 6-1 | 506740 | 521370 | 521090 | 516400 | 1.62 | cps |
| Magnesium | 24-2 | 3941937 | 3870430 | 3925749 | 3912705 | 0.96 | cps |
| Manganese | 55-2 | 3716229 | 3746626 | 3714047 | 3725634 | 0.49 | cps |
| Molybdenum | 94-1 | 33117 | 33799 | 32867 | 33261 | 1.45 | cps |
| Molybdenum | 95-1 | 6542 | 6708 | 6425 | 6558 | 2.17 | cps |
| Molybdenum | 96-1 | 13593 | 13096 | 13693 | 13461 | 2.38 | cps |
| Molybdenum | 97-1 | 3921 | 4277 | 4117 | 4105 | 4.35 | cps |
| Molybdenum | 98-1 | 10210 | 9970 | 10287 | 10156 | 1.63 | cps |
| Neodymium | 150-1 | 63000 | 64748 | 63978 | 63908 | 1.37 | cps |
| Neodymium | 150-2 | 36871 | 37794 | 37463 | 37376 | 1.25 | cps |
| Nickel | 60-2 | 68780 | 69704 | 69219 | 69235 | 0.67 | cps |
| Phosphorus | 31-2 | 25622 | 25702 | 25648 | 25657 | 0.16 | cps |
| Potassium | 39-2 | 4237910 | 4288172 | 4269101 | 4265061 | 0.59 | cps |
| Rhodium | 103-1 | 4360038 | 4329790 | 4341440 | 4343756 | 0.35 | cps |
| Rhodium | 103-2 | 2915400 | 2836465 | 2893855 | 2881907 | 1.42 | cps |
| Scandium | 45-1 | 2625369 | 2680668 | 2683723 | 2663253 | 1.23 | cps |
| Scandium | 45-2 | 305863 | 305261 | 304772 | 305298 | 0.18 | cps |
| Selenium | 82-1 | 348 | 396 | 334 | 360 | 9.00 | cps |
| Selenium | 77-2 | 170 | 120 | 127 | 139 | 19.55 | cps |
| Selenium | 78-2 | 437 | 487 | 437 | 453 | 6.37 | cps |
| Silicon | 28-1 | 8781828 | 9017098 | 9097103 | 8965343 | 1.83 | cps |
| Silver | 107-1 | 3620 | 3530 | 3497 | 3549 | 1.80 | cps |
| Silver | 109-1 | 3244 | 3190 | 3477 | 3304 | 4.62 | cps |
| Sodium | 23-2 | 177174 | 176192 | 175141 | 176169 | 0.58 | cps |
| Strontium | 86-1 | 164667 | 166579 | 168405 | 166550 | 1.12 | cps |
| Strontium | 88-1 | 1471688 | 1495061 | 1515555 | 1494101 | 1.47 | cps |
| Sulfur | 34-1 | 107401 | 105783 | 106111 | 106432 | 0.80 | cps |
| Terbium | 159-1 | 6084799 | 5885594 | 5866066 | 5945487 | 2.04 | cps |
| Terbium | 159-2 | 3833869 | 3875197 | 3837831 | 3848966 | 0.59 | cps |
| Thallium | 203-1 | 1570 | 1693 | 1610 | 1625 | 3.88 | cps |
| Thallium | 205-1 | 3467 | 3667 | 3581 | 3572 | 2.81 | cps |
| Tin | 118-1 | 9770 | 9590 | 10074 | 9811 | 2.49 | cps |
| Titanium | 47-1 | 691309 | 696063 | 700854 | 696075 | 0.69 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-07 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE454 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:47:21 | DataFile Name : | 063SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 16691 | 16747 | 16567 | 16668 | 0.55 | cps |
| Vanadium | 51-2 | 361021 | 359674 | 358384 | 359693 | 0.37 | cps |
| Yttrium | 89-1 | 8190190 | 8272955 | 8186228 | 8216458 | 0.60 | cps |
| Yttrium | 89-2 | 2458162 | 2444599 | 2420765 | 2441176 | 0.78 | cps |
| Zinc | 66-2 | 131049 | 131580 | 129012 | 130547 | 1.04 | cps |
| Zirconium | 90-1 | 78555 | 81766 | 81736 | 80686 | 2.29 | cps |
| Zirconium | 91-1 | 17881 | 18058 | 18188 | 18042 | 0.85 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-08 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE455 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:50:33 | DataFile Name : | 064SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4852379 | 4864200 | 4814358 | 4843646 | 0.54 | cps |
| Antimony | 121-1 | 9260 | 9547 | 9813 | 9540 | 2.90 | cps |
| Arsenic | 75-2 | 25118 | 24944 | 25325 | 25129 | 0.76 | cps |
| Barium | 135-1 | 490842 | 498707 | 495091 | 494880 | 0.80 | cps |
| Barium | 137-1 | 842395 | 853439 | 858668 | 851501 | 0.98 | cps |
| Beryllium | 9-1 | 683 | 643 | 657 | 661 | 3.08 | cps |
| Bismuth | 209-1 | 3537415 | 3547447 | 3525199 | 3536687 | 0.32 | cps |
| Bismuth | 209-2 | 2633509 | 2659628 | 2605787 | 2632975 | 1.02 | cps |
| Bromine | 81-1 | 8159 | 8256 | 8322 | 8246 | 1.00 | cps |
| Bromine | 81-2 | 863 | 737 | 663 | 754 | 13.41 | cps |
| Cadmium | 108-1 | 157 | 133 | 220 | 170 | 26.38 | cps |
| Cadmium | 106-1 | 1370 | 1327 | 1183 | 1293 | 7.55 | cps |
| Cadmium | 111-1 | 2550 | 2659 | 2541 | 2583 | 2.54 | cps |
| Calcium | 43-1 | 346618 | 350989 | 354897 | 350835 | 1.18 | cps |
| Calcium | 44-1 | 5461122 | 5586166 | 5536794 | 5528027 | 1.14 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 216099 | 215714 | 217070 | 216294 | 0.32 | cps |
| Cobalt | 59-2 | 151972 | 149860 | 149648 | 150493 | 0.85 | cps |
| Copper | 63-2 | 613772 | 612778 | 612325 | 612958 | 0.12 | cps |
| Dysprosium | 156-1 | 31435 | 32417 | 31870 | 31907 | 1.54 | cps |
| Dysprosium | 156-2 | 27464 | 27600 | 27731 | 27598 | 0.48 | cps |
| Erbium | 164-1 | 25720 | 26121 | 25937 | 25926 | 0.77 | cps |
| Erbium | 164-2 | 17514 | 17828 | 17117 | 17487 | 2.04 | cps |
| Gadolinium | 160-1 | 29945 | 30510 | 31044 | 30500 | 1.80 | cps |
| Gadolinium | 160-2 | 22141 | 21647 | 21867 | 21885 | 1.13 | cps |
| Holmium | 165-1 | 5760839 | 5763927 | 5631611 | 5718792 | 1.32 | cps |
| Holmium | 165-2 | 3772224 | 3858713 | 3863498 | 3831479 | 1.34 | cps |
| Indium | 115-1 | 4604607 | 4618921 | 4617739 | 4613756 | 0.17 | cps |
| Indium | 115-2 | 1756923 | 1721608 | 1722651 | 1733727 | 1.16 | cps |
| Iron | 56-2 | 166465318 | 168383097 | 165489074 | 166779163 | 0.88 | cps |
| Iron | 57-2 | 4183698 | 4186351 | 4129553 | 4166534 | 0.77 | cps |
| Iron | 54-2 | 9242110 | 9216613 | 9148003 | 9202242 | 0.53 | cps |
| Krypton | 83-1 | 283 | 227 | 247 | 252 | 11.39 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-08 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE455 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:50:33 | DataFile Name : | 064SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 185403 | 184683 | 188119 | 186068 | 0.97 | cps |
| Lead | 207-1 | 157232 | 161740 | 160426 | 159799 | 1.45 | cps |
| Lead | 208-1 | 724562 | 727592 | 733999 | 728718 | 0.66 | cps |
| Lithium | 6-1 | 517705 | 509772 | 505898 | 511125 | 1.18 | cps |
| Magnesium | 24-2 | 4325872 | 4303972 | 4314018 | 4314621 | 0.25 | cps |
| Manganese | 55-2 | 3498823 | 3482696 | 3526419 | 3502646 | 0.63 | cps |
| Molybdenum | 94-1 | 15465 | 16109 | 15522 | 15699 | 2.27 | cps |
| Molybdenum | 95-1 | 6608 | 6508 | 6345 | 6487 | 2.05 | cps |
| Molybdenum | 96-1 | 10124 | 10034 | 10584 | 10247 | 2.88 | cps |
| Molybdenum | 97-1 | 3947 | 4027 | 4057 | 4011 | 1.42 | cps |
| Molybdenum | 98-1 | 9807 | 10220 | 10407 | 10145 | 3.03 | cps |
| Neodymium | 150-1 | 59669 | 59260 | 59528 | 59486 | 0.35 | cps |
| Neodymium | 150-2 | 35271 | 34683 | 34993 | 34982 | 0.84 | cps |
| Nickel | 60-2 | 71031 | 71198 | 70903 | 71044 | 0.21 | cps |
| Phosphorus | 31-2 | 25231 | 25999 | 25855 | 25695 | 1.59 | cps |
| Potassium | 39-2 | 4318338 | 4309120 | 4345319 | 4324259 | 0.44 | cps |
| Rhodium | 103-1 | 4351370 | 4280155 | 4270821 | 4300782 | 1.02 | cps |
| Rhodium | 103-2 | 2882135 | 2837114 | 2831780 | 2850343 | 0.97 | cps |
| Scandium | 45-1 | 2608818 | 2630189 | 2629167 | 2622725 | 0.46 | cps |
| Scandium | 45-2 | 306887 | 307013 | 304468 | 306123 | 0.47 | cps |
| Selenium | 82-1 | 296 | 323 | 310 | 310 | 4.37 | cps |
| Selenium | 77-2 | 133 | 130 | 113 | 126 | 8.54 | cps |
| Selenium | 78-2 | 487 | 437 | 447 | 457 | 5.79 | cps |
| Silicon | 28-1 | 9676485 | 9687484 | 9917155 | 9760375 | 1.39 | cps |
| Silver | 107-1 | 2964 | 2727 | 2874 | 2855 | 4.19 | cps |
| Silver | 109-1 | 2660 | 2597 | 2707 | 2655 | 2.08 | cps |
| Sodium | 23-2 | 564047 | 563051 | 560248 | 562449 | 0.35 | cps |
| Strontium | 86-1 | 291537 | 296737 | 295741 | 294672 | 0.94 | cps |
| Strontium | 88-1 | 2660549 | 2685426 | 2729863 | 2691946 | 1.30 | cps |
| Sulfur | 34-1 | 113867 | 112309 | 115126 | 113768 | 1.24 | cps |
| Terbium | 159-1 | 5992623 | 5874159 | 5896804 | 5921195 | 1.06 | cps |
| Terbium | 159-2 | 3819336 | 3881281 | 3907174 | 3869264 | 1.17 | cps |
| Thallium | 203-1 | 1387 | 1247 | 1453 | 1362 | 7.74 | cps |
| Thallium | 205-1 | 3417 | 3294 | 3210 | 3307 | 3.14 | cps |
| Tin | 118-1 | 9023 | 9126 | 9026 | 9058 | 0.65 | cps |
| Titanium | 47-1 | 666523 | 679152 | 683260 | 676312 | 1.29 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-08 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE455 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:50:33 | DataFile Name : | 064SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14965 | 15072 | 15125 | 15054 | 0.54 | cps |
| Vanadium | 51-2 | 339368 | 338834 | 337020 | 338407 | 0.36 | cps |
| Yttrium | 89-1 | 8150397 | 8263484 | 8220463 | 8211448 | 0.70 | cps |
| Yttrium | 89-2 | 2389091 | 2469786 | 2445773 | 2434883 | 1.70 | cps |
| Zinc | 66-2 | 121825 | 122134 | 122504 | 122154 | 0.28 | cps |
| Zirconium | 90-1 | 31604 | 32824 | 32549 | 32326 | 1.98 | cps |
| Zirconium | 91-1 | 7319 | 7202 | 7362 | 7294 | 1.14 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-09 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE456 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:53:41 | DataFile Name : | 065SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4959349 | 4887664 | 4952049 | 4933021 | 0.80 | cps |
| Antimony | 121-1 | 9060 | 9256 | 9773 | 9363 | 3.94 | cps |
| Arsenic | 75-2 | 25001 | 24277 | 24787 | 24688 | 1.51 | cps |
| Barium | 135-1 | 323496 | 323199 | 321439 | 322711 | 0.34 | cps |
| Barium | 137-1 | 549262 | 558588 | 562121 | 556657 | 1.19 | cps |
| Beryllium | 9-1 | 497 | 453 | 440 | 463 | 6.39 | cps |
| Bismuth | 209-1 | 3662641 | 3530777 | 3529153 | 3574190 | 2.14 | cps |
| Bismuth | 209-2 | 2659684 | 2655195 | 2740420 | 2685100 | 1.79 | cps |
| Bromine | 81-1 | 6028 | 6121 | 5708 | 5952 | 3.64 | cps |
| Bromine | 81-2 | 357 | 407 | 403 | 389 | 7.19 | cps |
| Cadmium | 108-1 | 147 | 157 | 117 | 140 | 14.87 | cps |
| Cadmium | 106-1 | 1523 | 1393 | 1357 | 1425 | 6.15 | cps |
| Cadmium | 111-1 | 2240 | 1826 | 1961 | 2009 | 10.52 | cps |
| Calcium | 43-1 | 339024 | 343474 | 344408 | 342302 | 0.84 | cps |
| Calcium | 44-1 | 5448614 | 5356827 | 5502078 | 5435840 | 1.35 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 271942 | 267857 | 267468 | 269089 | 0.92 | cps |
| Cobalt | 59-2 | 189715 | 188850 | 188296 | 188954 | 0.38 | cps |
| Copper | 63-2 | 542225 | 540441 | 541193 | 541286 | 0.17 | cps |
| Dysprosium | 156-1 | 23119 | 23617 | 23884 | 23540 | 1.65 | cps |
| Dysprosium | 156-2 | 19574 | 20138 | 20145 | 19952 | 1.64 | cps |
| Erbium | 164-1 | 21366 | 21463 | 20679 | 21169 | 2.02 | cps |
| Erbium | 164-2 | 14274 | 13897 | 14147 | 14106 | 1.36 | cps |
| Gadolinium | 160-1 | 22505 | 23373 | 23189 | 23022 | 1.99 | cps |
| Gadolinium | 160-2 | 16363 | 16416 | 16360 | 16380 | 0.19 | cps |
| Holmium | 165-1 | 5814634 | 5796620 | 5696539 | 5769264 | 1.10 | cps |
| Holmium | 165-2 | 3919257 | 3916398 | 3881417 | 3905691 | 0.54 | cps |
| Indium | 115-1 | 4702323 | 4683976 | 4651100 | 4679133 | 0.55 | cps |
| Indium | 115-2 | 1705342 | 1769523 | 1699451 | 1724772 | 2.25 | cps |
| Iron | 56-2 | 199585397 | 197308970 | 197891864 | 198262077 | 0.60 | cps |
| Iron | 57-2 | 4939204 | 4869542 | 4858823 | 4889190 | 0.89 | cps |
| Iron | 54-2 | 10990890 | 10969608 | 10873933 | 10944810 | 0.57 | cps |
| Krypton | 83-1 | 177 | 163 | 203 | 181 | 11.25 | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-09 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE456 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:53:41 | DataFile Name : | 065SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 152451 | 153149 | 153687 | 153096 | 0.41 | cps |
| Lead | 207-1 | 127818 | 129897 | 128501 | 128739 | 0.82 | cps |
| Lead | 208-1 | 583550 | 600458 | 591917 | 591975 | 1.43 | cps |
| Lithium | 6-1 | 541905 | 521309 | 526175 | 529796 | 2.03 | cps |
| Magnesium | 24-2 | 5566220 | 5488701 | 5560871 | 5538597 | 0.78 | cps |
| Manganese | 55-2 | 3258063 | 3225825 | 3181344 | 3221744 | 1.20 | cps |
| Molybdenum | 94-1 | 31952 | 32640 | 32710 | 32434 | 1.29 | cps |
| Molybdenum | 95-1 | 3947 | 3704 | 3974 | 3875 | 3.84 | cps |
| Molybdenum | 96-1 | 10664 | 10694 | 10948 | 10768 | 1.45 | cps |
| Molybdenum | 97-1 | 2484 | 2450 | 2480 | 2471 | 0.74 | cps |
| Molybdenum | 98-1 | 6108 | 5755 | 5908 | 5923 | 2.99 | cps |
| Neodymium | 150-1 | 41073 | 41511 | 41397 | 41327 | 0.55 | cps |
| Neodymium | 150-2 | 24394 | 24318 | 24742 | 24485 | 0.92 | cps |
| Nickel | 60-2 | 91742 | 92544 | 92074 | 92120 | 0.44 | cps |
| Phosphorus | 31-2 | 17497 | 17740 | 17163 | 17467 | 1.66 | cps |
| Potassium | 39-2 | 3242600 | 3194132 | 3253992 | 3230241 | 0.98 | cps |
| Rhodium | 103-1 | 4357301 | 4266681 | 4332597 | 4318860 | 1.08 | cps |
| Rhodium | 103-2 | 2848554 | 2900820 | 2814709 | 2854694 | 1.52 | cps |
| Scandium | 45-1 | 2742554 | 2700764 | 2628354 | 2690557 | 2.15 | cps |
| Scandium | 45-2 | 308896 | 308129 | 307648 | 308224 | 0.20 | cps |
| Selenium | 82-1 | 364 | 368 | 311 | 348 | 9.03 | cps |
| Selenium | 77-2 | 110 | 73 | 93 | 92 | 19.91 | cps |
| Selenium | 78-2 | 343 | 427 | 403 | 391 | 10.99 | cps |
| Silicon | 28-1 | 8019011 | 8289557 | 8255841 | 8188137 | 1.80 | cps |
| Silver | 107-1 | 2204 | 1990 | 2147 | 2114 | 5.23 | cps |
| Silver | 109-1 | 1847 | 1963 | 2070 | 1960 | 5.70 | cps |
| Sodium | 23-2 | 210177 | 209968 | 210604 | 210250 | 0.15 | cps |
| Strontium | 86-1 | 166744 | 170562 | 170048 | 169118 | 1.22 | cps |
| Strontium | 88-1 | 1511255 | 1550732 | 1524190 | 1528725 | 1.32 | cps |
| Sulfur | 34-1 | 108730 | 109190 | 109556 | 109158 | 0.38 | cps |
| Terbium | 159-1 | 5925045 | 5900090 | 5824494 | 5883210 | 0.89 | cps |
| Terbium | 159-2 | 3946681 | 3948296 | 3908433 | 3934470 | 0.57 | cps |
| Thallium | 203-1 | 960 | 1067 | 1070 | 1032 | 6.06 | cps |
| Thallium | 205-1 | 2287 | 2324 | 2300 | 2304 | 0.81 | cps |
| Tin | 118-1 | 6725 | 6655 | 6335 | 6572 | 3.17 | cps |
| Titanium | 47-1 | 661069 | 682425 | 678462 | 673985 | 1.69 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-09 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE456 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:53:41 | DataFile Name : | 065SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 10504 | 10768 | 10701 | 10658 | 1.29 | cps |
| Vanadium | 51-2 | 473078 | 472526 | 471532 | 472379 | 0.17 | cps |
| Yttrium | 89-1 | 8179577 | 8184811 | 8041108 | 8135165 | 1.00 | cps |
| Yttrium | 89-2 | 2374859 | 2410153 | 2424303 | 2403105 | 1.06 | cps |
| Zinc | 66-2 | 86260 | 85580 | 85906 | 85915 | 0.40 | cps |
| Zirconium | 90-1 | 82631 | 82456 | 83529 | 82872 | 0.69 | cps |
| Zirconium | 91-1 | 18065 | 18522 | 18472 | 18353 | 1.37 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-10 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE457 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:56:52 | DataFile Name : | 066SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5894129 | 5837778 | 5800042 | 5843983 | 0.81 | cps |
| Antimony | 121-1 | 15876 | 15505 | 15835 | 15739 | 1.29 | cps |
| Arsenic | 75-2 | 47736 | 47104 | 47285 | 47375 | 0.69 | cps |
| Barium | 135-1 | 604543 | 615992 | 616201 | 612246 | 1.09 | cps |
| Barium | 137-1 | 1036588 | 1057037 | 1065339 | 1052988 | 1.41 | cps |
| Beryllium | 9-1 | 820 | 960 | 910 | 897 | 7.91 | cps |
| Bismuth | 209-1 | 3624868 | 3624555 | 3416373 | 3555265 | 3.38 | cps |
| Bismuth | 209-2 | 2713864 | 2682729 | 2722376 | 2706323 | 0.77 | cps |
| Bromine | 81-1 | 6058 | 5851 | 6288 | 6066 | 3.60 | cps |
| Bromine | 81-2 | 353 | 367 | 417 | 379 | 8.81 | cps |
| Cadmium | 108-1 | 370 | 333 | 273 | 326 | 14.99 | cps |
| Cadmium | 106-1 | 1640 | 1653 | 1457 | 1583 | 6.94 | cps |
| Cadmium | 111-1 | 3843 | 3704 | 3882 | 3810 | 2.45 | cps |
| Calcium | 43-1 | 116543 | 119644 | 119457 | 118548 | 1.47 | cps |
| Calcium | 44-1 | 1830280 | 1878328 | 1867359 | 1858656 | 1.35 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 271499 | 267504 | 266117 | 268373 | 1.04 | cps |
| Cobalt | 59-2 | 210915 | 212035 | 210856 | 211269 | 0.31 | cps |
| Copper | 63-2 | 1031849 | 1036999 | 1023911 | 1030920 | 0.64 | cps |
| Dysprosium | 156-1 | 40374 | 40809 | 41177 | 40787 | 0.98 | cps |
| Dysprosium | 156-2 | 35953 | 36591 | 36197 | 36247 | 0.89 | cps |
| Erbium | 164-1 | 30206 | 31656 | 31038 | 30966 | 2.35 | cps |
| Erbium | 164-2 | 20929 | 21620 | 21093 | 21214 | 1.70 | cps |
| Gadolinium | 160-1 | 36929 | 38279 | 38613 | 37940 | 2.35 | cps |
| Gadolinium | 160-2 | 27744 | 27781 | 27370 | 27632 | 0.82 | cps |
| Holmium | 165-1 | 5813586 | 5881698 | 5538126 | 5744470 | 3.17 | cps |
| Holmium | 165-2 | 3893961 | 3881837 | 3866243 | 3880680 | 0.36 | cps |
| Indium | 115-1 | 4699436 | 4632076 | 4442465 | 4591326 | 2.90 | cps |
| Indium | 115-2 | 1727815 | 1728233 | 1720286 | 1725444 | 0.26 | cps |
| Iron | 56-2 | 225457083 | 225957377 | 224608010 | 225340823 | 0.30 | cps |
| Iron | 57-2 | 5568573 | 5616307 | 5575703 | 5586861 | 0.46 | cps |
| Iron | 54-2 | 12424928 | 12525273 | 12408301 | 12452834 | 0.51 | cps |
| Krypton | 83-1 | 233 | 287 | 217 | 246 | 14.89 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-10 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE457 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:56:52 | DataFile Name : | 066SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 313121 | 323750 | 318953 | 318608 | 1.67 | cps |
| Lead | 207-1 | 274375 | 277490 | 282210 | 278025 | 1.42 | cps |
| Lead | 208-1 | 1244372 | 1272137 | 1275384 | 1263964 | 1.35 | cps |
| Lithium | 6-1 | 539937 | 541833 | 527110 | 536293 | 1.49 | cps |
| Magnesium | 24-2 | 4555721 | 4538544 | 4542031 | 4545432 | 0.20 | cps |
| Manganese | 55-2 | 4777115 | 4851823 | 4749179 | 4792706 | 1.11 | cps |
| Molybdenum | 94-1 | 69451 | 71390 | 72050 | 70963 | 1.90 | cps |
| Molybdenum | 95-1 | 5725 | 6115 | 5951 | 5930 | 3.30 | cps |
| Molybdenum | 96-1 | 19326 | 19276 | 20024 | 19542 | 2.14 | cps |
| Molybdenum | 97-1 | 3610 | 4021 | 3557 | 3729 | 6.80 | cps |
| Molybdenum | 98-1 | 9373 | 9657 | 9787 | 9605 | 2.20 | cps |
| Neodymium | 150-1 | 78450 | 80498 | 80183 | 79710 | 1.38 | cps |
| Neodymium | 150-2 | 46620 | 47640 | 47309 | 47190 | 1.10 | cps |
| Nickel | 60-2 | 99155 | 98779 | 99947 | 99294 | 0.60 | cps |
| Phosphorus | 31-2 | 19686 | 20020 | 19656 | 19787 | 1.02 | cps |
| Potassium | 39-2 | 4307837 | 4325330 | 4314883 | 4316017 | 0.20 | cps |
| Rhodium | 103-1 | 4333755 | 4294262 | 4115373 | 4247796 | 2.74 | cps |
| Rhodium | 103-2 | 2873678 | 2946034 | 2886679 | 2902130 | 1.33 | cps |
| Scandium | 45-1 | 2696966 | 2667425 | 2516620 | 2627004 | 3.68 | cps |
| Scandium | 45-2 | 307646 | 304786 | 304022 | 305484 | 0.63 | cps |
| Selenium | 82-1 | 405 | 275 | 362 | 347 | 19.06 | cps |
| Selenium | 77-2 | 133 | 170 | 197 | 167 | 19.08 | cps |
| Selenium | 78-2 | 473 | 487 | 463 | 474 | 2.47 | cps |
| Silicon | 28-1 | 9331480 | 9465187 | 9650382 | 9482349 | 1.69 | cps |
| Silver | 107-1 | 5064 | 4908 | 5128 | 5033 | 2.25 | cps |
| Silver | 109-1 | 4404 | 4524 | 4644 | 4524 | 2.65 | cps |
| Sodium | 23-2 | 112873 | 112061 | 111510 | 112148 | 0.61 | cps |
| Strontium | 86-1 | 150414 | 153178 | 153491 | 152361 | 1.11 | cps |
| Strontium | 88-1 | 1319263 | 1338626 | 1339913 | 1332600 | 0.87 | cps |
| Sulfur | 34-1 | 102689 | 99578 | 101339 | 101202 | 1.54 | cps |
| Terbium | 159-1 | 6065666 | 5965077 | 5690501 | 5907081 | 3.29 | cps |
| Terbium | 159-2 | 4023611 | 3936786 | 3902837 | 3954411 | 1.58 | cps |
| Thallium | 203-1 | 1803 | 1964 | 2017 | 1928 | 5.76 | cps |
| Thallium | 205-1 | 4594 | 4684 | 4981 | 4753 | 4.26 | cps |
| Tin | 118-1 | 7409 | 7405 | 7639 | 7484 | 1.79 | cps |
| Titanium | 47-1 | 666652 | 680699 | 679561 | 675637 | 1.15 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-10 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE457 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 15:56:52 | DataFile Name : | 066SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 19828 | 20472 | 20536 | 20279 | 1.93 | cps |
| Vanadium | 51-2 | 437513 | 437259 | 434095 | 436289 | 0.44 | cps |
| Yttrium | 89-1 | 8432323 | 8262294 | 7846479 | 8180365 | 3.68 | cps |
| Yttrium | 89-2 | 2461129 | 2473046 | 2382700 | 2438959 | 2.01 | cps |
| Zinc | 66-2 | 146736 | 145723 | 145709 | 146056 | 0.40 | cps |
| Zirconium | 90-1 | 179977 | 184320 | 186577 | 183625 | 1.83 | cps |
| Zirconium | 91-1 | 40071 | 40833 | 40499 | 40468 | 0.94 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-11 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE458 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:00:01 | DataFile Name : | 067SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4724602 | 4666575 | 4701097 | 4697425 | 0.62 | cps |
| Antimony | 121-1 | 12562 | 12476 | 12145 | 12394 | 1.78 | cps |
| Arsenic | 75-2 | 30395 | 30227 | 30201 | 30274 | 0.35 | cps |
| Barium | 135-1 | 524216 | 530187 | 537055 | 530486 | 1.21 | cps |
| Barium | 137-1 | 911699 | 917002 | 920234 | 916311 | 0.47 | cps |
| Beryllium | 9-1 | 750 | 667 | 707 | 708 | 5.89 | cps |
| Bismuth | 209-1 | 3598291 | 3580663 | 3648094 | 3609016 | 0.97 | cps |
| Bismuth | 209-2 | 2735633 | 2663394 | 2726143 | 2708390 | 1.45 | cps |
| Bromine | 81-1 | 6855 | 6642 | 7252 | 6916 | 4.48 | cps |
| Bromine | 81-2 | 520 | 573 | 617 | 570 | 8.50 | cps |
| Cadmium | 108-1 | 233 | 197 | 180 | 203 | 13.42 | cps |
| Cadmium | 106-1 | 1350 | 1463 | 1447 | 1420 | 4.31 | cps |
| Cadmium | 111-1 | 3129 | 3240 | 3194 | 3187 | 1.76 | cps |
| Calcium | 43-1 | 278634 | 285131 | 284829 | 282864 | 1.30 | cps |
| Calcium | 44-1 | 4404148 | 4425775 | 4561908 | 4463944 | 1.92 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 223421 | 223075 | 222741 | 223079 | 0.15 | cps |
| Cobalt | 59-2 | 183141 | 182141 | 183211 | 182831 | 0.33 | cps |
| Copper | 63-2 | 773813 | 769580 | 769858 | 771084 | 0.31 | cps |
| Dysprosium | 156-1 | 33386 | 33974 | 33553 | 33638 | 0.90 | cps |
| Dysprosium | 156-2 | 29595 | 28736 | 29845 | 29392 | 1.98 | cps |
| Erbium | 164-1 | 27661 | 27691 | 27357 | 27570 | 0.67 | cps |
| Erbium | 164-2 | 18042 | 18442 | 18859 | 18448 | 2.22 | cps |
| Gadolinium | 160-1 | 31759 | 32010 | 32401 | 32057 | 1.01 | cps |
| Gadolinium | 160-2 | 23082 | 23269 | 22855 | 23069 | 0.90 | cps |
| Holmium | 165-1 | 5840789 | 5830037 | 5751974 | 5807600 | 0.83 | cps |
| Holmium | 165-2 | 3888318 | 3989638 | 3900423 | 3926126 | 1.41 | cps |
| Indium | 115-1 | 4631993 | 4563104 | 4594559 | 4596552 | 0.75 | cps |
| Indium | 115-2 | 1757150 | 1716599 | 1701083 | 1724944 | 1.68 | cps |
| Iron | 56-2 | 179630544 | 177699244 | 178242484 | 178524091 | 0.56 | cps |
| Iron | 57-2 | 4366494 | 4409951 | 4351544 | 4375996 | 0.69 | cps |
| Iron | 54-2 | 9893120 | 9716224 | 9785367 | 9798237 | 0.91 | cps |
| Krypton | 83-1 | 247 | 173 | 160 | 193 | 24.14 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-11 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE458 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:00:01 | DataFile Name : | 067SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 248913 | 251023 | 247657 | 249198 | 0.68 | cps |
| Lead | 207-1 | 214134 | 215909 | 216068 | 215371 | 0.50 | cps |
| Lead | 208-1 | 980826 | 986921 | 982069 | 983272 | 0.33 | cps |
| Lithium | 6-1 | 548220 | 548684 | 547802 | 548235 | 0.08 | cps |
| Magnesium | 24-2 | 4030503 | 3959426 | 3975784 | 3988571 | 0.93 | cps |
| Manganese | 55-2 | 4168529 | 4141042 | 4176577 | 4162049 | 0.45 | cps |
| Molybdenum | 94-1 | 30866 | 30782 | 31197 | 30948 | 0.71 | cps |
| Molybdenum | 95-1 | 6021 | 6205 | 6358 | 6195 | 2.72 | cps |
| Molybdenum | 96-1 | 12239 | 12782 | 12993 | 12671 | 3.07 | cps |
| Molybdenum | 97-1 | 3707 | 3744 | 3564 | 3672 | 2.59 | cps |
| Molybdenum | 98-1 | 9777 | 10147 | 9567 | 9830 | 2.99 | cps |
| Neodymium | 150-1 | 62698 | 63546 | 64611 | 63618 | 1.51 | cps |
| Neodymium | 150-2 | 37583 | 37884 | 38232 | 37900 | 0.86 | cps |
| Nickel | 60-2 | 71814 | 72280 | 72541 | 72212 | 0.51 | cps |
| Phosphorus | 31-2 | 37295 | 37295 | 37646 | 37412 | 0.54 | cps |
| Potassium | 39-2 | 4103965 | 4128300 | 4092007 | 4108091 | 0.45 | cps |
| Rhodium | 103-1 | 4313842 | 4314228 | 4281980 | 4303350 | 0.43 | cps |
| Rhodium | 103-2 | 2890539 | 2891644 | 2849747 | 2877310 | 0.83 | cps |
| Scandium | 45-1 | 2656228 | 2634562 | 2670466 | 2653752 | 0.68 | cps |
| Scandium | 45-2 | 301748 | 299258 | 302541 | 301183 | 0.57 | cps |
| Selenium | 82-1 | 301 | 435 | 415 | 384 | 18.80 | cps |
| Selenium | 77-2 | 170 | 133 | 140 | 148 | 13.21 | cps |
| Selenium | 78-2 | 420 | 413 | 477 | 437 | 7.97 | cps |
| Silicon | 28-1 | 10071779 | 10287584 | 10229350 | 10196238 | 1.09 | cps |
| Silver | 107-1 | 4834 | 4878 | 4861 | 4858 | 0.45 | cps |
| Silver | 109-1 | 4361 | 4591 | 4811 | 4587 | 4.91 | cps |
| Sodium | 23-2 | 153436 | 151356 | 153231 | 152675 | 0.75 | cps |
| Strontium | 86-1 | 318754 | 321018 | 323696 | 321156 | 0.77 | cps |
| Strontium | 88-1 | 2885485 | 2949414 | 2928479 | 2921126 | 1.12 | cps |
| Sulfur | 34-1 | 108347 | 106430 | 108468 | 107748 | 1.06 | cps |
| Terbium | 159-1 | 5957360 | 5958975 | 5962805 | 5959713 | 0.05 | cps |
| Terbium | 159-2 | 3934608 | 3917671 | 3950737 | 3934339 | 0.42 | cps |
| Thallium | 203-1 | 1573 | 1570 | 1557 | 1567 | 0.56 | cps |
| Thallium | 205-1 | 3491 | 3757 | 3884 | 3711 | 5.41 | cps |
| Tin | 118-1 | 8236 | 8686 | 8413 | 8445 | 2.69 | cps |
| Titanium | 47-1 | 570661 | 579150 | 580585 | 576799 | 0.93 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-11 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE458 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:00:01 | DataFile Name : | 067SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 17134 | 16697 | 17508 | 17113 | 2.37 | cps |
| Vanadium | 51-2 | 355710 | 354980 | 353315 | 354668 | 0.35 | cps |
| Yttrium | 89-1 | 8181126 | 8192896 | 8092101 | 8155374 | 0.68 | cps |
| Yttrium | 89-2 | 2433905 | 2437931 | 2476616 | 2449484 | 0.96 | cps |
| Zinc | 66-2 | 145578 | 143929 | 143259 | 144256 | 0.83 | cps |
| Zirconium | 90-1 | 73935 | 75011 | 74806 | 74584 | 0.77 | cps |
| Zirconium | 91-1 | 16413 | 16233 | 16916 | 16521 | 2.15 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-12 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE459 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:03:12 | DataFile Name : | 068SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5472393 | 5477078 | 5396119 | 5448530 | 0.83 | cps |
| Antimony | 121-1 | 15105 | 15435 | 15869 | 15470 | 2.48 | cps |
| Arsenic | 75-2 | 42407 | 41919 | 41568 | 41965 | 1.00 | cps |
| Barium | 135-1 | 595774 | 602518 | 610495 | 602929 | 1.22 | cps |
| Barium | 137-1 | 1024525 | 1049825 | 1053982 | 1042777 | 1.53 | cps |
| Beryllium | 9-1 | 773 | 870 | 840 | 828 | 5.98 | cps |
| Bismuth | 209-1 | 3693214 | 3579768 | 3606699 | 3626560 | 1.63 | cps |
| Bismuth | 209-2 | 2730521 | 2752637 | 2698442 | 2727200 | 1.00 | cps |
| Bromine | 81-1 | 6895 | 6955 | 7382 | 7077 | 3.75 | cps |
| Bromine | 81-2 | 597 | 660 | 483 | 580 | 15.43 | cps |
| Cadmium | 108-1 | 203 | 287 | 327 | 272 | 23.11 | cps |
| Cadmium | 106-1 | 1467 | 1493 | 1367 | 1442 | 4.63 | cps |
| Cadmium | 111-1 | 3935 | 3878 | 3818 | 3877 | 1.50 | cps |
| Calcium | 43-1 | 248156 | 254281 | 253514 | 251984 | 1.32 | cps |
| Calcium | 44-1 | 3913511 | 3956439 | 3975053 | 3948334 | 0.80 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 258918 | 261711 | 257910 | 259513 | 0.76 | cps |
| Cobalt | 59-2 | 190511 | 193819 | 192488 | 192273 | 0.87 | cps |
| Copper | 63-2 | 1031283 | 1033281 | 1034245 | 1032937 | 0.15 | cps |
| Dysprosium | 156-1 | 37774 | 37761 | 39388 | 38308 | 2.44 | cps |
| Dysprosium | 156-2 | 33677 | 34081 | 33042 | 33600 | 1.56 | cps |
| Erbium | 164-1 | 30340 | 30209 | 30437 | 30328 | 0.38 | cps |
| Erbium | 164-2 | 20629 | 20372 | 20268 | 20423 | 0.91 | cps |
| Gadolinium | 160-1 | 36240 | 36093 | 37076 | 36470 | 1.45 | cps |
| Gadolinium | 160-2 | 26913 | 26609 | 26592 | 26704 | 0.68 | cps |
| Holmium | 165-1 | 5720520 | 5729404 | 5794237 | 5748054 | 0.70 | cps |
| Holmium | 165-2 | 3874402 | 3937177 | 3875946 | 3895842 | 0.92 | cps |
| Indium | 115-1 | 4677908 | 4593553 | 4595951 | 4622471 | 1.04 | cps |
| Indium | 115-2 | 1723919 | 1732051 | 1708446 | 1721472 | 0.70 | cps |
| Iron | 56-2 | 211599664 | 208434004 | 208835477 | 209623048 | 0.82 | cps |
| Iron | 57-2 | 5269130 | 5189271 | 5183613 | 5214005 | 0.92 | cps |
| Iron | 54-2 | 11700409 | 11648624 | 11601616 | 11650217 | 0.42 | cps |
| Krypton | 83-1 | 227 | 243 | 223 | 231 | 4.64 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-12 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE459 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:03:12 | DataFile Name : | 068SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 304041 | 305684 | 309539 | 306421 | 0.92 | cps |
| Lead | 207-1 | 264797 | 268088 | 268375 | 267087 | 0.74 | cps |
| Lead | 208-1 | 1202160 | 1217481 | 1221877 | 1213839 | 0.85 | cps |
| Lithium | 6-1 | 557849 | 547736 | 543675 | 549753 | 1.33 | cps |
| Magnesium | 24-2 | 4272857 | 4384574 | 4368763 | 4342065 | 1.39 | cps |
| Manganese | 55-2 | 4645499 | 4669039 | 4667662 | 4660733 | 0.28 | cps |
| Molybdenum | 94-1 | 40121 | 39978 | 41047 | 40382 | 1.44 | cps |
| Molybdenum | 95-1 | 5501 | 5631 | 5711 | 5614 | 1.89 | cps |
| Molybdenum | 96-1 | 13526 | 13543 | 13833 | 13634 | 1.27 | cps |
| Molybdenum | 97-1 | 3350 | 3410 | 3514 | 3425 | 2.41 | cps |
| Molybdenum | 98-1 | 8533 | 8719 | 9110 | 8787 | 3.35 | cps |
| Neodymium | 150-1 | 73266 | 73745 | 74592 | 73868 | 0.91 | cps |
| Neodymium | 150-2 | 43584 | 44871 | 44169 | 44208 | 1.46 | cps |
| Nickel | 60-2 | 90612 | 89515 | 89435 | 89854 | 0.73 | cps |
| Phosphorus | 31-2 | 32698 | 32207 | 33042 | 32649 | 1.29 | cps |
| Potassium | 39-2 | 4662228 | 4691517 | 4710196 | 4687980 | 0.52 | cps |
| Rhodium | 103-1 | 4358845 | 4278243 | 4294858 | 4310649 | 0.99 | cps |
| Rhodium | 103-2 | 2821727 | 2872625 | 2854519 | 2849624 | 0.91 | cps |
| Scandium | 45-1 | 2668700 | 2645941 | 2603115 | 2639252 | 1.26 | cps |
| Scandium | 45-2 | 301739 | 303690 | 303609 | 303013 | 0.36 | cps |
| Selenium | 82-1 | 446 | 379 | 404 | 410 | 8.30 | cps |
| Selenium | 77-2 | 130 | 163 | 190 | 161 | 18.66 | cps |
| Selenium | 78-2 | 430 | 483 | 430 | 448 | 6.88 | cps |
| Silicon | 28-1 | 10395854 | 10499830 | 10748632 | 10548105 | 1.72 | cps |
| Silver | 107-1 | 4848 | 4797 | 4798 | 4814 | 0.60 | cps |
| Silver | 109-1 | 4384 | 4521 | 4454 | 4453 | 1.54 | cps |
| Sodium | 23-2 | 238578 | 240410 | 238067 | 239019 | 0.52 | cps |
| Strontium | 86-1 | 209658 | 212865 | 215741 | 212755 | 1.43 | cps |
| Strontium | 88-1 | 1891114 | 1931934 | 1961004 | 1928017 | 1.82 | cps |
| Sulfur | 34-1 | 109250 | 108162 | 107249 | 108221 | 0.93 | cps |
| Terbium | 159-1 | 5967387 | 5939503 | 5916933 | 5941274 | 0.43 | cps |
| Terbium | 159-2 | 3937837 | 3919849 | 3961008 | 3939565 | 0.52 | cps |
| Thallium | 203-1 | 2004 | 1950 | 2037 | 1997 | 2.19 | cps |
| Thallium | 205-1 | 4464 | 4748 | 4708 | 4640 | 3.31 | cps |
| Tin | 118-1 | 8633 | 8486 | 8779 | 8633 | 1.70 | cps |
| Titanium | 47-1 | 622190 | 628622 | 638497 | 629770 | 1.30 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-12 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE459 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:03:12 | DataFile Name : | 068SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 18937 | 18723 | 18363 | 18674 | 1.55 | cps |
| Vanadium | 51-2 | 408837 | 406539 | 409762 | 408379 | 0.41 | cps |
| Yttrium | 89-1 | 8274781 | 8163178 | 8155956 | 8197971 | 0.81 | cps |
| Yttrium | 89-2 | 2436203 | 2456825 | 2418125 | 2437051 | 0.79 | cps |
| Zinc | 66-2 | 158434 | 160894 | 158774 | 159367 | 0.84 | cps |
| Zirconium | 90-1 | 98240 | 100706 | 101645 | 100197 | 1.76 | cps |
| Zirconium | 91-1 | 22254 | 22287 | 22441 | 22327 | 0.45 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-13 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE460 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:06:21 | DataFile Name : | 069SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4599016 | 4579965 | 4505937 | 4561640 | 1.08 | cps |
| Antimony | 121-1 | 11158 | 10547 | 11041 | 10915 | 2.97 | cps |
| Arsenic | 75-2 | 24547 | 25208 | 24764 | 24840 | 1.36 | cps |
| Barium | 135-1 | 487829 | 485172 | 491360 | 488120 | 0.64 | cps |
| Barium | 137-1 | 838862 | 845533 | 847835 | 844077 | 0.55 | cps |
| Beryllium | 9-1 | 753 | 620 | 677 | 683 | 9.79 | cps |
| Bismuth | 209-1 | 3627989 | 3542660 | 3565470 | 3578707 | 1.23 | cps |
| Bismuth | 209-2 | 2662833 | 2641403 | 2663474 | 2655903 | 0.47 | cps |
| Bromine | 81-1 | 7212 | 7695 | 7722 | 7543 | 3.81 | cps |
| Bromine | 81-2 | 597 | 623 | 653 | 624 | 4.54 | cps |
| Cadmium | 108-1 | 240 | 243 | 247 | 243 | 1.37 | cps |
| Cadmium | 106-1 | 1367 | 1443 | 1443 | 1418 | 3.12 | cps |
| Cadmium | 111-1 | 3326 | 3374 | 3275 | 3325 | 1.49 | cps |
| Calcium | 43-1 | 293346 | 293553 | 297004 | 294634 | 0.70 | cps |
| Calcium | 44-1 | 4560260 | 4652047 | 4669824 | 4627377 | 1.27 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 201370 | 202110 | 201045 | 201508 | 0.27 | cps |
| Cobalt | 59-2 | 143711 | 143792 | 143745 | 143749 | 0.03 | cps |
| Copper | 63-2 | 799185 | 800125 | 794986 | 798099 | 0.34 | cps |
| Dysprosium | 156-1 | 31074 | 31656 | 31001 | 31244 | 1.15 | cps |
| Dysprosium | 156-2 | 26592 | 26859 | 27317 | 26922 | 1.36 | cps |
| Erbium | 164-1 | 25276 | 25791 | 25537 | 25535 | 1.01 | cps |
| Erbium | 164-2 | 16987 | 16874 | 16550 | 16804 | 1.35 | cps |
| Gadolinium | 160-1 | 29708 | 30099 | 29538 | 29782 | 0.97 | cps |
| Gadolinium | 160-2 | 21704 | 22138 | 21530 | 21790 | 1.44 | cps |
| Holmium | 165-1 | 5744730 | 5807314 | 5590873 | 5714306 | 1.95 | cps |
| Holmium | 165-2 | 3905113 | 3910393 | 3910088 | 3908531 | 0.08 | cps |
| Indium | 115-1 | 4602696 | 4645988 | 4562299 | 4603661 | 0.91 | cps |
| Indium | 115-2 | 1735802 | 1716475 | 1708761 | 1720346 | 0.81 | cps |
| Iron | 56-2 | 155353124 | 154516324 | 154201368 | 154690272 | 0.38 | cps |
| Iron | 57-2 | 3844525 | 3832565 | 3822030 | 3833040 | 0.29 | cps |
| Iron | 54-2 | 8603727 | 8488534 | 8508281 | 8533514 | 0.72 | cps |
| Krypton | 83-1 | 237 | 250 | 207 | 231 | 9.60 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-13 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE460 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:06:21 | DataFile Name : | 069SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 227632 | 231693 | 230038 | 229788 | 0.89 | cps |
| Lead | 207-1 | 200461 | 199341 | 204645 | 201482 | 1.39 | cps |
| Lead | 208-1 | 907941 | 912411 | 915078 | 911810 | 0.40 | cps |
| Lithium | 6-1 | 544275 | 539964 | 530837 | 538359 | 1.27 | cps |
| Magnesium | 24-2 | 3755474 | 3687975 | 3703617 | 3715689 | 0.95 | cps |
| Manganese | 55-2 | 3604903 | 3647588 | 3550749 | 3601080 | 1.35 | cps |
| Molybdenum | 94-1 | 26758 | 27065 | 27132 | 26985 | 0.74 | cps |
| Molybdenum | 95-1 | 5128 | 4804 | 5031 | 4988 | 3.33 | cps |
| Molybdenum | 96-1 | 10567 | 10634 | 11058 | 10753 | 2.47 | cps |
| Molybdenum | 97-1 | 3084 | 3190 | 3044 | 3106 | 2.44 | cps |
| Molybdenum | 98-1 | 7832 | 7922 | 7989 | 7914 | 0.99 | cps |
| Neodymium | 150-1 | 58420 | 58979 | 59870 | 59090 | 1.24 | cps |
| Neodymium | 150-2 | 34699 | 34800 | 35221 | 34906 | 0.79 | cps |
| Nickel | 60-2 | 66550 | 66560 | 66724 | 66611 | 0.15 | cps |
| Phosphorus | 31-2 | 32167 | 32000 | 32518 | 32228 | 0.82 | cps |
| Potassium | 39-2 | 3939329 | 3970642 | 4006895 | 3972288 | 0.85 | cps |
| Rhodium | 103-1 | 4286893 | 4321123 | 4327615 | 4311877 | 0.51 | cps |
| Rhodium | 103-2 | 2887889 | 2894574 | 2857519 | 2879994 | 0.69 | cps |
| Scandium | 45-1 | 2588918 | 2630442 | 2593179 | 2604180 | 0.88 | cps |
| Scandium | 45-2 | 302515 | 300710 | 301815 | 301680 | 0.30 | cps |
| Selenium | 82-1 | 361 | 330 | 379 | 357 | 6.85 | cps |
| Selenium | 77-2 | 110 | 183 | 103 | 132 | 33.57 | cps |
| Selenium | 78-2 | 440 | 390 | 427 | 419 | 6.18 | cps |
| Silicon | 28-1 | 10574422 | 10699237 | 10978915 | 10750858 | 1.93 | cps |
| Silver | 107-1 | 4441 | 4451 | 4434 | 4442 | 0.19 | cps |
| Silver | 109-1 | 4181 | 4114 | 4211 | 4168 | 1.19 | cps |
| Sodium | 23-2 | 238666 | 236913 | 237398 | 237659 | 0.38 | cps |
| Strontium | 86-1 | 278862 | 283389 | 285083 | 282444 | 1.14 | cps |
| Strontium | 88-1 | 2588064 | 2578200 | 2534468 | 2566910 | 1.11 | cps |
| Sulfur | 34-1 | 113598 | 112829 | 112913 | 113114 | 0.37 | cps |
| Terbium | 159-1 | 6019042 | 5905517 | 5898738 | 5941099 | 1.14 | cps |
| Terbium | 159-2 | 3853003 | 3904978 | 3905147 | 3887709 | 0.77 | cps |
| Thallium | 203-1 | 1423 | 1687 | 1517 | 1542 | 8.66 | cps |
| Thallium | 205-1 | 3490 | 3834 | 3614 | 3646 | 4.77 | cps |
| Tin | 118-1 | 9406 | 9707 | 9837 | 9650 | 2.29 | cps |
| Titanium | 47-1 | 593553 | 596364 | 600677 | 596865 | 0.60 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-13 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE460 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:06:21 | DataFile Name : | 069SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 15973 | 16167 | 15736 | 15959 | 1.35 | cps |
| Vanadium | 51-2 | 294242 | 292752 | 293557 | 293517 | 0.25 | cps |
| Yttrium | 89-1 | 8088661 | 8134747 | 8097236 | 8106881 | 0.30 | cps |
| Yttrium | 89-2 | 2413397 | 2389531 | 2351808 | 2384912 | 1.30 | cps |
| Zinc | 66-2 | 137405 | 138374 | 137924 | 137901 | 0.35 | cps |
| Zirconium | 90-1 | 65338 | 65880 | 67243 | 66154 | 1.48 | cps |
| Zirconium | 91-1 | 14360 | 15165 | 15548 | 15024 | 4.03 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-14 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE461 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:09:33 | DataFile Name : | 070SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4120398 | 4087592 | 4059485 | 4089159 | 0.75 | cps |
| Antimony | 121-1 | 15348 | 15365 | 14921 | 15211 | 1.65 | cps |
| Arsenic | 75-2 | 29195 | 28561 | 28093 | 28617 | 1.93 | cps |
| Barium | 135-1 | 421220 | 420703 | 418307 | 420076 | 0.37 | cps |
| Barium | 137-1 | 701517 | 718489 | 737078 | 719028 | 2.47 | cps |
| Beryllium | 9-1 | 620 | 520 | 673 | 604 | 12.88 | cps |
| Bismuth | 209-1 | 3656377 | 3527259 | 3424739 | 3536125 | 3.28 | cps |
| Bismuth | 209-2 | 2739321 | 2735987 | 2659335 | 2711548 | 1.67 | cps |
| Bromine | 81-1 | 6265 | 6415 | 6618 | 6433 | 2.76 | cps |
| Bromine | 81-2 | 397 | 330 | 380 | 369 | 9.41 | cps |
| Cadmium | 108-1 | 193 | 183 | 257 | 211 | 18.84 | cps |
| Cadmium | 106-1 | 1380 | 1347 | 1353 | 1360 | 1.30 | cps |
| Cadmium | 111-1 | 2768 | 2801 | 2761 | 2777 | 0.77 | cps |
| Calcium | 43-1 | 136827 | 140356 | 141997 | 139727 | 1.89 | cps |
| Calcium | 44-1 | 2242666 | 2186540 | 2224524 | 2217910 | 1.29 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 193062 | 192789 | 192566 | 192806 | 0.13 | cps |
| Cobalt | 59-2 | 139054 | 138331 | 138630 | 138672 | 0.26 | cps |
| Copper | 63-2 | 613522 | 609536 | 612668 | 611909 | 0.34 | cps |
| Dysprosium | 156-1 | 29127 | 30603 | 29845 | 29858 | 2.47 | cps |
| Dysprosium | 156-2 | 25436 | 25396 | 25430 | 25421 | 0.08 | cps |
| Erbium | 164-1 | 22495 | 22508 | 23259 | 22754 | 1.92 | cps |
| Erbium | 164-2 | 15015 | 15122 | 15499 | 15212 | 1.67 | cps |
| Gadolinium | 160-1 | 26645 | 28172 | 27701 | 27506 | 2.84 | cps |
| Gadolinium | 160-2 | 20188 | 19644 | 20255 | 20029 | 1.67 | cps |
| Holmium | 165-1 | 6042228 | 5951068 | 5674445 | 5889247 | 3.25 | cps |
| Holmium | 165-2 | 3932735 | 3819844 | 3852079 | 3868219 | 1.50 | cps |
| Indium | 115-1 | 4810975 | 4729195 | 4548199 | 4696123 | 2.86 | cps |
| Indium | 115-2 | 1739771 | 1715766 | 1681211 | 1712249 | 1.72 | cps |
| Iron | 56-2 | 164229084 | 161955944 | 162513514 | 162899514 | 0.73 | cps |
| Iron | 57-2 | 4022860 | 4075455 | 4037457 | 4045257 | 0.67 | cps |
| Iron | 54-2 | 9077064 | 8961263 | 8945061 | 8994463 | 0.80 | cps |
| Krypton | 83-1 | 213 | 210 | 190 | 204 | 6.17 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-14 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE461 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:09:33 | DataFile Name : | 070SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 216334 | 212114 | 210552 | 213000 | 1.40 | cps |
| Lead | 207-1 | 180654 | 186558 | 191960 | 186391 | 3.03 | cps |
| Lead | 208-1 | 829026 | 837707 | 838950 | 835228 | 0.65 | cps |
| Lithium | 6-1 | 555333 | 528235 | 524065 | 535878 | 3.17 | cps |
| Magnesium | 24-2 | 3331770 | 3301515 | 3269074 | 3300786 | 0.95 | cps |
| Manganese | 55-2 | 3407122 | 3338172 | 3355274 | 3366856 | 1.07 | cps |
| Molybdenum | 94-1 | 30295 | 31344 | 31484 | 31041 | 2.09 | cps |
| Molybdenum | 95-1 | 5254 | 5454 | 5284 | 5331 | 2.02 | cps |
| Molybdenum | 96-1 | 11815 | 11685 | 11731 | 11744 | 0.56 | cps |
| Molybdenum | 97-1 | 3187 | 3367 | 3184 | 3246 | 3.23 | cps |
| Molybdenum | 98-1 | 8486 | 8402 | 8389 | 8426 | 0.62 | cps |
| Neodymium | 150-1 | 54816 | 56108 | 56141 | 55688 | 1.36 | cps |
| Neodymium | 150-2 | 33343 | 33450 | 33059 | 33284 | 0.61 | cps |
| Nickel | 60-2 | 63018 | 62145 | 62038 | 62400 | 0.86 | cps |
| Phosphorus | 31-2 | 26079 | 25842 | 25652 | 25857 | 0.83 | cps |
| Potassium | 39-2 | 3079044 | 3092959 | 3125500 | 3099168 | 0.77 | cps |
| Rhodium | 103-1 | 4283489 | 4377284 | 4354757 | 4338510 | 1.13 | cps |
| Rhodium | 103-2 | 2846624 | 2844799 | 2765267 | 2818897 | 1.65 | cps |
| Scandium | 45-1 | 2700260 | 2567631 | 2550478 | 2606123 | 3.15 | cps |
| Scandium | 45-2 | 296132 | 295482 | 295485 | 295700 | 0.13 | cps |
| Selenium | 82-1 | 368 | 347 | 366 | 360 | 3.24 | cps |
| Selenium | 77-2 | 120 | 133 | 80 | 111 | 24.98 | cps |
| Selenium | 78-2 | 473 | 423 | 450 | 449 | 5.57 | cps |
| Silicon | 28-1 | 8389961 | 8631283 | 8492271 | 8504505 | 1.42 | cps |
| Silver | 107-1 | 3824 | 3997 | 3891 | 3904 | 2.24 | cps |
| Silver | 109-1 | 3504 | 3651 | 3784 | 3646 | 3.84 | cps |
| Sodium | 23-2 | 110389 | 109254 | 109039 | 109561 | 0.66 | cps |
| Strontium | 86-1 | 155011 | 160974 | 161860 | 159282 | 2.34 | cps |
| Strontium | 88-1 | 1356173 | 1381693 | 1382137 | 1373334 | 1.08 | cps |
| Sulfur | 34-1 | 103641 | 103494 | 102910 | 103349 | 0.37 | cps |
| Terbium | 159-1 | 5886458 | 5917121 | 6083485 | 5962355 | 1.78 | cps |
| Terbium | 159-2 | 3898349 | 3823654 | 3932824 | 3884942 | 1.44 | cps |
| Thallium | 203-1 | 1170 | 1267 | 1373 | 1270 | 8.01 | cps |
| Thallium | 205-1 | 3114 | 3317 | 3204 | 3212 | 3.17 | cps |
| Tin | 118-1 | 7869 | 8192 | 8229 | 8097 | 2.45 | cps |
| Titanium | 47-1 | 515147 | 536798 | 533624 | 528523 | 2.21 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-14 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE461 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:09:33 | DataFile Name : | 070SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 13814 | 14168 | 14568 | 14183 | 2.66 | cps |
| Vanadium | 51-2 | 311293 | 310306 | 310440 | 310680 | 0.17 | cps |
| Yttrium | 89-1 | 7991892 | 7946654 | 7856618 | 7931722 | 0.87 | cps |
| Yttrium | 89-2 | 2405572 | 2350439 | 2356079 | 2370697 | 1.28 | cps |
| Zinc | 66-2 | 119933 | 119520 | 118419 | 119291 | 0.66 | cps |
| Zirconium | 90-1 | 78173 | 79212 | 78435 | 78607 | 0.69 | cps |
| Zirconium | 91-1 | 16389 | 18015 | 17771 | 17392 | 5.04 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-15 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE462 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:12:43 | DataFile Name : | 071SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6657105 | 6718821 | 6714164 | 6696697 | 0.51 | cps |
| Antimony | 121-1 | 17915 | 18008 | 17758 | 17893 | 0.71 | cps |
| Arsenic | 75-2 | 32546 | 32876 | 32382 | 32601 | 0.77 | cps |
| Barium | 135-1 | 495910 | 505401 | 503932 | 501748 | 1.02 | cps |
| Barium | 137-1 | 855995 | 878194 | 867114 | 867101 | 1.28 | cps |
| Beryllium | 9-1 | 910 | 870 | 867 | 882 | 2.73 | cps |
| Bismuth | 209-1 | 3628947 | 3239638 | 3546843 | 3471809 | 5.91 | cps |
| Bismuth | 209-2 | 2717423 | 2727558 | 2677843 | 2707608 | 0.97 | cps |
| Bromine | 81-1 | 6271 | 6708 | 6348 | 6443 | 3.62 | cps |
| Bromine | 81-2 | 450 | 470 | 357 | 426 | 14.22 | cps |
| Cadmium | 108-1 | 203 | 240 | 197 | 213 | 10.94 | cps |
| Cadmium | 106-1 | 1560 | 1333 | 1467 | 1453 | 7.84 | cps |
| Cadmium | 111-1 | 2103 | 1932 | 1939 | 1991 | 4.86 | cps |
| Calcium | 43-1 | 417034 | 424286 | 424895 | 422072 | 1.04 | cps |
| Calcium | 44-1 | 6555973 | 6652379 | 6606466 | 6604939 | 0.73 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 249799 | 247565 | 248867 | 248744 | 0.45 | cps |
| Cobalt | 59-2 | 212025 | 211511 | 208519 | 210685 | 0.90 | cps |
| Copper | 63-2 | 559848 | 552902 | 555753 | 556168 | 0.63 | cps |
| Dysprosium | 156-1 | 40057 | 40060 | 40542 | 40220 | 0.69 | cps |
| Dysprosium | 156-2 | 35475 | 35294 | 34963 | 35244 | 0.74 | cps |
| Erbium | 164-1 | 32478 | 34008 | 32638 | 33041 | 2.55 | cps |
| Erbium | 164-2 | 22054 | 21911 | 21630 | 21865 | 0.99 | cps |
| Gadolinium | 160-1 | 38613 | 38687 | 38864 | 38721 | 0.33 | cps |
| Gadolinium | 160-2 | 27975 | 27310 | 27003 | 27429 | 1.81 | cps |
| Holmium | 165-1 | 5749439 | 5350889 | 5747761 | 5616030 | 4.09 | cps |
| Holmium | 165-2 | 3879892 | 3928713 | 3887060 | 3898555 | 0.68 | cps |
| Indium | 115-1 | 4573741 | 4200736 | 4532857 | 4435778 | 4.61 | cps |
| Indium | 115-2 | 1713836 | 1712190 | 1731761 | 1719262 | 0.63 | cps |
| Iron | 56-2 | 229598823 | 224432370 | 228888417 | 227639870 | 1.23 | cps |
| Iron | 57-2 | 5632546 | 5667032 | 5629771 | 5643116 | 0.37 | cps |
| Iron | 54-2 | 12611683 | 12602404 | 12573011 | 12595699 | 0.16 | cps |
| Krypton | 83-1 | 220 | 217 | 203 | 213 | 4.13 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-15 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE462 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:12:43 | DataFile Name : | 071SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 186508 | 190457 | 190372 | 189112 | 1.19 | cps |
| Lead | 207-1 | 163174 | 166781 | 165684 | 165213 | 1.12 | cps |
| Lead | 208-1 | 742325 | 754083 | 751504 | 749304 | 0.82 | cps |
| Lithium | 6-1 | 545985 | 506376 | 539402 | 530588 | 4.00 | cps |
| Magnesium | 24-2 | 6207162 | 6271758 | 6320479 | 6266466 | 0.91 | cps |
| Manganese | 55-2 | 3880022 | 3865303 | 3877499 | 3874275 | 0.20 | cps |
| Molybdenum | 94-1 | 88522 | 89833 | 89941 | 89432 | 0.88 | cps |
| Molybdenum | 95-1 | 6281 | 6231 | 6455 | 6323 | 1.85 | cps |
| Molybdenum | 96-1 | 22668 | 22621 | 23382 | 22890 | 1.86 | cps |
| Molybdenum | 97-1 | 3670 | 3974 | 4024 | 3889 | 4.92 | cps |
| Molybdenum | 98-1 | 9500 | 9977 | 9737 | 9738 | 2.45 | cps |
| Neodymium | 150-1 | 77853 | 80018 | 78406 | 78759 | 1.43 | cps |
| Neodymium | 150-2 | 46259 | 45841 | 45975 | 46025 | 0.46 | cps |
| Nickel | 60-2 | 126085 | 124949 | 126203 | 125746 | 0.55 | cps |
| Phosphorus | 31-2 | 29231 | 29368 | 29565 | 29388 | 0.57 | cps |
| Potassium | 39-2 | 2683001 | 2649286 | 2657330 | 2663205 | 0.66 | cps |
| Rhodium | 103-1 | 4309842 | 3955362 | 4222415 | 4162540 | 4.44 | cps |
| Rhodium | 103-2 | 2872467 | 2834588 | 2848764 | 2851940 | 0.67 | cps |
| Scandium | 45-1 | 2645129 | 2427617 | 2624822 | 2565856 | 4.68 | cps |
| Scandium | 45-2 | 306727 | 303763 | 302313 | 304267 | 0.74 | cps |
| Selenium | 82-1 | 338 | 260 | 366 | 321 | 17.10 | cps |
| Selenium | 77-2 | 143 | 163 | 133 | 147 | 10.41 | cps |
| Selenium | 78-2 | 480 | 430 | 440 | 450 | 5.88 | cps |
| Silicon | 28-1 | 9757464 | 9863627 | 9934873 | 9851988 | 0.91 | cps |
| Silver | 107-1 | 2190 | 2324 | 2284 | 2266 | 3.02 | cps |
| Silver | 109-1 | 2064 | 2040 | 1933 | 2012 | 3.44 | cps |
| Sodium | 23-2 | 809253 | 803133 | 808592 | 806992 | 0.42 | cps |
| Strontium | 86-1 | 899617 | 920226 | 918220 | 912687 | 1.25 | cps |
| Strontium | 88-1 | 8204451 | 8410649 | 8410046 | 8341715 | 1.43 | cps |
| Sulfur | 34-1 | 104363 | 104454 | 104658 | 104492 | 0.14 | cps |
| Terbium | 159-1 | 6026253 | 5367199 | 5883435 | 5758962 | 6.02 | cps |
| Terbium | 159-2 | 3914911 | 3906480 | 3833005 | 3884799 | 1.16 | cps |
| Thallium | 203-1 | 1303 | 1270 | 1380 | 1318 | 4.28 | cps |
| Thallium | 205-1 | 3130 | 3254 | 3284 | 3223 | 2.52 | cps |
| Tin | 118-1 | 8059 | 8036 | 8306 | 8133 | 1.84 | cps |
| Titanium | 47-1 | 1361704 | 1366340 | 1360702 | 1362915 | 0.22 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-15 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE462 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:12:43 | DataFile Name : | 071SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 18646 | 19207 | 18730 | 18861 | 1.60 | cps |
| Vanadium | 51-2 | 485067 | 482807 | 489303 | 485726 | 0.68 | cps |
| Yttrium | 89-1 | 8270885 | 7607980 | 8202058 | 8026974 | 4.54 | cps |
| Yttrium | 89-2 | 2455505 | 2422379 | 2418206 | 2432030 | 0.84 | cps |
| Zinc | 66-2 | 104949 | 104133 | 104724 | 104602 | 0.40 | cps |
| Zirconium | 90-1 | 230202 | 234234 | 235182 | 233206 | 1.13 | cps |
| Zirconium | 91-1 | 51567 | 52112 | 52828 | 52169 | 1.21 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-16 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE463 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:15:53 | DataFile Name : | 072SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6088158 | 6086374 | 6034789 | 6069774 | 0.50 | cps |
| Antimony | 121-1 | 8829 | 8713 | 8613 | 8718 | 1.24 | cps |
| Arsenic | 75-2 | 27105 | 27589 | 27195 | 27296 | 0.94 | cps |
| Barium | 135-1 | 288607 | 290244 | 291376 | 290076 | 0.48 | cps |
| Barium | 137-1 | 495651 | 508850 | 518560 | 507687 | 2.26 | cps |
| Beryllium | 9-1 | 407 | 513 | 457 | 459 | 11.63 | cps |
| Bismuth | 209-1 | 3554481 | 3473772 | 3514543 | 3514266 | 1.15 | cps |
| Bismuth | 209-2 | 2687516 | 2713314 | 2639822 | 2680217 | 1.39 | cps |
| Bromine | 81-1 | 8242 | 8289 | 8029 | 8187 | 1.69 | cps |
| Bromine | 81-2 | 823 | 810 | 827 | 820 | 1.08 | cps |
| Cadmium | 108-1 | 117 | 217 | 127 | 153 | 35.92 | cps |
| Cadmium | 106-1 | 1437 | 1340 | 1260 | 1346 | 6.57 | cps |
| Cadmium | 111-1 | 1844 | 1610 | 1920 | 1791 | 9.03 | cps |
| Calcium | 43-1 | 253289 | 250817 | 250352 | 251486 | 0.63 | cps |
| Calcium | 44-1 | 3881294 | 3870974 | 3958749 | 3903672 | 1.23 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 371122 | 369035 | 366257 | 368804 | 0.66 | cps |
| Cobalt | 59-2 | 232542 | 226342 | 228664 | 229182 | 1.37 | cps |
| Copper | 63-2 | 683983 | 686815 | 684145 | 684981 | 0.23 | cps |
| Dysprosium | 156-1 | 21466 | 21914 | 22097 | 21826 | 1.49 | cps |
| Dysprosium | 156-2 | 18556 | 18332 | 18659 | 18516 | 0.90 | cps |
| Erbium | 164-1 | 20789 | 20295 | 20982 | 20689 | 1.71 | cps |
| Erbium | 164-2 | 14054 | 13960 | 13590 | 13868 | 1.77 | cps |
| Gadolinium | 160-1 | 21456 | 22178 | 22582 | 22072 | 2.58 | cps |
| Gadolinium | 160-2 | 15909 | 16033 | 15889 | 15944 | 0.49 | cps |
| Holmium | 165-1 | 5557170 | 5711542 | 5527126 | 5598612 | 1.77 | cps |
| Holmium | 165-2 | 3882218 | 3928732 | 3839536 | 3883495 | 1.15 | cps |
| Indium | 115-1 | 4550966 | 4614331 | 4520052 | 4561783 | 1.05 | cps |
| Indium | 115-2 | 1708861 | 1690245 | 1702542 | 1700549 | 0.56 | cps |
| Iron | 56-2 | 211290084 | 209954997 | 209820297 | 210355126 | 0.39 | cps |
| Iron | 57-2 | 5223895 | 5159339 | 5143897 | 5175710 | 0.82 | cps |
| Iron | 54-2 | 11763802 | 11603944 | 11459694 | 11609147 | 1.31 | cps |
| Krypton | 83-1 | 240 | 177 | 197 | 204 | 15.83 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-16 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE463 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:15:53 | DataFile Name : | 072SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 112171 | 112736 | 113586 | 112831 | 0.63 | cps |
| Lead | 207-1 | 96020 | 97862 | 100548 | 98143 | 2.32 | cps |
| Lead | 208-1 | 448492 | 454965 | 449526 | 450994 | 0.77 | cps |
| Lithium | 6-1 | 538221 | 534664 | 524386 | 532424 | 1.35 | cps |
| Magnesium | 24-2 | 6836041 | 6842378 | 6820751 | 6833057 | 0.16 | cps |
| Manganese | 55-2 | 3558456 | 3526852 | 3524995 | 3536768 | 0.53 | cps |
| Molybdenum | 94-1 | 30038 | 29570 | 29286 | 29631 | 1.28 | cps |
| Molybdenum | 95-1 | 2437 | 2540 | 2490 | 2489 | 2.08 | cps |
| Molybdenum | 96-1 | 9090 | 9226 | 9466 | 9261 | 2.06 | cps |
| Molybdenum | 97-1 | 1677 | 1627 | 1660 | 1655 | 1.54 | cps |
| Molybdenum | 98-1 | 3914 | 4087 | 4051 | 4017 | 2.27 | cps |
| Neodymium | 150-1 | 38212 | 38493 | 37724 | 38143 | 1.02 | cps |
| Neodymium | 150-2 | 22127 | 22024 | 21740 | 21964 | 0.91 | cps |
| Nickel | 60-2 | 117584 | 117684 | 116431 | 117233 | 0.59 | cps |
| Phosphorus | 31-2 | 13846 | 13960 | 13629 | 13812 | 1.22 | cps |
| Potassium | 39-2 | 2583812 | 2552121 | 2561474 | 2565802 | 0.63 | cps |
| Rhodium | 103-1 | 4248083 | 4194957 | 4160762 | 4201267 | 1.05 | cps |
| Rhodium | 103-2 | 2861572 | 2833816 | 2841957 | 2845781 | 0.50 | cps |
| Scandium | 45-1 | 2610486 | 2608356 | 2651126 | 2623323 | 0.92 | cps |
| Scandium | 45-2 | 302692 | 301535 | 296362 | 300196 | 1.12 | cps |
| Selenium | 82-1 | 266 | 362 | 323 | 317 | 15.15 | cps |
| Selenium | 77-2 | 80 | 97 | 70 | 82 | 16.39 | cps |
| Selenium | 78-2 | 450 | 397 | 447 | 431 | 6.93 | cps |
| Silicon | 28-1 | 8545359 | 8674892 | 8475432 | 8565228 | 1.18 | cps |
| Silver | 107-1 | 2170 | 2234 | 2180 | 2195 | 1.55 | cps |
| Silver | 109-1 | 2074 | 1990 | 2144 | 2069 | 3.71 | cps |
| Sodium | 23-2 | 220308 | 221365 | 218658 | 220110 | 0.62 | cps |
| Strontium | 86-1 | 121981 | 123184 | 123966 | 123044 | 0.81 | cps |
| Strontium | 88-1 | 1091179 | 1111832 | 1095070 | 1099360 | 1.00 | cps |
| Sulfur | 34-1 | 105004 | 105041 | 105276 | 105107 | 0.14 | cps |
| Terbium | 159-1 | 5791897 | 5819875 | 5902231 | 5838001 | 0.98 | cps |
| Terbium | 159-2 | 3886144 | 3891627 | 3853435 | 3877069 | 0.53 | cps |
| Thallium | 203-1 | 847 | 810 | 777 | 811 | 4.32 | cps |
| Thallium | 205-1 | 1870 | 1937 | 2010 | 1939 | 3.61 | cps |
| Tin | 118-1 | 6251 | 6275 | 6178 | 6235 | 0.81 | cps |
| Titanium | 47-1 | 640434 | 653158 | 653907 | 649166 | 1.17 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-16 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE463 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:15:53 | DataFile Name : | 072SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 8529 | 8396 | 8790 | 8572 | 2.34 | cps |
| Vanadium | 51-2 | 481023 | 482633 | 479934 | 481197 | 0.28 | cps |
| Yttrium | 89-1 | 8105240 | 7912518 | 7910920 | 7976226 | 1.40 | cps |
| Yttrium | 89-2 | 2380222 | 2352053 | 2349493 | 2360589 | 0.72 | cps |
| Zinc | 66-2 | 82593 | 82403 | 81172 | 82056 | 0.94 | cps |
| Zirconium | 90-1 | 74474 | 75778 | 74863 | 75038 | 0.89 | cps |
| Zirconium | 91-1 | 16526 | 16750 | 17150 | 16809 | 1.88 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-17 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE464 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:19:05 | DataFile Name : | 073SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5554047 | 5535976 | 5591142 | 5560388 | 0.51 | cps |
| Antimony | 121-1 | 13426 | 13593 | 13500 | 13506 | 0.62 | cps |
| Arsenic | 75-2 | 42882 | 42584 | 42407 | 42624 | 0.56 | cps |
| Barium | 135-1 | 595894 | 607038 | 597313 | 600082 | 1.01 | cps |
| Barium | 137-1 | 1022766 | 1038972 | 1037980 | 1033239 | 0.88 | cps |
| Beryllium | 9-1 | 820 | 760 | 850 | 810 | 5.66 | cps |
| Bismuth | 209-1 | 3667158 | 3313208 | 3533232 | 3504533 | 5.10 | cps |
| Bismuth | 209-2 | 2654446 | 2663297 | 2733094 | 2683612 | 1.61 | cps |
| Bromine | 81-1 | 7979 | 8052 | 8232 | 8088 | 1.61 | cps |
| Bromine | 81-2 | 737 | 827 | 783 | 782 | 5.75 | cps |
| Cadmium | 108-1 | 233 | 187 | 180 | 200 | 14.53 | cps |
| Cadmium | 106-1 | 1520 | 1307 | 1293 | 1373 | 9.26 | cps |
| Cadmium | 111-1 | 2668 | 2711 | 2610 | 2663 | 1.91 | cps |
| Calcium | 43-1 | 325062 | 332469 | 332138 | 329890 | 1.27 | cps |
| Calcium | 44-1 | 5052748 | 5230527 | 5139821 | 5141032 | 1.73 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 251277 | 251267 | 250257 | 250934 | 0.23 | cps |
| Cobalt | 59-2 | 166374 | 166159 | 164906 | 165813 | 0.48 | cps |
| Copper | 63-2 | 669425 | 670410 | 664228 | 668021 | 0.50 | cps |
| Dysprosium | 156-1 | 35956 | 36477 | 36083 | 36172 | 0.75 | cps |
| Dysprosium | 156-2 | 30904 | 30670 | 30400 | 30658 | 0.82 | cps |
| Erbium | 164-1 | 30814 | 30460 | 30410 | 30561 | 0.72 | cps |
| Erbium | 164-2 | 20455 | 20208 | 19978 | 20214 | 1.18 | cps |
| Gadolinium | 160-1 | 34285 | 34887 | 35121 | 34764 | 1.24 | cps |
| Gadolinium | 160-2 | 24996 | 24892 | 25533 | 25140 | 1.37 | cps |
| Holmium | 165-1 | 5880955 | 5280299 | 5693718 | 5618324 | 5.47 | cps |
| Holmium | 165-2 | 3906028 | 3875794 | 3853833 | 3878552 | 0.68 | cps |
| Indium | 115-1 | 4617657 | 4284729 | 4563781 | 4488722 | 3.98 | cps |
| Indium | 115-2 | 1703437 | 1690671 | 1680996 | 1691701 | 0.67 | cps |
| Iron | 56-2 | 205616144 | 205336297 | 205431004 | 205461148 | 0.07 | cps |
| Iron | 57-2 | 5089186 | 5125665 | 5078099 | 5097650 | 0.49 | cps |
| Iron | 54-2 | 11366134 | 11404182 | 11374349 | 11381555 | 0.18 | cps |
| Krypton | 83-1 | 233 | 197 | 253 | 228 | 12.62 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-17 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE464 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:19:05 | DataFile Name : | 073SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 211695 | 213927 | 213180 | 212934 | 0.53 | cps |
| Lead | 207-1 | 181926 | 185885 | 184048 | 183953 | 1.08 | cps |
| Lead | 208-1 | 830045 | 839713 | 839162 | 836307 | 0.65 | cps |
| Lithium | 6-1 | 557478 | 505198 | 535432 | 532703 | 4.93 | cps |
| Magnesium | 24-2 | 4770865 | 4758854 | 4754156 | 4761292 | 0.18 | cps |
| Manganese | 55-2 | 4786974 | 4737076 | 4785813 | 4769955 | 0.60 | cps |
| Molybdenum | 94-1 | 38681 | 40336 | 39610 | 39542 | 2.10 | cps |
| Molybdenum | 95-1 | 6968 | 7212 | 6862 | 7014 | 2.56 | cps |
| Molybdenum | 96-1 | 14711 | 15285 | 15211 | 15069 | 2.07 | cps |
| Molybdenum | 97-1 | 4554 | 4541 | 4274 | 4456 | 3.55 | cps |
| Molybdenum | 98-1 | 10737 | 11321 | 11074 | 11044 | 2.65 | cps |
| Neodymium | 150-1 | 66717 | 67520 | 67534 | 67257 | 0.70 | cps |
| Neodymium | 150-2 | 39268 | 40471 | 39726 | 39822 | 1.53 | cps |
| Nickel | 60-2 | 83876 | 83990 | 84141 | 84003 | 0.16 | cps |
| Phosphorus | 31-2 | 22707 | 22410 | 22614 | 22577 | 0.67 | cps |
| Potassium | 39-2 | 3820326 | 3754730 | 3760264 | 3778440 | 0.96 | cps |
| Rhodium | 103-1 | 4377811 | 4024805 | 4230082 | 4210899 | 4.21 | cps |
| Rhodium | 103-2 | 2833974 | 2807305 | 2876134 | 2839138 | 1.22 | cps |
| Scandium | 45-1 | 2659983 | 2480212 | 2608972 | 2583056 | 3.59 | cps |
| Scandium | 45-2 | 298575 | 301463 | 299085 | 299708 | 0.51 | cps |
| Selenium | 82-1 | 338 | 370 | 360 | 356 | 4.56 | cps |
| Selenium | 77-2 | 120 | 133 | 157 | 137 | 13.58 | cps |
| Selenium | 78-2 | 430 | 417 | 463 | 437 | 5.51 | cps |
| Silicon | 28-1 | 9927180 | 10188648 | 10241615 | 10119148 | 1.66 | cps |
| Silver | 107-1 | 4167 | 4361 | 4354 | 4294 | 2.56 | cps |
| Silver | 109-1 | 4104 | 4204 | 3934 | 4081 | 3.35 | cps |
| Sodium | 23-2 | 629173 | 630948 | 627862 | 629328 | 0.25 | cps |
| Strontium | 86-1 | 281376 | 290177 | 288849 | 286801 | 1.65 | cps |
| Strontium | 88-1 | 2601534 | 2648588 | 2622822 | 2624314 | 0.90 | cps |
| Sulfur | 34-1 | 117836 | 117759 | 116093 | 117230 | 0.84 | cps |
| Terbium | 159-1 | 5990182 | 5460633 | 5893387 | 5781401 | 4.88 | cps |
| Terbium | 159-2 | 3898800 | 3933500 | 3820425 | 3884241 | 1.49 | cps |
| Thallium | 203-1 | 1947 | 1697 | 1833 | 1826 | 6.86 | cps |
| Thallium | 205-1 | 4387 | 4261 | 4331 | 4326 | 1.47 | cps |
| Tin | 118-1 | 10380 | 11305 | 10781 | 10822 | 4.29 | cps |
| Titanium | 47-1 | 630310 | 645616 | 643368 | 639764 | 1.29 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-17 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE464 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:19:05 | DataFile Name : | 073SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14368 | 14034 | 14688 | 14363 | 2.28 | cps |
| Vanadium | 51-2 | 408956 | 409145 | 411982 | 410028 | 0.41 | cps |
| Yttrium | 89-1 | 8213877 | 7649241 | 8118803 | 7993973 | 3.78 | cps |
| Yttrium | 89-2 | 2416315 | 2376864 | 2413576 | 2402252 | 0.92 | cps |
| Zinc | 66-2 | 124753 | 124446 | 123351 | 124183 | 0.59 | cps |
| Zirconium | 90-1 | 94696 | 98813 | 95827 | 96445 | 2.21 | cps |
| Zirconium | 91-1 | 21449 | 21362 | 21820 | 21544 | 1.13 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-18 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE465 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:22:16 | DataFile Name : | 074SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6546567 | 6482808 | 6528537 | 6519304 | 0.50 | cps |
| Antimony | 121-1 | 7929 | 8212 | 8529 | 8224 | 3.65 | cps |
| Arsenic | 75-2 | 35372 | 35041 | 34978 | 35130 | 0.60 | cps |
| Barium | 135-1 | 647939 | 661478 | 663681 | 657699 | 1.30 | cps |
| Barium | 137-1 | 1117603 | 1141291 | 1149158 | 1136018 | 1.45 | cps |
| Beryllium | 9-1 | 917 | 970 | 830 | 906 | 7.80 | cps |
| Bismuth | 209-1 | 3580892 | 3581100 | 3568009 | 3576667 | 0.21 | cps |
| Bismuth | 209-2 | 2625848 | 2655153 | 2652589 | 2644530 | 0.61 | cps |
| Bromine | 81-1 | 7705 | 7889 | 8056 | 7883 | 2.22 | cps |
| Bromine | 81-2 | 777 | 823 | 760 | 787 | 4.17 | cps |
| Cadmium | 108-1 | 227 | 220 | 277 | 241 | 12.85 | cps |
| Cadmium | 106-1 | 1583 | 1483 | 1370 | 1479 | 7.22 | cps |
| Cadmium | 111-1 | 2750 | 2801 | 2529 | 2693 | 5.37 | cps |
| Calcium | 43-1 | 378150 | 384286 | 386542 | 382993 | 1.13 | cps |
| Calcium | 44-1 | 5895377 | 6087123 | 6015355 | 5999285 | 1.61 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 259396 | 261535 | 261701 | 260877 | 0.49 | cps |
| Cobalt | 59-2 | 204874 | 204714 | 204633 | 204740 | 0.06 | cps |
| Copper | 63-2 | 746203 | 736169 | 739923 | 740765 | 0.68 | cps |
| Dysprosium | 156-1 | 39144 | 40391 | 39572 | 39703 | 1.60 | cps |
| Dysprosium | 156-2 | 34723 | 34526 | 35181 | 34810 | 0.97 | cps |
| Erbium | 164-1 | 31980 | 32200 | 31759 | 31980 | 0.69 | cps |
| Erbium | 164-2 | 21810 | 21510 | 21687 | 21669 | 0.70 | cps |
| Gadolinium | 160-1 | 36996 | 38169 | 38382 | 37849 | 1.97 | cps |
| Gadolinium | 160-2 | 27220 | 27500 | 28212 | 27644 | 1.85 | cps |
| Holmium | 165-1 | 5886902 | 5705346 | 5732988 | 5775079 | 1.69 | cps |
| Holmium | 165-2 | 3925910 | 3822227 | 3868798 | 3872312 | 1.34 | cps |
| Indium | 115-1 | 4543558 | 4586325 | 4502135 | 4544006 | 0.93 | cps |
| Indium | 115-2 | 1684838 | 1673250 | 1694692 | 1684260 | 0.64 | cps |
| Iron | 56-2 | 210156904 | 209567837 | 207669997 | 209131579 | 0.62 | cps |
| Iron | 57-2 | 5268440 | 5157637 | 5184134 | 5203404 | 1.11 | cps |
| Iron | 54-2 | 11542240 | 11534664 | 11527818 | 11534907 | 0.06 | cps |
| Krypton | 83-1 | 223 | 217 | 247 | 229 | 6.88 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-18 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE465 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:22:16 | DataFile Name : | 074SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 213725 | 215545 | 217208 | 215493 | 0.81 | cps |
| Lead | 207-1 | 183395 | 186814 | 188871 | 186360 | 1.48 | cps |
| Lead | 208-1 | 839531 | 853278 | 855931 | 849580 | 1.04 | cps |
| Lithium | 6-1 | 547505 | 542932 | 532453 | 540963 | 1.43 | cps |
| Magnesium | 24-2 | 5371910 | 5362930 | 5347926 | 5360922 | 0.23 | cps |
| Manganese | 55-2 | 5008527 | 4968395 | 4960193 | 4979039 | 0.52 | cps |
| Molybdenum | 94-1 | 53738 | 54427 | 55294 | 54486 | 1.43 | cps |
| Molybdenum | 95-1 | 4404 | 4667 | 4697 | 4590 | 3.52 | cps |
| Molybdenum | 96-1 | 14954 | 15505 | 15702 | 15387 | 2.52 | cps |
| Molybdenum | 97-1 | 2830 | 2987 | 2910 | 2909 | 2.69 | cps |
| Molybdenum | 98-1 | 7095 | 7625 | 7509 | 7410 | 3.76 | cps |
| Neodymium | 150-1 | 75370 | 77337 | 77116 | 76608 | 1.41 | cps |
| Neodymium | 150-2 | 45864 | 44858 | 45142 | 45288 | 1.15 | cps |
| Nickel | 60-2 | 109376 | 108704 | 109268 | 109116 | 0.33 | cps |
| Phosphorus | 31-2 | 31963 | 32267 | 32802 | 32344 | 1.31 | cps |
| Potassium | 39-2 | 3620570 | 3590593 | 3587516 | 3599560 | 0.51 | cps |
| Rhodium | 103-1 | 4255750 | 4224327 | 4225819 | 4235299 | 0.42 | cps |
| Rhodium | 103-2 | 2825061 | 2809007 | 2820201 | 2818090 | 0.29 | cps |
| Scandium | 45-1 | 2641989 | 2617114 | 2604418 | 2621174 | 0.73 | cps |
| Scandium | 45-2 | 299734 | 299050 | 301138 | 299974 | 0.35 | cps |
| Selenium | 82-1 | 377 | 333 | 327 | 346 | 7.82 | cps |
| Selenium | 77-2 | 163 | 170 | 150 | 161 | 6.32 | cps |
| Selenium | 78-2 | 523 | 443 | 480 | 482 | 8.30 | cps |
| Silicon | 28-1 | 12067860 | 12260760 | 12467433 | 12265351 | 1.63 | cps |
| Silver | 107-1 | 3477 | 3851 | 3864 | 3731 | 5.89 | cps |
| Silver | 109-1 | 3590 | 3517 | 3604 | 3570 | 1.31 | cps |
| Sodium | 23-2 | 209899 | 207730 | 210290 | 209306 | 0.66 | cps |
| Strontium | 86-1 | 581039 | 591572 | 593583 | 588731 | 1.14 | cps |
| Strontium | 88-1 | 5374693 | 5422032 | 5428608 | 5408444 | 0.54 | cps |
| Sulfur | 34-1 | 107709 | 107253 | 105776 | 106913 | 0.95 | cps |
| Terbium | 159-1 | 5931185 | 5801924 | 5898926 | 5877345 | 1.14 | cps |
| Terbium | 159-2 | 3794343 | 3852308 | 3839483 | 3828712 | 0.80 | cps |
| Thallium | 203-1 | 1543 | 1577 | 1590 | 1570 | 1.53 | cps |
| Thallium | 205-1 | 3774 | 3641 | 3651 | 3688 | 2.01 | cps |
| Tin | 118-1 | 9006 | 9723 | 9567 | 9432 | 4.00 | cps |
| Titanium | 47-1 | 813615 | 830715 | 842308 | 828879 | 1.74 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-18 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE465 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:22:16 | DataFile Name : | 074SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 15459 | 15990 | 15743 | 15730 | 1.69 | cps |
| Vanadium | 51-2 | 420021 | 417896 | 418165 | 418694 | 0.28 | cps |
| Yttrium | 89-1 | 8153005 | 8125308 | 8245682 | 8174665 | 0.77 | cps |
| Yttrium | 89-2 | 2402589 | 2388797 | 2389743 | 2393710 | 0.32 | cps |
| Zinc | 66-2 | 117209 | 116406 | 116060 | 116559 | 0.51 | cps |
| Zirconium | 90-1 | 138351 | 141244 | 142313 | 140636 | 1.46 | cps |
| Zirconium | 91-1 | 30295 | 31744 | 32175 | 31405 | 3.14 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-19 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE466 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:25:25 | DataFile Name : | 075SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5071221 | 5037203 | 5065760 | 5058061 | 0.36 | cps |
| Antimony | 121-1 | 11772 | 12045 | 11738 | 11852 | 1.42 | cps |
| Arsenic | 75-2 | 35001 | 34273 | 34694 | 34656 | 1.06 | cps |
| Barium | 135-1 | 506930 | 514853 | 514713 | 512165 | 0.89 | cps |
| Barium | 137-1 | 878367 | 890857 | 898575 | 889267 | 1.15 | cps |
| Beryllium | 9-1 | 760 | 797 | 817 | 791 | 3.63 | cps |
| Bismuth | 209-1 | 3578519 | 3503658 | 3562848 | 3548342 | 1.11 | cps |
| Bismuth | 209-2 | 2697089 | 2677443 | 2686475 | 2687003 | 0.37 | cps |
| Bromine | 81-1 | 7675 | 7599 | 7749 | 7674 | 0.98 | cps |
| Bromine | 81-2 | 647 | 670 | 650 | 656 | 1.92 | cps |
| Cadmium | 108-1 | 253 | 260 | 243 | 252 | 3.33 | cps |
| Cadmium | 106-1 | 1490 | 1457 | 1370 | 1439 | 4.31 | cps |
| Cadmium | 111-1 | 3546 | 3475 | 3376 | 3465 | 2.47 | cps |
| Calcium | 43-1 | 212298 | 215322 | 214709 | 214109 | 0.75 | cps |
| Calcium | 44-1 | 3348809 | 3432747 | 3350997 | 3377518 | 1.42 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 227914 | 228802 | 226401 | 227706 | 0.53 | cps |
| Cobalt | 59-2 | 162273 | 163447 | 161545 | 162422 | 0.59 | cps |
| Copper | 63-2 | 910772 | 913666 | 910654 | 911697 | 0.19 | cps |
| Dysprosium | 156-1 | 33326 | 34750 | 34930 | 34335 | 2.56 | cps |
| Dysprosium | 156-2 | 29458 | 30486 | 30687 | 30210 | 2.18 | cps |
| Erbium | 164-1 | 27864 | 29110 | 28877 | 28617 | 2.31 | cps |
| Erbium | 164-2 | 18779 | 18669 | 19040 | 18829 | 1.01 | cps |
| Gadolinium | 160-1 | 32708 | 33704 | 34018 | 33477 | 2.04 | cps |
| Gadolinium | 160-2 | 23580 | 24318 | 24642 | 24180 | 2.25 | cps |
| Holmium | 165-1 | 5875807 | 5723075 | 5730166 | 5776349 | 1.49 | cps |
| Holmium | 165-2 | 3851126 | 3815745 | 3919143 | 3862005 | 1.36 | cps |
| Indium | 115-1 | 4656609 | 4524542 | 4556912 | 4579354 | 1.50 | cps |
| Indium | 115-2 | 1709304 | 1693292 | 1696228 | 1699608 | 0.50 | cps |
| Iron | 56-2 | 190536937 | 188647544 | 189014671 | 189399717 | 0.53 | cps |
| Iron | 57-2 | 4697187 | 4679523 | 4648563 | 4675091 | 0.53 | cps |
| Iron | 54-2 | 10548253 | 10474120 | 10452746 | 10491706 | 0.48 | cps |
| Krypton | 83-1 | 210 | 177 | 213 | 200 | 10.14 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-19 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE466 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:25:25 | DataFile Name : | 075SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 258491 | 260696 | 260543 | 259910 | 0.47 | cps |
| Lead | 207-1 | 222531 | 229204 | 226126 | 225954 | 1.48 | cps |
| Lead | 208-1 | 1017460 | 1034335 | 1027423 | 1026406 | 0.83 | cps |
| Lithium | 6-1 | 540759 | 545401 | 531536 | 539232 | 1.31 | cps |
| Magnesium | 24-2 | 4116636 | 4055632 | 4047095 | 4073121 | 0.93 | cps |
| Manganese | 55-2 | 3804324 | 3755308 | 3761205 | 3773612 | 0.71 | cps |
| Molybdenum | 94-1 | 34354 | 35323 | 34751 | 34809 | 1.40 | cps |
| Molybdenum | 95-1 | 4911 | 5311 | 4851 | 5024 | 4.98 | cps |
| Molybdenum | 96-1 | 12102 | 11875 | 12479 | 12152 | 2.51 | cps |
| Molybdenum | 97-1 | 2954 | 3124 | 3127 | 3068 | 3.23 | cps |
| Molybdenum | 98-1 | 7879 | 7859 | 7695 | 7811 | 1.29 | cps |
| Neodymium | 150-1 | 66764 | 66931 | 66610 | 66768 | 0.24 | cps |
| Neodymium | 150-2 | 38900 | 39107 | 39138 | 39048 | 0.33 | cps |
| Nickel | 60-2 | 78755 | 79033 | 78487 | 78759 | 0.35 | cps |
| Phosphorus | 31-2 | 25127 | 25298 | 24286 | 24904 | 2.17 | cps |
| Potassium | 39-2 | 3735295 | 3715414 | 3703941 | 3718216 | 0.43 | cps |
| Rhodium | 103-1 | 4285928 | 4271997 | 4193150 | 4250358 | 1.18 | cps |
| Rhodium | 103-2 | 2836535 | 2883521 | 2851940 | 2857332 | 0.84 | cps |
| Scandium | 45-1 | 2606814 | 2610360 | 2552089 | 2589754 | 1.26 | cps |
| Scandium | 45-2 | 299846 | 295939 | 295271 | 297019 | 0.83 | cps |
| Selenium | 82-1 | 388 | 413 | 394 | 398 | 3.39 | cps |
| Selenium | 77-2 | 120 | 163 | 193 | 159 | 23.21 | cps |
| Selenium | 78-2 | 487 | 517 | 433 | 479 | 8.81 | cps |
| Silicon | 28-1 | 11554604 | 11815805 | 11781621 | 11717344 | 1.21 | cps |
| Silver | 107-1 | 4431 | 4651 | 4497 | 4526 | 2.49 | cps |
| Silver | 109-1 | 4147 | 4374 | 4277 | 4266 | 2.67 | cps |
| Sodium | 23-2 | 180441 | 181092 | 182724 | 181419 | 0.65 | cps |
| Strontium | 86-1 | 191248 | 194153 | 192499 | 192633 | 0.76 | cps |
| Strontium | 88-1 | 1737429 | 1796893 | 1771203 | 1768508 | 1.69 | cps |
| Sulfur | 34-1 | 110831 | 107877 | 108797 | 109168 | 1.38 | cps |
| Terbium | 159-1 | 5964589 | 5914961 | 5838858 | 5906136 | 1.07 | cps |
| Terbium | 159-2 | 3848759 | 3843633 | 3912902 | 3868431 | 1.00 | cps |
| Thallium | 203-1 | 1387 | 1587 | 1493 | 1489 | 6.72 | cps |
| Thallium | 205-1 | 3701 | 3917 | 3577 | 3732 | 4.61 | cps |
| Tin | 118-1 | 10067 | 9857 | 10024 | 9982 | 1.11 | cps |
| Titanium | 47-1 | 669098 | 689063 | 683670 | 680610 | 1.52 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-19 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE466 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:25:25 | DataFile Name : | 075SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 16237 | 17381 | 16137 | 16585 | 4.17 | cps |
| Vanadium | 51-2 | 377940 | 373040 | 372332 | 374437 | 0.82 | cps |
| Yttrium | 89-1 | 8139572 | 8108549 | 8014552 | 8087558 | 0.80 | cps |
| Yttrium | 89-2 | 2418516 | 2380500 | 2400926 | 2399980 | 0.79 | cps |
| Zinc | 66-2 | 137913 | 137113 | 137328 | 137451 | 0.30 | cps |
| Zirconium | 90-1 | 85919 | 86979 | 85853 | 86250 | 0.73 | cps |
| Zirconium | 91-1 | 18572 | 19480 | 19410 | 19154 | 2.64 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE467 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:28:35 | DataFile Name : | 076SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5437763 | 5416791 | 5394825 | 5416460 | 0.40 | cps |
| Antimony | 121-1 | 8836 | 8786 | 9126 | 8916 | 2.06 | cps |
| Arsenic | 75-2 | 33434 | 33130 | 33210 | 33258 | 0.47 | cps |
| Barium | 135-1 | 588660 | 605390 | 605206 | 599752 | 1.60 | cps |
| Barium | 137-1 | 1030886 | 1042483 | 1048091 | 1040487 | 0.84 | cps |
| Beryllium | 9-1 | 787 | 737 | 747 | 757 | 3.50 | cps |
| Bismuth | 209-1 | 3522764 | 3518622 | 3509319 | 3516902 | 0.20 | cps |
| Bismuth | 209-2 | 2656523 | 2657505 | 2667703 | 2660577 | 0.23 | cps |
| Bromine | 81-1 | 6662 | 7002 | 7098 | 6921 | 3.32 | cps |
| Bromine | 81-2 | 577 | 603 | 570 | 583 | 3.02 | cps |
| Cadmium | 108-1 | 183 | 153 | 163 | 167 | 9.16 | cps |
| Cadmium | 106-1 | 1313 | 1493 | 1327 | 1378 | 7.28 | cps |
| Cadmium | 111-1 | 2104 | 2288 | 2288 | 2227 | 4.76 | cps |
| Calcium | 43-1 | 271374 | 278496 | 280020 | 276630 | 1.67 | cps |
| Calcium | 44-1 | 4246753 | 4423910 | 4405904 | 4358856 | 2.24 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 230377 | 226531 | 229450 | 228786 | 0.88 | cps |
| Cobalt | 59-2 | 162769 | 161374 | 161833 | 161992 | 0.44 | cps |
| Copper | 63-2 | 563205 | 561164 | 559823 | 561397 | 0.30 | cps |
| Dysprosium | 156-1 | 35959 | 36110 | 36942 | 36337 | 1.46 | cps |
| Dysprosium | 156-2 | 31262 | 31539 | 31141 | 31314 | 0.65 | cps |
| Erbium | 164-1 | 29451 | 29758 | 30276 | 29829 | 1.40 | cps |
| Erbium | 164-2 | 20325 | 20245 | 19944 | 20171 | 0.99 | cps |
| Gadolinium | 160-1 | 33998 | 34553 | 34857 | 34469 | 1.26 | cps |
| Gadolinium | 160-2 | 24638 | 25196 | 24839 | 24891 | 1.13 | cps |
| Holmium | 165-1 | 5749687 | 5706471 | 5671586 | 5709248 | 0.69 | cps |
| Holmium | 165-2 | 3803621 | 3871257 | 3939578 | 3871485 | 1.76 | cps |
| Indium | 115-1 | 4493880 | 4553941 | 4469410 | 4505744 | 0.97 | cps |
| Indium | 115-2 | 1636946 | 1695971 | 1724331 | 1685750 | 2.64 | cps |
| Iron | 56-2 | 182624231 | 181049131 | 182166877 | 181946746 | 0.45 | cps |
| Iron | 57-2 | 4503979 | 4564640 | 4524726 | 4531115 | 0.68 | cps |
| Iron | 54-2 | 9980656 | 10088105 | 9977339 | 10015367 | 0.63 | cps |
| Krypton | 83-1 | 247 | 203 | 173 | 208 | 17.74 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE467 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:28:35 | DataFile Name : | 076SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 178743 | 181521 | 181407 | 180557 | 0.87 | cps |
| Lead | 207-1 | 151615 | 155779 | 155009 | 154134 | 1.44 | cps |
| Lead | 208-1 | 696444 | 709273 | 708658 | 704792 | 1.03 | cps |
| Lithium | 6-1 | 533353 | 528099 | 516378 | 525943 | 1.65 | cps |
| Magnesium | 24-2 | 4111470 | 4130391 | 4136546 | 4126136 | 0.32 | cps |
| Manganese | 55-2 | 4240621 | 4319135 | 4279592 | 4279783 | 0.92 | cps |
| Molybdenum | 94-1 | 46373 | 47754 | 46841 | 46990 | 1.49 | cps |
| Molybdenum | 95-1 | 5051 | 5161 | 5094 | 5102 | 1.09 | cps |
| Molybdenum | 96-1 | 13943 | 14431 | 14931 | 14435 | 3.42 | cps |
| Molybdenum | 97-1 | 3060 | 3107 | 3007 | 3058 | 1.64 | cps |
| Molybdenum | 98-1 | 7949 | 7635 | 8099 | 7894 | 3.00 | cps |
| Neodymium | 150-1 | 66623 | 68783 | 69608 | 68338 | 2.26 | cps |
| Neodymium | 150-2 | 40943 | 40551 | 40254 | 40583 | 0.85 | cps |
| Nickel | 60-2 | 77368 | 76668 | 76762 | 76933 | 0.49 | cps |
| Phosphorus | 31-2 | 17961 | 18665 | 18358 | 18328 | 1.93 | cps |
| Potassium | 39-2 | 3185494 | 3164709 | 3170621 | 3173608 | 0.34 | cps |
| Rhodium | 103-1 | 4282489 | 4159814 | 4232485 | 4224929 | 1.46 | cps |
| Rhodium | 103-2 | 2732195 | 2818359 | 2824920 | 2791825 | 1.85 | cps |
| Scandium | 45-1 | 2596178 | 2573363 | 2571191 | 2580244 | 0.54 | cps |
| Scandium | 45-2 | 292397 | 296743 | 296280 | 295140 | 0.81 | cps |
| Selenium | 82-1 | 281 | 320 | 380 | 327 | 15.29 | cps |
| Selenium | 77-2 | 150 | 110 | 120 | 127 | 16.43 | cps |
| Selenium | 78-2 | 413 | 363 | 467 | 414 | 12.47 | cps |
| Silicon | 28-1 | 11408206 | 11539885 | 11587054 | 11511715 | 0.81 | cps |
| Silver | 107-1 | 2690 | 2867 | 3004 | 2854 | 5.51 | cps |
| Silver | 109-1 | 2517 | 2674 | 2747 | 2646 | 4.44 | cps |
| Sodium | 23-2 | 157968 | 156901 | 157049 | 157306 | 0.37 | cps |
| Strontium | 86-1 | 183429 | 188211 | 187619 | 186420 | 1.40 | cps |
| Strontium | 88-1 | 1652448 | 1678914 | 1725199 | 1685520 | 2.18 | cps |
| Sulfur | 34-1 | 102339 | 101011 | 99206 | 100852 | 1.56 | cps |
| Terbium | 159-1 | 5886007 | 5918998 | 5845449 | 5883485 | 0.63 | cps |
| Terbium | 159-2 | 3802774 | 3865640 | 3940147 | 3869520 | 1.78 | cps |
| Thallium | 203-1 | 1437 | 1537 | 1473 | 1482 | 3.41 | cps |
| Thallium | 205-1 | 3400 | 3550 | 3727 | 3559 | 4.60 | cps |
| Tin | 118-1 | 8803 | 8870 | 8569 | 8747 | 1.80 | cps |
| Titanium | 47-1 | 700074 | 710115 | 721326 | 710505 | 1.50 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE467 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:28:35 | DataFile Name : | 076SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14905 | 15830 | 15409 | 15381 | 3.01 | cps |
| Vanadium | 51-2 | 365521 | 364313 | 363327 | 364387 | 0.30 | cps |
| Yttrium | 89-1 | 8091335 | 8061323 | 8044026 | 8065561 | 0.30 | cps |
| Yttrium | 89-2 | 2391617 | 2379766 | 2395302 | 2388895 | 0.34 | cps |
| Zinc | 66-2 | 99311 | 99844 | 99519 | 99558 | 0.27 | cps |
| Zirconium | 90-1 | 118505 | 120298 | 121942 | 120248 | 1.43 | cps |
| Zirconium | 91-1 | 26254 | 26594 | 27522 | 26790 | 2.45 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-21 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE468 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:31:46 | DataFile Name : | 077SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5979351 | 5976286 | 6023786 | 5993141 | 0.44 | cps |
| Antimony | 121-1 | 7769 | 8499 | 8096 | 8121 | 4.51 | cps |
| Arsenic | 75-2 | 32228 | 31554 | 31791 | 31858 | 1.07 | cps |
| Barium | 135-1 | 642148 | 646535 | 647814 | 645499 | 0.46 | cps |
| Barium | 137-1 | 1083693 | 1111899 | 1115405 | 1103666 | 1.58 | cps |
| Beryllium | 9-1 | 820 | 777 | 853 | 817 | 4.71 | cps |
| Bismuth | 209-1 | 3550381 | 3534502 | 3464719 | 3516534 | 1.30 | cps |
| Bismuth | 209-2 | 2609962 | 2612072 | 2675389 | 2632475 | 1.41 | cps |
| Bromine | 81-1 | 7769 | 7705 | 8116 | 7863 | 2.81 | cps |
| Bromine | 81-2 | 740 | 797 | 747 | 761 | 4.07 | cps |
| Cadmium | 108-1 | 170 | 153 | 113 | 146 | 20.01 | cps |
| Cadmium | 106-1 | 1213 | 1267 | 1457 | 1312 | 9.75 | cps |
| Cadmium | 111-1 | 2004 | 2153 | 2240 | 2132 | 5.61 | cps |
| Calcium | 43-1 | 207919 | 211937 | 211589 | 210481 | 1.06 | cps |
| Calcium | 44-1 | 3280485 | 3324062 | 3360047 | 3321532 | 1.20 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 270062 | 268977 | 267888 | 268976 | 0.40 | cps |
| Cobalt | 59-2 | 195741 | 195440 | 195510 | 195564 | 0.08 | cps |
| Copper | 63-2 | 578214 | 580575 | 579275 | 579355 | 0.20 | cps |
| Dysprosium | 156-1 | 40909 | 42096 | 41839 | 41615 | 1.50 | cps |
| Dysprosium | 156-2 | 36050 | 34970 | 35869 | 35630 | 1.62 | cps |
| Erbium | 164-1 | 34138 | 34706 | 34038 | 34294 | 1.05 | cps |
| Erbium | 164-2 | 22248 | 23029 | 22809 | 22695 | 1.77 | cps |
| Gadolinium | 160-1 | 39920 | 40913 | 40605 | 40479 | 1.26 | cps |
| Gadolinium | 160-2 | 29194 | 29685 | 29641 | 29507 | 0.92 | cps |
| Holmium | 165-1 | 5658585 | 5697550 | 5644459 | 5666864 | 0.49 | cps |
| Holmium | 165-2 | 3848133 | 3768698 | 3868874 | 3828568 | 1.38 | cps |
| Indium | 115-1 | 4581995 | 4588844 | 4528070 | 4566303 | 0.73 | cps |
| Indium | 115-2 | 1702278 | 1699400 | 1691819 | 1697832 | 0.32 | cps |
| Iron | 56-2 | 201805524 | 202674717 | 201800144 | 202093461 | 0.25 | cps |
| Iron | 57-2 | 5074527 | 5053442 | 4988365 | 5038778 | 0.89 | cps |
| Iron | 54-2 | 11282858 | 11125601 | 11150186 | 11186215 | 0.76 | cps |
| Krypton | 83-1 | 207 | 227 | 227 | 220 | 5.25 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-21 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE468 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:31:46 | DataFile Name : | 077SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 162654 | 163335 | 162877 | 162955 | 0.21 | cps |
| Lead | 207-1 | 135498 | 137149 | 138465 | 137037 | 1.08 | cps |
| Lead | 208-1 | 623330 | 636667 | 635246 | 631748 | 1.16 | cps |
| Lithium | 6-1 | 522654 | 519413 | 516548 | 519538 | 0.59 | cps |
| Magnesium | 24-2 | 4645654 | 4631223 | 4594643 | 4623840 | 0.57 | cps |
| Manganese | 55-2 | 4594982 | 4581966 | 4487278 | 4554742 | 1.29 | cps |
| Molybdenum | 94-1 | 24507 | 25202 | 25519 | 25076 | 2.06 | cps |
| Molybdenum | 95-1 | 5955 | 6085 | 6131 | 6057 | 1.51 | cps |
| Molybdenum | 96-1 | 11588 | 11892 | 11818 | 11766 | 1.35 | cps |
| Molybdenum | 97-1 | 3777 | 3510 | 3701 | 3663 | 3.75 | cps |
| Molybdenum | 98-1 | 9416 | 9530 | 9280 | 9409 | 1.33 | cps |
| Neodymium | 150-1 | 77538 | 77233 | 78655 | 77809 | 0.96 | cps |
| Neodymium | 150-2 | 46052 | 45540 | 45042 | 45544 | 1.11 | cps |
| Nickel | 60-2 | 84939 | 86246 | 86645 | 85943 | 1.04 | cps |
| Phosphorus | 31-2 | 20651 | 20671 | 20280 | 20534 | 1.07 | cps |
| Potassium | 39-2 | 4112941 | 4048236 | 4079239 | 4080139 | 0.79 | cps |
| Rhodium | 103-1 | 4247030 | 4229433 | 4217748 | 4231404 | 0.35 | cps |
| Rhodium | 103-2 | 2866976 | 2858273 | 2831254 | 2852168 | 0.65 | cps |
| Scandium | 45-1 | 2631156 | 2659409 | 2632642 | 2641069 | 0.60 | cps |
| Scandium | 45-2 | 302773 | 301534 | 300672 | 301660 | 0.35 | cps |
| Selenium | 82-1 | 406 | 342 | 347 | 365 | 9.63 | cps |
| Selenium | 77-2 | 150 | 193 | 97 | 147 | 33.01 | cps |
| Selenium | 78-2 | 400 | 397 | 403 | 400 | 0.83 | cps |
| Silicon | 28-1 | 11016738 | 11116288 | 10945452 | 11026159 | 0.78 | cps |
| Silver | 107-1 | 2584 | 2617 | 2660 | 2620 | 1.47 | cps |
| Silver | 109-1 | 2454 | 2320 | 2427 | 2400 | 2.94 | cps |
| Sodium | 23-2 | 149026 | 149700 | 148418 | 149048 | 0.43 | cps |
| Strontium | 86-1 | 165372 | 170173 | 171011 | 168852 | 1.80 | cps |
| Strontium | 88-1 | 1532326 | 1548419 | 1568194 | 1549646 | 1.16 | cps |
| Sulfur | 34-1 | 100135 | 98562 | 98545 | 99081 | 0.92 | cps |
| Terbium | 159-1 | 5862104 | 5879792 | 5839084 | 5860327 | 0.35 | cps |
| Terbium | 159-2 | 3843821 | 3837117 | 3834526 | 3838488 | 0.12 | cps |
| Thallium | 203-1 | 1463 | 1477 | 1600 | 1513 | 4.98 | cps |
| Thallium | 205-1 | 3624 | 3791 | 3901 | 3772 | 3.69 | cps |
| Tin | 118-1 | 8302 | 8049 | 8002 | 8118 | 1.99 | cps |
| Titanium | 47-1 | 620915 | 643180 | 634575 | 632890 | 1.77 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-21 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE468 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:31:46 | DataFile Name : | 077SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 19404 | 19615 | 19461 | 19493 | 0.56 | cps |
| Vanadium | 51-2 | 396273 | 394718 | 393731 | 394907 | 0.32 | cps |
| Yttrium | 89-1 | 8198895 | 8193402 | 8165835 | 8186044 | 0.22 | cps |
| Yttrium | 89-2 | 2459907 | 2452196 | 2397160 | 2436421 | 1.40 | cps |
| Zinc | 66-2 | 110710 | 109622 | 108014 | 109449 | 1.24 | cps |
| Zirconium | 90-1 | 58141 | 59819 | 59008 | 58989 | 1.42 | cps |
| Zirconium | 91-1 | 12646 | 13059 | 13253 | 12986 | 2.39 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-22 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE469 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:34:58 | DataFile Name : | 078SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 8323716 | 8389206 | 8272785 | 8328569 | 0.70 | cps |
| Antimony | 121-1 | 8146 | 8279 | 8553 | 8326 | 2.49 | cps |
| Arsenic | 75-2 | 46008 | 44811 | 44640 | 45153 | 1.65 | cps |
| Barium | 135-1 | 944407 | 957673 | 955074 | 952385 | 0.74 | cps |
| Barium | 137-1 | 1779402 | 1799586 | 1795510 | 1791499 | 0.60 | cps |
| Beryllium | 9-1 | 1133 | 1150 | 1200 | 1161 | 2.99 | cps |
| Bismuth | 209-1 | 3522910 | 3484699 | 3366570 | 3458059 | 2.36 | cps |
| Bismuth | 209-2 | 2659497 | 2679154 | 2643226 | 2660625 | 0.68 | cps |
| Bromine | 81-1 | 8709 | 8986 | 9226 | 8974 | 2.88 | cps |
| Bromine | 81-2 | 1030 | 943 | 977 | 983 | 4.45 | cps |
| Cadmium | 108-1 | 197 | 230 | 190 | 206 | 10.43 | cps |
| Cadmium | 106-1 | 1537 | 1343 | 1417 | 1432 | 6.81 | cps |
| Cadmium | 111-1 | 2482 | 2470 | 2362 | 2438 | 2.70 | cps |
| Calcium | 43-1 | 354065 | 359682 | 358644 | 357464 | 0.84 | cps |
| Calcium | 44-1 | 5599282 | 5548965 | 5588260 | 5578835 | 0.47 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 317898 | 315794 | 315131 | 316274 | 0.46 | cps |
| Cobalt | 59-2 | 217143 | 217136 | 216037 | 216772 | 0.29 | cps |
| Copper | 63-2 | 756793 | 749848 | 743002 | 749881 | 0.92 | cps |
| Dysprosium | 156-1 | 45176 | 45741 | 45460 | 45459 | 0.62 | cps |
| Dysprosium | 156-2 | 39920 | 40348 | 39452 | 39907 | 1.12 | cps |
| Erbium | 164-1 | 38623 | 38586 | 38389 | 38533 | 0.33 | cps |
| Erbium | 164-2 | 26208 | 25964 | 25744 | 25972 | 0.89 | cps |
| Gadolinium | 160-1 | 44403 | 44260 | 44009 | 44224 | 0.45 | cps |
| Gadolinium | 160-2 | 31646 | 32027 | 32073 | 31915 | 0.73 | cps |
| Holmium | 165-1 | 5842123 | 5736362 | 5464600 | 5681028 | 3.43 | cps |
| Holmium | 165-2 | 3926997 | 3884544 | 3834961 | 3882167 | 1.19 | cps |
| Indium | 115-1 | 4564485 | 4574374 | 4253556 | 4464138 | 4.09 | cps |
| Indium | 115-2 | 1725711 | 1732491 | 1696434 | 1718212 | 1.12 | cps |
| Iron | 56-2 | 250615543 | 248453010 | 246283323 | 248450625 | 0.87 | cps |
| Iron | 57-2 | 6227061 | 6139841 | 6190918 | 6185940 | 0.71 | cps |
| Iron | 54-2 | 13716589 | 13672258 | 13691259 | 13693368 | 0.16 | cps |
| Krypton | 83-1 | 207 | 227 | 200 | 211 | 6.57 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-22 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE469 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:34:58 | DataFile Name : | 078SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 238608 | 243622 | 243420 | 241883 | 1.17 | cps |
| Lead | 207-1 | 207633 | 207884 | 211028 | 208848 | 0.91 | cps |
| Lead | 208-1 | 941858 | 949256 | 958263 | 949793 | 0.86 | cps |
| Lithium | 6-1 | 505678 | 507212 | 484438 | 499109 | 2.55 | cps |
| Magnesium | 24-2 | 6225979 | 6265213 | 6197103 | 6229432 | 0.55 | cps |
| Manganese | 55-2 | 8154646 | 8085726 | 8031820 | 8090731 | 0.76 | cps |
| Molybdenum | 94-1 | 49049 | 49754 | 50466 | 49756 | 1.42 | cps |
| Molybdenum | 95-1 | 6038 | 6375 | 6441 | 6285 | 3.44 | cps |
| Molybdenum | 96-1 | 15925 | 16029 | 16653 | 16202 | 2.43 | cps |
| Molybdenum | 97-1 | 3714 | 4131 | 3767 | 3871 | 5.86 | cps |
| Molybdenum | 98-1 | 9647 | 9833 | 9823 | 9768 | 1.08 | cps |
| Neodymium | 150-1 | 84494 | 86523 | 86024 | 85680 | 1.23 | cps |
| Neodymium | 150-2 | 50607 | 50473 | 50804 | 50628 | 0.33 | cps |
| Nickel | 60-2 | 101504 | 100074 | 99595 | 100391 | 0.99 | cps |
| Phosphorus | 31-2 | 22590 | 22550 | 21689 | 22276 | 2.29 | cps |
| Potassium | 39-2 | 4479843 | 4442875 | 4385823 | 4436180 | 1.07 | cps |
| Rhodium | 103-1 | 4328544 | 4227994 | 3987575 | 4181371 | 4.19 | cps |
| Rhodium | 103-2 | 2874292 | 2855414 | 2856730 | 2862145 | 0.37 | cps |
| Scandium | 45-1 | 2663459 | 2647217 | 2515163 | 2608613 | 3.12 | cps |
| Scandium | 45-2 | 309775 | 308094 | 306526 | 308132 | 0.53 | cps |
| Selenium | 82-1 | 383 | 335 | 344 | 354 | 7.24 | cps |
| Selenium | 77-2 | 187 | 167 | 160 | 171 | 8.11 | cps |
| Selenium | 78-2 | 447 | 537 | 400 | 461 | 15.07 | cps |
| Silicon | 28-1 | 12157504 | 12195460 | 12053434 | 12135466 | 0.61 | cps |
| Silver | 107-1 | 4031 | 4181 | 4081 | 4097 | 1.86 | cps |
| Silver | 109-1 | 3961 | 3987 | 3937 | 3962 | 0.63 | cps |
| Sodium | 23-2 | 139310 | 137686 | 137511 | 138169 | 0.72 | cps |
| Strontium | 86-1 | 203262 | 206581 | 210243 | 206695 | 1.69 | cps |
| Strontium | 88-1 | 1857474 | 1908027 | 1934170 | 1899890 | 2.05 | cps |
| Sulfur | 34-1 | 104561 | 103853 | 102316 | 103577 | 1.11 | cps |
| Terbium | 159-1 | 5909911 | 5812045 | 5417202 | 5713052 | 4.57 | cps |
| Terbium | 159-2 | 3906555 | 3829006 | 3898762 | 3878108 | 1.10 | cps |
| Thallium | 203-1 | 2424 | 2334 | 2377 | 2378 | 1.89 | cps |
| Thallium | 205-1 | 5698 | 5931 | 5658 | 5762 | 2.56 | cps |
| Tin | 118-1 | 10998 | 10908 | 11331 | 11079 | 2.01 | cps |
| Titanium | 47-1 | 707042 | 712740 | 717846 | 712543 | 0.76 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-22 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE469 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:34:58 | DataFile Name : | 078SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 15960 | 15883 | 16497 | 16113 | 2.08 | cps |
| Vanadium | 51-2 | 472827 | 471163 | 466516 | 470169 | 0.70 | cps |
| Yttrium | 89-1 | 8335881 | 8449310 | 7830437 | 8205210 | 4.02 | cps |
| Yttrium | 89-2 | 2439431 | 2469981 | 2485973 | 2465129 | 0.96 | cps |
| Zinc | 66-2 | 142923 | 142146 | 142449 | 142506 | 0.28 | cps |
| Zirconium | 90-1 | 122761 | 124674 | 127519 | 124985 | 1.92 | cps |
| Zirconium | 91-1 | 27149 | 27719 | 27927 | 27598 | 1.46 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-01 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE470 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:38:06 | DataFile Name : | 079SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6236567 | 6226708 | 6210720 | 6224665 | 0.21 | cps |
| Antimony | 121-1 | 11458 | 11838 | 11738 | 11678 | 1.69 | cps |
| Arsenic | 75-2 | 43494 | 43019 | 43143 | 43218 | 0.57 | cps |
| Barium | 135-1 | 605917 | 609235 | 611533 | 608895 | 0.46 | cps |
| Barium | 137-1 | 1045669 | 1048497 | 1051691 | 1048619 | 0.29 | cps |
| Beryllium | 9-1 | 873 | 857 | 867 | 866 | 0.97 | cps |
| Bismuth | 209-1 | 3573691 | 3622995 | 3483575 | 3560087 | 1.99 | cps |
| Bismuth | 209-2 | 2687942 | 2705102 | 2613550 | 2668865 | 1.82 | cps |
| Bromine | 81-1 | 7462 | 7449 | 7449 | 7453 | 0.10 | cps |
| Bromine | 81-2 | 673 | 657 | 753 | 694 | 7.44 | cps |
| Cadmium | 108-1 | 183 | 223 | 230 | 212 | 11.89 | cps |
| Cadmium | 106-1 | 1607 | 1527 | 1507 | 1547 | 3.42 | cps |
| Cadmium | 111-1 | 3050 | 2883 | 2931 | 2954 | 2.92 | cps |
| Calcium | 43-1 | 383760 | 385544 | 386128 | 385144 | 0.32 | cps |
| Calcium | 44-1 | 6014329 | 6025676 | 6079424 | 6039809 | 0.58 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 276172 | 273906 | 271871 | 273983 | 0.79 | cps |
| Cobalt | 59-2 | 203802 | 205357 | 203879 | 204346 | 0.43 | cps |
| Copper | 63-2 | 783739 | 774347 | 777273 | 778453 | 0.62 | cps |
| Dysprosium | 156-1 | 36304 | 37122 | 37105 | 36844 | 1.27 | cps |
| Dysprosium | 156-2 | 31692 | 32354 | 32341 | 32129 | 1.18 | cps |
| Erbium | 164-1 | 30851 | 30834 | 30517 | 30734 | 0.61 | cps |
| Erbium | 164-2 | 20762 | 20575 | 21069 | 20802 | 1.20 | cps |
| Gadolinium | 160-1 | 35271 | 36350 | 35588 | 35737 | 1.55 | cps |
| Gadolinium | 160-2 | 25116 | 25794 | 25667 | 25526 | 1.41 | cps |
| Holmium | 165-1 | 5787432 | 5797745 | 5766558 | 5783911 | 0.27 | cps |
| Holmium | 165-2 | 3870266 | 3908830 | 3789591 | 3856229 | 1.58 | cps |
| Indium | 115-1 | 4669572 | 4622869 | 4570445 | 4620962 | 1.07 | cps |
| Indium | 115-2 | 1716651 | 1711715 | 1710893 | 1713086 | 0.18 | cps |
| Iron | 56-2 | 236839030 | 235127810 | 233521983 | 235162941 | 0.71 | cps |
| Iron | 57-2 | 5856714 | 5797663 | 5859489 | 5837955 | 0.60 | cps |
| Iron | 54-2 | 12972977 | 13015558 | 12935614 | 12974716 | 0.31 | cps |
| Krypton | 83-1 | 187 | 197 | 213 | 199 | 6.77 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-01 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE470 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:38:06 | DataFile Name : | 079SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 257698 | 259576 | 259139 | 258804 | 0.38 | cps |
| Lead | 207-1 | 218172 | 223099 | 224921 | 222064 | 1.57 | cps |
| Lead | 208-1 | 1001537 | 1015675 | 1013375 | 1010196 | 0.75 | cps |
| Lithium | 6-1 | 513880 | 508790 | 499594 | 507422 | 1.43 | cps |
| Magnesium | 24-2 | 5067301 | 5053950 | 5088187 | 5069813 | 0.34 | cps |
| Manganese | 55-2 | 4902433 | 4885067 | 4871711 | 4886404 | 0.32 | cps |
| Molybdenum | 94-1 | 44678 | 43952 | 44337 | 44322 | 0.82 | cps |
| Molybdenum | 95-1 | 3807 | 3984 | 3964 | 3918 | 2.47 | cps |
| Molybdenum | 96-1 | 13223 | 13103 | 13279 | 13202 | 0.68 | cps |
| Molybdenum | 97-1 | 2494 | 2407 | 2527 | 2476 | 2.50 | cps |
| Molybdenum | 98-1 | 6071 | 6285 | 6145 | 6167 | 1.76 | cps |
| Neodymium | 150-1 | 69905 | 69611 | 71004 | 70173 | 1.05 | cps |
| Neodymium | 150-2 | 41675 | 41956 | 41019 | 41550 | 1.16 | cps |
| Nickel | 60-2 | 96619 | 96488 | 96052 | 96386 | 0.31 | cps |
| Phosphorus | 31-2 | 20831 | 20220 | 20951 | 20667 | 1.90 | cps |
| Potassium | 39-2 | 3229684 | 3256745 | 3217523 | 3234651 | 0.62 | cps |
| Rhodium | 103-1 | 4309806 | 4305175 | 4234643 | 4283208 | 0.98 | cps |
| Rhodium | 103-2 | 2818517 | 2870959 | 2863677 | 2851051 | 1.00 | cps |
| Scandium | 45-1 | 2652766 | 2592394 | 2614732 | 2619964 | 1.17 | cps |
| Scandium | 45-2 | 300334 | 303639 | 300942 | 301638 | 0.58 | cps |
| Selenium | 82-1 | 344 | 398 | 358 | 367 | 7.66 | cps |
| Selenium | 77-2 | 150 | 143 | 160 | 151 | 5.55 | cps |
| Selenium | 78-2 | 423 | 477 | 543 | 481 | 12.50 | cps |
| Silicon | 28-1 | 10680025 | 10641229 | 10737459 | 10686238 | 0.45 | cps |
| Silver | 107-1 | 3671 | 3397 | 3670 | 3579 | 4.41 | cps |
| Silver | 109-1 | 3237 | 3387 | 3387 | 3337 | 2.60 | cps |
| Sodium | 23-2 | 158089 | 155998 | 157817 | 157301 | 0.72 | cps |
| Strontium | 86-1 | 216251 | 216129 | 218118 | 216833 | 0.51 | cps |
| Strontium | 88-1 | 1955250 | 1974350 | 1993823 | 1974474 | 0.98 | cps |
| Sulfur | 34-1 | 105934 | 105185 | 105306 | 105475 | 0.38 | cps |
| Terbium | 159-1 | 5967199 | 5894138 | 5892035 | 5917790 | 0.72 | cps |
| Terbium | 159-2 | 3864382 | 3910742 | 3929050 | 3901391 | 0.85 | cps |
| Thallium | 203-1 | 1773 | 1760 | 1780 | 1771 | 0.58 | cps |
| Thallium | 205-1 | 4171 | 4441 | 4361 | 4324 | 3.21 | cps |
| Tin | 118-1 | 10764 | 10514 | 10574 | 10617 | 1.23 | cps |
| Titanium | 47-1 | 697437 | 701525 | 701496 | 700152 | 0.34 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-01 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE470 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:38:06 | DataFile Name : | 079SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14491 | 14408 | 14108 | 14336 | 1.41 | cps |
| Vanadium | 51-2 | 446679 | 447526 | 448125 | 447444 | 0.16 | cps |
| Yttrium | 89-1 | 8107196 | 8100871 | 8171361 | 8126476 | 0.48 | cps |
| Yttrium | 89-2 | 2448707 | 2434035 | 2447387 | 2443376 | 0.33 | cps |
| Zinc | 66-2 | 126752 | 127590 | 125798 | 126713 | 0.71 | cps |
| Zirconium | 90-1 | 114102 | 114842 | 115329 | 114758 | 0.54 | cps |
| Zirconium | 91-1 | 24834 | 25843 | 25619 | 25432 | 2.08 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-02 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE471 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:41:18 | DataFile Name : | 080SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 7491234 | 7403970 | 7510926 | 7468710 | 0.76 | cps |
| Antimony | 121-1 | 5975 | 5988 | 6001 | 5988 | 0.22 | cps |
| Arsenic | 75-2 | 30291 | 30037 | 29676 | 30001 | 1.03 | cps |
| Barium | 135-1 | 765828 | 787501 | 777187 | 776838 | 1.40 | cps |
| Barium | 137-1 | 1314887 | 1362436 | 1334571 | 1337298 | 1.79 | cps |
| Beryllium | 9-1 | 897 | 1070 | 1020 | 996 | 8.96 | cps |
| Bismuth | 209-1 | 3541516 | 3576979 | 3516395 | 3544963 | 0.86 | cps |
| Bismuth | 209-2 | 2660835 | 2667162 | 2653613 | 2660537 | 0.25 | cps |
| Bromine | 81-1 | 7912 | 8299 | 8166 | 8126 | 2.42 | cps |
| Bromine | 81-2 | 887 | 787 | 827 | 833 | 6.04 | cps |
| Cadmium | 108-1 | 193 | 197 | 187 | 192 | 2.65 | cps |
| Cadmium | 106-1 | 1480 | 1373 | 1460 | 1438 | 3.94 | cps |
| Cadmium | 111-1 | 2061 | 2097 | 2061 | 2073 | 1.00 | cps |
| Calcium | 43-1 | 266759 | 275392 | 273676 | 271943 | 1.68 | cps |
| Calcium | 44-1 | 4233205 | 4286696 | 4324978 | 4281626 | 1.08 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 293563 | 296958 | 295278 | 295266 | 0.57 | cps |
| Cobalt | 59-2 | 203502 | 202724 | 201522 | 202583 | 0.49 | cps |
| Copper | 63-2 | 517634 | 513188 | 515467 | 515430 | 0.43 | cps |
| Dysprosium | 156-1 | 46366 | 46664 | 48233 | 47088 | 2.13 | cps |
| Dysprosium | 156-2 | 40040 | 40411 | 40094 | 40182 | 0.50 | cps |
| Erbium | 164-1 | 38987 | 39593 | 39021 | 39200 | 0.87 | cps |
| Erbium | 164-2 | 26425 | 26428 | 26649 | 26501 | 0.48 | cps |
| Gadolinium | 160-1 | 44674 | 46524 | 46273 | 45824 | 2.19 | cps |
| Gadolinium | 160-2 | 32671 | 33062 | 32428 | 32720 | 0.98 | cps |
| Holmium | 165-1 | 5716002 | 5745131 | 5678181 | 5713105 | 0.59 | cps |
| Holmium | 165-2 | 3871924 | 3841843 | 3882923 | 3865563 | 0.55 | cps |
| Indium | 115-1 | 4599360 | 4550897 | 4557230 | 4569162 | 0.58 | cps |
| Indium | 115-2 | 1708601 | 1698678 | 1690453 | 1699244 | 0.53 | cps |
| Iron | 56-2 | 227939077 | 229183617 | 228593070 | 228571921 | 0.27 | cps |
| Iron | 57-2 | 5734287 | 5675895 | 5660224 | 5690135 | 0.69 | cps |
| Iron | 54-2 | 12729919 | 12683230 | 12580481 | 12664543 | 0.60 | cps |
| Krypton | 83-1 | 220 | 230 | 250 | 233 | 6.55 | cps |



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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-02 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE471 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:41:18 | DataFile Name : | 080SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 146416 | 147571 | 148531 | 147506 | 0.72 | cps |
| Lead | 207-1 | 121831 | 125469 | 124383 | 123894 | 1.51 | cps |
| Lead | 208-1 | 564687 | 570699 | 573159 | 569515 | 0.77 | cps |
| Lithium | 6-1 | 510276 | 522367 | 513524 | 515389 | 1.21 | cps |
| Magnesium | 24-2 | 5334380 | 5229079 | 5285568 | 5283009 | 1.00 | cps |
| Manganese | 55-2 | 5408979 | 5396567 | 5341422 | 5382323 | 0.67 | cps |
| Molybdenum | 94-1 | 47905 | 49320 | 50540 | 49255 | 2.68 | cps |
| Molybdenum | 95-1 | 5461 | 5521 | 5221 | 5401 | 2.94 | cps |
| Molybdenum | 96-1 | 15108 | 15485 | 15115 | 15236 | 1.42 | cps |
| Molybdenum | 97-1 | 3310 | 3337 | 3624 | 3424 | 5.07 | cps |
| Molybdenum | 98-1 | 8619 | 8546 | 8362 | 8509 | 1.55 | cps |
| Neodymium | 150-1 | 86658 | 89267 | 88663 | 88196 | 1.55 | cps |
| Neodymium | 150-2 | 52798 | 51611 | 51614 | 52008 | 1.32 | cps |
| Nickel | 60-2 | 92547 | 92483 | 92141 | 92391 | 0.24 | cps |
| Phosphorus | 31-2 | 21235 | 21412 | 21221 | 21289 | 0.50 | cps |
| Potassium | 39-2 | 4196433 | 4116328 | 4125992 | 4146251 | 1.05 | cps |
| Rhodium | 103-1 | 4255978 | 4246820 | 4238977 | 4247258 | 0.20 | cps |
| Rhodium | 103-2 | 2808375 | 2814516 | 2850080 | 2824324 | 0.80 | cps |
| Scandium | 45-1 | 2635515 | 2634548 | 2627148 | 2632404 | 0.17 | cps |
| Scandium | 45-2 | 304763 | 302280 | 300342 | 302461 | 0.73 | cps |
| Selenium | 82-1 | 308 | 369 | 322 | 333 | 9.53 | cps |
| Selenium | 77-2 | 150 | 187 | 227 | 188 | 20.42 | cps |
| Selenium | 78-2 | 430 | 513 | 473 | 472 | 8.83 | cps |
| Silicon | 28-1 | 13370889 | 13475799 | 13493850 | 13446846 | 0.49 | cps |
| Silver | 107-1 | 2157 | 2094 | 2087 | 2112 | 1.83 | cps |
| Silver | 109-1 | 2014 | 1837 | 2027 | 1959 | 5.41 | cps |
| Sodium | 23-2 | 159858 | 160120 | 160769 | 160249 | 0.29 | cps |
| Strontium | 86-1 | 179228 | 183887 | 182896 | 182004 | 1.35 | cps |
| Strontium | 88-1 | 1617616 | 1667936 | 1679247 | 1654933 | 1.98 | cps |
| Sulfur | 34-1 | 101044 | 99847 | 99380 | 100091 | 0.86 | cps |
| Terbium | 159-1 | 5885557 | 5958674 | 5830578 | 5891603 | 1.09 | cps |
| Terbium | 159-2 | 3844140 | 3874258 | 3872831 | 3863743 | 0.44 | cps |
| Thallium | 203-1 | 1893 | 1910 | 2004 | 1936 | 3.06 | cps |
| Thallium | 205-1 | 4604 | 4497 | 4911 | 4671 | 4.60 | cps |
| Tin | 118-1 | 10971 | 11488 | 11405 | 11288 | 2.46 | cps |
| Titanium | 47-1 | 781007 | 802210 | 810298 | 797838 | 1.90 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-02 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE471 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:41:18 | DataFile Name : | 080SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 17014 | 17565 | 17525 | 17368 | 1.77 | cps |
| Vanadium | 51-2 | 433184 | 429801 | 428415 | 430467 | 0.57 | cps |
| Yttrium | 89-1 | 8304402 | 8352868 | 8237319 | 8298196 | 0.70 | cps |
| Yttrium | 89-2 | 2426667 | 2429063 | 2431671 | 2429134 | 0.10 | cps |
| Zinc | 66-2 | 114622 | 114727 | 113651 | 114333 | 0.52 | cps |
| Zirconium | 90-1 | 124230 | 126890 | 127551 | 126224 | 1.39 | cps |
| Zirconium | 91-1 | 27165 | 28618 | 28404 | 28063 | 2.79 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-03 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE472 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:44:26 | DataFile Name : | 081SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 8272513 | 8222562 | 8209039 | 8234705 | 0.41 | cps |
| Antimony | 121-1 | 10834 | 11011 | 11224 | 11023 | 1.77 | cps |
| Arsenic | 75-2 | 56145 | 54637 | 54382 | 55055 | 1.73 | cps |
| Barium | 135-1 | 1324785 | 1342738 | 1347117 | 1338213 | 0.88 | cps |
| Barium | 137-1 | 2487591 | 2537767 | 2537178 | 2520845 | 1.14 | cps |
| Beryllium | 9-1 | 1053 | 1067 | 1213 | 1111 | 7.99 | cps |
| Bismuth | 209-1 | 3558436 | 3542036 | 3491962 | 3530811 | 0.98 | cps |
| Bismuth | 209-2 | 2705507 | 2623909 | 2651430 | 2660282 | 1.56 | cps |
| Bromine | 81-1 | 6955 | 7088 | 6788 | 6944 | 2.17 | cps |
| Bromine | 81-2 | 577 | 480 | 480 | 512 | 10.90 | cps |
| Cadmium | 108-1 | 160 | 197 | 180 | 179 | 10.26 | cps |
| Cadmium | 106-1 | 1573 | 1557 | 1657 | 1596 | 3.36 | cps |
| Cadmium | 111-1 | 2009 | 2005 | 1994 | 2003 | 0.41 | cps |
| Calcium | 43-1 | 548014 | 561023 | 562311 | 557116 | 1.42 | cps |
| Calcium | 44-1 | 8787265 | 8874297 | 8898233 | 8853265 | 0.66 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 303932 | 300636 | 300961 | 301843 | 0.60 | cps |
| Cobalt | 59-2 | 201887 | 199617 | 198185 | 199896 | 0.93 | cps |
| Copper | 63-2 | 483297 | 481952 | 483677 | 482975 | 0.19 | cps |
| Dysprosium | 156-1 | 46079 | 46072 | 47380 | 46510 | 1.62 | cps |
| Dysprosium | 156-2 | 40826 | 40505 | 41438 | 40923 | 1.16 | cps |
| Erbium | 164-1 | 37209 | 37083 | 37597 | 37296 | 0.72 | cps |
| Erbium | 164-2 | 25463 | 25376 | 25056 | 25298 | 0.85 | cps |
| Gadolinium | 160-1 | 44551 | 45052 | 44674 | 44759 | 0.58 | cps |
| Gadolinium | 160-2 | 32404 | 31796 | 31535 | 31912 | 1.40 | cps |
| Holmium | 165-1 | 5750640 | 5715640 | 5677819 | 5714700 | 0.64 | cps |
| Holmium | 165-2 | 3917694 | 3885058 | 3879035 | 3893929 | 0.53 | cps |
| Indium | 115-1 | 4577638 | 4576106 | 4584003 | 4579249 | 0.09 | cps |
| Indium | 115-2 | 1734439 | 1715379 | 1680579 | 1710132 | 1.60 | cps |
| Iron | 56-2 | 250520876 | 249511156 | 248576676 | 249536236 | 0.39 | cps |
| Iron | 57-2 | 6274841 | 6246642 | 6198141 | 6239875 | 0.62 | cps |
| Iron | 54-2 | 13898734 | 13809205 | 13728151 | 13812030 | 0.62 | cps |
| Krypton | 83-1 | 247 | 267 | 187 | 233 | 17.84 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-03 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE472 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:44:26 | DataFile Name : | 081SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 138703 | 141969 | 143148 | 141273 | 1.63 | cps |
| Lead | 207-1 | 119366 | 120377 | 120758 | 120167 | 0.60 | cps |
| Lead | 208-1 | 547874 | 556623 | 553699 | 552732 | 0.81 | cps |
| Lithium | 6-1 | 518310 | 519459 | 511691 | 516486 | 0.81 | cps |
| Magnesium | 24-2 | 6462152 | 6531810 | 6556860 | 6516941 | 0.75 | cps |
| Manganese | 55-2 | 5207871 | 5159289 | 5144075 | 5170412 | 0.64 | cps |
| Molybdenum | 94-1 | 89683 | 92580 | 92279 | 91514 | 1.74 | cps |
| Molybdenum | 95-1 | 3164 | 3357 | 3220 | 3247 | 3.06 | cps |
| Molybdenum | 96-1 | 19987 | 20424 | 19907 | 20106 | 1.39 | cps |
| Molybdenum | 97-1 | 1713 | 2004 | 1950 | 1889 | 8.17 | cps |
| Molybdenum | 98-1 | 5038 | 4948 | 4964 | 4983 | 0.96 | cps |
| Neodymium | 150-1 | 94189 | 97511 | 98122 | 96607 | 2.19 | cps |
| Neodymium | 150-2 | 57276 | 56797 | 56426 | 56833 | 0.75 | cps |
| Nickel | 60-2 | 126616 | 125285 | 123291 | 125064 | 1.34 | cps |
| Phosphorus | 31-2 | 26423 | 26286 | 25902 | 26204 | 1.03 | cps |
| Potassium | 39-2 | 3431194 | 3477947 | 3431572 | 3446904 | 0.78 | cps |
| Rhodium | 103-1 | 4261207 | 4255768 | 4203133 | 4240036 | 0.76 | cps |
| Rhodium | 103-2 | 2819183 | 2795848 | 2832587 | 2815873 | 0.66 | cps |
| Scandium | 45-1 | 2692692 | 2707491 | 2700498 | 2700227 | 0.27 | cps |
| Scandium | 45-2 | 308494 | 307563 | 306395 | 307484 | 0.34 | cps |
| Selenium | 82-1 | 281 | 286 | 361 | 309 | 14.59 | cps |
| Selenium | 77-2 | 140 | 170 | 193 | 168 | 15.94 | cps |
| Selenium | 78-2 | 497 | 430 | 483 | 470 | 7.51 | cps |
| Silicon | 28-1 | 12938186 | 13020697 | 13111622 | 13023502 | 0.67 | cps |
| Silver | 107-1 | 1730 | 1853 | 1733 | 1772 | 3.96 | cps |
| Silver | 109-1 | 1627 | 1763 | 1607 | 1666 | 5.12 | cps |
| Sodium | 23-2 | 147314 | 146347 | 147148 | 146937 | 0.35 | cps |
| Strontium | 86-1 | 545887 | 555206 | 553534 | 551542 | 0.90 | cps |
| Strontium | 88-1 | 5016228 | 5057344 | 5103056 | 5058876 | 0.86 | cps |
| Sulfur | 34-1 | 101715 | 102165 | 103561 | 102481 | 0.94 | cps |
| Terbium | 159-1 | 6012696 | 5897630 | 5876506 | 5928944 | 1.24 | cps |
| Terbium | 159-2 | 3816726 | 3838300 | 3866785 | 3840604 | 0.65 | cps |
| Thallium | 203-1 | 1630 | 1657 | 1610 | 1632 | 1.43 | cps |
| Thallium | 205-1 | 3787 | 3704 | 3527 | 3673 | 3.62 | cps |
| Tin | 118-1 | 8246 | 8256 | 8259 | 8254 | 0.08 | cps |
| Titanium | 47-1 | 747505 | 769540 | 765914 | 760986 | 1.55 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-03 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE472 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:44:26 | DataFile Name : | 081SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 18309 | 18787 | 18353 | 18483 | 1.43 | cps |
| Vanadium | 51-2 | 505997 | 502862 | 497749 | 502203 | 0.83 | cps |
| Yttrium | 89-1 | 8299674 | 8417016 | 8242764 | 8319818 | 1.07 | cps |
| Yttrium | 89-2 | 2466590 | 2407545 | 2435209 | 2436448 | 1.21 | cps |
| Zinc | 66-2 | 99371 | 98422 | 98915 | 98903 | 0.48 | cps |
| Zirconium | 90-1 | 237874 | 242993 | 243440 | 241436 | 1.28 | cps |
| Zirconium | 91-1 | 54310 | 54561 | 54260 | 54377 | 0.30 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-04 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE473 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:47:37 | DataFile Name : | 082SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6484919 | 6441368 | 6379924 | 6435404 | 0.82 | cps |
| Antimony | 121-1 | 9597 | 9640 | 9740 | 9659 | 0.76 | cps |
| Arsenic | 75-2 | 40465 | 39439 | 39456 | 39787 | 1.48 | cps |
| Barium | 135-1 | 623335 | 631979 | 632739 | 629351 | 0.83 | cps |
| Barium | 137-1 | 1070895 | 1097165 | 1094957 | 1087672 | 1.34 | cps |
| Beryllium | 9-1 | 780 | 807 | 857 | 814 | 4.78 | cps |
| Bismuth | 209-1 | 3641476 | 3583764 | 3568467 | 3597902 | 1.07 | cps |
| Bismuth | 209-2 | 2706267 | 2696133 | 2670535 | 2690978 | 0.68 | cps |
| Bromine | 81-1 | 6918 | 7342 | 7192 | 7151 | 3.00 | cps |
| Bromine | 81-2 | 567 | 693 | 647 | 636 | 10.08 | cps |
| Cadmium | 108-1 | 287 | 240 | 273 | 267 | 9.01 | cps |
| Cadmium | 106-1 | 1567 | 1537 | 1530 | 1545 | 1.26 | cps |
| Cadmium | 111-1 | 3396 | 3331 | 3510 | 3413 | 2.65 | cps |
| Calcium | 43-1 | 344644 | 352108 | 358255 | 351669 | 1.94 | cps |
| Calcium | 44-1 | 5493677 | 5517018 | 5559555 | 5523417 | 0.60 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 268858 | 266213 | 266272 | 267115 | 0.57 | cps |
| Cobalt | 59-2 | 186927 | 186694 | 184615 | 186078 | 0.68 | cps |
| Copper | 63-2 | 982940 | 983202 | 975871 | 980671 | 0.42 | cps |
| Dysprosium | 156-1 | 39509 | 39763 | 40642 | 39971 | 1.49 | cps |
| Dysprosium | 156-2 | 33918 | 34038 | 34285 | 34080 | 0.55 | cps |
| Erbium | 164-1 | 32174 | 33286 | 33313 | 32924 | 1.97 | cps |
| Erbium | 164-2 | 22411 | 22138 | 22031 | 22193 | 0.88 | cps |
| Gadolinium | 160-1 | 37333 | 38530 | 38707 | 38190 | 1.96 | cps |
| Gadolinium | 160-2 | 27571 | 27834 | 27317 | 27574 | 0.94 | cps |
| Holmium | 165-1 | 5687598 | 5806132 | 5723170 | 5738967 | 1.06 | cps |
| Holmium | 165-2 | 3949129 | 3874116 | 3824762 | 3882669 | 1.61 | cps |
| Indium | 115-1 | 4631232 | 4585392 | 4556185 | 4590936 | 0.82 | cps |
| Indium | 115-2 | 1726313 | 1726663 | 1681459 | 1711478 | 1.52 | cps |
| Iron | 56-2 | 209917377 | 209907377 | 208001444 | 209275399 | 0.53 | cps |
| Iron | 57-2 | 5222408 | 5247034 | 5122645 | 5197362 | 1.27 | cps |
| Iron | 54-2 | 11590510 | 11517352 | 11532305 | 11546722 | 0.33 | cps |
| Krypton | 83-1 | 207 | 193 | 190 | 197 | 4.48 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-04 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE473 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:47:37 | DataFile Name : | 082SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 289376 | 294277 | 296154 | 293269 | 1.19 | cps |
| Lead | 207-1 | 252436 | 259200 | 258898 | 256845 | 1.49 | cps |
| Lead | 208-1 | 1142921 | 1160693 | 1172850 | 1158821 | 1.30 | cps |
| Lithium | 6-1 | 529955 | 532933 | 529509 | 530799 | 0.35 | cps |
| Magnesium | 24-2 | 4926852 | 4900449 | 4829918 | 4885739 | 1.03 | cps |
| Manganese | 55-2 | 4356218 | 4348666 | 4333993 | 4346292 | 0.26 | cps |
| Molybdenum | 94-1 | 46938 | 48671 | 48206 | 47938 | 1.87 | cps |
| Molybdenum | 95-1 | 4164 | 4187 | 4131 | 4161 | 0.68 | cps |
| Molybdenum | 96-1 | 13466 | 14087 | 13777 | 13777 | 2.25 | cps |
| Molybdenum | 97-1 | 2567 | 2597 | 2604 | 2589 | 0.75 | cps |
| Molybdenum | 98-1 | 6428 | 6468 | 6221 | 6373 | 2.08 | cps |
| Neodymium | 150-1 | 73735 | 75541 | 75987 | 75087 | 1.59 | cps |
| Neodymium | 150-2 | 44500 | 45032 | 45346 | 44959 | 0.95 | cps |
| Nickel | 60-2 | 88023 | 88804 | 88707 | 88511 | 0.48 | cps |
| Phosphorus | 31-2 | 20784 | 21211 | 21115 | 21037 | 1.06 | cps |
| Potassium | 39-2 | 4193545 | 4204612 | 4137262 | 4178473 | 0.86 | cps |
| Rhodium | 103-1 | 4348142 | 4281524 | 4187570 | 4272412 | 1.89 | cps |
| Rhodium | 103-2 | 2850677 | 2812814 | 2825991 | 2829827 | 0.68 | cps |
| Scandium | 45-1 | 2631787 | 2623477 | 2664510 | 2639925 | 0.82 | cps |
| Scandium | 45-2 | 303704 | 302412 | 298986 | 301701 | 0.81 | cps |
| Selenium | 82-1 | 382 | 387 | 409 | 393 | 3.61 | cps |
| Selenium | 77-2 | 153 | 117 | 90 | 120 | 26.50 | cps |
| Selenium | 78-2 | 520 | 497 | 547 | 521 | 4.80 | cps |
| Silicon | 28-1 | 13073599 | 13154644 | 13268993 | 13165745 | 0.75 | cps |
| Silver | 107-1 | 5151 | 5048 | 5024 | 5074 | 1.33 | cps |
| Silver | 109-1 | 4657 | 4921 | 4904 | 4828 | 3.06 | cps |
| Sodium | 23-2 | 145119 | 145941 | 145490 | 145517 | 0.28 | cps |
| Strontium | 86-1 | 196377 | 199359 | 200177 | 198638 | 1.01 | cps |
| Strontium | 88-1 | 1824622 | 1803246 | 1838619 | 1822162 | 0.98 | cps |
| Sulfur | 34-1 | 104605 | 104642 | 103541 | 104262 | 0.60 | cps |
| Terbium | 159-1 | 5999251 | 5985469 | 5881163 | 5955294 | 1.08 | cps |
| Terbium | 159-2 | 3923867 | 3856533 | 3837023 | 3872475 | 1.18 | cps |
| Thallium | 203-1 | 1723 | 1813 | 1770 | 1769 | 2.54 | cps |
| Thallium | 205-1 | 4071 | 4437 | 4277 | 4262 | 4.31 | cps |
| Tin | 118-1 | 8616 | 8723 | 8873 | 8737 | 1.48 | cps |
| Titanium | 47-1 | 710893 | 726668 | 726898 | 721486 | 1.27 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-04 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE473 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:47:37 | DataFile Name : | 082SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14204 | 14845 | 14805 | 14618 | 2.46 | cps |
| Vanadium | 51-2 | 411417 | 411697 | 409093 | 410736 | 0.35 | cps |
| Yttrium | 89-1 | 8254729 | 8188446 | 8177426 | 8206867 | 0.51 | cps |
| Yttrium | 89-2 | 2476323 | 2405164 | 2411212 | 2430900 | 1.62 | cps |
| Zinc | 66-2 | 142998 | 143886 | 140847 | 142577 | 1.10 | cps |
| Zirconium | 90-1 | 120792 | 123508 | 123229 | 122509 | 1.22 | cps |
| Zirconium | 91-1 | 26614 | 27269 | 27853 | 27245 | 2.28 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-05 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE474 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:50:45 | DataFile Name : | 083SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6211020 | 6174319 | 6203462 | 6196267 | 0.31 | cps |
| Antimony | 121-1 | 11435 | 11538 | 11722 | 11565 | 1.26 | cps |
| Arsenic | 75-2 | 34991 | 34854 | 34473 | 34773 | 0.77 | cps |
| Barium | 135-1 | 592403 | 589441 | 599587 | 593810 | 0.88 | cps |
| Barium | 137-1 | 1043699 | 1065752 | 1050666 | 1053372 | 1.07 | cps |
| Beryllium | 9-1 | 847 | 763 | 877 | 829 | 7.08 | cps |
| Bismuth | 209-1 | 3597000 | 3515688 | 3538706 | 3550465 | 1.18 | cps |
| Bismuth | 209-2 | 2705623 | 2718505 | 2699898 | 2708009 | 0.35 | cps |
| Bromine | 81-1 | 6852 | 7142 | 7299 | 7097 | 3.19 | cps |
| Bromine | 81-2 | 613 | 613 | 603 | 610 | 0.95 | cps |
| Cadmium | 108-1 | 190 | 193 | 193 | 192 | 1.00 | cps |
| Cadmium | 106-1 | 1437 | 1480 | 1387 | 1435 | 3.26 | cps |
| Cadmium | 111-1 | 2603 | 2721 | 2722 | 2682 | 2.55 | cps |
| Calcium | 43-1 | 229893 | 233537 | 235557 | 232996 | 1.23 | cps |
| Calcium | 44-1 | 3644837 | 3663099 | 3688657 | 3665531 | 0.60 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 255470 | 253107 | 254166 | 254248 | 0.47 | cps |
| Cobalt | 59-2 | 169688 | 170605 | 169808 | 170034 | 0.29 | cps |
| Copper | 63-2 | 698270 | 701496 | 695746 | 698504 | 0.41 | cps |
| Dysprosium | 156-1 | 36885 | 36982 | 37490 | 37119 | 0.88 | cps |
| Dysprosium | 156-2 | 32531 | 32541 | 32584 | 32552 | 0.09 | cps |
| Erbium | 164-1 | 30774 | 30363 | 30273 | 30470 | 0.88 | cps |
| Erbium | 164-2 | 21159 | 20739 | 21053 | 20984 | 1.04 | cps |
| Gadolinium | 160-1 | 36424 | 36554 | 36487 | 36489 | 0.18 | cps |
| Gadolinium | 160-2 | 26024 | 25336 | 26024 | 25795 | 1.54 | cps |
| Holmium | 165-1 | 5702277 | 5639121 | 5665657 | 5669018 | 0.56 | cps |
| Holmium | 165-2 | 3878348 | 3916036 | 3905246 | 3899877 | 0.50 | cps |
| Indium | 115-1 | 4426147 | 4454349 | 4525260 | 4468585 | 1.14 | cps |
| Indium | 115-2 | 1697248 | 1697347 | 1666358 | 1686984 | 1.06 | cps |
| Iron | 56-2 | 201589817 | 202104310 | 200820724 | 201504950 | 0.32 | cps |
| Iron | 57-2 | 4996124 | 4993057 | 4964965 | 4984715 | 0.34 | cps |
| Iron | 54-2 | 11223436 | 11141302 | 11093593 | 11152777 | 0.59 | cps |
| Krypton | 83-1 | 170 | 180 | 197 | 182 | 7.39 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-05 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE474 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:50:45 | DataFile Name : | 083SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 216541 | 214929 | 216290 | 215920 | 0.40 | cps |
| Lead | 207-1 | 190817 | 194690 | 192387 | 192631 | 1.01 | cps |
| Lead | 208-1 | 852088 | 855359 | 850878 | 852775 | 0.27 | cps |
| Lithium | 6-1 | 521003 | 513405 | 512741 | 515717 | 0.89 | cps |
| Magnesium | 24-2 | 4751606 | 4723407 | 4746492 | 4740501 | 0.32 | cps |
| Manganese | 55-2 | 4504550 | 4500743 | 4449823 | 4485038 | 0.68 | cps |
| Molybdenum | 94-1 | 41438 | 42000 | 42515 | 41984 | 1.28 | cps |
| Molybdenum | 95-1 | 3704 | 3650 | 3404 | 3586 | 4.46 | cps |
| Molybdenum | 96-1 | 12719 | 12362 | 12722 | 12601 | 1.64 | cps |
| Molybdenum | 97-1 | 2197 | 2277 | 2297 | 2257 | 2.34 | cps |
| Molybdenum | 98-1 | 5805 | 5778 | 5861 | 5815 | 0.73 | cps |
| Neodymium | 150-1 | 69215 | 70143 | 69380 | 69579 | 0.71 | cps |
| Neodymium | 150-2 | 41949 | 41257 | 42069 | 41758 | 1.05 | cps |
| Nickel | 60-2 | 82127 | 82814 | 82375 | 82438 | 0.42 | cps |
| Phosphorus | 31-2 | 17223 | 16789 | 16662 | 16892 | 1.74 | cps |
| Potassium | 39-2 | 3366881 | 3324311 | 3335716 | 3342303 | 0.66 | cps |
| Rhodium | 103-1 | 4264014 | 4283822 | 4311561 | 4286466 | 0.56 | cps |
| Rhodium | 103-2 | 2813464 | 2844939 | 2806744 | 2821716 | 0.72 | cps |
| Scandium | 45-1 | 2585723 | 2565249 | 2566720 | 2572564 | 0.44 | cps |
| Scandium | 45-2 | 297300 | 297461 | 297552 | 297438 | 0.04 | cps |
| Selenium | 82-1 | 355 | 360 | 379 | 364 | 3.48 | cps |
| Selenium | 77-2 | 190 | 130 | 170 | 163 | 18.70 | cps |
| Selenium | 78-2 | 440 | 457 | 470 | 456 | 3.30 | cps |
| Silicon | 28-1 | 7502183 | 7746545 | 7786768 | 7678499 | 2.01 | cps |
| Silver | 107-1 | 3557 | 3547 | 3527 | 3544 | 0.43 | cps |
| Silver | 109-1 | 3681 | 3424 | 3360 | 3488 | 4.86 | cps |
| Sodium | 23-2 | 141271 | 140414 | 142061 | 141249 | 0.58 | cps |
| Strontium | 86-1 | 160401 | 161788 | 165650 | 162613 | 1.67 | cps |
| Strontium | 88-1 | 1424303 | 1393103 | 1393741 | 1403715 | 1.27 | cps |
| Sulfur | 34-1 | 98988 | 99015 | 99686 | 99229 | 0.40 | cps |
| Terbium | 159-1 | 5938714 | 6165033 | 5966016 | 6023255 | 2.05 | cps |
| Terbium | 159-2 | 3859293 | 3776918 | 3857415 | 3831209 | 1.23 | cps |
| Thallium | 203-1 | 1620 | 1670 | 1653 | 1648 | 1.54 | cps |
| Thallium | 205-1 | 4017 | 3734 | 3767 | 3839 | 4.03 | cps |
| Tin | 118-1 | 9026 | 8950 | 9130 | 9035 | 1.00 | cps |
| Titanium | 47-1 | 677501 | 690889 | 695225 | 687872 | 1.34 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-05 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE474 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:50:45 | DataFile Name : | 083SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14221 | 14605 | 14395 | 14407 | 1.33 | cps |
| Vanadium | 51-2 | 393441 | 391263 | 393183 | 392629 | 0.30 | cps |
| Yttrium | 89-1 | 8085287 | 8152630 | 7951904 | 8063273 | 1.27 | cps |
| Yttrium | 89-2 | 2408930 | 2390053 | 2411962 | 2403648 | 0.49 | cps |
| Zinc | 66-2 | 116174 | 116043 | 115291 | 115836 | 0.41 | cps |
| Zirconium | 90-1 | 106644 | 107292 | 110626 | 108187 | 1.98 | cps |
| Zirconium | 91-1 | 24454 | 24644 | 24724 | 24607 | 0.56 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-06 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE475 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:53:57 | DataFile Name : | 084SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6346614 | 6307531 | 6364113 | 6339419 | 0.46 | cps |
| Antimony | 121-1 | 6308 | 6548 | 6542 | 6466 | 2.11 | cps |
| Arsenic | 75-2 | 28110 | 27559 | 28391 | 28020 | 1.51 | cps |
| Barium | 135-1 | 621537 | 637121 | 634774 | 631144 | 1.33 | cps |
| Barium | 137-1 | 1058527 | 1075283 | 1089740 | 1074517 | 1.45 | cps |
| Beryllium | 9-1 | 933 | 853 | 963 | 917 | 6.20 | cps |
| Bismuth | 209-1 | 3778731 | 3701539 | 3483866 | 3654712 | 4.18 | cps |
| Bismuth | 209-2 | 2692532 | 2658268 | 2735945 | 2695582 | 1.44 | cps |
| Bromine | 81-1 | 7916 | 7932 | 7949 | 7932 | 0.21 | cps |
| Bromine | 81-2 | 740 | 760 | 830 | 777 | 6.08 | cps |
| Cadmium | 108-1 | 120 | 123 | 160 | 134 | 16.51 | cps |
| Cadmium | 106-1 | 1257 | 1273 | 1113 | 1215 | 7.24 | cps |
| Cadmium | 111-1 | 2089 | 2108 | 1877 | 2025 | 6.33 | cps |
| Calcium | 43-1 | 240324 | 239000 | 239662 | 239662 | 0.28 | cps |
| Calcium | 44-1 | 3780578 | 3892235 | 3710904 | 3794573 | 2.41 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 246934 | 242659 | 245874 | 245156 | 0.91 | cps |
| Cobalt | 59-2 | 167339 | 168721 | 167949 | 168003 | 0.41 | cps |
| Copper | 63-2 | 502238 | 498489 | 502836 | 501188 | 0.47 | cps |
| Dysprosium | 156-1 | 36958 | 37811 | 38934 | 37901 | 2.61 | cps |
| Dysprosium | 156-2 | 32257 | 32835 | 32932 | 32675 | 1.12 | cps |
| Erbium | 164-1 | 32832 | 33116 | 32097 | 32682 | 1.61 | cps |
| Erbium | 164-2 | 21577 | 21213 | 21263 | 21351 | 0.92 | cps |
| Gadolinium | 160-1 | 36521 | 36808 | 36855 | 36728 | 0.49 | cps |
| Gadolinium | 160-2 | 26448 | 26766 | 26769 | 26661 | 0.69 | cps |
| Holmium | 165-1 | 5753538 | 5716670 | 5898092 | 5789433 | 1.66 | cps |
| Holmium | 165-2 | 3876575 | 3836734 | 3895562 | 3869624 | 0.78 | cps |
| Indium | 115-1 | 4464062 | 4521103 | 4610434 | 4531866 | 1.63 | cps |
| Indium | 115-2 | 1691262 | 1701596 | 1722170 | 1705009 | 0.92 | cps |
| Iron | 56-2 | 184071751 | 181630497 | 182022884 | 182575044 | 0.72 | cps |
| Iron | 57-2 | 4528283 | 4516676 | 4539585 | 4528181 | 0.25 | cps |
| Iron | 54-2 | 10129211 | 10166757 | 10131645 | 10142537 | 0.21 | cps |
| Krypton | 83-1 | 233 | 203 | 243 | 227 | 9.18 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-06 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE475 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:53:57 | DataFile Name : | 084SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 157407 | 160553 | 161258 | 159739 | 1.28 | cps |
| Lead | 207-1 | 130510 | 132684 | 134502 | 132565 | 1.51 | cps |
| Lead | 208-1 | 610264 | 612025 | 615661 | 612650 | 0.45 | cps |
| Lithium | 6-1 | 547881 | 567810 | 528706 | 548132 | 3.57 | cps |
| Magnesium | 24-2 | 4397301 | 4372928 | 4416001 | 4395410 | 0.49 | cps |
| Manganese | 55-2 | 4906240 | 4908763 | 4893239 | 4902747 | 0.17 | cps |
| Molybdenum | 94-1 | 33405 | 33492 | 33194 | 33364 | 0.46 | cps |
| Molybdenum | 95-1 | 5118 | 5491 | 5461 | 5357 | 3.87 | cps |
| Molybdenum | 96-1 | 11655 | 12128 | 12105 | 11963 | 2.23 | cps |
| Molybdenum | 97-1 | 3250 | 2970 | 3220 | 3147 | 4.89 | cps |
| Molybdenum | 98-1 | 8066 | 8443 | 8312 | 8274 | 2.31 | cps |
| Neodymium | 150-1 | 71276 | 71604 | 71708 | 71529 | 0.32 | cps |
| Neodymium | 150-2 | 43323 | 41922 | 42671 | 42639 | 1.64 | cps |
| Nickel | 60-2 | 78638 | 77050 | 78795 | 78161 | 1.24 | cps |
| Phosphorus | 31-2 | 16789 | 17287 | 16749 | 16942 | 1.77 | cps |
| Potassium | 39-2 | 3552721 | 3448376 | 3535323 | 3512140 | 1.59 | cps |
| Rhodium | 103-1 | 4268786 | 4177078 | 4238223 | 4228029 | 1.10 | cps |
| Rhodium | 103-2 | 2814007 | 2816902 | 2856115 | 2829008 | 0.83 | cps |
| Scandium | 45-1 | 2612182 | 2640714 | 2597257 | 2616717 | 0.84 | cps |
| Scandium | 45-2 | 299638 | 295410 | 296853 | 297301 | 0.72 | cps |
| Selenium | 82-1 | 288 | 334 | 323 | 315 | 7.67 | cps |
| Selenium | 77-2 | 127 | 187 | 133 | 149 | 22.09 | cps |
| Selenium | 78-2 | 463 | 377 | 373 | 404 | 12.62 | cps |
| Silicon | 28-1 | 11738386 | 11826617 | 12277679 | 11947561 | 2.42 | cps |
| Silver | 107-1 | 2350 | 2704 | 2557 | 2537 | 7.00 | cps |
| Silver | 109-1 | 2330 | 2407 | 2240 | 2326 | 3.59 | cps |
| Sodium | 23-2 | 133230 | 130823 | 132461 | 132171 | 0.93 | cps |
| Strontium | 86-1 | 150161 | 149777 | 153303 | 151080 | 1.28 | cps |
| Strontium | 88-1 | 1315579 | 1316702 | 1311361 | 1314548 | 0.21 | cps |
| Sulfur | 34-1 | 100967 | 97965 | 97934 | 98955 | 1.76 | cps |
| Terbium | 159-1 | 5975855 | 5872901 | 5774697 | 5874485 | 1.71 | cps |
| Terbium | 159-2 | 3864626 | 3858861 | 3866879 | 3863455 | 0.11 | cps |
| Thallium | 203-1 | 1623 | 1480 | 1723 | 1609 | 7.60 | cps |
| Thallium | 205-1 | 3831 | 3874 | 3874 | 3859 | 0.65 | cps |
| Tin | 118-1 | 8139 | 8543 | 8216 | 8299 | 2.58 | cps |
| Titanium | 47-1 | 686905 | 696625 | 711799 | 698443 | 1.80 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-06 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE475 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:53:57 | DataFile Name : | 084SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14785 | 14838 | 15032 | 14885 | 0.87 | cps |
| Vanadium | 51-2 | 347391 | 346835 | 347952 | 347393 | 0.16 | cps |
| Yttrium | 89-1 | 8443768 | 8323557 | 7892499 | 8219941 | 3.53 | cps |
| Yttrium | 89-2 | 2447109 | 2370001 | 2412696 | 2409936 | 1.60 | cps |
| Zinc | 66-2 | 98814 | 98972 | 98747 | 98845 | 0.12 | cps |
| Zirconium | 90-1 | 80161 | 83180 | 83110 | 82150 | 2.10 | cps |
| Zirconium | 91-1 | 18028 | 18372 | 18735 | 18378 | 1.93 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV038 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV038 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:57:07 | DataFile Name : | 085CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6689679 | 6578161 | 6585597 | 6617812 | 0.94 | cps |
| Antimony | 121-1 | 2763841 | 2884795 | 2854010 | 2834215 | 2.22 | cps |
| Arsenic | 75-2 | 189867 | 188845 | 190324 | 189679 | 0.40 | cps |
| Barium | 135-1 | 3446028 | 3561092 | 3601387 | 3536169 | 2.28 | cps |
| Barium | 137-1 | 6033874 | 6258991 | 6183872 | 6158912 | 1.86 | cps |
| Beryllium | 9-1 | 286338 | 295722 | 295342 | 292467 | 1.82 | cps |
| Bismuth | 209-1 | 3630008 | 3634400 | 3591818 | 3618742 | 0.65 | cps |
| Bismuth | 209-2 | 2625413 | 2640439 | 2667192 | 2644348 | 0.80 | cps |
| Bromine | 81-1 | 5304 | 5264 | 5481 | 5350 | 2.16 | cps |
| Bromine | 81-2 | 70 | 73 | 97 | 80 | 18.17 | cps |
| Cadmium | 108-1 | 45464 | 46742 | 47528 | 46578 | 2.24 | cps |
| Cadmium | 106-1 | 65021 | 67479 | 67861 | 66787 | 2.31 | cps |
| Cadmium | 111-1 | 639864 | 657723 | 654309 | 650632 | 1.46 | cps |
| Calcium | 43-1 | 3227264 | 3345351 | 3311135 | 3294583 | 1.84 | cps |
| Calcium | 44-1 | 52671621 | 53535503 | 53966169 | 53391098 | 1.23 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1326543 | 1307160 | 1302633 | 1312112 | 0.97 | cps |
| Cobalt | 59-2 | 2121985 | 2080828 | 2059449 | 2087421 | 1.52 | cps |
| Copper | 63-2 | 14712390 | 14678030 | 14536686 | 14642369 | 0.64 | cps |
| Dysprosium | 156-1 | 257 | 270 | 213 | 247 | 12.01 | cps |
| Dysprosium | 156-2 | 267 | 270 | 270 | 269 | 0.72 | cps |
| Erbium | 164-1 | 163 | 163 | 227 | 184 | 19.82 | cps |
| Erbium | 164-2 | 143 | 113 | 137 | 131 | 12.01 | cps |
| Gadolinium | 160-1 | 147 | 130 | 137 | 138 | 6.09 | cps |
| Gadolinium | 160-2 | 203 | 260 | 193 | 219 | 16.43 | cps |
| Holmium | 165-1 | 6038929 | 5988108 | 5974840 | 6000626 | 0.56 | cps |
| Holmium | 165-2 | 3976504 | 4054071 | 3998826 | 4009800 | 1.00 | cps |
| Indium | 115-1 | 4646006 | 4637473 | 4527490 | 4603656 | 1.44 | cps |
| Indium | 115-2 | 1660302 | 1671726 | 1681059 | 1671029 | 0.62 | cps |
| Iron | 56-2 | 279985282 | 275689716 | 275858849 | 277177949 | 0.88 | cps |
| Iron | 57-2 | 7053471 | 6985204 | 6923117 | 6987264 | 0.93 | cps |
| Iron | 54-2 | 15514902 | 15330809 | 15250013 | 15365241 | 0.88 | cps |
| Krypton | 83-1 | 197 | 137 | 180 | 171 | 18.10 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV038 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV038 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:57:07 | DataFile Name : | 085CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 9937733 | 10270808 | 10163063 | 10123868 | 1.68 | cps |
| Lead | 207-1 | 8628964 | 8955223 | 8996653 | 8860280 | 2.27 | cps |
| Lead | 208-1 | 39683282 | 40773348 | 40895702 | 40450777 | 1.65 | cps |
| Lithium | 6-1 | 557383 | 575985 | 576542 | 569970 | 1.91 | cps |
| Magnesium | 24-2 | 58125474 | 57791107 | 57724292 | 57880291 | 0.37 | cps |
| Manganese | 55-2 | 9502677 | 9339239 | 9359499 | 9400472 | 0.95 | cps |
| Molybdenum | 94-1 | 10214286 | 10436080 | 10566721 | 10405696 | 1.71 | cps |
| Molybdenum | 95-1 | 14899821 | 15305129 | 15225343 | 15143431 | 1.42 | cps |
| Molybdenum | 96-1 | 16180869 | 16667485 | 16614754 | 16487703 | 1.62 | cps |
| Molybdenum | 97-1 | 9173126 | 9395410 | 9394458 | 9320998 | 1.37 | cps |
| Molybdenum | 98-1 | 23902612 | 24390882 | 24484737 | 24259410 | 1.29 | cps |
| Neodymium | 150-1 | 137 | 200 | 187 | 174 | 19.14 | cps |
| Neodymium | 150-2 | 47 | 107 | 60 | 71 | 44.30 | cps |
| Nickel | 60-2 | 506765 | 503099 | 500886 | 503583 | 0.59 | cps |
| Phosphorus | 31-2 | 78456 | 78932 | 77847 | 78412 | 0.69 | cps |
| Potassium | 39-2 | 38089248 | 37619781 | 37631670 | 37780233 | 0.71 | cps |
| Rhodium | 103-1 | 4312035 | 4203764 | 4208238 | 4241346 | 1.44 | cps |
| Rhodium | 103-2 | 2773145 | 2825026 | 2770180 | 2789450 | 1.11 | cps |
| Scandium | 45-1 | 2601979 | 2511225 | 2556616 | 2556607 | 1.77 | cps |
| Scandium | 45-2 | 293098 | 294555 | 291412 | 293022 | 0.54 | cps |
| Selenium | 82-1 | 39882 | 40914 | 41179 | 40658 | 1.69 | cps |
| Selenium | 77-2 | 4804 | 4747 | 4581 | 4711 | 2.47 | cps |
| Selenium | 78-2 | 16202 | 16045 | 16336 | 16195 | 0.90 | cps |
| Silicon | 28-1 | 17474318 | 17704323 | 17758398 | 17645680 | 0.85 | cps |
| Silver | 107-1 | 3420380 | 3422333 | 3462057 | 3434924 | 0.68 | cps |
| Silver | 109-1 | 3210142 | 3300362 | 3250965 | 3253823 | 1.39 | cps |
| Sodium | 23-2 | 96445225 | 96437199 | 95354052 | 96078825 | 0.65 | cps |
| Strontium | 86-1 | 21194944 | 21847038 | 21481008 | 21507663 | 1.52 | cps |
| Strontium | 88-1 | 187207291 | 190488530 | 189100364 | 188932062 | 0.87 | cps |
| Sulfur | 34-1 | 279501 | 283965 | 285119 | 282861 | 1.05 | cps |
| Terbium | 159-1 | 6161541 | 6176750 | 6101492 | 6146594 | 0.65 | cps |
| Terbium | 159-2 | 3988554 | 3955938 | 3967561 | 3970685 | 0.42 | cps |
| Thallium | 203-1 | 2519411 | 2576076 | 2578433 | 2557973 | 1.31 | cps |
| Thallium | 205-1 | 5808558 | 6039462 | 5973390 | 5940470 | 2.00 | cps |
| Tin | 118-1 | 2187242 | 2233802 | 2215457 | 2212167 | 1.06 | cps |
| Titanium | 47-1 | 3436094 | 3592140 | 3556267 | 3528167 | 2.32 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV038 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV038 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:57:07 | DataFile Name : | 085CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7905182 | 8218583 | 8256207 | 8126657 | 2.37 | cps |
| Vanadium | 51-2 | 1202206 | 1200920 | 1192614 | 1198580 | 0.43 | cps |
| Yttrium | 89-1 | 8155304 | 7971107 | 7936026 | 8020812 | 1.47 | cps |
| Yttrium | 89-2 | 2329083 | 2303342 | 2310238 | 2314221 | 0.58 | cps |
| Zinc | 66-2 | 2482004 | 2451174 | 2453772 | 2462317 | 0.69 | cps |
| Zirconium | 90-1 | 4654579 | 4736638 | 4792726 | 4727981 | 1.47 | cps |
| Zirconium | 91-1 | 1003575 | 1029683 | 1038602 | 1023954 | 1.78 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB038 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB038 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:59:56 | DataFile Name : | 086CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 503 | 497 | 473 | 491 | 3.21 | cps |
| Antimony | 121-1 | 1960 | 1733 | 1763 | 1819 | 6.77 | cps |
| Arsenic | 75-2 | 17 | 20 | 30 | 22 | 31.22 | cps |
| Barium | 135-1 | 800 | 207 | 143 | 383 | 94.52 | cps |
| Barium | 137-1 | 1792 | 307 | 330 | 810 | 105.10 | cps |
| Beryllium | 9-1 | 30 | 23 | 57 | 37 | 48.11 | cps |
| Bismuth | 209-1 | 3949410 | 3762248 | 3679457 | 3797038 | 3.64 | cps |
| Bismuth | 209-2 | 2784021 | 2796425 | 2706830 | 2762425 | 1.76 | cps |
| Bromine | 81-1 | 5238 | 5381 | 5238 | 5285 | 1.57 | cps |
| Bromine | 81-2 | 57 | 80 | 50 | 62 | 25.32 | cps |
| Cadmium | 108-1 | 10 | 0 | 13 | 8 | 89.21 | cps |
| Cadmium | 106-1 | 1087 | 1143 | 1163 | 1131 | 3.52 | cps |
| Cadmium | 111-1 | 807 | 860 | 855 | 841 | 3.49 | cps |
| Calcium | 43-1 | 357 | 293 | 243 | 298 | 19.07 | cps |
| Calcium | 44-1 | 12072 | 11351 | 10944 | 11456 | 4.98 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 663 | 687 | 627 | 659 | 4.59 | cps |
| Cobalt | 59-2 | 127 | 140 | 177 | 148 | 17.52 | cps |
| Copper | 63-2 | 1347 | 1273 | 1527 | 1382 | 9.43 | cps |
| Dysprosium | 156-1 | 123 | 83 | 100 | 102 | 19.66 | cps |
| Dysprosium | 156-2 | 33 | 27 | 27 | 29 | 13.31 | cps |
| Erbium | 164-1 | 83 | 53 | 47 | 61 | 31.96 | cps |
| Erbium | 164-2 | 20 | 17 | 30 | 22 | 31.22 | cps |
| Gadolinium | 160-1 | 40 | 30 | 20 | 30 | 33.33 | cps |
| Gadolinium | 160-2 | 187 | 190 | 147 | 174 | 13.82 | cps |
| Holmium | 165-1 | 6208095 | 5961096 | 5828207 | 5999132 | 3.21 | cps |
| Holmium | 165-2 | 3904960 | 3981155 | 3703293 | 3863136 | 3.72 | cps |
| Indium | 115-1 | 4919504 | 4841803 | 4751827 | 4837711 | 1.73 | cps |
| Indium | 115-2 | 1743971 | 1737159 | 1708550 | 1729893 | 1.09 | cps |
| Iron | 56-2 | 21659 | 20674 | 20524 | 20953 | 2.94 | cps |
| Iron | 57-2 | 2930 | 3020 | 2774 | 2908 | 4.29 | cps |
| Iron | 54-2 | 1887 | 1897 | 1857 | 1880 | 1.11 | cps |
| Krypton | 83-1 | 160 | 183 | 207 | 183 | 12.73 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB038 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB038 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:59:56 | DataFile Name : | 086CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1490 | 883 | 853 | 1076 | 33.41 | cps |
| Lead | 207-1 | 1123 | 797 | 687 | 869 | 26.14 | cps |
| Lead | 208-1 | 5001 | 3607 | 3247 | 3952 | 23.44 | cps |
| Lithium | 6-1 | 577216 | 564900 | 559694 | 567270 | 1.59 | cps |
| Magnesium | 24-2 | 2567 | 2427 | 2590 | 2528 | 3.50 | cps |
| Manganese | 55-2 | 707 | 597 | 603 | 636 | 9.70 | cps |
| Molybdenum | 94-1 | 960 | 930 | 790 | 893 | 10.16 | cps |
| Molybdenum | 95-1 | 1077 | 897 | 913 | 962 | 10.34 | cps |
| Molybdenum | 96-1 | 1140 | 1180 | 1177 | 1166 | 1.90 | cps |
| Molybdenum | 97-1 | 757 | 560 | 637 | 651 | 15.22 | cps |
| Molybdenum | 98-1 | 1853 | 1620 | 1603 | 1692 | 8.26 | cps |
| Neodymium | 150-1 | 70 | 17 | 0 | 29 | 126.57 | cps |
| Neodymium | 150-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Nickel | 60-2 | 110 | 100 | 87 | 99 | 11.84 | cps |
| Phosphorus | 31-2 | 140 | 87 | 107 | 111 | 24.25 | cps |
| Potassium | 39-2 | 82391 | 82475 | 80987 | 81951 | 1.02 | cps |
| Rhodium | 103-1 | 4580929 | 4478502 | 4408427 | 4489286 | 1.93 | cps |
| Rhodium | 103-2 | 2930348 | 2956087 | 2832465 | 2906300 | 2.24 | cps |
| Scandium | 45-1 | 2654672 | 2622089 | 2576222 | 2617661 | 1.51 | cps |
| Scandium | 45-2 | 291116 | 287459 | 277377 | 285317 | 2.49 | cps |
| Selenium | 82-1 | 301 | 264 | 239 | 268 | 11.56 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 330 | 417 | 313 | 353 | 15.70 | cps |
| Silicon | 28-1 | 182725 | 178080 | 177561 | 179455 | 1.58 | cps |
| Silver | 107-1 | 954 | 363 | 277 | 531 | 69.37 | cps |
| Silver | 109-1 | 440 | 300 | 240 | 327 | 31.42 | cps |
| Sodium | 23-2 | 44484 | 43324 | 43281 | 43696 | 1.56 | cps |
| Strontium | 86-1 | 1290 | 1110 | 960 | 1120 | 14.75 | cps |
| Strontium | 88-1 | 9624 | 7442 | 6768 | 7945 | 18.79 | cps |
| Sulfur | 34-1 | 121894 | 125635 | 124099 | 123876 | 1.52 | cps |
| Terbium | 159-1 | 6273940 | 6076744 | 6000265 | 6116983 | 2.31 | cps |
| Terbium | 159-2 | 3992215 | 3927341 | 3776186 | 3898581 | 2.84 | cps |
| Thallium | 203-1 | 630 | 487 | 477 | 531 | 16.15 | cps |
| Thallium | 205-1 | 1433 | 980 | 940 | 1118 | 24.52 | cps |
| Tin | 118-1 | 1397 | 1357 | 1327 | 1360 | 2.58 | cps |
| Titanium | 47-1 | 317 | 203 | 233 | 251 | 23.39 | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB038 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB038 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 16:59:56 | DataFile Name : | 086CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 543 | 317 | 277 | 379 | 37.96 | cps |
| Vanadium | 51-2 | 43 | 47 | 43 | 44 | 4.34 | cps |
| Yttrium | 89-1 | 8232771 | 7972933 | 7778988 | 7994898 | 2.85 | cps |
| Yttrium | 89-2 | 2314639 | 2327648 | 2206035 | 2282774 | 2.93 | cps |
| Zinc | 66-2 | 367 | 420 | 407 | 398 | 6.98 | cps |
| Zirconium | 90-1 | 663 | 617 | 557 | 612 | 8.73 | cps |
| Zirconium | 91-1 | 123 | 163 | 97 | 128 | 26.26 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-07 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE476 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:03:12 | DataFile Name : | 087SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 8457513 | 8524704 | 8478063 | 8486760 | 0.41 | cps |
| Antimony | 121-1 | 10177 | 9994 | 10214 | 10128 | 1.16 | cps |
| Arsenic | 75-2 | 37671 | 36919 | 36665 | 37085 | 1.41 | cps |
| Barium | 135-1 | 783379 | 792472 | 789948 | 788600 | 0.60 | cps |
| Barium | 137-1 | 1352632 | 1363485 | 1379007 | 1365041 | 0.97 | cps |
| Beryllium | 9-1 | 1190 | 1163 | 1053 | 1136 | 6.38 | cps |
| Bismuth | 209-1 | 3611735 | 3566386 | 3575439 | 3584520 | 0.67 | cps |
| Bismuth | 209-2 | 2744104 | 2652177 | 2647807 | 2681363 | 2.03 | cps |
| Bromine | 81-1 | 7916 | 8596 | 8759 | 8424 | 5.31 | cps |
| Bromine | 81-2 | 897 | 827 | 883 | 869 | 4.28 | cps |
| Cadmium | 108-1 | 213 | 220 | 277 | 237 | 14.70 | cps |
| Cadmium | 106-1 | 1550 | 1380 | 1560 | 1497 | 6.76 | cps |
| Cadmium | 111-1 | 2686 | 2572 | 2572 | 2610 | 2.52 | cps |
| Calcium | 43-1 | 325414 | 336579 | 335480 | 332491 | 1.85 | cps |
| Calcium | 44-1 | 5163919 | 5255314 | 5285937 | 5235057 | 1.21 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 325806 | 320650 | 323549 | 323335 | 0.80 | cps |
| Cobalt | 59-2 | 219131 | 217386 | 215617 | 217378 | 0.81 | cps |
| Copper | 63-2 | 758778 | 751188 | 752794 | 754253 | 0.53 | cps |
| Dysprosium | 156-1 | 49574 | 49965 | 50788 | 50109 | 1.24 | cps |
| Dysprosium | 156-2 | 43460 | 42838 | 43922 | 43407 | 1.25 | cps |
| Erbium | 164-1 | 41739 | 42297 | 42036 | 42024 | 0.66 | cps |
| Erbium | 164-2 | 27981 | 27170 | 27557 | 27569 | 1.47 | cps |
| Gadolinium | 160-1 | 48066 | 49520 | 48972 | 48853 | 1.50 | cps |
| Gadolinium | 160-2 | 34679 | 34813 | 34292 | 34595 | 0.78 | cps |
| Holmium | 165-1 | 5762306 | 5768101 | 5736819 | 5755742 | 0.29 | cps |
| Holmium | 165-2 | 3981002 | 3904064 | 3937882 | 3940983 | 0.98 | cps |
| Indium | 115-1 | 4611352 | 4646491 | 4550338 | 4602727 | 1.06 | cps |
| Indium | 115-2 | 1757455 | 1720599 | 1722884 | 1733646 | 1.19 | cps |
| Iron | 56-2 | 253779210 | 248725243 | 250768483 | 251090978 | 1.01 | cps |
| Iron | 57-2 | 6333755 | 6158901 | 6189124 | 6227260 | 1.50 | cps |
| Iron | 54-2 | 14036868 | 13739803 | 13891903 | 13889525 | 1.07 | cps |
| Krypton | 83-1 | 180 | 257 | 223 | 220 | 17.47 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-07 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE476 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:03:12 | DataFile Name : | 087SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 216643 | 219627 | 217060 | 217777 | 0.74 | cps |
| Lead | 207-1 | 183969 | 189584 | 186206 | 186586 | 1.51 | cps |
| Lead | 208-1 | 842358 | 857101 | 851133 | 850197 | 0.87 | cps |
| Lithium | 6-1 | 550128 | 531209 | 524942 | 535426 | 2.45 | cps |
| Magnesium | 24-2 | 6037603 | 5966304 | 5903165 | 5969024 | 1.13 | cps |
| Manganese | 55-2 | 5957608 | 5835340 | 5857812 | 5883587 | 1.11 | cps |
| Molybdenum | 94-1 | 43835 | 45320 | 44875 | 44677 | 1.71 | cps |
| Molybdenum | 95-1 | 5604 | 5741 | 5768 | 5705 | 1.54 | cps |
| Molybdenum | 96-1 | 14737 | 14971 | 15268 | 14992 | 1.77 | cps |
| Molybdenum | 97-1 | 3500 | 3457 | 3757 | 3572 | 4.54 | cps |
| Molybdenum | 98-1 | 8679 | 8686 | 8769 | 8712 | 0.58 | cps |
| Neodymium | 150-1 | 93387 | 97259 | 94742 | 95129 | 2.07 | cps |
| Neodymium | 150-2 | 57145 | 56095 | 55556 | 56265 | 1.44 | cps |
| Nickel | 60-2 | 101028 | 101517 | 99703 | 100749 | 0.93 | cps |
| Phosphorus | 31-2 | 24286 | 23705 | 24046 | 24012 | 1.22 | cps |
| Potassium | 39-2 | 4781299 | 4656924 | 4703178 | 4713800 | 1.33 | cps |
| Rhodium | 103-1 | 4259329 | 4271944 | 4328387 | 4286553 | 0.86 | cps |
| Rhodium | 103-2 | 2874590 | 2830254 | 2833465 | 2846103 | 0.87 | cps |
| Scandium | 45-1 | 2725022 | 2768788 | 2715100 | 2736304 | 1.04 | cps |
| Scandium | 45-2 | 314673 | 313849 | 312993 | 313838 | 0.27 | cps |
| Selenium | 82-1 | 416 | 356 | 408 | 393 | 8.33 | cps |
| Selenium | 77-2 | 203 | 220 | 213 | 212 | 3.95 | cps |
| Selenium | 78-2 | 523 | 503 | 470 | 499 | 5.40 | cps |
| Silicon | 28-1 | 9725347 | 9814005 | 9819684 | 9786346 | 0.54 | cps |
| Silver | 107-1 | 3777 | 3744 | 3701 | 3741 | 1.03 | cps |
| Silver | 109-1 | 3520 | 3410 | 3470 | 3467 | 1.59 | cps |
| Sodium | 23-2 | 180441 | 180117 | 178620 | 179726 | 0.54 | cps |
| Strontium | 86-1 | 207555 | 211359 | 213413 | 210776 | 1.41 | cps |
| Strontium | 88-1 | 1886548 | 1937213 | 1952118 | 1925293 | 1.79 | cps |
| Sulfur | 34-1 | 121256 | 115949 | 110462 | 115889 | 4.66 | cps |
| Terbium | 159-1 | 5957548 | 5895377 | 5909122 | 5920682 | 0.55 | cps |
| Terbium | 159-2 | 3878089 | 3911437 | 3842525 | 3877350 | 0.89 | cps |
| Thallium | 203-1 | 2354 | 2357 | 2427 | 2379 | 1.74 | cps |
| Thallium | 205-1 | 5555 | 5731 | 5548 | 5611 | 1.85 | cps |
| Tin | 118-1 | 9130 | 9406 | 9717 | 9418 | 3.12 | cps |
| Titanium | 47-1 | 846581 | 873029 | 874668 | 864759 | 1.82 | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-07 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE476 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:03:12 | DataFile Name : | 087SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 18259 | 18760 | 18276 | 18432 | 1.54 | cps |
| Vanadium | 51-2 | 476712 | 475460 | 471809 | 474661 | 0.54 | cps |
| Yttrium | 89-1 | 8469818 | 8494842 | 8461227 | 8475296 | 0.21 | cps |
| Yttrium | 89-2 | 2477007 | 2507737 | 2505030 | 2496592 | 0.68 | cps |
| Zinc | 66-2 | 139632 | 137241 | 136962 | 137945 | 1.06 | cps |
| Zirconium | 90-1 | 112287 | 114368 | 115243 | 113966 | 1.33 | cps |
| Zirconium | 91-1 | 25041 | 25756 | 25412 | 25403 | 1.41 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-08 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE477 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:06:23 | DataFile Name : | 088SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6597472 | 6625729 | 6594571 | 6605924 | 0.26 | cps |
| Antimony | 121-1 | 13206 | 13143 | 13923 | 13424 | 3.23 | cps |
| Arsenic | 75-2 | 44182 | 43898 | 43119 | 43733 | 1.26 | cps |
| Barium | 135-1 | 650564 | 657294 | 662194 | 656684 | 0.89 | cps |
| Barium | 137-1 | 1126754 | 1137394 | 1133669 | 1132606 | 0.48 | cps |
| Beryllium | 9-1 | 923 | 963 | 990 | 959 | 3.50 | cps |
| Bismuth | 209-1 | 3639394 | 3574211 | 3512837 | 3575481 | 1.77 | cps |
| Bismuth | 209-2 | 2626058 | 2725186 | 2651479 | 2667574 | 1.93 | cps |
| Bromine | 81-1 | 6938 | 7025 | 7138 | 7034 | 1.43 | cps |
| Bromine | 81-2 | 607 | 507 | 543 | 552 | 9.16 | cps |
| Cadmium | 108-1 | 283 | 323 | 350 | 319 | 10.52 | cps |
| Cadmium | 106-1 | 1693 | 1763 | 1537 | 1665 | 6.97 | cps |
| Cadmium | 111-1 | 4434 | 4509 | 4475 | 4472 | 0.83 | cps |
| Calcium | 43-1 | 391722 | 400368 | 402370 | 398153 | 1.42 | cps |
| Calcium | 44-1 | 6202617 | 6246329 | 6345288 | 6264745 | 1.17 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 268851 | 270767 | 267922 | 269180 | 0.54 | cps |
| Cobalt | 59-2 | 180914 | 184028 | 180549 | 181830 | 1.05 | cps |
| Copper | 63-2 | 1227226 | 1228763 | 1222493 | 1226160 | 0.27 | cps |
| Dysprosium | 156-1 | 40034 | 40669 | 41518 | 40740 | 1.83 | cps |
| Dysprosium | 156-2 | 35000 | 35919 | 35207 | 35376 | 1.36 | cps |
| Erbium | 164-1 | 33316 | 33303 | 34138 | 33586 | 1.42 | cps |
| Erbium | 164-2 | 22108 | 22181 | 22365 | 22218 | 0.60 | cps |
| Gadolinium | 160-1 | 39198 | 39305 | 39161 | 39221 | 0.19 | cps |
| Gadolinium | 160-2 | 28820 | 28021 | 27664 | 28168 | 2.10 | cps |
| Holmium | 165-1 | 5709521 | 5818313 | 5598041 | 5708625 | 1.93 | cps |
| Holmium | 165-2 | 3854729 | 3901548 | 3928026 | 3894768 | 0.95 | cps |
| Indium | 115-1 | 4580228 | 4605995 | 4521896 | 4569373 | 0.94 | cps |
| Indium | 115-2 | 1765674 | 1695622 | 1697628 | 1719641 | 2.32 | cps |
| Iron | 56-2 | 208988264 | 208323184 | 208128910 | 208480119 | 0.22 | cps |
| Iron | 57-2 | 5159078 | 5166607 | 5182739 | 5169475 | 0.23 | cps |
| Iron | 54-2 | 11570795 | 11480992 | 11561424 | 11537737 | 0.43 | cps |
| Krypton | 83-1 | 160 | 217 | 260 | 212 | 23.63 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-08 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE477 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:06:23 | DataFile Name : | 088SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 358500 | 361399 | 366914 | 362271 | 1.18 | cps |
| Lead | 207-1 | 310894 | 317088 | 316940 | 314974 | 1.12 | cps |
| Lead | 208-1 | 1416423 | 1435480 | 1440081 | 1430661 | 0.88 | cps |
| Lithium | 6-1 | 530863 | 536566 | 527963 | 531798 | 0.82 | cps |
| Magnesium | 24-2 | 4875359 | 4910495 | 4892458 | 4892771 | 0.36 | cps |
| Manganese | 55-2 | 4689423 | 4640051 | 4638921 | 4656132 | 0.62 | cps |
| Molybdenum | 94-1 | 53397 | 55131 | 55033 | 54520 | 1.79 | cps |
| Molybdenum | 95-1 | 4167 | 4371 | 4404 | 4314 | 2.97 | cps |
| Molybdenum | 96-1 | 14641 | 14824 | 14921 | 14795 | 0.96 | cps |
| Molybdenum | 97-1 | 2614 | 2517 | 2740 | 2624 | 4.27 | cps |
| Molybdenum | 98-1 | 6718 | 6465 | 6825 | 6669 | 2.77 | cps |
| Neodymium | 150-1 | 76717 | 77994 | 78818 | 77843 | 1.36 | cps |
| Neodymium | 150-2 | 46503 | 45677 | 45844 | 46008 | 0.95 | cps |
| Nickel | 60-2 | 93432 | 92369 | 91487 | 92429 | 1.05 | cps |
| Phosphorus | 31-2 | 21866 | 22156 | 22256 | 22093 | 0.92 | cps |
| Potassium | 39-2 | 4291452 | 4428757 | 4372245 | 4364151 | 1.58 | cps |
| Rhodium | 103-1 | 4300385 | 4323930 | 4238977 | 4287764 | 1.02 | cps |
| Rhodium | 103-2 | 2867467 | 2839290 | 2829973 | 2845577 | 0.69 | cps |
| Scandium | 45-1 | 2721617 | 2685166 | 2632866 | 2679883 | 1.66 | cps |
| Scandium | 45-2 | 303998 | 307283 | 305177 | 305486 | 0.54 | cps |
| Selenium | 82-1 | 462 | 364 | 317 | 381 | 19.53 | cps |
| Selenium | 77-2 | 147 | 120 | 173 | 147 | 18.18 | cps |
| Selenium | 78-2 | 433 | 477 | 427 | 446 | 6.09 | cps |
| Silicon | 28-1 | 11064013 | 11233037 | 11095810 | 11130953 | 0.81 | cps |
| Silver | 107-1 | 7272 | 7469 | 7475 | 7405 | 1.56 | cps |
| Silver | 109-1 | 6845 | 7552 | 7355 | 7251 | 5.03 | cps |
| Sodium | 23-2 | 145308 | 147391 | 144676 | 145792 | 0.97 | cps |
| Strontium | 86-1 | 175626 | 177103 | 179333 | 177354 | 1.05 | cps |
| Strontium | 88-1 | 1596353 | 1609881 | 1629062 | 1611766 | 1.02 | cps |
| Sulfur | 34-1 | 105067 | 103786 | 104786 | 104546 | 0.64 | cps |
| Terbium | 159-1 | 5945399 | 5850537 | 5727642 | 5841193 | 1.87 | cps |
| Terbium | 159-2 | 3912526 | 3835615 | 3858166 | 3868769 | 1.02 | cps |
| Thallium | 203-1 | 2107 | 2047 | 2067 | 2074 | 1.47 | cps |
| Thallium | 205-1 | 4841 | 4891 | 4868 | 4866 | 0.51 | cps |
| Tin | 118-1 | 10931 | 11114 | 10951 | 10999 | 0.92 | cps |
| Titanium | 47-1 | 772001 | 778552 | 784634 | 778396 | 0.81 | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-08 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE477 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:06:23 | DataFile Name : | 088SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14528 | 14491 | 14208 | 14409 | 1.22 | cps |
| Vanadium | 51-2 | 409200 | 412015 | 406658 | 409291 | 0.65 | cps |
| Yttrium | 89-1 | 8265733 | 8254110 | 8069245 | 8196363 | 1.34 | cps |
| Yttrium | 89-2 | 2460542 | 2412028 | 2430661 | 2434410 | 1.01 | cps |
| Zinc | 66-2 | 162383 | 161790 | 163015 | 162396 | 0.38 | cps |
| Zirconium | 90-1 | 139951 | 140566 | 143743 | 141420 | 1.44 | cps |
| Zirconium | 91-1 | 31227 | 32022 | 31982 | 31743 | 1.41 | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-09 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE478 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:09:32 | DataFile Name : | 089SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6981771 | 6883912 | 6911326 | 6925670 | 0.73 | cps |
| Antimony | 121-1 | 12903 | 12966 | 13043 | 12970 | 0.54 | cps |
| Arsenic | 75-2 | 48954 | 47840 | 46717 | 47837 | 2.34 | cps |
| Barium | 135-1 | 735566 | 739681 | 743599 | 739615 | 0.54 | cps |
| Barium | 137-1 | 1267738 | 1278870 | 1279167 | 1275259 | 0.51 | cps |
| Beryllium | 9-1 | 950 | 977 | 1003 | 977 | 2.73 | cps |
| Bismuth | 209-1 | 3600351 | 3523159 | 3575502 | 3566337 | 1.10 | cps |
| Bismuth | 209-2 | 2670887 | 2650322 | 2608826 | 2643345 | 1.20 | cps |
| Bromine | 81-1 | 6702 | 6698 | 6738 | 6713 | 0.33 | cps |
| Bromine | 81-2 | 530 | 397 | 473 | 467 | 14.34 | cps |
| Cadmium | 108-1 | 340 | 373 | 333 | 349 | 6.14 | cps |
| Cadmium | 106-1 | 1847 | 1657 | 1553 | 1686 | 8.83 | cps |
| Cadmium | 111-1 | 4415 | 4459 | 4381 | 4418 | 0.88 | cps |
| Calcium | 43-1 | 596887 | 606482 | 612831 | 605400 | 1.33 | cps |
| Calcium | 44-1 | 9333123 | 9524909 | 9561705 | 9473246 | 1.30 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 276928 | 276701 | 273147 | 275592 | 0.77 | cps |
| Cobalt | 59-2 | 205220 | 205123 | 202029 | 204124 | 0.89 | cps |
| Copper | 63-2 | 1266036 | 1255623 | 1251064 | 1257574 | 0.61 | cps |
| Dysprosium | 156-1 | 43313 | 44079 | 45025 | 44139 | 1.94 | cps |
| Dysprosium | 156-2 | 38630 | 38944 | 38516 | 38696 | 0.57 | cps |
| Erbium | 164-1 | 35141 | 35933 | 35158 | 35410 | 1.28 | cps |
| Erbium | 164-2 | 24108 | 23083 | 23473 | 23554 | 2.20 | cps |
| Gadolinium | 160-1 | 41247 | 41160 | 42718 | 41709 | 2.10 | cps |
| Gadolinium | 160-2 | 30169 | 29962 | 30149 | 30094 | 0.38 | cps |
| Holmium | 165-1 | 5665466 | 5824223 | 5717413 | 5735701 | 1.41 | cps |
| Holmium | 165-2 | 3942953 | 3861039 | 3885516 | 3896503 | 1.08 | cps |
| Indium | 115-1 | 4583204 | 4620338 | 4595798 | 4599780 | 0.41 | cps |
| Indium | 115-2 | 1741643 | 1711899 | 1696244 | 1716595 | 1.34 | cps |
| Iron | 56-2 | 222272303 | 222058030 | 216203203 | 220177846 | 1.56 | cps |
| Iron | 57-2 | 5478884 | 5446284 | 5413730 | 5446299 | 0.60 | cps |
| Iron | 54-2 | 12192520 | 12185263 | 12002464 | 12126749 | 0.89 | cps |
| Krypton | 83-1 | 177 | 203 | 277 | 219 | 23.66 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-09 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE478 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:09:32 | DataFile Name : | 089SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 376901 | 385709 | 381920 | 381510 | 1.16 | cps |
| Lead | 207-1 | 327935 | 330621 | 332430 | 330329 | 0.68 | cps |
| Lead | 208-1 | 1487280 | 1510440 | 1512714 | 1503478 | 0.94 | cps |
| Lithium | 6-1 | 533909 | 537186 | 525815 | 532303 | 1.10 | cps |
| Magnesium | 24-2 | 5462376 | 5394955 | 5363958 | 5407097 | 0.93 | cps |
| Manganese | 55-2 | 5642357 | 5633504 | 5486055 | 5587305 | 1.57 | cps |
| Molybdenum | 94-1 | 57539 | 58677 | 58700 | 58306 | 1.14 | cps |
| Molybdenum | 95-1 | 4141 | 4127 | 4341 | 4203 | 2.84 | cps |
| Molybdenum | 96-1 | 15225 | 15485 | 16116 | 15608 | 2.94 | cps |
| Molybdenum | 97-1 | 2647 | 2597 | 2630 | 2625 | 0.97 | cps |
| Molybdenum | 98-1 | 6638 | 6475 | 6545 | 6553 | 1.25 | cps |
| Neodymium | 150-1 | 82774 | 84062 | 85239 | 84025 | 1.47 | cps |
| Neodymium | 150-2 | 49650 | 49871 | 49179 | 49567 | 0.71 | cps |
| Nickel | 60-2 | 104022 | 104317 | 103427 | 103922 | 0.44 | cps |
| Phosphorus | 31-2 | 24203 | 24009 | 23625 | 23945 | 1.23 | cps |
| Potassium | 39-2 | 4426625 | 4413222 | 4385391 | 4408413 | 0.48 | cps |
| Rhodium | 103-1 | 4261189 | 4321527 | 4256048 | 4279588 | 0.85 | cps |
| Rhodium | 103-2 | 2895188 | 2847975 | 2822060 | 2855074 | 1.30 | cps |
| Scandium | 45-1 | 2704492 | 2662730 | 2672288 | 2679836 | 0.82 | cps |
| Scandium | 45-2 | 311176 | 307120 | 303674 | 307323 | 1.22 | cps |
| Selenium | 82-1 | 396 | 430 | 381 | 403 | 6.19 | cps |
| Selenium | 77-2 | 157 | 160 | 180 | 166 | 7.62 | cps |
| Selenium | 78-2 | 520 | 467 | 527 | 504 | 6.52 | cps |
| Silicon | 28-1 | 12304423 | 12235696 | 12600726 | 12380282 | 1.57 | cps |
| Silver | 107-1 | 6575 | 7012 | 6718 | 6768 | 3.29 | cps |
| Silver | 109-1 | 6378 | 6348 | 6251 | 6326 | 1.05 | cps |
| Sodium | 23-2 | 195755 | 194676 | 194108 | 194846 | 0.43 | cps |
| Strontium | 86-1 | 188738 | 192770 | 195371 | 192293 | 1.74 | cps |
| Strontium | 88-1 | 1756985 | 1733420 | 1776619 | 1755674 | 1.23 | cps |
| Sulfur | 34-1 | 107363 | 108958 | 109928 | 108750 | 1.19 | cps |
| Terbium | 159-1 | 5827855 | 5915224 | 5881782 | 5874954 | 0.75 | cps |
| Terbium | 159-2 | 3957102 | 3916150 | 3878295 | 3917183 | 1.01 | cps |
| Thallium | 203-1 | 2174 | 2307 | 2200 | 2227 | 3.17 | cps |
| Thallium | 205-1 | 4934 | 5218 | 4938 | 5030 | 3.23 | cps |
| Tin | 118-1 | 10851 | 10924 | 11131 | 10969 | 1.32 | cps |
| Titanium | 47-1 | 791368 | 804500 | 804785 | 800218 | 0.96 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-09 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE478 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:09:32 | DataFile Name : | 089SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 15262 | 15823 | 15693 | 15593 | 1.88 | cps |
| Vanadium | 51-2 | 427181 | 427641 | 425385 | 426735 | 0.28 | cps |
| Yttrium | 89-1 | 8316710 | 8256017 | 8262685 | 8278471 | 0.40 | cps |
| Yttrium | 89-2 | 2516882 | 2464797 | 2421385 | 2467688 | 1.94 | cps |
| Zinc | 66-2 | 171483 | 169669 | 169528 | 170227 | 0.64 | cps |
| Zirconium | 90-1 | 150767 | 153616 | 153901 | 152761 | 1.13 | cps |
| Zirconium | 91-1 | 32870 | 33455 | 34267 | 33531 | 2.09 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-10 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE479 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:12:42 | DataFile Name : | 090SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5870543 | 5844873 | 5812625 | 5842680 | 0.50 | cps |
| Antimony | 121-1 | 8876 | 8940 | 9063 | 8960 | 1.06 | cps |
| Arsenic | 75-2 | 30511 | 31133 | 31109 | 30918 | 1.14 | cps |
| Barium | 135-1 | 705308 | 718150 | 723657 | 715705 | 1.32 | cps |
| Barium | 137-1 | 1224010 | 1241631 | 1249750 | 1238464 | 1.06 | cps |
| Beryllium | 9-1 | 727 | 697 | 793 | 739 | 6.70 | cps |
| Bismuth | 209-1 | 3510818 | 3514273 | 3478705 | 3501265 | 0.56 | cps |
| Bismuth | 209-2 | 2639093 | 2641893 | 2629826 | 2636938 | 0.24 | cps |
| Bromine | 81-1 | 6441 | 6622 | 6732 | 6598 | 2.22 | cps |
| Bromine | 81-2 | 407 | 373 | 537 | 439 | 19.66 | cps |
| Cadmium | 108-1 | 130 | 187 | 210 | 176 | 23.43 | cps |
| Cadmium | 106-1 | 1420 | 1507 | 1367 | 1431 | 4.94 | cps |
| Cadmium | 111-1 | 1570 | 1747 | 1603 | 1640 | 5.76 | cps |
| Calcium | 43-1 | 668937 | 685220 | 683647 | 679268 | 1.32 | cps |
| Calcium | 44-1 | 10676737 | 10711763 | 10690704 | 10693068 | 0.16 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 239083 | 237277 | 236335 | 237565 | 0.59 | cps |
| Cobalt | 59-2 | 168562 | 167436 | 166544 | 167514 | 0.60 | cps |
| Copper | 63-2 | 373055 | 369653 | 364876 | 369195 | 1.11 | cps |
| Dysprosium | 156-1 | 31726 | 33182 | 33092 | 32667 | 2.50 | cps |
| Dysprosium | 156-2 | 28405 | 28916 | 28369 | 28564 | 1.07 | cps |
| Erbium | 164-1 | 25951 | 27340 | 25964 | 26418 | 3.02 | cps |
| Erbium | 164-2 | 17892 | 17481 | 17978 | 17784 | 1.49 | cps |
| Gadolinium | 160-1 | 30470 | 31315 | 31125 | 30970 | 1.43 | cps |
| Gadolinium | 160-2 | 22335 | 22411 | 22234 | 22327 | 0.40 | cps |
| Holmium | 165-1 | 5801538 | 5695643 | 5648500 | 5715227 | 1.37 | cps |
| Holmium | 165-2 | 3802268 | 3863308 | 3808463 | 3824680 | 0.88 | cps |
| Indium | 115-1 | 4622676 | 4563315 | 4555384 | 4580458 | 0.80 | cps |
| Indium | 115-2 | 1686967 | 1673484 | 1692794 | 1684415 | 0.59 | cps |
| Iron | 56-2 | 192640170 | 191296677 | 190922350 | 191619733 | 0.47 | cps |
| Iron | 57-2 | 4780375 | 4810030 | 4758217 | 4782874 | 0.54 | cps |
| Iron | 54-2 | 10747832 | 10556681 | 10523805 | 10609440 | 1.14 | cps |
| Krypton | 83-1 | 210 | 240 | 213 | 221 | 7.44 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-10 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE479 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:12:42 | DataFile Name : | 090SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 102315 | 103692 | 103910 | 103305 | 0.84 | cps |
| Lead | 207-1 | 85152 | 87493 | 87805 | 86816 | 1.67 | cps |
| Lead | 208-1 | 394278 | 403163 | 403160 | 400200 | 1.28 | cps |
| Lithium | 6-1 | 538389 | 526418 | 517926 | 527578 | 1.95 | cps |
| Magnesium | 24-2 | 5888252 | 5883685 | 5802523 | 5858153 | 0.82 | cps |
| Manganese | 55-2 | 3500835 | 3462530 | 3482727 | 3482031 | 0.55 | cps |
| Molybdenum | 94-1 | 55869 | 56713 | 56850 | 56477 | 0.94 | cps |
| Molybdenum | 95-1 | 2550 | 2754 | 2797 | 2700 | 4.88 | cps |
| Molybdenum | 96-1 | 13620 | 13713 | 13366 | 13566 | 1.32 | cps |
| Molybdenum | 97-1 | 1463 | 1583 | 1657 | 1568 | 6.23 | cps |
| Molybdenum | 98-1 | 4044 | 4011 | 3994 | 4016 | 0.63 | cps |
| Neodymium | 150-1 | 62916 | 64610 | 66054 | 64527 | 2.43 | cps |
| Neodymium | 150-2 | 38646 | 37393 | 38382 | 38140 | 1.73 | cps |
| Nickel | 60-2 | 93378 | 91668 | 91943 | 92330 | 0.99 | cps |
| Phosphorus | 31-2 | 17513 | 17961 | 17363 | 17612 | 1.76 | cps |
| Potassium | 39-2 | 2048143 | 2020730 | 2030489 | 2033121 | 0.68 | cps |
| Rhodium | 103-1 | 4367073 | 4249820 | 4188307 | 4268400 | 2.13 | cps |
| Rhodium | 103-2 | 2801744 | 2778075 | 2792918 | 2790912 | 0.43 | cps |
| Scandium | 45-1 | 2648758 | 2663108 | 2634786 | 2648884 | 0.53 | cps |
| Scandium | 45-2 | 296048 | 297440 | 297414 | 296967 | 0.27 | cps |
| Selenium | 82-1 | 307 | 283 | 316 | 302 | 5.61 | cps |
| Selenium | 77-2 | 157 | 137 | 103 | 132 | 20.38 | cps |
| Selenium | 78-2 | 463 | 517 | 353 | 444 | 18.74 | cps |
| Silicon | 28-1 | 11213185 | 11413272 | 11364877 | 11330445 | 0.92 | cps |
| Silver | 107-1 | 1237 | 1277 | 1347 | 1287 | 4.33 | cps |
| Silver | 109-1 | 1147 | 1147 | 1117 | 1137 | 1.52 | cps |
| Sodium | 23-2 | 355354 | 356475 | 357731 | 356520 | 0.33 | cps |
| Strontium | 86-1 | 315061 | 321367 | 320589 | 319005 | 1.08 | cps |
| Strontium | 88-1 | 2877667 | 2947166 | 2930928 | 2918587 | 1.25 | cps |
| Sulfur | 34-1 | 107924 | 110737 | 111577 | 110079 | 1.74 | cps |
| Terbium | 159-1 | 5918154 | 5801305 | 5781044 | 5833501 | 1.27 | cps |
| Terbium | 159-2 | 3823316 | 3856101 | 3843201 | 3840873 | 0.43 | cps |
| Thallium | 203-1 | 1180 | 1290 | 1113 | 1195 | 7.47 | cps |
| Thallium | 205-1 | 2810 | 2940 | 3017 | 2923 | 3.58 | cps |
| Tin | 118-1 | 7599 | 7859 | 7749 | 7735 | 1.69 | cps |
| Titanium | 47-1 | 725327 | 742608 | 740522 | 736152 | 1.28 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-10 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE479 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:12:42 | DataFile Name : | 090SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14601 | 14391 | 15322 | 14772 | 3.31 | cps |
| Vanadium | 51-2 | 412239 | 413468 | 408650 | 411452 | 0.61 | cps |
| Yttrium | 89-1 | 8216958 | 7997663 | 8023143 | 8079255 | 1.48 | cps |
| Yttrium | 89-2 | 2415565 | 2399736 | 2380190 | 2398497 | 0.74 | cps |
| Zinc | 66-2 | 79048 | 79664 | 77346 | 78686 | 1.53 | cps |
| Zirconium | 90-1 | 147560 | 151166 | 151419 | 150048 | 1.44 | cps |
| Zirconium | 91-1 | 32990 | 33244 | 34100 | 33445 | 1.74 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-11 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE480 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:15:50 | DataFile Name : | 091SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6756189 | 6811247 | 6731009 | 6766149 | 0.61 | cps |
| Antimony | 121-1 | 37613 | 38926 | 38655 | 38398 | 1.81 | cps |
| Arsenic | 75-2 | 33117 | 33337 | 33347 | 33267 | 0.39 | cps |
| Barium | 135-1 | 684273 | 702782 | 699161 | 695405 | 1.41 | cps |
| Barium | 137-1 | 1181433 | 1194314 | 1217784 | 1197844 | 1.54 | cps |
| Beryllium | 9-1 | 867 | 923 | 1027 | 939 | 8.64 | cps |
| Bismuth | 209-1 | 3505657 | 3545012 | 3485177 | 3511949 | 0.87 | cps |
| Bismuth | 209-2 | 2681918 | 2647808 | 2667929 | 2665885 | 0.64 | cps |
| Bromine | 81-1 | 7872 | 8142 | 8022 | 8012 | 1.69 | cps |
| Bromine | 81-2 | 850 | 793 | 697 | 780 | 9.94 | cps |
| Cadmium | 108-1 | 127 | 143 | 153 | 141 | 9.55 | cps |
| Cadmium | 106-1 | 1303 | 1350 | 1273 | 1309 | 2.95 | cps |
| Cadmium | 111-1 | 1867 | 1885 | 1821 | 1858 | 1.78 | cps |
| Calcium | 43-1 | 298579 | 305017 | 302773 | 302123 | 1.08 | cps |
| Calcium | 44-1 | 4697731 | 4764204 | 4742983 | 4734973 | 0.72 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 264165 | 263593 | 262892 | 263550 | 0.24 | cps |
| Cobalt | 59-2 | 179109 | 179594 | 179770 | 179491 | 0.19 | cps |
| Copper | 63-2 | 504860 | 502920 | 501566 | 503115 | 0.33 | cps |
| Dysprosium | 156-1 | 39963 | 40699 | 39973 | 40212 | 1.05 | cps |
| Dysprosium | 156-2 | 34582 | 34943 | 35331 | 34952 | 1.07 | cps |
| Erbium | 164-1 | 32869 | 33691 | 34068 | 33542 | 1.83 | cps |
| Erbium | 164-2 | 22862 | 22909 | 22832 | 22868 | 0.17 | cps |
| Gadolinium | 160-1 | 38994 | 38780 | 39348 | 39041 | 0.73 | cps |
| Gadolinium | 160-2 | 28005 | 28232 | 28472 | 28236 | 0.83 | cps |
| Holmium | 165-1 | 5740384 | 5638893 | 5581227 | 5653501 | 1.43 | cps |
| Holmium | 165-2 | 3894552 | 3795443 | 3884639 | 3858211 | 1.41 | cps |
| Indium | 115-1 | 4605155 | 4525866 | 4534407 | 4555143 | 0.96 | cps |
| Indium | 115-2 | 1686828 | 1699578 | 1662043 | 1682817 | 1.13 | cps |
| Iron | 56-2 | 204099397 | 205238824 | 201808464 | 203715561 | 0.86 | cps |
| Iron | 57-2 | 5075922 | 5099782 | 5011120 | 5062275 | 0.91 | cps |
| Iron | 54-2 | 11336697 | 11316129 | 11136966 | 11263264 | 0.98 | cps |
| Krypton | 83-1 | 213 | 217 | 163 | 198 | 15.11 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-11 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE480 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:15:50 | DataFile Name : | 091SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 175236 | 178476 | 177513 | 177075 | 0.94 | cps |
| Lead | 207-1 | 148452 | 151809 | 153894 | 151385 | 1.81 | cps |
| Lead | 208-1 | 682718 | 696926 | 695227 | 691624 | 1.12 | cps |
| Lithium | 6-1 | 514867 | 529497 | 523704 | 522689 | 1.41 | cps |
| Magnesium | 24-2 | 4826834 | 4855697 | 4799845 | 4827459 | 0.58 | cps |
| Manganese | 55-2 | 5497910 | 5430121 | 5359468 | 5429166 | 1.28 | cps |
| Molybdenum | 94-1 | 41288 | 42485 | 42448 | 42074 | 1.62 | cps |
| Molybdenum | 95-1 | 5508 | 5581 | 5558 | 5549 | 0.68 | cps |
| Molybdenum | 96-1 | 13710 | 14220 | 14507 | 14146 | 2.86 | cps |
| Molybdenum | 97-1 | 3380 | 3540 | 3534 | 3485 | 2.60 | cps |
| Molybdenum | 98-1 | 8896 | 8613 | 8906 | 8805 | 1.89 | cps |
| Neodymium | 150-1 | 74683 | 76486 | 75923 | 75697 | 1.22 | cps |
| Neodymium | 150-2 | 45313 | 44289 | 44379 | 44660 | 1.27 | cps |
| Nickel | 60-2 | 89843 | 90390 | 89569 | 89934 | 0.46 | cps |
| Phosphorus | 31-2 | 18722 | 18675 | 18655 | 18684 | 0.18 | cps |
| Potassium | 39-2 | 3319506 | 3343693 | 3344098 | 3335765 | 0.42 | cps |
| Rhodium | 103-1 | 4304631 | 4210677 | 4235942 | 4250417 | 1.14 | cps |
| Rhodium | 103-2 | 2781251 | 2810604 | 2796480 | 2796111 | 0.53 | cps |
| Scandium | 45-1 | 2628928 | 2616470 | 2611383 | 2618927 | 0.34 | cps |
| Scandium | 45-2 | 298654 | 297239 | 295363 | 297086 | 0.56 | cps |
| Selenium | 82-1 | 320 | 355 | 361 | 345 | 6.44 | cps |
| Selenium | 77-2 | 167 | 173 | 130 | 157 | 14.90 | cps |
| Selenium | 78-2 | 517 | 453 | 430 | 467 | 9.61 | cps |
| Silicon | 28-1 | 14445075 | 14476832 | 14445501 | 14455803 | 0.13 | cps |
| Silver | 107-1 | 2230 | 2460 | 2347 | 2346 | 4.90 | cps |
| Silver | 109-1 | 2074 | 2270 | 2250 | 2198 | 4.93 | cps |
| Sodium | 23-2 | 142344 | 143310 | 144019 | 143224 | 0.59 | cps |
| Strontium | 86-1 | 163127 | 165119 | 166672 | 164973 | 1.08 | cps |
| Strontium | 88-1 | 1480738 | 1522315 | 1526282 | 1509779 | 1.67 | cps |
| Sulfur | 34-1 | 102253 | 99373 | 97435 | 99687 | 2.43 | cps |
| Terbium | 159-1 | 5843778 | 5800647 | 5837525 | 5827317 | 0.40 | cps |
| Terbium | 159-2 | 3809459 | 3862185 | 3801704 | 3824449 | 0.86 | cps |
| Thallium | 203-1 | 1830 | 1883 | 1980 | 1898 | 4.01 | cps |
| Thallium | 205-1 | 4151 | 4421 | 4331 | 4301 | 3.20 | cps |
| Tin | 118-1 | 7916 | 8449 | 8306 | 8224 | 3.36 | cps |
| Titanium | 47-1 | 701870 | 707224 | 713679 | 707591 | 0.84 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-11 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE480 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:15:50 | DataFile Name : | 091SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14888 | 15329 | 15546 | 15254 | 2.20 | cps |
| Vanadium | 51-2 | 395618 | 394404 | 392497 | 394173 | 0.40 | cps |
| Yttrium | 89-1 | 8230081 | 8232102 | 8087308 | 8183164 | 1.01 | cps |
| Yttrium | 89-2 | 2415924 | 2438567 | 2392889 | 2415793 | 0.95 | cps |
| Zinc | 66-2 | 101519 | 102646 | 103506 | 102557 | 0.97 | cps |
| Zirconium | 90-1 | 104223 | 106397 | 107020 | 105880 | 1.39 | cps |
| Zirconium | 91-1 | 23031 | 23489 | 23469 | 23330 | 1.11 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-15 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE482 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:19:02 | DataFile Name : | 092SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3239395 | 3172340 | 3203308 | 3205014 | 1.05 | cps |
| Antimony | 121-1 | 7219 | 7575 | 7592 | 7462 | 2.83 | cps |
| Arsenic | 75-2 | 17147 | 17394 | 16813 | 17118 | 1.70 | cps |
| Barium | 135-1 | 512457 | 516373 | 517758 | 515529 | 0.53 | cps |
| Barium | 137-1 | 875473 | 896430 | 898274 | 890059 | 1.42 | cps |
| Beryllium | 9-1 | 517 | 563 | 470 | 517 | 9.03 | cps |
| Bismuth | 209-1 | 3548071 | 3527051 | 3420286 | 3498469 | 1.96 | cps |
| Bismuth | 209-2 | 2580357 | 2610298 | 2586327 | 2592328 | 0.61 | cps |
| Bromine | 81-1 | 7299 | 6808 | 6948 | 7018 | 3.60 | cps |
| Bromine | 81-2 | 460 | 500 | 487 | 482 | 4.22 | cps |
| Cadmium | 108-1 | 70 | 97 | 90 | 86 | 16.22 | cps |
| Cadmium | 106-1 | 1153 | 1263 | 1123 | 1180 | 6.25 | cps |
| Cadmium | 111-1 | 1405 | 1557 | 1430 | 1464 | 5.55 | cps |
| Calcium | 43-1 | 416899 | 430119 | 425983 | 424334 | 1.59 | cps |
| Calcium | 44-1 | 6542991 | 6713435 | 6656337 | 6637588 | 1.31 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 158449 | 158203 | 158536 | 158396 | 0.11 | cps |
| Cobalt | 59-2 | 104732 | 104867 | 104262 | 104620 | 0.30 | cps |
| Copper | 63-2 | 253660 | 251078 | 248701 | 251147 | 0.99 | cps |
| Dysprosium | 156-1 | 21386 | 22552 | 22251 | 22063 | 2.74 | cps |
| Dysprosium | 156-2 | 20111 | 19363 | 19978 | 19817 | 2.01 | cps |
| Erbium | 164-1 | 18322 | 19637 | 19083 | 19014 | 3.47 | cps |
| Erbium | 164-2 | 12719 | 12539 | 12439 | 12566 | 1.13 | cps |
| Gadolinium | 160-1 | 20889 | 21316 | 22051 | 21419 | 2.74 | cps |
| Gadolinium | 160-2 | 15662 | 14855 | 15452 | 15323 | 2.73 | cps |
| Holmium | 165-1 | 5666820 | 5683710 | 5639560 | 5663363 | 0.39 | cps |
| Holmium | 165-2 | 3766124 | 3731925 | 3775999 | 3758016 | 0.62 | cps |
| Indium | 115-1 | 4572325 | 4512482 | 4494759 | 4526522 | 0.90 | cps |
| Indium | 115-2 | 1688777 | 1677831 | 1678740 | 1681783 | 0.36 | cps |
| Iron | 56-2 | 133453698 | 133947031 | 133382105 | 133594278 | 0.23 | cps |
| Iron | 57-2 | 3327570 | 3296749 | 3281890 | 3302070 | 0.71 | cps |
| Iron | 54-2 | 7462661 | 7329334 | 7299486 | 7363827 | 1.18 | cps |
| Krypton | 83-1 | 200 | 217 | 243 | 220 | 9.94 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-15 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE482 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:19:02 | DataFile Name : | 092SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 102550 | 105459 | 104088 | 104032 | 1.40 | cps |
| Lead | 207-1 | 87553 | 88140 | 87855 | 87850 | 0.33 | cps |
| Lead | 208-1 | 401150 | 405412 | 404584 | 403715 | 0.56 | cps |
| Lithium | 6-1 | 519330 | 521171 | 500738 | 513746 | 2.20 | cps |
| Magnesium | 24-2 | 2885034 | 2908444 | 2895523 | 2896334 | 0.40 | cps |
| Manganese | 55-2 | 5300362 | 5261298 | 5276001 | 5279220 | 0.37 | cps |
| Molybdenum | 94-1 | 28391 | 29700 | 29213 | 29101 | 2.27 | cps |
| Molybdenum | 95-1 | 3204 | 3080 | 3280 | 3188 | 3.17 | cps |
| Molybdenum | 96-1 | 8899 | 9250 | 9130 | 9093 | 1.96 | cps |
| Molybdenum | 97-1 | 1677 | 2047 | 2047 | 1923 | 11.11 | cps |
| Molybdenum | 98-1 | 4958 | 4884 | 5311 | 5051 | 4.52 | cps |
| Neodymium | 150-1 | 43968 | 44126 | 45373 | 44489 | 1.73 | cps |
| Neodymium | 150-2 | 26048 | 25837 | 25957 | 25947 | 0.41 | cps |
| Nickel | 60-2 | 81346 | 80317 | 81168 | 80944 | 0.68 | cps |
| Phosphorus | 31-2 | 14103 | 14200 | 14050 | 14118 | 0.54 | cps |
| Potassium | 39-2 | 1683291 | 1651709 | 1640020 | 1658340 | 1.35 | cps |
| Rhodium | 103-1 | 4239802 | 4205905 | 4267435 | 4237714 | 0.73 | cps |
| Rhodium | 103-2 | 2821569 | 2806744 | 2793638 | 2807317 | 0.50 | cps |
| Scandium | 45-1 | 2535441 | 2494842 | 2479819 | 2503368 | 1.15 | cps |
| Scandium | 45-2 | 287739 | 285566 | 285837 | 286381 | 0.41 | cps |
| Selenium | 82-1 | 307 | 291 | 237 | 278 | 13.24 | cps |
| Selenium | 77-2 | 103 | 80 | 97 | 93 | 12.88 | cps |
| Selenium | 78-2 | 403 | 460 | 350 | 404 | 13.60 | cps |
| Silicon | 28-1 | 8879512 | 8840929 | 9048682 | 8923041 | 1.24 | cps |
| Silver | 107-1 | 930 | 913 | 1030 | 958 | 6.59 | cps |
| Silver | 109-1 | 920 | 947 | 933 | 933 | 1.43 | cps |
| Sodium | 23-2 | 230358 | 229594 | 228674 | 229542 | 0.37 | cps |
| Strontium | 86-1 | 186504 | 189832 | 191365 | 189234 | 1.31 | cps |
| Strontium | 88-1 | 1723765 | 1738559 | 1737608 | 1733311 | 0.48 | cps |
| Sulfur | 34-1 | 106662 | 110129 | 112581 | 109791 | 2.71 | cps |
| Terbium | 159-1 | 5825808 | 5764276 | 5721877 | 5770654 | 0.91 | cps |
| Terbium | 159-2 | 3755043 | 3736285 | 3758047 | 3749792 | 0.31 | cps |
| Thallium | 203-1 | 1227 | 1323 | 1247 | 1266 | 4.03 | cps |
| Thallium | 205-1 | 2970 | 2917 | 3090 | 2993 | 2.97 | cps |
| Tin | 118-1 | 7879 | 8888 | 8149 | 8305 | 6.29 | cps |
| Titanium | 47-1 | 649144 | 663230 | 670233 | 660869 | 1.63 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-15 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE482 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:19:02 | DataFile Name : | 092SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 9827 | 9967 | 10151 | 9982 | 1.63 | cps |
| Vanadium | 51-2 | 268243 | 266548 | 263985 | 266258 | 0.81 | cps |
| Yttrium | 89-1 | 7980155 | 7816825 | 7808642 | 7868541 | 1.23 | cps |
| Yttrium | 89-2 | 2315503 | 2311999 | 2291947 | 2306483 | 0.55 | cps |
| Zinc | 66-2 | 83985 | 82788 | 82899 | 83224 | 0.79 | cps |
| Zirconium | 90-1 | 73188 | 75245 | 74351 | 74261 | 1.39 | cps |
| Zirconium | 91-1 | 15735 | 16272 | 16970 | 16326 | 3.79 | cps |

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On:10/30/2024 3:42:59 PM
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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-16 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE483 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:22:11 | DataFile Name : | 093SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6392888 | 6386052 | 6281970 | 6353637 | 0.98 | cps |
| Antimony | 121-1 | 16493 | 16863 | 17080 | 16812 | 1.77 | cps |
| Arsenic | 75-2 | 83738 | 82920 | 83939 | 83532 | 0.65 | cps |
| Barium | 135-1 | 1311201 | 1326973 | 1337115 | 1325096 | 0.99 | cps |
| Barium | 137-1 | 2476099 | 2509724 | 2495906 | 2493910 | 0.68 | cps |
| Beryllium | 9-1 | 1023 | 897 | 870 | 930 | 8.81 | cps |
| Bismuth | 209-1 | 3514522 | 3465489 | 3484366 | 3488126 | 0.71 | cps |
| Bismuth | 209-2 | 2628452 | 2669056 | 2604747 | 2634085 | 1.23 | cps |
| Bromine | 81-1 | 6211 | 6328 | 6351 | 6297 | 1.19 | cps |
| Bromine | 81-2 | 313 | 410 | 367 | 363 | 13.33 | cps |
| Cadmium | 108-1 | 307 | 247 | 293 | 282 | 11.16 | cps |
| Cadmium | 106-1 | 1490 | 1580 | 1630 | 1567 | 4.53 | cps |
| Cadmium | 111-1 | 3475 | 3477 | 3619 | 3524 | 2.35 | cps |
| Calcium | 43-1 | 380612 | 387041 | 390006 | 385886 | 1.24 | cps |
| Calcium | 44-1 | 6027864 | 6097849 | 6130862 | 6085525 | 0.86 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 304442 | 303519 | 302012 | 303324 | 0.40 | cps |
| Cobalt | 59-2 | 251740 | 250645 | 252159 | 251515 | 0.31 | cps |
| Copper | 63-2 | 898404 | 894232 | 891182 | 894606 | 0.41 | cps |
| Dysprosium | 156-1 | 40615 | 41374 | 42304 | 41431 | 2.04 | cps |
| Dysprosium | 156-2 | 35919 | 35692 | 35859 | 35823 | 0.33 | cps |
| Erbium | 164-1 | 33644 | 34229 | 34202 | 34025 | 0.97 | cps |
| Erbium | 164-2 | 22178 | 23256 | 22976 | 22803 | 2.45 | cps |
| Gadolinium | 160-1 | 38961 | 39078 | 40595 | 39545 | 2.31 | cps |
| Gadolinium | 160-2 | 27828 | 28406 | 28212 | 28148 | 1.04 | cps |
| Holmium | 165-1 | 5752489 | 5642553 | 5527393 | 5640812 | 2.00 | cps |
| Holmium | 165-2 | 3775160 | 3877853 | 3756021 | 3803011 | 1.72 | cps |
| Indium | 115-1 | 4543426 | 4540782 | 4535856 | 4540021 | 0.08 | cps |
| Indium | 115-2 | 1677416 | 1667150 | 1694443 | 1679670 | 0.82 | cps |
| Iron | 56-2 | 326705235 | 329752608 | 329874842 | 328777562 | 0.55 | cps |
| Iron | 57-2 | 8167548 | 8178373 | 8214945 | 8186955 | 0.30 | cps |
| Iron | 54-2 | 18156852 | 18061162 | 18135965 | 18117993 | 0.28 | cps |
| Krypton | 83-1 | 253 | 183 | 220 | 219 | 16.00 | cps |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-16 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE483 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:22:11 | DataFile Name : | 093SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 343435 | 350043 | 352197 | 348558 | 1.31 | cps |
| Lead | 207-1 | 302336 | 303830 | 303451 | 303205 | 0.26 | cps |
| Lead | 208-1 | 1361375 | 1376058 | 1386765 | 1374733 | 0.93 | cps |
| Lithium | 6-1 | 501979 | 502995 | 506929 | 503967 | 0.52 | cps |
| Magnesium | 24-2 | 5916295 | 5898923 | 5855017 | 5890078 | 0.54 | cps |
| Manganese | 55-2 | 13871493 | 13691650 | 13817447 | 13793530 | 0.67 | cps |
| Molybdenum | 94-1 | 56398 | 57660 | 57422 | 57160 | 1.17 | cps |
| Molybdenum | 95-1 | 5334 | 5068 | 5208 | 5203 | 2.56 | cps |
| Molybdenum | 96-1 | 16196 | 17417 | 17023 | 16879 | 3.69 | cps |
| Molybdenum | 97-1 | 2954 | 3150 | 3187 | 3097 | 4.05 | cps |
| Molybdenum | 98-1 | 7962 | 7452 | 7969 | 7794 | 3.80 | cps |
| Neodymium | 150-1 | 75125 | 77257 | 78255 | 76879 | 2.08 | cps |
| Neodymium | 150-2 | 45697 | 45607 | 44477 | 45260 | 1.50 | cps |
| Nickel | 60-2 | 107402 | 107532 | 108426 | 107786 | 0.52 | cps |
| Phosphorus | 31-2 | 18344 | 18505 | 18999 | 18616 | 1.83 | cps |
| Potassium | 39-2 | 2699751 | 2741430 | 2695351 | 2712177 | 0.94 | cps |
| Rhodium | 103-1 | 4331632 | 4244750 | 4257312 | 4277898 | 1.10 | cps |
| Rhodium | 103-2 | 2855642 | 2824552 | 2793796 | 2824663 | 1.09 | cps |
| Scandium | 45-1 | 2641653 | 2629531 | 2646782 | 2639322 | 0.34 | cps |
| Scandium | 45-2 | 302032 | 301020 | 301623 | 301558 | 0.17 | cps |
| Selenium | 82-1 | 347 | 340 | 328 | 338 | 2.77 | cps |
| Selenium | 77-2 | 150 | 187 | 163 | 167 | 11.14 | cps |
| Selenium | 78-2 | 423 | 430 | 443 | 432 | 2.36 | cps |
| Silicon | 28-1 | 9176322 | 9382235 | 9378982 | 9312513 | 1.27 | cps |
| Silver | 107-1 | 3450 | 3717 | 3394 | 3520 | 4.91 | cps |
| Silver | 109-1 | 3207 | 3287 | 3160 | 3218 | 1.99 | cps |
| Sodium | 23-2 | 118502 | 118650 | 118102 | 118418 | 0.24 | cps |
| Strontium | 86-1 | 142553 | 144557 | 145087 | 144066 | 0.93 | cps |
| Strontium | 88-1 | 1250312 | 1263917 | 1275949 | 1263393 | 1.02 | cps |
| Sulfur | 34-1 | 104980 | 103276 | 103058 | 103771 | 1.01 | cps |
| Terbium | 159-1 | 5975724 | 5843215 | 5738458 | 5852465 | 2.03 | cps |
| Terbium | 159-2 | 3756207 | 3828574 | 3821833 | 3802205 | 1.05 | cps |
| Thallium | 203-1 | 2190 | 2427 | 2437 | 2351 | 5.94 | cps |
| Thallium | 205-1 | 5198 | 5351 | 5328 | 5292 | 1.56 | cps |
| Tin | 118-1 | 9670 | 9657 | 9703 | 9677 | 0.25 | cps |
| Titanium | 47-1 | 645201 | 655493 | 659046 | 653247 | 1.10 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-16 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE483 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:22:11 | DataFile Name : | 093SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 12623 | 13220 | 13050 | 12964 | 2.37 | cps |
| Vanadium | 51-2 | 620950 | 618622 | 613874 | 617815 | 0.58 | cps |
| Yttrium | 89-1 | 8327779 | 8234662 | 8168133 | 8243525 | 0.97 | cps |
| Yttrium | 89-2 | 2408050 | 2415630 | 2466623 | 2430101 | 1.31 | cps |
| Zinc | 66-2 | 148860 | 149090 | 148225 | 148725 | 0.30 | cps |
| Zirconium | 90-1 | 146268 | 147984 | 149150 | 147801 | 0.98 | cps |
| Zirconium | 91-1 | 32299 | 33004 | 32833 | 32712 | 1.12 | cps |



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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-17 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE484 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:25:21 | DataFile Name : | 094SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 8234260 | 8185453 | 8097726 | 8172479 | 0.85 | cps |
| Antimony | 121-1 | 8202 | 8383 | 8543 | 8376 | 2.03 | cps |
| Arsenic | 75-2 | 25425 | 25398 | 25128 | 25317 | 0.65 | cps |
| Barium | 135-1 | 381990 | 392534 | 391995 | 388840 | 1.53 | cps |
| Barium | 137-1 | 664139 | 682567 | 678225 | 674977 | 1.43 | cps |
| Beryllium | 9-1 | 410 | 460 | 460 | 443 | 6.51 | cps |
| Bismuth | 209-1 | 3538331 | 3437310 | 3420889 | 3465510 | 1.84 | cps |
| Bismuth | 209-2 | 2579502 | 2591198 | 2551725 | 2574142 | 0.79 | cps |
| Bromine | 81-1 | 5734 | 5781 | 5898 | 5805 | 1.45 | cps |
| Bromine | 81-2 | 283 | 240 | 213 | 246 | 14.39 | cps |
| Cadmium | 108-1 | 220 | 250 | 293 | 254 | 14.49 | cps |
| Cadmium | 106-1 | 1387 | 1353 | 1357 | 1366 | 1.34 | cps |
| Cadmium | 111-1 | 1330 | 1329 | 1344 | 1335 | 0.64 | cps |
| Calcium | 43-1 | 632397 | 641120 | 641309 | 638275 | 0.80 | cps |
| Calcium | 44-1 | 10022814 | 10098284 | 10089800 | 10070299 | 0.41 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 693231 | 693241 | 692769 | 693080 | 0.04 | cps |
| Cobalt | 59-2 | 472265 | 470685 | 469744 | 470898 | 0.27 | cps |
| Copper | 63-2 | 940809 | 944644 | 940309 | 941921 | 0.25 | cps |
| Dysprosium | 156-1 | 22812 | 23369 | 23453 | 23211 | 1.50 | cps |
| Dysprosium | 156-2 | 18646 | 19287 | 19477 | 19136 | 2.28 | cps |
| Erbium | 164-1 | 22732 | 23123 | 23072 | 22976 | 0.93 | cps |
| Erbium | 164-2 | 15662 | 15635 | 15065 | 15454 | 2.18 | cps |
| Gadolinium | 160-1 | 22138 | 23643 | 23136 | 22972 | 3.34 | cps |
| Gadolinium | 160-2 | 16764 | 16617 | 16477 | 16619 | 0.86 | cps |
| Holmium | 165-1 | 5745188 | 5591845 | 5565481 | 5634171 | 1.72 | cps |
| Holmium | 165-2 | 3795977 | 3798207 | 3717952 | 3770712 | 1.21 | cps |
| Indium | 115-1 | 4540535 | 4500692 | 4473287 | 4504838 | 0.75 | cps |
| Indium | 115-2 | 1696763 | 1681605 | 1646886 | 1675085 | 1.53 | cps |
| Iron | 56-2 | 275421009 | 271064709 | 271074709 | 272520143 | 0.92 | cps |
| Iron | 57-2 | 6763567 | 6706018 | 6694257 | 6721281 | 0.55 | cps |
| Iron | 54-2 | 15002589 | 15040165 | 14915936 | 14986230 | 0.43 | cps |
| Krypton | 83-1 | 160 | 217 | 193 | 190 | 14.99 | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-17 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE484 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:25:21 | DataFile Name : | 094SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 55965 | 58063 | 58107 | 57378 | 2.13 | cps |
| Lead | 207-1 | 48781 | 49426 | 50397 | 49534 | 1.64 | cps |
| Lead | 208-1 | 221102 | 226828 | 227344 | 225091 | 1.54 | cps |
| Lithium | 6-1 | 495317 | 489716 | 490506 | 491846 | 0.62 | cps |
| Magnesium | 24-2 | 10466889 | 10393184 | 10530015 | 10463363 | 0.65 | cps |
| Manganese | 55-2 | 5052730 | 4909459 | 4935135 | 4965775 | 1.54 | cps |
| Molybdenum | 94-1 | 43943 | 45360 | 48732 | 46012 | 5.35 | cps |
| Molybdenum | 95-1 | 2620 | 2570 | 2527 | 2572 | 1.82 | cps |
| Molybdenum | 96-1 | 12002 | 12425 | 12682 | 12370 | 2.78 | cps |
| Molybdenum | 97-1 | 1523 | 1730 | 1483 | 1579 | 8.39 | cps |
| Molybdenum | 98-1 | 3687 | 3931 | 4047 | 3888 | 4.73 | cps |
| Neodymium | 150-1 | 36511 | 37620 | 37323 | 37151 | 1.55 | cps |
| Neodymium | 150-2 | 22101 | 22274 | 21840 | 22072 | 0.99 | cps |
| Nickel | 60-2 | 213786 | 209034 | 212005 | 211608 | 1.13 | cps |
| Phosphorus | 31-2 | 13459 | 13673 | 13242 | 13458 | 1.60 | cps |
| Potassium | 39-2 | 1164097 | 1157562 | 1159114 | 1160258 | 0.29 | cps |
| Rhodium | 103-1 | 4230766 | 4196010 | 4251469 | 4226082 | 0.66 | cps |
| Rhodium | 103-2 | 2778777 | 2794182 | 2740932 | 2771297 | 0.99 | cps |
| Scandium | 45-1 | 2699489 | 2693435 | 2614662 | 2669195 | 1.77 | cps |
| Scandium | 45-2 | 306330 | 304188 | 301410 | 303976 | 0.81 | cps |
| Selenium | 82-1 | 346 | 339 | 320 | 335 | 3.99 | cps |
| Selenium | 77-2 | 63 | 77 | 83 | 74 | 13.68 | cps |
| Selenium | 78-2 | 447 | 410 | 383 | 413 | 7.69 | cps |
| Silicon | 28-1 | 11698523 | 12041155 | 11955991 | 11898556 | 1.50 | cps |
| Silver | 107-1 | 1183 | 1063 | 1143 | 1130 | 5.41 | cps |
| Silver | 109-1 | 840 | 963 | 1050 | 951 | 11.10 | cps |
| Sodium | 23-2 | 406777 | 408432 | 408661 | 407957 | 0.25 | cps |
| Strontium | 86-1 | 450682 | 464387 | 465676 | 460248 | 1.81 | cps |
| Strontium | 88-1 | 4144700 | 4243790 | 4295004 | 4227831 | 1.81 | cps |
| Sulfur | 34-1 | 103480 | 102652 | 103242 | 103125 | 0.41 | cps |
| Terbium | 159-1 | 5860320 | 5728262 | 5806750 | 5798444 | 1.15 | cps |
| Terbium | 159-2 | 3773201 | 3771022 | 3779322 | 3774515 | 0.11 | cps |
| Thallium | 203-1 | 687 | 603 | 623 | 638 | 6.82 | cps |
| Thallium | 205-1 | 1530 | 1553 | 1637 | 1573 | 3.56 | cps |
| Tin | 118-1 | 6715 | 6395 | 6638 | 6583 | 2.54 | cps |
| Titanium | 47-1 | 1223690 | 1264394 | 1261092 | 1249725 | 1.81 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-17 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE484 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:25:21 | DataFile Name : | 094SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 9150 | 8913 | 9023 | 9029 | 1.31 | cps |
| Vanadium | 51-2 | 636498 | 635947 | 632162 | 634869 | 0.37 | cps |
| Yttrium | 89-1 | 8086737 | 8005814 | 8005896 | 8032816 | 0.58 | cps |
| Yttrium | 89-2 | 2370800 | 2366594 | 2330615 | 2356003 | 0.94 | cps |
| Zinc | 66-2 | 75312 | 74783 | 74923 | 75006 | 0.37 | cps |
| Zirconium | 90-1 | 116934 | 119229 | 118510 | 118225 | 0.99 | cps |
| Zirconium | 91-1 | 25392 | 26531 | 26314 | 26079 | 2.32 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-18 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE485 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:28:29 | DataFile Name : | 095SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5383794 | 5422565 | 5393681 | 5400013 | 0.37 | cps |
| Antimony | 121-1 | 8119 | 7996 | 7852 | 7989 | 1.67 | cps |
| Arsenic | 75-2 | 42367 | 42581 | 42056 | 42335 | 0.62 | cps |
| Barium | 135-1 | 821826 | 835305 | 840365 | 832499 | 1.15 | cps |
| Barium | 137-1 | 1415343 | 1444555 | 1439832 | 1433243 | 1.09 | cps |
| Beryllium | 9-1 | 597 | 657 | 643 | 632 | 4.98 | cps |
| Bismuth | 209-1 | 3317412 | 3450421 | 3462034 | 3409956 | 2.36 | cps |
| Bismuth | 209-2 | 2578271 | 2589887 | 2567618 | 2578592 | 0.43 | cps |
| Bromine | 81-1 | 5701 | 5684 | 6171 | 5852 | 4.72 | cps |
| Bromine | 81-2 | 287 | 280 | 220 | 262 | 14.00 | cps |
| Cadmium | 108-1 | 233 | 237 | 217 | 229 | 4.68 | cps |
| Cadmium | 106-1 | 1650 | 1583 | 1617 | 1617 | 2.06 | cps |
| Cadmium | 111-1 | 1608 | 1639 | 1650 | 1633 | 1.33 | cps |
| Calcium | 43-1 | 1171925 | 1195833 | 1186833 | 1184863 | 1.02 | cps |
| Calcium | 44-1 | 19001190 | 19488816 | 19751546 | 19413850 | 1.96 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 288686 | 288758 | 284975 | 287473 | 0.75 | cps |
| Cobalt | 59-2 | 168498 | 170894 | 169347 | 169580 | 0.72 | cps |
| Copper | 63-2 | 354980 | 354229 | 351174 | 353461 | 0.57 | cps |
| Dysprosium | 156-1 | 32204 | 32461 | 32538 | 32401 | 0.54 | cps |
| Dysprosium | 156-2 | 27904 | 28833 | 28262 | 28333 | 1.65 | cps |
| Erbium | 164-1 | 26515 | 27480 | 27300 | 27099 | 1.89 | cps |
| Erbium | 164-2 | 18159 | 18549 | 18356 | 18354 | 1.06 | cps |
| Gadolinium | 160-1 | 30263 | 31365 | 31028 | 30885 | 1.83 | cps |
| Gadolinium | 160-2 | 22164 | 22071 | 21820 | 22018 | 0.81 | cps |
| Holmium | 165-1 | 5417705 | 5727230 | 5739736 | 5628224 | 3.24 | cps |
| Holmium | 165-2 | 3805547 | 3790258 | 3817823 | 3804543 | 0.36 | cps |
| Indium | 115-1 | 4349980 | 4514154 | 4506957 | 4457030 | 2.08 | cps |
| Indium | 115-2 | 1707716 | 1685157 | 1683831 | 1692235 | 0.79 | cps |
| Iron | 56-2 | 201270890 | 200708724 | 199631830 | 200537148 | 0.42 | cps |
| Iron | 57-2 | 5010722 | 5026286 | 4994069 | 5010359 | 0.32 | cps |
| Iron | 54-2 | 11149547 | 11051727 | 10917107 | 11039460 | 1.06 | cps |
| Krypton | 83-1 | 183 | 220 | 243 | 216 | 14.03 | cps |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-18 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE485 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:28:29 | DataFile Name : | 095SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 81965 | 83471 | 83441 | 82959 | 1.04 | cps |
| Lead | 207-1 | 68800 | 68582 | 69992 | 69125 | 1.10 | cps |
| Lead | 208-1 | 317387 | 320545 | 322009 | 319980 | 0.74 | cps |
| Lithium | 6-1 | 472253 | 500921 | 482482 | 485218 | 2.99 | cps |
| Magnesium | 24-2 | 9155491 | 9152875 | 9110792 | 9139719 | 0.27 | cps |
| Manganese | 55-2 | 3804092 | 3832523 | 3759905 | 3798840 | 0.96 | cps |
| Molybdenum | 94-1 | 88656 | 91091 | 90524 | 90091 | 1.41 | cps |
| Molybdenum | 95-1 | 2854 | 2980 | 2960 | 2931 | 2.32 | cps |
| Molybdenum | 96-1 | 19593 | 19633 | 19129 | 19452 | 1.44 | cps |
| Molybdenum | 97-1 | 1840 | 1813 | 1813 | 1822 | 0.84 | cps |
| Molybdenum | 98-1 | 4567 | 4571 | 4507 | 4549 | 0.78 | cps |
| Neodymium | 150-1 | 61698 | 63773 | 63187 | 62886 | 1.70 | cps |
| Neodymium | 150-2 | 37119 | 37142 | 37416 | 37226 | 0.44 | cps |
| Nickel | 60-2 | 121491 | 120627 | 119317 | 120479 | 0.91 | cps |
| Phosphorus | 31-2 | 20097 | 20264 | 19739 | 20033 | 1.34 | cps |
| Potassium | 39-2 | 1515006 | 1522273 | 1528161 | 1521813 | 0.43 | cps |
| Rhodium | 103-1 | 4027262 | 4215467 | 4135093 | 4125941 | 2.29 | cps |
| Rhodium | 103-2 | 2783883 | 2803498 | 2796375 | 2794585 | 0.36 | cps |
| Scandium | 45-1 | 2484556 | 2590025 | 2564114 | 2546232 | 2.16 | cps |
| Scandium | 45-2 | 299364 | 296468 | 295928 | 297253 | 0.62 | cps |
| Selenium | 82-1 | 354 | 255 | 320 | 310 | 16.14 | cps |
| Selenium | 77-2 | 110 | 143 | 113 | 122 | 15.02 | cps |
| Selenium | 78-2 | 463 | 413 | 403 | 427 | 7.53 | cps |
| Silicon | 28-1 | 10700316 | 10785495 | 10858954 | 10781588 | 0.74 | cps |
| Silver | 107-1 | 1020 | 1037 | 1000 | 1019 | 1.80 | cps |
| Silver | 109-1 | 750 | 860 | 840 | 817 | 7.17 | cps |
| Sodium | 23-2 | 404710 | 405169 | 408037 | 405972 | 0.44 | cps |
| Strontium | 86-1 | 445527 | 451585 | 452208 | 449774 | 0.82 | cps |
| Strontium | 88-1 | 4047724 | 4132253 | 4148877 | 4109618 | 1.32 | cps |
| Sulfur | 34-1 | 121837 | 121733 | 122382 | 121984 | 0.29 | cps |
| Terbium | 159-1 | 5557917 | 5807088 | 5729745 | 5698250 | 2.24 | cps |
| Terbium | 159-2 | 3785274 | 3852045 | 3743852 | 3793724 | 1.44 | cps |
| Thallium | 203-1 | 1093 | 1087 | 1170 | 1117 | 4.15 | cps |
| Thallium | 205-1 | 2477 | 2647 | 2404 | 2509 | 4.98 | cps |
| Tin | 118-1 | 8966 | 9603 | 9360 | 9310 | 3.45 | cps |
| Titanium | 47-1 | 1005611 | 1021590 | 1029653 | 1018951 | 1.20 | cps |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-18 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE485 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:28:29 | DataFile Name : | 095SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 13707 | 14385 | 14068 | 14053 | 2.41 | cps |
| Vanadium | 51-2 | 423879 | 419972 | 419763 | 421205 | 0.55 | cps |
| Yttrium | 89-1 | 7811217 | 7942432 | 8035402 | 7929684 | 1.42 | cps |
| Yttrium | 89-2 | 2344896 | 2393264 | 2385113 | 2374424 | 1.09 | cps |
| Zinc | 66-2 | 79296 | 79487 | 78488 | 79090 | 0.67 | cps |
| Zirconium | 90-1 | 235851 | 239012 | 242372 | 239078 | 1.36 | cps |
| Zirconium | 91-1 | 51694 | 53825 | 53062 | 52860 | 2.04 | cps |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-19 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE486 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:31:40 | DataFile Name : | 096SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6809068 | 6779926 | 6717555 | 6768849 | 0.69 | cps |
| Antimony | 121-1 | 10014 | 10497 | 10354 | 10288 | 2.41 | cps |
| Arsenic | 75-2 | 46392 | 47144 | 46834 | 46790 | 0.81 | cps |
| Barium | 135-1 | 725039 | 740959 | 744466 | 736821 | 1.41 | cps |
| Barium | 137-1 | 1273928 | 1287268 | 1277212 | 1279469 | 0.54 | cps |
| Beryllium | 9-1 | 870 | 933 | 953 | 919 | 4.73 | cps |
| Bismuth | 209-1 | 3473793 | 3433085 | 3442742 | 3449873 | 0.62 | cps |
| Bismuth | 209-2 | 2539674 | 2531372 | 2584961 | 2552002 | 1.13 | cps |
| Bromine | 81-1 | 6852 | 7572 | 7162 | 7195 | 5.02 | cps |
| Bromine | 81-2 | 517 | 397 | 640 | 518 | 23.50 | cps |
| Cadmium | 108-1 | 210 | 233 | 203 | 216 | 7.31 | cps |
| Cadmium | 106-1 | 1440 | 1313 | 1393 | 1382 | 4.63 | cps |
| Cadmium | 111-1 | 1748 | 1639 | 1850 | 1746 | 6.03 | cps |
| Calcium | 43-1 | 681291 | 696209 | 695454 | 690985 | 1.22 | cps |
| Calcium | 44-1 | 10889569 | 10946627 | 11167387 | 11001194 | 1.33 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 288384 | 289189 | 290087 | 289220 | 0.29 | cps |
| Cobalt | 59-2 | 195426 | 196510 | 196774 | 196237 | 0.36 | cps |
| Copper | 63-2 | 469090 | 470036 | 469351 | 469493 | 0.10 | cps |
| Dysprosium | 156-1 | 35582 | 36825 | 36661 | 36356 | 1.86 | cps |
| Dysprosium | 156-2 | 32227 | 32280 | 31629 | 32045 | 1.13 | cps |
| Erbium | 164-1 | 30233 | 30891 | 29979 | 30367 | 1.55 | cps |
| Erbium | 164-2 | 20201 | 20065 | 20428 | 20231 | 0.91 | cps |
| Gadolinium | 160-1 | 34626 | 35014 | 34663 | 34768 | 0.62 | cps |
| Gadolinium | 160-2 | 25199 | 24575 | 25149 | 24975 | 1.39 | cps |
| Holmium | 165-1 | 5661997 | 5583991 | 5551584 | 5599191 | 1.01 | cps |
| Holmium | 165-2 | 3793137 | 3846055 | 3736691 | 3791961 | 1.44 | cps |
| Indium | 115-1 | 4532016 | 4482922 | 4548698 | 4521212 | 0.76 | cps |
| Indium | 115-2 | 1700891 | 1693847 | 1681454 | 1692064 | 0.58 | cps |
| Iron | 56-2 | 300521462 | 297579282 | 300862349 | 299654364 | 0.60 | cps |
| Iron | 57-2 | 7472534 | 7483989 | 7536324 | 7497615 | 0.45 | cps |
| Iron | 54-2 | 16758336 | 16598387 | 16591845 | 16649523 | 0.57 | cps |
| Krypton | 83-1 | 190 | 270 | 260 | 240 | 18.16 | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-19 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE486 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:31:40 | DataFile Name : | 096SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 176004 | 178444 | 179853 | 178101 | 1.09 | cps |
| Lead | 207-1 | 151066 | 152995 | 154146 | 152736 | 1.02 | cps |
| Lead | 208-1 | 688082 | 700505 | 704002 | 697530 | 1.20 | cps |
| Lithium | 6-1 | 481939 | 459007 | 466566 | 469171 | 2.49 | cps |
| Magnesium | 24-2 | 5239971 | 5290474 | 5273206 | 5267884 | 0.49 | cps |
| Manganese | 55-2 | 7293830 | 7361248 | 7361171 | 7338750 | 0.53 | cps |
| Molybdenum | 94-1 | 62084 | 64023 | 63758 | 63288 | 1.66 | cps |
| Molybdenum | 95-1 | 4231 | 4164 | 4197 | 4197 | 0.79 | cps |
| Molybdenum | 96-1 | 16730 | 16937 | 17204 | 16957 | 1.40 | cps |
| Molybdenum | 97-1 | 2454 | 2464 | 2490 | 2469 | 0.77 | cps |
| Molybdenum | 98-1 | 6251 | 6275 | 6165 | 6230 | 0.93 | cps |
| Neodymium | 150-1 | 68576 | 69955 | 70461 | 69664 | 1.40 | cps |
| Neodymium | 150-2 | 40464 | 40852 | 40545 | 40621 | 0.50 | cps |
| Nickel | 60-2 | 105962 | 104326 | 103843 | 104711 | 1.06 | cps |
| Phosphorus | 31-2 | 14567 | 14917 | 14557 | 14680 | 1.40 | cps |
| Potassium | 39-2 | 2488104 | 2535087 | 2517460 | 2513551 | 0.94 | cps |
| Rhodium | 103-1 | 4212783 | 4102284 | 4236837 | 4183968 | 1.72 | cps |
| Rhodium | 103-2 | 2765776 | 2821920 | 2815464 | 2801053 | 1.10 | cps |
| Scandium | 45-1 | 2614410 | 2578870 | 2657797 | 2617026 | 1.51 | cps |
| Scandium | 45-2 | 305312 | 306126 | 304150 | 305196 | 0.33 | cps |
| Selenium | 82-1 | 374 | 320 | 312 | 335 | 10.13 | cps |
| Selenium | 77-2 | 177 | 127 | 153 | 152 | 16.44 | cps |
| Selenium | 78-2 | 453 | 453 | 417 | 441 | 4.80 | cps |
| Silicon | 28-1 | 11482945 | 11627477 | 11865226 | 11658549 | 1.66 | cps |
| Silver | 107-1 | 1437 | 1463 | 1397 | 1432 | 2.34 | cps |
| Silver | 109-1 | 1180 | 1223 | 1180 | 1195 | 2.09 | cps |
| Sodium | 23-2 | 173924 | 174372 | 175582 | 174626 | 0.49 | cps |
| Strontium | 86-1 | 180349 | 186443 | 186933 | 184575 | 1.99 | cps |
| Strontium | 88-1 | 1665800 | 1708809 | 1719818 | 1698142 | 1.68 | cps |
| Sulfur | 34-1 | 117806 | 113971 | 113175 | 114984 | 2.15 | cps |
| Terbium | 159-1 | 5775805 | 5735791 | 5804215 | 5771937 | 0.60 | cps |
| Terbium | 159-2 | 3817758 | 3811806 | 3788466 | 3806010 | 0.41 | cps |
| Thallium | 203-1 | 1863 | 2177 | 1990 | 2010 | 7.84 | cps |
| Thallium | 205-1 | 4351 | 4941 | 4941 | 4744 | 7.18 | cps |
| Tin | 118-1 | 15869 | 16172 | 16099 | 16047 | 0.99 | cps |
| Titanium | 47-1 | 784827 | 801611 | 808581 | 798340 | 1.53 | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-19 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE486 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:31:40 | DataFile Name : | 096SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 13050 | 12973 | 13003 | 13009 | 0.30 | cps |
| Vanadium | 51-2 | 553127 | 548106 | 549454 | 550229 | 0.47 | cps |
| Yttrium | 89-1 | 8041336 | 7986546 | 8103903 | 8043928 | 0.73 | cps |
| Yttrium | 89-2 | 2412060 | 2433758 | 2408441 | 2418087 | 0.57 | cps |
| Zinc | 66-2 | 111718 | 111227 | 111788 | 111578 | 0.27 | cps |
| Zirconium | 90-1 | 162765 | 166274 | 169464 | 166167 | 2.02 | cps |
| Zirconium | 91-1 | 35697 | 37455 | 37157 | 36769 | 2.56 | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE487 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:34:49 | DataFile Name : | 097SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 8215440 | 8191622 | 8246148 | 8217737 | 0.33 | cps |
| Antimony | 121-1 | 6718 | 6498 | 6855 | 6691 | 2.69 | cps |
| Arsenic | 75-2 | 36398 | 37631 | 36789 | 36939 | 1.71 | cps |
| Barium | 135-1 | 844053 | 851566 | 851404 | 849008 | 0.51 | cps |
| Barium | 137-1 | 1577336 | 1582274 | 1588069 | 1582559 | 0.34 | cps |
| Beryllium | 9-1 | 983 | 953 | 953 | 963 | 1.80 | cps |
| Bismuth | 209-1 | 3463700 | 3490797 | 3436540 | 3463679 | 0.78 | cps |
| Bismuth | 209-2 | 2631324 | 2618441 | 2634362 | 2628042 | 0.32 | cps |
| Bromine | 81-1 | 8192 | 8546 | 8636 | 8458 | 2.77 | cps |
| Bromine | 81-2 | 907 | 943 | 897 | 916 | 2.68 | cps |
| Cadmium | 108-1 | 213 | 213 | 213 | 213 | 0.00 | cps |
| Cadmium | 106-1 | 1557 | 1433 | 1473 | 1488 | 4.23 | cps |
| Cadmium | 111-1 | 2234 | 2147 | 2232 | 2204 | 2.24 | cps |
| Calcium | 43-1 | 290987 | 291372 | 292041 | 291467 | 0.18 | cps |
| Calcium | 44-1 | 4547063 | 4579509 | 4668959 | 4598510 | 1.37 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 308805 | 307956 | 310671 | 309144 | 0.45 | cps |
| Cobalt | 59-2 | 214763 | 215712 | 212555 | 214343 | 0.76 | cps |
| Copper | 63-2 | 569248 | 568688 | 561969 | 566635 | 0.71 | cps |
| Dysprosium | 156-1 | 45915 | 47420 | 47420 | 46918 | 1.85 | cps |
| Dysprosium | 156-2 | 39806 | 40157 | 39853 | 39939 | 0.48 | cps |
| Erbium | 164-1 | 38319 | 39205 | 39088 | 38871 | 1.24 | cps |
| Erbium | 164-2 | 25988 | 26145 | 26121 | 26084 | 0.32 | cps |
| Gadolinium | 160-1 | 43902 | 44668 | 45347 | 44639 | 1.62 | cps |
| Gadolinium | 160-2 | 31906 | 31816 | 31629 | 31784 | 0.45 | cps |
| Holmium | 165-1 | 5762211 | 5715354 | 5637253 | 5704940 | 1.11 | cps |
| Holmium | 165-2 | 3729371 | 3807148 | 3846971 | 3794496 | 1.58 | cps |
| Indium | 115-1 | 4604556 | 4520371 | 4530082 | 4551670 | 1.01 | cps |
| Indium | 115-2 | 1676203 | 1674229 | 1687368 | 1679267 | 0.42 | cps |
| Iron | 56-2 | 238349843 | 237222116 | 239162810 | 238244923 | 0.41 | cps |
| Iron | 57-2 | 5931927 | 5875314 | 5934595 | 5913945 | 0.57 | cps |
| Iron | 54-2 | 13292054 | 13328885 | 13206923 | 13275954 | 0.47 | cps |
| Krypton | 83-1 | 253 | 233 | 227 | 238 | 5.84 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE487 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:34:49 | DataFile Name : | 097SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 170793 | 174502 | 174461 | 173252 | 1.23 | cps |
| Lead | 207-1 | 145333 | 146409 | 147406 | 146383 | 0.71 | cps |
| Lead | 208-1 | 663815 | 674270 | 679072 | 672386 | 1.16 | cps |
| Lithium | 6-1 | 486887 | 485372 | 499384 | 490548 | 1.57 | cps |
| Magnesium | 24-2 | 5665392 | 5683050 | 5741856 | 5696766 | 0.70 | cps |
| Manganese | 55-2 | 7127576 | 6985172 | 7052575 | 7055108 | 1.01 | cps |
| Molybdenum | 94-1 | 51473 | 51815 | 51326 | 51538 | 0.49 | cps |
| Molybdenum | 95-1 | 5618 | 5875 | 5825 | 5772 | 2.36 | cps |
| Molybdenum | 96-1 | 15575 | 16706 | 15852 | 16044 | 3.68 | cps |
| Molybdenum | 97-1 | 3480 | 3504 | 3630 | 3538 | 2.28 | cps |
| Molybdenum | 98-1 | 8643 | 8536 | 8926 | 8702 | 2.32 | cps |
| Neodymium | 150-1 | 85591 | 85155 | 85826 | 85524 | 0.40 | cps |
| Neodymium | 150-2 | 50915 | 50517 | 50266 | 50566 | 0.65 | cps |
| Nickel | 60-2 | 95270 | 93731 | 94426 | 94475 | 0.82 | cps |
| Phosphorus | 31-2 | 20964 | 20841 | 21352 | 21052 | 1.27 | cps |
| Potassium | 39-2 | 4175931 | 4133429 | 4152919 | 4154093 | 0.51 | cps |
| Rhodium | 103-1 | 4335124 | 4252399 | 4207800 | 4265108 | 1.51 | cps |
| Rhodium | 103-2 | 2787181 | 2818078 | 2807446 | 2804235 | 0.56 | cps |
| Scandium | 45-1 | 2659577 | 2658722 | 2612097 | 2643465 | 1.03 | cps |
| Scandium | 45-2 | 302368 | 301562 | 305109 | 303013 | 0.61 | cps |
| Selenium | 82-1 | 317 | 289 | 377 | 328 | 13.74 | cps |
| Selenium | 77-2 | 193 | 170 | 207 | 190 | 9.77 | cps |
| Selenium | 78-2 | 527 | 467 | 437 | 477 | 9.61 | cps |
| Silicon | 28-1 | 12902536 | 13024871 | 12969063 | 12965490 | 0.47 | cps |
| Silver | 107-1 | 2594 | 2504 | 2434 | 2510 | 3.20 | cps |
| Silver | 109-1 | 2187 | 2510 | 2450 | 2382 | 7.22 | cps |
| Sodium | 23-2 | 151053 | 150726 | 151548 | 151109 | 0.27 | cps |
| Strontium | 86-1 | 185545 | 186294 | 187881 | 186573 | 0.64 | cps |
| Strontium | 88-1 | 1733803 | 1725317 | 1688020 | 1715714 | 1.42 | cps |
| Sulfur | 34-1 | 103816 | 99457 | 98561 | 100612 | 2.79 | cps |
| Terbium | 159-1 | 5890251 | 5836042 | 5811594 | 5845962 | 0.69 | cps |
| Terbium | 159-2 | 3814247 | 3838319 | 3830658 | 3827741 | 0.32 | cps |
| Thallium | 203-1 | 2114 | 2154 | 2077 | 2115 | 1.81 | cps |
| Thallium | 205-1 | 4854 | 4981 | 4768 | 4868 | 2.21 | cps |
| Tin | 118-1 | 13730 | 13960 | 13733 | 13808 | 0.96 | cps |
| Titanium | 47-1 | 856514 | 858215 | 863260 | 859330 | 0.41 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE487 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:34:49 | DataFile Name : | 097SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 18152 | 18460 | 18660 | 18424 | 1.39 | cps |
| Vanadium | 51-2 | 450699 | 447655 | 449362 | 449239 | 0.34 | cps |
| Yttrium | 89-1 | 8432046 | 8260403 | 8161188 | 8284546 | 1.65 | cps |
| Yttrium | 89-2 | 2429340 | 2420439 | 2429194 | 2426324 | 0.21 | cps |
| Zinc | 66-2 | 120007 | 118859 | 119295 | 119387 | 0.49 | cps |
| Zirconium | 90-1 | 131763 | 132082 | 132973 | 132272 | 0.47 | cps |
| Zirconium | 91-1 | 28561 | 28925 | 28762 | 28749 | 0.63 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-21 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE488 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:38:00 | DataFile Name : | 098SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5861214 | 5755811 | 5805190 | 5807405 | 0.91 | cps |
| Antimony | 121-1 | 12022 | 12139 | 11905 | 12022 | 0.97 | cps |
| Arsenic | 75-2 | 35970 | 35589 | 35339 | 35633 | 0.89 | cps |
| Barium | 135-1 | 620550 | 631887 | 634348 | 628928 | 1.17 | cps |
| Barium | 137-1 | 1082659 | 1091655 | 1096049 | 1090121 | 0.63 | cps |
| Beryllium | 9-1 | 813 | 837 | 787 | 812 | 3.08 | cps |
| Bismuth | 209-1 | 3549861 | 3550610 | 3506073 | 3535515 | 0.72 | cps |
| Bismuth | 209-2 | 2702041 | 2681189 | 2672282 | 2685170 | 0.57 | cps |
| Bromine | 81-1 | 8342 | 8389 | 8389 | 8374 | 0.32 | cps |
| Bromine | 81-2 | 760 | 817 | 853 | 810 | 5.80 | cps |
| Cadmium | 108-1 | 253 | 210 | 213 | 226 | 10.69 | cps |
| Cadmium | 106-1 | 1570 | 1417 | 1483 | 1490 | 5.16 | cps |
| Cadmium | 111-1 | 3162 | 3215 | 3136 | 3171 | 1.27 | cps |
| Calcium | 43-1 | 320236 | 329103 | 328823 | 326054 | 1.55 | cps |
| Calcium | 44-1 | 5084033 | 5145900 | 5033783 | 5087905 | 1.10 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 247433 | 247245 | 242655 | 245777 | 1.10 | cps |
| Cobalt | 59-2 | 164565 | 163087 | 164599 | 164084 | 0.53 | cps |
| Copper | 63-2 | 823404 | 816475 | 817245 | 819041 | 0.46 | cps |
| Dysprosium | 156-1 | 35926 | 36390 | 36253 | 36190 | 0.66 | cps |
| Dysprosium | 156-2 | 31689 | 31342 | 30977 | 31336 | 1.14 | cps |
| Erbium | 164-1 | 29381 | 29966 | 30089 | 29812 | 1.27 | cps |
| Erbium | 164-2 | 19908 | 19978 | 19881 | 19922 | 0.25 | cps |
| Gadolinium | 160-1 | 34289 | 34723 | 35007 | 34673 | 1.04 | cps |
| Gadolinium | 160-2 | 25012 | 24949 | 25106 | 25022 | 0.32 | cps |
| Holmium | 165-1 | 5812499 | 5735180 | 5719548 | 5755742 | 0.86 | cps |
| Holmium | 165-2 | 3910793 | 3867330 | 3934508 | 3904210 | 0.87 | cps |
| Indium | 115-1 | 4561175 | 4588456 | 4599294 | 4582975 | 0.43 | cps |
| Indium | 115-2 | 1713441 | 1706463 | 1691613 | 1703839 | 0.65 | cps |
| Iron | 56-2 | 188735211 | 188514971 | 187369871 | 188206684 | 0.39 | cps |
| Iron | 57-2 | 4739571 | 4705958 | 4680673 | 4708734 | 0.63 | cps |
| Iron | 54-2 | 10481544 | 10439738 | 10470652 | 10463978 | 0.21 | cps |
| Krypton | 83-1 | 203 | 210 | 237 | 217 | 8.14 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-21 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE488 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:38:00 | DataFile Name : | 098SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 268348 | 270966 | 271696 | 270337 | 0.65 | cps |
| Lead | 207-1 | 230432 | 235466 | 234480 | 233459 | 1.14 | cps |
| Lead | 208-1 | 1055431 | 1067841 | 1063695 | 1062322 | 0.59 | cps |
| Lithium | 6-1 | 506854 | 513014 | 507416 | 509095 | 0.67 | cps |
| Magnesium | 24-2 | 4621138 | 4612783 | 4590908 | 4608276 | 0.34 | cps |
| Manganese | 55-2 | 4987881 | 5022782 | 5011282 | 5007315 | 0.36 | cps |
| Molybdenum | 94-1 | 40800 | 42796 | 42809 | 42135 | 2.74 | cps |
| Molybdenum | 95-1 | 7622 | 8032 | 7979 | 7878 | 2.83 | cps |
| Molybdenum | 96-1 | 15912 | 15769 | 16109 | 15930 | 1.07 | cps |
| Molybdenum | 97-1 | 4774 | 4737 | 4981 | 4831 | 2.72 | cps |
| Molybdenum | 98-1 | 12055 | 12055 | 12482 | 12197 | 2.02 | cps |
| Neodymium | 150-1 | 68716 | 69018 | 69671 | 69135 | 0.71 | cps |
| Neodymium | 150-2 | 41053 | 39746 | 40361 | 40387 | 1.62 | cps |
| Nickel | 60-2 | 79218 | 80280 | 78474 | 79324 | 1.14 | cps |
| Phosphorus | 31-2 | 22330 | 22790 | 23304 | 22808 | 2.14 | cps |
| Potassium | 39-2 | 4160626 | 4166483 | 4163595 | 4163568 | 0.07 | cps |
| Rhodium | 103-1 | 4247206 | 4287612 | 4266663 | 4267160 | 0.47 | cps |
| Rhodium | 103-2 | 2859642 | 2847132 | 2869800 | 2858858 | 0.40 | cps |
| Scandium | 45-1 | 2679182 | 2614031 | 2614017 | 2635744 | 1.43 | cps |
| Scandium | 45-2 | 299242 | 299315 | 297799 | 298786 | 0.29 | cps |
| Selenium | 82-1 | 351 | 375 | 293 | 340 | 12.44 | cps |
| Selenium | 77-2 | 107 | 110 | 130 | 116 | 10.92 | cps |
| Selenium | 78-2 | 413 | 513 | 387 | 438 | 15.25 | cps |
| Silicon | 28-1 | 11803939 | 11854828 | 11736839 | 11798536 | 0.50 | cps |
| Silver | 107-1 | 4971 | 5058 | 5324 | 5118 | 3.60 | cps |
| Silver | 109-1 | 4467 | 4527 | 4634 | 4543 | 1.86 | cps |
| Sodium | 23-2 | 153171 | 155968 | 154396 | 154512 | 0.91 | cps |
| Strontium | 86-1 | 277585 | 277833 | 279572 | 278330 | 0.39 | cps |
| Strontium | 88-1 | 2529049 | 2530073 | 2541111 | 2533411 | 0.26 | cps |
| Sulfur | 34-1 | 106571 | 105873 | 106293 | 106246 | 0.33 | cps |
| Terbium | 159-1 | 5906080 | 5863156 | 5945718 | 5904985 | 0.70 | cps |
| Terbium | 159-2 | 3852928 | 3841793 | 3814435 | 3836385 | 0.52 | cps |
| Thallium | 203-1 | 1803 | 1657 | 1750 | 1737 | 4.27 | cps |
| Thallium | 205-1 | 4087 | 4254 | 4117 | 4153 | 2.14 | cps |
| Tin | 118-1 | 10164 | 10340 | 10237 | 10247 | 0.87 | cps |
| Titanium | 47-1 | 697581 | 709375 | 707623 | 704860 | 0.90 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-21 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE488 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:38:00 | DataFile Name : | 098SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14508 | 14978 | 14999 | 14828 | 1.87 | cps |
| Vanadium | 51-2 | 369195 | 364394 | 367200 | 366930 | 0.66 | cps |
| Yttrium | 89-1 | 8180849 | 8136035 | 8063312 | 8126732 | 0.73 | cps |
| Yttrium | 89-2 | 2412435 | 2390004 | 2438143 | 2413527 | 1.00 | cps |
| Zinc | 66-2 | 133326 | 131863 | 131691 | 132293 | 0.68 | cps |
| Zirconium | 90-1 | 101669 | 102729 | 103629 | 102676 | 0.96 | cps |
| Zirconium | 91-1 | 22758 | 22774 | 22751 | 22761 | 0.05 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-22 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE489 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:41:09 | DataFile Name : | 099SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5861010 | 5771812 | 5809425 | 5814082 | 0.77 | cps |
| Antimony | 121-1 | 9597 | 9967 | 10207 | 9924 | 3.10 | cps |
| Arsenic | 75-2 | 36595 | 36244 | 36512 | 36450 | 0.50 | cps |
| Barium | 135-1 | 625595 | 638643 | 632073 | 632104 | 1.03 | cps |
| Barium | 137-1 | 1080669 | 1096538 | 1095211 | 1090806 | 0.81 | cps |
| Beryllium | 9-1 | 850 | 820 | 713 | 794 | 9.04 | cps |
| Bismuth | 209-1 | 3543534 | 3377350 | 3528550 | 3483145 | 2.64 | cps |
| Bismuth | 209-2 | 2662708 | 2628930 | 2613623 | 2635087 | 0.95 | cps |
| Bromine | 81-1 | 8773 | 9306 | 9190 | 9090 | 3.09 | cps |
| Bromine | 81-2 | 847 | 920 | 1033 | 933 | 10.08 | cps |
| Cadmium | 108-1 | 220 | 197 | 237 | 218 | 9.23 | cps |
| Cadmium | 106-1 | 1387 | 1397 | 1403 | 1396 | 0.60 | cps |
| Cadmium | 111-1 | 3027 | 3337 | 3144 | 3169 | 4.94 | cps |
| Calcium | 43-1 | 333242 | 338321 | 343171 | 338245 | 1.47 | cps |
| Calcium | 44-1 | 5320099 | 5354612 | 5345696 | 5340136 | 0.34 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 248302 | 245711 | 244677 | 246230 | 0.76 | cps |
| Cobalt | 59-2 | 180597 | 178441 | 177982 | 179006 | 0.78 | cps |
| Copper | 63-2 | 859652 | 858095 | 851898 | 856548 | 0.48 | cps |
| Dysprosium | 156-1 | 35348 | 35802 | 36096 | 35749 | 1.05 | cps |
| Dysprosium | 156-2 | 32080 | 31251 | 31863 | 31731 | 1.35 | cps |
| Erbium | 164-1 | 30280 | 30313 | 30249 | 30281 | 0.10 | cps |
| Erbium | 164-2 | 20879 | 20131 | 20271 | 20427 | 1.95 | cps |
| Gadolinium | 160-1 | 34793 | 35051 | 35732 | 35192 | 1.38 | cps |
| Gadolinium | 160-2 | 25540 | 25473 | 24792 | 25268 | 1.64 | cps |
| Holmium | 165-1 | 5743682 | 5393704 | 5701095 | 5612827 | 3.40 | cps |
| Holmium | 165-2 | 3862049 | 3823104 | 3820568 | 3835240 | 0.61 | cps |
| Indium | 115-1 | 4586420 | 4373827 | 4539779 | 4500009 | 2.48 | cps |
| Indium | 115-2 | 1692122 | 1708817 | 1679087 | 1693342 | 0.88 | cps |
| Iron | 56-2 | 195564410 | 194102524 | 194767597 | 194811510 | 0.38 | cps |
| Iron | 57-2 | 4824782 | 4832326 | 4778488 | 4811865 | 0.61 | cps |
| Iron | 54-2 | 10736225 | 10809384 | 10809673 | 10785094 | 0.39 | cps |
| Krypton | 83-1 | 217 | 233 | 230 | 227 | 3.89 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-22 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE489 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:41:09 | DataFile Name : | 099SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 272037 | 274575 | 274785 | 273799 | 0.56 | cps |
| Lead | 207-1 | 235772 | 239133 | 236411 | 237105 | 0.75 | cps |
| Lead | 208-1 | 1076588 | 1086430 | 1081020 | 1081346 | 0.46 | cps |
| Lithium | 6-1 | 501067 | 483490 | 491451 | 492003 | 1.79 | cps |
| Magnesium | 24-2 | 4722288 | 4671966 | 4701454 | 4698569 | 0.54 | cps |
| Manganese | 55-2 | 4954033 | 4913715 | 4921701 | 4929816 | 0.43 | cps |
| Molybdenum | 94-1 | 34688 | 34588 | 34778 | 34684 | 0.27 | cps |
| Molybdenum | 95-1 | 7622 | 7959 | 7846 | 7809 | 2.19 | cps |
| Molybdenum | 96-1 | 15115 | 15175 | 15315 | 15201 | 0.68 | cps |
| Molybdenum | 97-1 | 4511 | 4854 | 4904 | 4756 | 4.50 | cps |
| Molybdenum | 98-1 | 12052 | 11975 | 12435 | 12154 | 2.03 | cps |
| Neodymium | 150-1 | 69517 | 70354 | 69744 | 69872 | 0.62 | cps |
| Neodymium | 150-2 | 40595 | 39873 | 40826 | 40431 | 1.23 | cps |
| Nickel | 60-2 | 83290 | 82884 | 82710 | 82961 | 0.36 | cps |
| Phosphorus | 31-2 | 24213 | 24353 | 23885 | 24150 | 0.99 | cps |
| Potassium | 39-2 | 4263270 | 4151326 | 4169561 | 4194719 | 1.43 | cps |
| Rhodium | 103-1 | 4237275 | 4030508 | 4221730 | 4163171 | 2.77 | cps |
| Rhodium | 103-2 | 2801007 | 2849747 | 2865221 | 2838658 | 1.18 | cps |
| Scandium | 45-1 | 2632894 | 2508352 | 2605945 | 2582397 | 2.54 | cps |
| Scandium | 45-2 | 298603 | 294154 | 292122 | 294959 | 1.12 | cps |
| Selenium | 82-1 | 324 | 365 | 343 | 344 | 6.02 | cps |
| Selenium | 77-2 | 123 | 143 | 120 | 129 | 9.79 | cps |
| Selenium | 78-2 | 540 | 430 | 463 | 478 | 11.81 | cps |
| Silicon | 28-1 | 12648148 | 12871326 | 12818478 | 12779317 | 0.91 | cps |
| Silver | 107-1 | 5111 | 5158 | 5471 | 5247 | 3.73 | cps |
| Silver | 109-1 | 5134 | 5334 | 5018 | 5162 | 3.10 | cps |
| Sodium | 23-2 | 169256 | 167278 | 167723 | 168085 | 0.62 | cps |
| Strontium | 86-1 | 277938 | 283550 | 283288 | 281592 | 1.12 | cps |
| Strontium | 88-1 | 2612606 | 2593298 | 2630521 | 2612141 | 0.71 | cps |
| Sulfur | 34-1 | 107424 | 106175 | 106017 | 106539 | 0.72 | cps |
| Terbium | 159-1 | 5932218 | 5550669 | 5812946 | 5765277 | 3.39 | cps |
| Terbium | 159-2 | 3795132 | 3729131 | 3916845 | 3813703 | 2.50 | cps |
| Thallium | 203-1 | 1753 | 1890 | 1740 | 1795 | 4.63 | cps |
| Thallium | 205-1 | 4114 | 4167 | 4291 | 4191 | 2.16 | cps |
| Tin | 118-1 | 10657 | 10894 | 10734 | 10762 | 1.12 | cps |
| Titanium | 47-1 | 694711 | 704174 | 702308 | 700398 | 0.72 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-22 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE489 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:41:09 | DataFile Name : | 099SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14148 | 14825 | 15019 | 14664 | 3.12 | cps |
| Vanadium | 51-2 | 379160 | 375415 | 375375 | 376650 | 0.58 | cps |
| Yttrium | 89-1 | 8193646 | 7755122 | 8090405 | 8013058 | 2.86 | cps |
| Yttrium | 89-2 | 2408702 | 2361263 | 2355557 | 2375174 | 1.23 | cps |
| Zinc | 66-2 | 137308 | 136437 | 135000 | 136248 | 0.86 | cps |
| Zirconium | 90-1 | 81582 | 84273 | 84441 | 83432 | 1.92 | cps |
| Zirconium | 91-1 | 18352 | 18051 | 18719 | 18374 | 1.82 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-01 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE490 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:44:19 | DataFile Name : | 100SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6417605 | 6395721 | 6383097 | 6398808 | 0.27 | cps |
| Antimony | 121-1 | 13219 | 13293 | 13169 | 13227 | 0.47 | cps |
| Arsenic | 75-2 | 41785 | 41184 | 41561 | 41510 | 0.73 | cps |
| Barium | 135-1 | 659302 | 666875 | 674402 | 666859 | 1.13 | cps |
| Barium | 137-1 | 1132168 | 1157477 | 1157431 | 1149025 | 1.27 | cps |
| Beryllium | 9-1 | 863 | 943 | 847 | 884 | 5.84 | cps |
| Bismuth | 209-1 | 3527051 | 3482722 | 3506427 | 3505400 | 0.63 | cps |
| Bismuth | 209-2 | 2605762 | 2690076 | 2648077 | 2647972 | 1.59 | cps |
| Bromine | 81-1 | 7519 | 8052 | 8029 | 7867 | 3.83 | cps |
| Bromine | 81-2 | 670 | 807 | 657 | 711 | 11.67 | cps |
| Cadmium | 108-1 | 233 | 210 | 213 | 219 | 5.77 | cps |
| Cadmium | 106-1 | 1407 | 1537 | 1460 | 1468 | 4.45 | cps |
| Cadmium | 111-1 | 3105 | 3412 | 3206 | 3241 | 4.83 | cps |
| Calcium | 43-1 | 396001 | 404306 | 404616 | 401641 | 1.22 | cps |
| Calcium | 44-1 | 6253407 | 6310087 | 6396078 | 6319857 | 1.14 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 269783 | 271844 | 270585 | 270737 | 0.38 | cps |
| Cobalt | 59-2 | 184153 | 186403 | 184112 | 184889 | 0.71 | cps |
| Copper | 63-2 | 909528 | 913105 | 907526 | 910053 | 0.31 | cps |
| Dysprosium | 156-1 | 37497 | 39322 | 38850 | 38556 | 2.46 | cps |
| Dysprosium | 156-2 | 34573 | 33557 | 34161 | 34097 | 1.50 | cps |
| Erbium | 164-1 | 32327 | 32752 | 32625 | 32568 | 0.67 | cps |
| Erbium | 164-2 | 21690 | 22635 | 22048 | 22124 | 2.16 | cps |
| Gadolinium | 160-1 | 36992 | 38078 | 37784 | 37618 | 1.49 | cps |
| Gadolinium | 160-2 | 27427 | 26933 | 26856 | 27072 | 1.15 | cps |
| Holmium | 165-1 | 5810174 | 5706681 | 5620421 | 5712425 | 1.66 | cps |
| Holmium | 165-2 | 3841957 | 3838449 | 3779526 | 3819977 | 0.92 | cps |
| Indium | 115-1 | 4501345 | 4503181 | 4515019 | 4506515 | 0.16 | cps |
| Indium | 115-2 | 1705284 | 1686427 | 1678882 | 1690198 | 0.80 | cps |
| Iron | 56-2 | 208771550 | 209687430 | 208217410 | 208892130 | 0.36 | cps |
| Iron | 57-2 | 5185606 | 5206476 | 5144925 | 5179002 | 0.60 | cps |
| Iron | 54-2 | 11528837 | 11540110 | 11570977 | 11546641 | 0.19 | cps |
| Krypton | 83-1 | 263 | 180 | 190 | 211 | 21.55 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-01 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE490 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:44:19 | DataFile Name : | 100SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 279853 | 286061 | 282740 | 282885 | 1.10 | cps |
| Lead | 207-1 | 237985 | 245394 | 243622 | 242334 | 1.60 | cps |
| Lead | 208-1 | 1101291 | 1121664 | 1111684 | 1111546 | 0.92 | cps |
| Lithium | 6-1 | 493897 | 504554 | 496199 | 498217 | 1.13 | cps |
| Magnesium | 24-2 | 4960100 | 4915374 | 4968038 | 4947837 | 0.57 | cps |
| Manganese | 55-2 | 5083049 | 5131291 | 5076317 | 5096886 | 0.59 | cps |
| Molybdenum | 94-1 | 53076 | 53538 | 54601 | 53738 | 1.46 | cps |
| Molybdenum | 95-1 | 7242 | 7552 | 7495 | 7430 | 2.22 | cps |
| Molybdenum | 96-1 | 17250 | 18131 | 17841 | 17741 | 2.53 | cps |
| Molybdenum | 97-1 | 4477 | 4591 | 4451 | 4506 | 1.65 | cps |
| Molybdenum | 98-1 | 11398 | 11605 | 11171 | 11391 | 1.90 | cps |
| Neodymium | 150-1 | 72455 | 74284 | 73755 | 73498 | 1.28 | cps |
| Neodymium | 150-2 | 43347 | 43938 | 42885 | 43390 | 1.22 | cps |
| Nickel | 60-2 | 90856 | 90327 | 90957 | 90713 | 0.37 | cps |
| Phosphorus | 31-2 | 23375 | 23785 | 23875 | 23678 | 1.13 | cps |
| Potassium | 39-2 | 4114331 | 4149666 | 4196433 | 4153477 | 0.99 | cps |
| Rhodium | 103-1 | 4269067 | 4223029 | 4218099 | 4236731 | 0.66 | cps |
| Rhodium | 103-2 | 2834763 | 2790813 | 2826798 | 2817458 | 0.83 | cps |
| Scandium | 45-1 | 2605959 | 2575493 | 2608916 | 2596789 | 0.71 | cps |
| Scandium | 45-2 | 298129 | 298485 | 295830 | 297481 | 0.48 | cps |
| Selenium | 82-1 | 312 | 390 | 385 | 363 | 12.10 | cps |
| Selenium | 77-2 | 217 | 180 | 137 | 178 | 22.53 | cps |
| Selenium | 78-2 | 410 | 427 | 487 | 441 | 9.14 | cps |
| Silicon | 28-1 | 9219638 | 9546725 | 9430990 | 9399118 | 1.76 | cps |
| Silver | 107-1 | 5704 | 6058 | 6445 | 6069 | 6.10 | cps |
| Silver | 109-1 | 5871 | 5828 | 5958 | 5886 | 1.12 | cps |
| Sodium | 23-2 | 157770 | 157907 | 159736 | 158471 | 0.69 | cps |
| Strontium | 86-1 | 246265 | 254284 | 252479 | 251009 | 1.68 | cps |
| Strontium | 88-1 | 2279770 | 2314447 | 2327296 | 2307171 | 1.07 | cps |
| Sulfur | 34-1 | 105152 | 107488 | 107602 | 106747 | 1.30 | cps |
| Terbium | 159-1 | 5842651 | 5917722 | 5878910 | 5879761 | 0.64 | cps |
| Terbium | 159-2 | 3857547 | 3845623 | 3821007 | 3841392 | 0.49 | cps |
| Thallium | 203-1 | 1883 | 1827 | 1954 | 1888 | 3.36 | cps |
| Thallium | 205-1 | 4167 | 4401 | 4274 | 4281 | 2.73 | cps |
| Tin | 118-1 | 14010 | 14200 | 14718 | 14309 | 2.56 | cps |
| Titanium | 47-1 | 715666 | 729641 | 734247 | 726518 | 1.33 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-01 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE490 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:44:19 | DataFile Name : | 100SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 17488 | 17014 | 17568 | 17357 | 1.73 | cps |
| Vanadium | 51-2 | 411426 | 411763 | 410891 | 411360 | 0.11 | cps |
| Yttrium | 89-1 | 8235656 | 8212768 | 8148375 | 8198933 | 0.55 | cps |
| Yttrium | 89-2 | 2421450 | 2406355 | 2429406 | 2419070 | 0.48 | cps |
| Zinc | 66-2 | 139171 | 138664 | 139131 | 138989 | 0.20 | cps |
| Zirconium | 90-1 | 130951 | 137261 | 137282 | 135165 | 2.70 | cps |
| Zirconium | 91-1 | 30031 | 30766 | 29987 | 30261 | 1.45 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-02 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE491 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:47:27 | DataFile Name : | 101SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5331011 | 5369142 | 5404303 | 5368152 | 0.68 | cps |
| Antimony | 121-1 | 6265 | 6532 | 6428 | 6408 | 2.10 | cps |
| Arsenic | 75-2 | 18068 | 18158 | 18125 | 18117 | 0.25 | cps |
| Barium | 135-1 | 525011 | 532664 | 531738 | 529805 | 0.79 | cps |
| Barium | 137-1 | 896506 | 918246 | 920380 | 911710 | 1.45 | cps |
| Beryllium | 9-1 | 663 | 733 | 703 | 700 | 5.02 | cps |
| Bismuth | 209-1 | 3519309 | 3500245 | 3409130 | 3476228 | 1.69 | cps |
| Bismuth | 209-2 | 2259452 | 2546439 | 2610175 | 2472022 | 7.56 | cps |
| Bromine | 81-1 | 6065 | 6121 | 6191 | 6126 | 1.04 | cps |
| Bromine | 81-2 | 273 | 287 | 287 | 282 | 2.73 | cps |
| Cadmium | 108-1 | 190 | 217 | 197 | 201 | 6.90 | cps |
| Cadmium | 106-1 | 1553 | 1540 | 1513 | 1536 | 1.33 | cps |
| Cadmium | 111-1 | 1741 | 1833 | 1735 | 1770 | 3.10 | cps |
| Calcium | 43-1 | 695116 | 710839 | 706627 | 704194 | 1.16 | cps |
| Calcium | 44-1 | 10911614 | 11027674 | 11169063 | 11036117 | 1.17 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 229376 | 228063 | 227591 | 228344 | 0.41 | cps |
| Cobalt | 59-2 | 181230 | 179028 | 175409 | 178556 | 1.65 | cps |
| Copper | 63-2 | 418096 | 413258 | 413452 | 414936 | 0.66 | cps |
| Dysprosium | 156-1 | 31472 | 31445 | 31722 | 31547 | 0.48 | cps |
| Dysprosium | 156-2 | 28018 | 27457 | 27360 | 27612 | 1.29 | cps |
| Erbium | 164-1 | 25146 | 26378 | 25914 | 25813 | 2.41 | cps |
| Erbium | 164-2 | 17601 | 17037 | 17071 | 17236 | 1.84 | cps |
| Gadolinium | 160-1 | 29471 | 29965 | 29982 | 29806 | 0.97 | cps |
| Gadolinium | 160-2 | 21647 | 21199 | 21433 | 21427 | 1.04 | cps |
| Holmium | 165-1 | 5751364 | 5641561 | 5508387 | 5633771 | 2.16 | cps |
| Holmium | 165-2 | 3363418 | 3663108 | 3796835 | 3607787 | 6.15 | cps |
| Indium | 115-1 | 4582126 | 4550349 | 4555341 | 4562605 | 0.37 | cps |
| Indium | 115-2 | 1455626 | 1625431 | 1685815 | 1588958 | 7.51 | cps |
| Iron | 56-2 | 185287917 | 185840831 | 183233537 | 184787428 | 0.74 | cps |
| Iron | 57-2 | 4652627 | 4549214 | 4568581 | 4590141 | 1.20 | cps |
| Iron | 54-2 | 10276032 | 10143754 | 10154023 | 10191270 | 0.72 | cps |
| Krypton | 83-1 | 243 | 227 | 157 | 209 | 22.02 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-02 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE491 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:47:27 | DataFile Name : | 101SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 110357 | 111856 | 110754 | 110989 | 0.70 | cps |
| Lead | 207-1 | 93828 | 95174 | 95157 | 94719 | 0.82 | cps |
| Lead | 208-1 | 428687 | 437291 | 432790 | 432923 | 0.99 | cps |
| Lithium | 6-1 | 482918 | 487192 | 487515 | 485875 | 0.53 | cps |
| Magnesium | 24-2 | 7443084 | 7296558 | 7314620 | 7351421 | 1.09 | cps |
| Manganese | 55-2 | 3559648 | 3504844 | 3525088 | 3529860 | 0.79 | cps |
| Molybdenum | 94-1 | 81877 | 85179 | 84730 | 83929 | 2.13 | cps |
| Molybdenum | 95-1 | 3110 | 3304 | 2977 | 3130 | 5.25 | cps |
| Molybdenum | 96-1 | 18071 | 18962 | 18632 | 18555 | 2.43 | cps |
| Molybdenum | 97-1 | 2003 | 2040 | 2144 | 2062 | 3.52 | cps |
| Molybdenum | 98-1 | 4954 | 5261 | 5218 | 5144 | 3.23 | cps |
| Neodymium | 150-1 | 60228 | 61764 | 61390 | 61127 | 1.31 | cps |
| Neodymium | 150-2 | 36170 | 35969 | 35745 | 35961 | 0.59 | cps |
| Nickel | 60-2 | 115233 | 115739 | 115981 | 115651 | 0.33 | cps |
| Phosphorus | 31-2 | 22520 | 22557 | 22303 | 22460 | 0.61 | cps |
| Potassium | 39-2 | 1909299 | 1902402 | 1879889 | 1897197 | 0.81 | cps |
| Rhodium | 103-1 | 4252697 | 4242118 | 4227836 | 4240884 | 0.29 | cps |
| Rhodium | 103-2 | 2488969 | 2734020 | 2777549 | 2666846 | 5.83 | cps |
| Scandium | 45-1 | 2548852 | 2521511 | 2489867 | 2520077 | 1.17 | cps |
| Scandium | 45-2 | 257417 | 286291 | 294364 | 279357 | 6.95 | cps |
| Selenium | 82-1 | 273 | 277 | 390 | 313 | 21.27 | cps |
| Selenium | 77-2 | 113 | 103 | 80 | 99 | 17.30 | cps |
| Selenium | 78-2 | 413 | 473 | 363 | 417 | 13.22 | cps |
| Silicon | 28-1 | 7527874 | 7840216 | 7507116 | 7625068 | 2.45 | cps |
| Silver | 107-1 | 1587 | 1470 | 1460 | 1506 | 4.68 | cps |
| Silver | 109-1 | 1350 | 1547 | 1377 | 1425 | 7.49 | cps |
| Sodium | 23-2 | 481151 | 477896 | 478806 | 479284 | 0.35 | cps |
| Strontium | 86-1 | 892476 | 924256 | 915777 | 910836 | 1.81 | cps |
| Strontium | 88-1 | 8315401 | 8512843 | 8414424 | 8414222 | 1.17 | cps |
| Sulfur | 34-1 | 110623 | 113282 | 112826 | 112244 | 1.27 | cps |
| Terbium | 159-1 | 5905592 | 5719549 | 5723567 | 5782903 | 1.84 | cps |
| Terbium | 159-2 | 3358435 | 3723535 | 3830658 | 3637543 | 6.81 | cps |
| Thallium | 203-1 | 943 | 933 | 933 | 937 | 0.62 | cps |
| Thallium | 205-1 | 2177 | 2460 | 2350 | 2329 | 6.13 | cps |
| Tin | 118-1 | 10364 | 10441 | 10631 | 10478 | 1.31 | cps |
| Titanium | 47-1 | 1290017 | 1338691 | 1315003 | 1314570 | 1.85 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-02 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE491 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:47:27 | DataFile Name : | 101SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 19391 | 20035 | 20159 | 19862 | 2.08 | cps |
| Vanadium | 51-2 | 414085 | 415993 | 413447 | 414508 | 0.32 | cps |
| Yttrium | 89-1 | 8123107 | 8161710 | 8067322 | 8117380 | 0.58 | cps |
| Yttrium | 89-2 | 2096894 | 2319351 | 2344032 | 2253425 | 6.04 | cps |
| Zinc | 66-2 | 81233 | 79617 | 79966 | 80272 | 1.06 | cps |
| Zirconium | 90-1 | 218771 | 223378 | 223245 | 221798 | 1.18 | cps |
| Zirconium | 91-1 | 48557 | 49420 | 49410 | 49129 | 1.01 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-03 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE492 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:50:38 | DataFile Name : | 102SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6124232 | 6144305 | 5989945 | 6086161 | 1.38 | cps |
| Antimony | 121-1 | 9006 | 9100 | 9230 | 9112 | 1.23 | cps |
| Arsenic | 75-2 | 26674 | 27031 | 26818 | 26841 | 0.67 | cps |
| Barium | 135-1 | 367208 | 374069 | 374527 | 371935 | 1.10 | cps |
| Barium | 137-1 | 633742 | 647419 | 645789 | 642317 | 1.16 | cps |
| Beryllium | 9-1 | 430 | 427 | 493 | 450 | 8.35 | cps |
| Bismuth | 209-1 | 3402679 | 3488820 | 3447258 | 3446252 | 1.25 | cps |
| Bismuth | 209-2 | 2578565 | 2517399 | 2503584 | 2533183 | 1.58 | cps |
| Bromine | 81-1 | 7225 | 7449 | 7352 | 7342 | 1.53 | cps |
| Bromine | 81-2 | 527 | 550 | 630 | 569 | 9.53 | cps |
| Cadmium | 108-1 | 143 | 143 | 193 | 160 | 18.04 | cps |
| Cadmium | 106-1 | 1303 | 1310 | 1360 | 1325 | 2.34 | cps |
| Cadmium | 111-1 | 2075 | 2100 | 2110 | 2095 | 0.85 | cps |
| Calcium | 43-1 | 349139 | 354874 | 352785 | 352266 | 0.82 | cps |
| Calcium | 44-1 | 5555989 | 5596783 | 5594960 | 5582577 | 0.41 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 402755 | 401867 | 399909 | 401510 | 0.36 | cps |
| Cobalt | 59-2 | 221259 | 220348 | 221631 | 221079 | 0.30 | cps |
| Copper | 63-2 | 645919 | 642762 | 644238 | 644306 | 0.25 | cps |
| Dysprosium | 156-1 | 26351 | 27186 | 27046 | 26861 | 1.66 | cps |
| Dysprosium | 156-2 | 23082 | 22772 | 22685 | 22846 | 0.91 | cps |
| Erbium | 164-1 | 23934 | 24455 | 24709 | 24366 | 1.62 | cps |
| Erbium | 164-2 | 16707 | 16430 | 16286 | 16474 | 1.30 | cps |
| Gadolinium | 160-1 | 26732 | 26949 | 26181 | 26621 | 1.49 | cps |
| Gadolinium | 160-2 | 18743 | 18863 | 18836 | 18814 | 0.34 | cps |
| Holmium | 165-1 | 5690591 | 5665600 | 5514144 | 5623445 | 1.70 | cps |
| Holmium | 165-2 | 3824781 | 3675213 | 3673459 | 3724484 | 2.33 | cps |
| Indium | 115-1 | 4499740 | 4462302 | 4476882 | 4479641 | 0.42 | cps |
| Indium | 115-2 | 1676984 | 1634423 | 1590422 | 1633943 | 2.65 | cps |
| Iron | 56-2 | 212376577 | 211769577 | 211317804 | 211821319 | 0.25 | cps |
| Iron | 57-2 | 5272397 | 5355353 | 5254410 | 5294053 | 1.02 | cps |
| Iron | 54-2 | 11767331 | 11675536 | 11659806 | 11700891 | 0.50 | cps |
| Krypton | 83-1 | 193 | 233 | 167 | 198 | 16.97 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-03 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE492 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:50:38 | DataFile Name : | 102SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 139051 | 141912 | 140986 | 140650 | 1.04 | cps |
| Lead | 207-1 | 119645 | 121689 | 122726 | 121353 | 1.29 | cps |
| Lead | 208-1 | 547833 | 559719 | 560004 | 555852 | 1.25 | cps |
| Lithium | 6-1 | 477838 | 475014 | 477535 | 476796 | 0.33 | cps |
| Magnesium | 24-2 | 6763507 | 6741684 | 6613610 | 6706267 | 1.21 | cps |
| Manganese | 55-2 | 3965409 | 3936745 | 3972791 | 3958315 | 0.48 | cps |
| Molybdenum | 94-1 | 26808 | 28251 | 27579 | 27546 | 2.62 | cps |
| Molybdenum | 95-1 | 3524 | 3337 | 3544 | 3468 | 3.29 | cps |
| Molybdenum | 96-1 | 10037 | 9200 | 10310 | 9849 | 5.88 | cps |
| Molybdenum | 97-1 | 2134 | 2117 | 2144 | 2131 | 0.63 | cps |
| Molybdenum | 98-1 | 5268 | 5534 | 5624 | 5476 | 3.39 | cps |
| Neodymium | 150-1 | 47376 | 48459 | 47858 | 47898 | 1.13 | cps |
| Neodymium | 150-2 | 28312 | 28506 | 27473 | 28097 | 1.95 | cps |
| Nickel | 60-2 | 110356 | 110735 | 110353 | 110481 | 0.20 | cps |
| Phosphorus | 31-2 | 17820 | 17794 | 17624 | 17746 | 0.60 | cps |
| Potassium | 39-2 | 2571313 | 2563958 | 2553781 | 2563017 | 0.34 | cps |
| Rhodium | 103-1 | 4193079 | 4263610 | 4213537 | 4223409 | 0.86 | cps |
| Rhodium | 103-2 | 2842465 | 2718984 | 2727651 | 2763033 | 2.49 | cps |
| Scandium | 45-1 | 2596822 | 2654238 | 2580916 | 2610659 | 1.48 | cps |
| Scandium | 45-2 | 299464 | 292419 | 285846 | 292576 | 2.33 | cps |
| Selenium | 82-1 | 352 | 337 | 398 | 362 | 8.68 | cps |
| Selenium | 77-2 | 103 | 120 | 120 | 114 | 8.40 | cps |
| Selenium | 78-2 | 413 | 437 | 447 | 432 | 3.96 | cps |
| Silicon | 28-1 | 8894524 | 8845209 | 8728367 | 8822700 | 0.97 | cps |
| Silver | 107-1 | 2544 | 2567 | 2400 | 2504 | 3.61 | cps |
| Silver | 109-1 | 2330 | 2350 | 2264 | 2315 | 1.96 | cps |
| Sodium | 23-2 | 228660 | 232596 | 233123 | 231460 | 1.05 | cps |
| Strontium | 86-1 | 163963 | 168338 | 168396 | 166899 | 1.52 | cps |
| Strontium | 88-1 | 1525314 | 1531990 | 1530086 | 1529130 | 0.22 | cps |
| Sulfur | 34-1 | 108512 | 107095 | 105145 | 106917 | 1.58 | cps |
| Terbium | 159-1 | 5701204 | 5822541 | 5702293 | 5742013 | 1.21 | cps |
| Terbium | 159-2 | 3823936 | 3670753 | 3653403 | 3716031 | 2.53 | cps |
| Thallium | 203-1 | 1083 | 1023 | 1053 | 1053 | 2.85 | cps |
| Thallium | 205-1 | 2474 | 2474 | 2397 | 2448 | 1.81 | cps |
| Tin | 118-1 | 9723 | 9994 | 10371 | 10029 | 3.24 | cps |
| Titanium | 47-1 | 613664 | 635056 | 628933 | 625884 | 1.76 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-03 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE492 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:50:38 | DataFile Name : | 102SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 10508 | 10307 | 10321 | 10379 | 1.08 | cps |
| Vanadium | 51-2 | 493005 | 495060 | 493295 | 493787 | 0.23 | cps |
| Yttrium | 89-1 | 8080738 | 8104197 | 8100366 | 8095100 | 0.16 | cps |
| Yttrium | 89-2 | 2386955 | 2300929 | 2268782 | 2318889 | 2.63 | cps |
| Zinc | 66-2 | 94473 | 94141 | 93430 | 94015 | 0.57 | cps |
| Zirconium | 90-1 | 67752 | 69235 | 69396 | 68795 | 1.32 | cps |
| Zirconium | 91-1 | 17130 | 16369 | 16266 | 16588 | 2.84 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-04 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE493 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:53:47 | DataFile Name : | 103SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5013548 | 5002273 | 4975064 | 4996962 | 0.40 | cps |
| Antimony | 121-1 | 11154 | 11375 | 11508 | 11346 | 1.57 | cps |
| Arsenic | 75-2 | 19413 | 18986 | 18689 | 19029 | 1.91 | cps |
| Barium | 135-1 | 416772 | 425130 | 424852 | 422252 | 1.12 | cps |
| Barium | 137-1 | 722223 | 732445 | 735527 | 730065 | 0.95 | cps |
| Beryllium | 9-1 | 597 | 730 | 650 | 659 | 10.18 | cps |
| Bismuth | 209-1 | 3472898 | 3515230 | 3460869 | 3482999 | 0.82 | cps |
| Bismuth | 209-2 | 2556380 | 2578398 | 2566733 | 2567170 | 0.43 | cps |
| Bromine | 81-1 | 6171 | 6265 | 6178 | 6205 | 0.84 | cps |
| Bromine | 81-2 | 310 | 367 | 323 | 333 | 8.89 | cps |
| Cadmium | 108-1 | 147 | 183 | 177 | 169 | 11.57 | cps |
| Cadmium | 106-1 | 1407 | 1330 | 1330 | 1356 | 3.27 | cps |
| Cadmium | 111-1 | 1829 | 1696 | 1754 | 1760 | 3.78 | cps |
| Calcium | 43-1 | 446913 | 454176 | 452980 | 451356 | 0.86 | cps |
| Calcium | 44-1 | 6974599 | 7197157 | 7060537 | 7077431 | 1.59 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 222180 | 219504 | 220657 | 220780 | 0.61 | cps |
| Cobalt | 59-2 | 166554 | 167386 | 167095 | 167012 | 0.25 | cps |
| Copper | 63-2 | 437519 | 434637 | 432627 | 434928 | 0.57 | cps |
| Dysprosium | 156-1 | 30266 | 30313 | 29939 | 30172 | 0.68 | cps |
| Dysprosium | 156-2 | 26098 | 25927 | 26231 | 26085 | 0.58 | cps |
| Erbium | 164-1 | 24411 | 24341 | 24462 | 24405 | 0.25 | cps |
| Erbium | 164-2 | 16049 | 16233 | 15632 | 15971 | 1.93 | cps |
| Gadolinium | 160-1 | 27454 | 28292 | 28188 | 27978 | 1.63 | cps |
| Gadolinium | 160-2 | 20071 | 19894 | 20302 | 20089 | 1.02 | cps |
| Holmium | 165-1 | 5664913 | 5661349 | 5602482 | 5642915 | 0.62 | cps |
| Holmium | 165-2 | 3730057 | 3753638 | 3746470 | 3743389 | 0.32 | cps |
| Indium | 115-1 | 4501696 | 4566201 | 4418813 | 4495570 | 1.64 | cps |
| Indium | 115-2 | 1712433 | 1653499 | 1677557 | 1681163 | 1.76 | cps |
| Iron | 56-2 | 174332204 | 173383917 | 173612891 | 173776337 | 0.28 | cps |
| Iron | 57-2 | 4327439 | 4287632 | 4295897 | 4303656 | 0.49 | cps |
| Iron | 54-2 | 9548972 | 9609139 | 9552973 | 9570361 | 0.35 | cps |
| Krypton | 83-1 | 233 | 190 | 240 | 221 | 12.28 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-04 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE493 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:53:47 | DataFile Name : | 103SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 115569 | 117893 | 118117 | 117193 | 1.20 | cps |
| Lead | 207-1 | 98179 | 99793 | 99565 | 99179 | 0.88 | cps |
| Lead | 208-1 | 449244 | 456647 | 455546 | 453812 | 0.88 | cps |
| Lithium | 6-1 | 484259 | 489365 | 477104 | 483576 | 1.27 | cps |
| Magnesium | 24-2 | 5575355 | 5621785 | 5545503 | 5580881 | 0.69 | cps |
| Manganese | 55-2 | 3100538 | 3107457 | 3088992 | 3098996 | 0.30 | cps |
| Molybdenum | 94-1 | 61572 | 63336 | 63617 | 62842 | 1.76 | cps |
| Molybdenum | 95-1 | 3017 | 3210 | 2950 | 3059 | 4.42 | cps |
| Molybdenum | 96-1 | 14814 | 14657 | 15175 | 14882 | 1.78 | cps |
| Molybdenum | 97-1 | 1833 | 1873 | 2054 | 1920 | 6.10 | cps |
| Molybdenum | 98-1 | 4647 | 4641 | 4587 | 4625 | 0.71 | cps |
| Neodymium | 150-1 | 57266 | 58417 | 57533 | 57739 | 1.04 | cps |
| Neodymium | 150-2 | 33827 | 33810 | 34743 | 34127 | 1.56 | cps |
| Nickel | 60-2 | 109453 | 109439 | 109694 | 109529 | 0.13 | cps |
| Phosphorus | 31-2 | 24650 | 24139 | 24329 | 24373 | 1.06 | cps |
| Potassium | 39-2 | 1978458 | 1916803 | 1874652 | 1923304 | 2.71 | cps |
| Rhodium | 103-1 | 4191378 | 4224397 | 4130549 | 4182108 | 1.14 | cps |
| Rhodium | 103-2 | 2776268 | 2834237 | 2764109 | 2791538 | 1.34 | cps |
| Scandium | 45-1 | 2519829 | 2542910 | 2516116 | 2526285 | 0.57 | cps |
| Scandium | 45-2 | 287206 | 288582 | 289420 | 288403 | 0.39 | cps |
| Selenium | 82-1 | 264 | 316 | 250 | 277 | 12.57 | cps |
| Selenium | 77-2 | 87 | 117 | 127 | 110 | 18.92 | cps |
| Selenium | 78-2 | 433 | 380 | 397 | 403 | 6.76 | cps |
| Silicon | 28-1 | 8449008 | 8548772 | 8429304 | 8475695 | 0.76 | cps |
| Silver | 107-1 | 1513 | 1520 | 1520 | 1518 | 0.25 | cps |
| Silver | 109-1 | 1430 | 1430 | 1453 | 1438 | 0.94 | cps |
| Sodium | 23-2 | 435537 | 436667 | 436191 | 436132 | 0.13 | cps |
| Strontium | 86-1 | 706639 | 719275 | 719184 | 715033 | 1.02 | cps |
| Strontium | 88-1 | 6437826 | 6507777 | 6706645 | 6550749 | 2.13 | cps |
| Sulfur | 34-1 | 107326 | 109150 | 108320 | 108265 | 0.84 | cps |
| Terbium | 159-1 | 5713653 | 5729557 | 5841018 | 5761409 | 1.20 | cps |
| Terbium | 159-2 | 3822378 | 3791226 | 3810529 | 3808044 | 0.41 | cps |
| Thallium | 203-1 | 943 | 1050 | 937 | 977 | 6.51 | cps |
| Thallium | 205-1 | 2264 | 2217 | 2290 | 2257 | 1.65 | cps |
| Tin | 118-1 | 10667 | 10938 | 10694 | 10766 | 1.38 | cps |
| Titanium | 47-1 | 1128686 | 1149593 | 1144219 | 1140833 | 0.95 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-04 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE493 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:53:47 | DataFile Name : | 103SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14405 | 13967 | 13871 | 14081 | 2.02 | cps |
| Vanadium | 51-2 | 391816 | 394381 | 389088 | 391762 | 0.68 | cps |
| Yttrium | 89-1 | 7926962 | 7893803 | 7994908 | 7938558 | 0.65 | cps |
| Yttrium | 89-2 | 2321307 | 2354677 | 2302576 | 2326187 | 1.13 | cps |
| Zinc | 66-2 | 78532 | 79434 | 79440 | 79135 | 0.66 | cps |
| Zirconium | 90-1 | 162950 | 165114 | 167519 | 165194 | 1.38 | cps |
| Zirconium | 91-1 | 36218 | 37054 | 37592 | 36954 | 1.87 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-08 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE495 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:56:58 | DataFile Name : | 104SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4520440 | 4504262 | 4530382 | 4518362 | 0.29 | cps |
| Antimony | 121-1 | 7972 | 8102 | 8269 | 8115 | 1.83 | cps |
| Arsenic | 75-2 | 19132 | 18802 | 19256 | 19063 | 1.23 | cps |
| Barium | 135-1 | 236459 | 248531 | 239712 | 241567 | 2.59 | cps |
| Barium | 137-1 | 414199 | 410115 | 414314 | 412876 | 0.58 | cps |
| Beryllium | 9-1 | 417 | 350 | 410 | 392 | 9.36 | cps |
| Bismuth | 209-1 | 3381305 | 3389297 | 3506093 | 3425565 | 2.04 | cps |
| Bismuth | 209-2 | 2540633 | 2571198 | 2550719 | 2554183 | 0.61 | cps |
| Bromine | 81-1 | 6425 | 6475 | 6932 | 6610 | 4.23 | cps |
| Bromine | 81-2 | 427 | 363 | 470 | 420 | 12.77 | cps |
| Cadmium | 108-1 | 97 | 130 | 70 | 99 | 30.40 | cps |
| Cadmium | 106-1 | 1223 | 1150 | 1130 | 1168 | 4.21 | cps |
| Cadmium | 111-1 | 1325 | 1257 | 1259 | 1281 | 3.04 | cps |
| Calcium | 43-1 | 286289 | 290015 | 300703 | 292336 | 2.56 | cps |
| Calcium | 44-1 | 4487857 | 4633879 | 4646765 | 4589501 | 1.92 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 217539 | 215995 | 215772 | 216435 | 0.44 | cps |
| Cobalt | 59-2 | 165017 | 163628 | 163326 | 163990 | 0.55 | cps |
| Copper | 63-2 | 369730 | 372134 | 369497 | 370453 | 0.39 | cps |
| Dysprosium | 156-1 | 21390 | 21810 | 21507 | 21569 | 1.01 | cps |
| Dysprosium | 156-2 | 17775 | 18142 | 18566 | 18161 | 2.18 | cps |
| Erbium | 164-1 | 19444 | 20492 | 20872 | 20269 | 3.65 | cps |
| Erbium | 164-2 | 13403 | 13377 | 13216 | 13332 | 0.76 | cps |
| Gadolinium | 160-1 | 21246 | 21209 | 21613 | 21356 | 1.05 | cps |
| Gadolinium | 160-2 | 15335 | 15168 | 15742 | 15415 | 1.92 | cps |
| Holmium | 165-1 | 5555092 | 5866581 | 5430191 | 5617288 | 4.00 | cps |
| Holmium | 165-2 | 3801105 | 3749196 | 3799142 | 3783148 | 0.78 | cps |
| Indium | 115-1 | 4477194 | 4756658 | 4390463 | 4541438 | 4.21 | cps |
| Indium | 115-2 | 1689854 | 1671117 | 1642858 | 1667943 | 1.42 | cps |
| Iron | 56-2 | 178071064 | 178623411 | 177062737 | 177919071 | 0.44 | cps |
| Iron | 57-2 | 4365835 | 4342543 | 4444913 | 4384430 | 1.22 | cps |
| Iron | 54-2 | 9948222 | 9863014 | 9746269 | 9852502 | 1.03 | cps |
| Krypton | 83-1 | 177 | 237 | 257 | 223 | 18.64 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-08 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE495 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:56:58 | DataFile Name : | 104SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 72180 | 75766 | 73283 | 73743 | 2.49 | cps |
| Lead | 207-1 | 61910 | 60320 | 61706 | 61312 | 1.41 | cps |
| Lead | 208-1 | 279462 | 284177 | 290113 | 284584 | 1.88 | cps |
| Lithium | 6-1 | 464402 | 493075 | 474427 | 477301 | 3.05 | cps |
| Magnesium | 24-2 | 4853420 | 4861266 | 4841851 | 4852179 | 0.20 | cps |
| Manganese | 55-2 | 2609948 | 2624899 | 2584195 | 2606347 | 0.79 | cps |
| Molybdenum | 94-1 | 31828 | 32169 | 33685 | 32561 | 3.04 | cps |
| Molybdenum | 95-1 | 2334 | 2314 | 2207 | 2285 | 2.98 | cps |
| Molybdenum | 96-1 | 9370 | 9013 | 9236 | 9206 | 1.96 | cps |
| Molybdenum | 97-1 | 1530 | 1463 | 1497 | 1497 | 2.23 | cps |
| Molybdenum | 98-1 | 3854 | 3684 | 3547 | 3695 | 4.16 | cps |
| Neodymium | 150-1 | 37242 | 38145 | 39358 | 38248 | 2.78 | cps |
| Neodymium | 150-2 | 22067 | 22394 | 22354 | 22272 | 0.80 | cps |
| Nickel | 60-2 | 74792 | 74169 | 76142 | 75035 | 1.34 | cps |
| Phosphorus | 31-2 | 12465 | 12395 | 12462 | 12441 | 0.32 | cps |
| Potassium | 39-2 | 1666428 | 1637348 | 1669943 | 1657906 | 1.08 | cps |
| Rhodium | 103-1 | 4379776 | 4110618 | 4169025 | 4219806 | 3.36 | cps |
| Rhodium | 103-2 | 2828693 | 2774970 | 2808902 | 2804188 | 0.97 | cps |
| Scandium | 45-1 | 2533367 | 2645044 | 2551067 | 2576493 | 2.33 | cps |
| Scandium | 45-2 | 293892 | 291871 | 293424 | 293063 | 0.36 | cps |
| Selenium | 82-1 | 325 | 250 | 240 | 271 | 17.10 | cps |
| Selenium | 77-2 | 107 | 97 | 87 | 97 | 10.34 | cps |
| Selenium | 78-2 | 477 | 360 | 387 | 408 | 14.99 | cps |
| Silicon | 28-1 | 6625764 | 6570823 | 6428810 | 6541799 | 1.55 | cps |
| Silver | 107-1 | 1077 | 1063 | 1043 | 1061 | 1.58 | cps |
| Silver | 109-1 | 777 | 940 | 980 | 899 | 11.98 | cps |
| Sodium | 23-2 | 231550 | 232010 | 229580 | 231047 | 0.56 | cps |
| Strontium | 86-1 | 156439 | 154762 | 154555 | 155252 | 0.67 | cps |
| Strontium | 88-1 | 1320821 | 1350904 | 1388121 | 1353282 | 2.49 | cps |
| Sulfur | 34-1 | 104014 | 101128 | 100615 | 101919 | 1.80 | cps |
| Terbium | 159-1 | 5980906 | 5515030 | 5609460 | 5701799 | 4.32 | cps |
| Terbium | 159-2 | 3721301 | 3735083 | 3715443 | 3723942 | 0.27 | cps |
| Thallium | 203-1 | 633 | 600 | 657 | 630 | 4.52 | cps |
| Thallium | 205-1 | 1420 | 1590 | 1577 | 1529 | 6.18 | cps |
| Tin | 118-1 | 10832 | 9450 | 9783 | 10022 | 7.20 | cps |
| Titanium | 47-1 | 763022 | 764204 | 756633 | 761286 | 0.54 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-08 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE495 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 17:56:58 | DataFile Name : | 104SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 9577 | 9150 | 9273 | 9333 | 2.35 | cps |
| Vanadium | 51-2 | 472164 | 472008 | 467505 | 470559 | 0.56 | cps |
| Yttrium | 89-1 | 7823884 | 7861264 | 8071202 | 7918783 | 1.68 | cps |
| Yttrium | 89-2 | 2320916 | 2323019 | 2316025 | 2319986 | 0.15 | cps |
| Zinc | 66-2 | 62326 | 62688 | 62015 | 62343 | 0.54 | cps |
| Zirconium | 90-1 | 83519 | 86996 | 84203 | 84906 | 2.17 | cps |
| Zirconium | 91-1 | 19072 | 18702 | 18495 | 18756 | 1.56 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-09 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE496 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:00:08 | DataFile Name : | 105SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6680609 | 6703052 | 6777733 | 6720465 | 0.76 | cps |
| Antimony | 121-1 | 7886 | 7789 | 7779 | 7818 | 0.75 | cps |
| Arsenic | 75-2 | 28471 | 28177 | 27903 | 28183 | 1.01 | cps |
| Barium | 135-1 | 713338 | 711588 | 722280 | 715735 | 0.80 | cps |
| Barium | 137-1 | 1218715 | 1238416 | 1241968 | 1233033 | 1.02 | cps |
| Beryllium | 9-1 | 897 | 873 | 850 | 873 | 2.67 | cps |
| Bismuth | 209-1 | 3429963 | 3525490 | 3456374 | 3470609 | 1.42 | cps |
| Bismuth | 209-2 | 2626366 | 2624793 | 2593467 | 2614875 | 0.71 | cps |
| Bromine | 81-1 | 7389 | 7989 | 8069 | 7815 | 4.76 | cps |
| Bromine | 81-2 | 803 | 690 | 663 | 719 | 10.34 | cps |
| Cadmium | 108-1 | 127 | 197 | 150 | 158 | 22.59 | cps |
| Cadmium | 106-1 | 1307 | 1350 | 1297 | 1318 | 2.15 | cps |
| Cadmium | 111-1 | 1653 | 1591 | 1626 | 1623 | 1.92 | cps |
| Calcium | 43-1 | 255687 | 261202 | 259871 | 258920 | 1.11 | cps |
| Calcium | 44-1 | 4074188 | 4091316 | 4092546 | 4086017 | 0.25 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 273302 | 271943 | 272794 | 272680 | 0.25 | cps |
| Cobalt | 59-2 | 189474 | 191817 | 190044 | 190445 | 0.64 | cps |
| Copper | 63-2 | 433100 | 431665 | 435912 | 433559 | 0.50 | cps |
| Dysprosium | 156-1 | 42049 | 43012 | 42036 | 42366 | 1.32 | cps |
| Dysprosium | 156-2 | 36471 | 36634 | 36644 | 36583 | 0.27 | cps |
| Erbium | 164-1 | 34105 | 35161 | 35275 | 34847 | 1.85 | cps |
| Erbium | 164-2 | 22976 | 23159 | 23416 | 23184 | 0.95 | cps |
| Gadolinium | 160-1 | 40308 | 40980 | 40896 | 40728 | 0.90 | cps |
| Gadolinium | 160-2 | 29715 | 29171 | 29214 | 29366 | 1.03 | cps |
| Holmium | 165-1 | 5603226 | 5609764 | 5603836 | 5605608 | 0.06 | cps |
| Holmium | 165-2 | 3786217 | 3823561 | 3752285 | 3787354 | 0.94 | cps |
| Indium | 115-1 | 4581127 | 4469905 | 4454172 | 4501735 | 1.54 | cps |
| Indium | 115-2 | 1702484 | 1685038 | 1635402 | 1674308 | 2.08 | cps |
| Iron | 56-2 | 208544017 | 205646264 | 207320517 | 207170266 | 0.70 | cps |
| Iron | 57-2 | 5087561 | 5128211 | 5084632 | 5100134 | 0.48 | cps |
| Iron | 54-2 | 11411287 | 11238771 | 11406494 | 11352184 | 0.87 | cps |
| Krypton | 83-1 | 203 | 207 | 240 | 217 | 9.36 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-09 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE496 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:00:08 | DataFile Name : | 105SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 123202 | 123801 | 125944 | 124316 | 1.16 | cps |
| Lead | 207-1 | 102067 | 103450 | 103547 | 103021 | 0.80 | cps |
| Lead | 208-1 | 473999 | 480675 | 482032 | 478902 | 0.90 | cps |
| Lithium | 6-1 | 495828 | 487121 | 489784 | 490911 | 0.91 | cps |
| Magnesium | 24-2 | 4670053 | 4685513 | 4675766 | 4677111 | 0.17 | cps |
| Manganese | 55-2 | 4800439 | 4705596 | 4775784 | 4760606 | 1.03 | cps |
| Molybdenum | 94-1 | 45571 | 47835 | 47189 | 46865 | 2.49 | cps |
| Molybdenum | 95-1 | 5268 | 5351 | 5621 | 5413 | 3.41 | cps |
| Molybdenum | 96-1 | 14657 | 14851 | 14954 | 14821 | 1.02 | cps |
| Molybdenum | 97-1 | 3227 | 3420 | 3337 | 3328 | 2.91 | cps |
| Molybdenum | 98-1 | 8379 | 8543 | 8459 | 8460 | 0.97 | cps |
| Neodymium | 150-1 | 78316 | 79694 | 80257 | 79422 | 1.26 | cps |
| Neodymium | 150-2 | 46052 | 46710 | 45737 | 46166 | 1.08 | cps |
| Nickel | 60-2 | 87825 | 86739 | 87551 | 87372 | 0.65 | cps |
| Phosphorus | 31-2 | 17974 | 17684 | 17907 | 17855 | 0.85 | cps |
| Potassium | 39-2 | 3392714 | 3413918 | 3388395 | 3398342 | 0.40 | cps |
| Rhodium | 103-1 | 4218204 | 4192150 | 4158533 | 4189629 | 0.71 | cps |
| Rhodium | 103-2 | 2782725 | 2771689 | 2777338 | 2777251 | 0.20 | cps |
| Scandium | 45-1 | 2623407 | 2629951 | 2606310 | 2619889 | 0.47 | cps |
| Scandium | 45-2 | 296053 | 293605 | 294700 | 294786 | 0.42 | cps |
| Selenium | 82-1 | 345 | 323 | 266 | 311 | 13.04 | cps |
| Selenium | 77-2 | 157 | 173 | 153 | 161 | 6.65 | cps |
| Selenium | 78-2 | 463 | 410 | 437 | 437 | 6.11 | cps |
| Silicon | 28-1 | 8288464 | 8268973 | 8297277 | 8284905 | 0.17 | cps |
| Silver | 107-1 | 1647 | 1763 | 1637 | 1682 | 4.19 | cps |
| Silver | 109-1 | 1510 | 1337 | 1480 | 1442 | 6.42 | cps |
| Sodium | 23-2 | 154685 | 153965 | 154776 | 154476 | 0.29 | cps |
| Strontium | 86-1 | 172343 | 172826 | 172693 | 172621 | 0.14 | cps |
| Strontium | 88-1 | 1560448 | 1593994 | 1616635 | 1590359 | 1.78 | cps |
| Sulfur | 34-1 | 101263 | 98263 | 95935 | 98487 | 2.71 | cps |
| Terbium | 159-1 | 5851702 | 5748804 | 5834615 | 5811707 | 0.95 | cps |
| Terbium | 159-2 | 3786927 | 3852533 | 3751100 | 3796853 | 1.35 | cps |
| Thallium | 203-1 | 1707 | 1590 | 1650 | 1649 | 3.54 | cps |
| Thallium | 205-1 | 3944 | 4214 | 3927 | 4028 | 4.00 | cps |
| Tin | 118-1 | 10767 | 11168 | 10938 | 10958 | 1.83 | cps |
| Titanium | 47-1 | 697752 | 707099 | 706950 | 703934 | 0.76 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-09 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE496 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:00:08 | DataFile Name : | 105SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 18533 | 18980 | 18596 | 18703 | 1.29 | cps |
| Vanadium | 51-2 | 387431 | 384570 | 384900 | 385633 | 0.41 | cps |
| Yttrium | 89-1 | 8169927 | 8095345 | 8120890 | 8128721 | 0.47 | cps |
| Yttrium | 89-2 | 2380336 | 2388276 | 2375381 | 2381331 | 0.27 | cps |
| Zinc | 66-2 | 97039 | 97200 | 96848 | 97029 | 0.18 | cps |
| Zirconium | 90-1 | 116867 | 117909 | 119518 | 118098 | 1.13 | cps |
| Zirconium | 91-1 | 26400 | 26567 | 26210 | 26393 | 0.68 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-10 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE497 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:03:19 | DataFile Name : | 106SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5432778 | 5415851 | 5329432 | 5392687 | 1.03 | cps |
| Antimony | 121-1 | 12462 | 12475 | 12429 | 12455 | 0.19 | cps |
| Arsenic | 75-2 | 20164 | 19797 | 19913 | 19958 | 0.94 | cps |
| Barium | 135-1 | 427705 | 432302 | 434008 | 431339 | 0.76 | cps |
| Barium | 137-1 | 741740 | 747385 | 742135 | 743753 | 0.42 | cps |
| Beryllium | 9-1 | 563 | 643 | 623 | 610 | 6.82 | cps |
| Bismuth | 209-1 | 3423990 | 3466572 | 3483221 | 3457928 | 0.88 | cps |
| Bismuth | 209-2 | 2607304 | 2594261 | 2580762 | 2594109 | 0.51 | cps |
| Bromine | 81-1 | 6051 | 6068 | 6011 | 6044 | 0.48 | cps |
| Bromine | 81-2 | 353 | 367 | 370 | 363 | 2.43 | cps |
| Cadmium | 108-1 | 153 | 183 | 200 | 179 | 13.22 | cps |
| Cadmium | 106-1 | 1337 | 1357 | 1357 | 1350 | 0.86 | cps |
| Cadmium | 111-1 | 1502 | 1525 | 1516 | 1514 | 0.77 | cps |
| Calcium | 43-1 | 363841 | 365564 | 367717 | 365707 | 0.53 | cps |
| Calcium | 44-1 | 5785976 | 5788259 | 5779776 | 5784670 | 0.08 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 224226 | 224702 | 223613 | 224181 | 0.24 | cps |
| Cobalt | 59-2 | 166644 | 166014 | 166773 | 166477 | 0.24 | cps |
| Copper | 63-2 | 395317 | 394807 | 399318 | 396481 | 0.62 | cps |
| Dysprosium | 156-1 | 30500 | 29845 | 30587 | 30310 | 1.34 | cps |
| Dysprosium | 156-2 | 25981 | 27056 | 27056 | 26698 | 2.33 | cps |
| Erbium | 164-1 | 24685 | 24568 | 24685 | 24646 | 0.27 | cps |
| Erbium | 164-2 | 16163 | 16296 | 17151 | 16537 | 3.24 | cps |
| Gadolinium | 160-1 | 28923 | 28840 | 29311 | 29025 | 0.87 | cps |
| Gadolinium | 160-2 | 20912 | 20375 | 20188 | 20492 | 1.84 | cps |
| Holmium | 165-1 | 5449845 | 5619791 | 5623814 | 5564483 | 1.78 | cps |
| Holmium | 165-2 | 3807949 | 3785207 | 3689930 | 3761028 | 1.66 | cps |
| Indium | 115-1 | 4441889 | 4474748 | 4501403 | 4472680 | 0.67 | cps |
| Indium | 115-2 | 1656194 | 1661971 | 1634543 | 1650903 | 0.88 | cps |
| Iron | 56-2 | 180997024 | 180112157 | 181598171 | 180902451 | 0.41 | cps |
| Iron | 57-2 | 4506172 | 4426864 | 4422985 | 4452007 | 1.05 | cps |
| Iron | 54-2 | 10009530 | 9979728 | 9987654 | 9992304 | 0.15 | cps |
| Krypton | 83-1 | 213 | 243 | 233 | 230 | 6.64 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-10 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE497 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:03:19 | DataFile Name : | 106SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 94704 | 96026 | 96889 | 95873 | 1.15 | cps |
| Lead | 207-1 | 81177 | 81677 | 81305 | 81386 | 0.32 | cps |
| Lead | 208-1 | 370258 | 372565 | 372652 | 371825 | 0.37 | cps |
| Lithium | 6-1 | 479612 | 487716 | 473250 | 480193 | 1.51 | cps |
| Magnesium | 24-2 | 5347536 | 5364167 | 5358298 | 5356667 | 0.16 | cps |
| Manganese | 55-2 | 2966771 | 2977635 | 2947146 | 2963851 | 0.52 | cps |
| Molybdenum | 94-1 | 72957 | 74116 | 74394 | 73823 | 1.03 | cps |
| Molybdenum | 95-1 | 3094 | 3050 | 2914 | 3019 | 3.11 | cps |
| Molybdenum | 96-1 | 16483 | 16680 | 16776 | 16646 | 0.90 | cps |
| Molybdenum | 97-1 | 1857 | 1880 | 1887 | 1875 | 0.84 | cps |
| Molybdenum | 98-1 | 4441 | 4858 | 4761 | 4686 | 4.65 | cps |
| Neodymium | 150-1 | 59113 | 60887 | 60355 | 60118 | 1.51 | cps |
| Neodymium | 150-2 | 34893 | 34960 | 35064 | 34972 | 0.25 | cps |
| Nickel | 60-2 | 109084 | 110125 | 109647 | 109619 | 0.48 | cps |
| Phosphorus | 31-2 | 20631 | 20541 | 20984 | 20719 | 1.13 | cps |
| Potassium | 39-2 | 1611887 | 1580985 | 1621253 | 1604708 | 1.31 | cps |
| Rhodium | 103-1 | 4156375 | 4234942 | 4185325 | 4192214 | 0.95 | cps |
| Rhodium | 103-2 | 2825271 | 2813551 | 2742827 | 2793883 | 1.60 | cps |
| Scandium | 45-1 | 2479959 | 2552258 | 2523109 | 2518442 | 1.44 | cps |
| Scandium | 45-2 | 286591 | 289576 | 286041 | 287403 | 0.66 | cps |
| Selenium | 82-1 | 261 | 239 | 320 | 273 | 15.23 | cps |
| Selenium | 77-2 | 157 | 107 | 117 | 127 | 20.89 | cps |
| Selenium | 78-2 | 403 | 450 | 377 | 410 | 9.05 | cps |
| Silicon | 28-1 | 7994734 | 8065393 | 8070046 | 8043391 | 0.52 | cps |
| Silver | 107-1 | 1573 | 1663 | 1637 | 1625 | 2.85 | cps |
| Silver | 109-1 | 1350 | 1523 | 1407 | 1427 | 6.20 | cps |
| Sodium | 23-2 | 567194 | 571965 | 572289 | 570483 | 0.50 | cps |
| Strontium | 86-1 | 702793 | 716091 | 712673 | 710519 | 0.97 | cps |
| Strontium | 88-1 | 6512323 | 6532772 | 6512088 | 6519061 | 0.18 | cps |
| Sulfur | 34-1 | 98729 | 99290 | 100904 | 99641 | 1.13 | cps |
| Terbium | 159-1 | 5789456 | 5830578 | 5736524 | 5785519 | 0.81 | cps |
| Terbium | 159-2 | 3808652 | 3803431 | 3714691 | 3775591 | 1.40 | cps |
| Thallium | 203-1 | 817 | 833 | 933 | 861 | 7.33 | cps |
| Thallium | 205-1 | 2017 | 2060 | 2020 | 2032 | 1.19 | cps |
| Tin | 118-1 | 27263 | 27516 | 27864 | 27547 | 1.10 | cps |
| Titanium | 47-1 | 1141872 | 1158477 | 1158140 | 1152829 | 0.82 | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-10 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE497 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:03:19 | DataFile Name : | 106SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 15482 | 15519 | 15422 | 15475 | 0.32 | cps |
| Vanadium | 51-2 | 398526 | 398955 | 400154 | 399211 | 0.21 | cps |
| Yttrium | 89-1 | 7824732 | 7940248 | 7990816 | 7918599 | 1.08 | cps |
| Yttrium | 89-2 | 2353438 | 2356046 | 2289649 | 2333044 | 1.61 | cps |
| Zinc | 66-2 | 71527 | 70944 | 70998 | 71156 | 0.45 | cps |
| Zirconium | 90-1 | 194815 | 196873 | 198014 | 196568 | 0.82 | cps |
| Zirconium | 91-1 | 43966 | 44354 | 42832 | 43718 | 1.81 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-11 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE498 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:06:28 | DataFile Name : | 107SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4663103 | 4694969 | 4647333 | 4668468 | 0.52 | cps |
| Antimony | 121-1 | 6565 | 6488 | 6792 | 6615 | 2.39 | cps |
| Arsenic | 75-2 | 18508 | 18785 | 18371 | 18555 | 1.14 | cps |
| Barium | 135-1 | 400269 | 410565 | 410291 | 407042 | 1.44 | cps |
| Barium | 137-1 | 700446 | 709237 | 707686 | 705790 | 0.66 | cps |
| Beryllium | 9-1 | 537 | 533 | 463 | 511 | 8.10 | cps |
| Bismuth | 209-1 | 3504345 | 3475479 | 3398704 | 3459509 | 1.58 | cps |
| Bismuth | 209-2 | 2591510 | 2562415 | 2642063 | 2598663 | 1.55 | cps |
| Bromine | 81-1 | 5945 | 5708 | 5351 | 5668 | 5.27 | cps |
| Bromine | 81-2 | 330 | 180 | 240 | 250 | 30.20 | cps |
| Cadmium | 108-1 | 153 | 137 | 130 | 140 | 8.59 | cps |
| Cadmium | 106-1 | 1373 | 1293 | 1297 | 1321 | 3.43 | cps |
| Cadmium | 111-1 | 1444 | 1416 | 1397 | 1419 | 1.68 | cps |
| Calcium | 43-1 | 702689 | 723128 | 721305 | 715708 | 1.58 | cps |
| Calcium | 44-1 | 11258053 | 11516961 | 11516489 | 11430501 | 1.31 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 222011 | 219786 | 223564 | 221787 | 0.86 | cps |
| Cobalt | 59-2 | 169062 | 168154 | 168740 | 168652 | 0.27 | cps |
| Copper | 63-2 | 354363 | 358126 | 357420 | 356636 | 0.56 | cps |
| Dysprosium | 156-1 | 27086 | 27500 | 28516 | 27701 | 2.66 | cps |
| Dysprosium | 156-2 | 22562 | 23443 | 23763 | 23256 | 2.68 | cps |
| Erbium | 164-1 | 23510 | 24789 | 24501 | 24267 | 2.77 | cps |
| Erbium | 164-2 | 16610 | 16313 | 16396 | 16440 | 0.93 | cps |
| Gadolinium | 160-1 | 26575 | 27377 | 26542 | 26831 | 1.76 | cps |
| Gadolinium | 160-2 | 19183 | 19010 | 18940 | 19044 | 0.66 | cps |
| Holmium | 165-1 | 5619239 | 5661253 | 5590949 | 5623814 | 0.63 | cps |
| Holmium | 165-2 | 3750626 | 3766868 | 3777753 | 3765082 | 0.36 | cps |
| Indium | 115-1 | 4587944 | 4589962 | 4437865 | 4538590 | 1.92 | cps |
| Indium | 115-2 | 1700886 | 1648191 | 1672210 | 1673763 | 1.58 | cps |
| Iron | 56-2 | 187528444 | 186095491 | 187521464 | 187048466 | 0.44 | cps |
| Iron | 57-2 | 4665216 | 4598452 | 4592947 | 4618872 | 0.87 | cps |
| Iron | 54-2 | 10319891 | 10280489 | 10325048 | 10308476 | 0.24 | cps |
| Krypton | 83-1 | 197 | 207 | 167 | 190 | 10.96 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-11 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE498 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:06:28 | DataFile Name : | 107SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 87315 | 88707 | 88442 | 88154 | 0.84 | cps |
| Lead | 207-1 | 73246 | 73273 | 74174 | 73564 | 0.72 | cps |
| Lead | 208-1 | 333998 | 338938 | 340060 | 337666 | 0.96 | cps |
| Lithium | 6-1 | 490432 | 483383 | 475897 | 483238 | 1.50 | cps |
| Magnesium | 24-2 | 5537175 | 5513192 | 5464991 | 5505119 | 0.67 | cps |
| Manganese | 55-2 | 2885454 | 2888534 | 2887900 | 2887296 | 0.06 | cps |
| Molybdenum | 94-1 | 48069 | 49868 | 50019 | 49318 | 2.20 | cps |
| Molybdenum | 95-1 | 3074 | 2897 | 3100 | 3024 | 3.66 | cps |
| Molybdenum | 96-1 | 12786 | 12899 | 12659 | 12781 | 0.94 | cps |
| Molybdenum | 97-1 | 1790 | 1873 | 2107 | 1923 | 8.53 | cps |
| Molybdenum | 98-1 | 4771 | 4701 | 4901 | 4791 | 2.12 | cps |
| Neodymium | 150-1 | 49339 | 50942 | 50734 | 50338 | 1.73 | cps |
| Neodymium | 150-2 | 29157 | 29311 | 29260 | 29243 | 0.27 | cps |
| Nickel | 60-2 | 84741 | 85308 | 86364 | 85471 | 0.96 | cps |
| Phosphorus | 31-2 | 15845 | 16632 | 16546 | 16341 | 2.64 | cps |
| Potassium | 39-2 | 1593199 | 1592935 | 1582496 | 1589543 | 0.38 | cps |
| Rhodium | 103-1 | 4239697 | 4261558 | 4125847 | 4209034 | 1.73 | cps |
| Rhodium | 103-2 | 2804937 | 2806761 | 2782444 | 2798047 | 0.48 | cps |
| Scandium | 45-1 | 2549875 | 2546190 | 2553099 | 2549721 | 0.14 | cps |
| Scandium | 45-2 | 291675 | 289691 | 289652 | 290339 | 0.40 | cps |
| Selenium | 82-1 | 354 | 319 | 354 | 343 | 5.88 | cps |
| Selenium | 77-2 | 120 | 70 | 60 | 83 | 38.57 | cps |
| Selenium | 78-2 | 377 | 357 | 373 | 369 | 2.91 | cps |
| Silicon | 28-1 | 7593721 | 7673099 | 7779302 | 7682041 | 1.21 | cps |
| Silver | 107-1 | 1050 | 1110 | 1097 | 1086 | 2.90 | cps |
| Silver | 109-1 | 853 | 960 | 963 | 926 | 6.76 | cps |
| Sodium | 23-2 | 347042 | 348731 | 352110 | 349294 | 0.74 | cps |
| Strontium | 86-1 | 302444 | 307904 | 308031 | 306126 | 1.04 | cps |
| Strontium | 88-1 | 2757676 | 2833264 | 2842557 | 2811166 | 1.66 | cps |
| Sulfur | 34-1 | 111100 | 114367 | 114411 | 113293 | 1.68 | cps |
| Terbium | 159-1 | 5847533 | 5741424 | 5779598 | 5789519 | 0.93 | cps |
| Terbium | 159-2 | 3799019 | 3710448 | 3776900 | 3762122 | 1.23 | cps |
| Thallium | 203-1 | 800 | 867 | 903 | 857 | 6.12 | cps |
| Thallium | 205-1 | 1950 | 2040 | 2020 | 2004 | 2.36 | cps |
| Tin | 118-1 | 10384 | 10040 | 10421 | 10282 | 2.04 | cps |
| Titanium | 47-1 | 985560 | 1011586 | 1009096 | 1002081 | 1.43 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-11 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE498 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:06:28 | DataFile Name : | 107SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14058 | 13407 | 13544 | 13669 | 2.51 | cps |
| Vanadium | 51-2 | 462429 | 458634 | 461416 | 460827 | 0.43 | cps |
| Yttrium | 89-1 | 7953045 | 7917490 | 7864508 | 7911681 | 0.56 | cps |
| Yttrium | 89-2 | 2352444 | 2331610 | 2369805 | 2351286 | 0.81 | cps |
| Zinc | 66-2 | 72411 | 72482 | 72394 | 72429 | 0.06 | cps |
| Zirconium | 90-1 | 126721 | 129347 | 130115 | 128728 | 1.38 | cps |
| Zirconium | 91-1 | 28194 | 28722 | 29456 | 28791 | 2.20 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-12 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE499 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:09:40 | DataFile Name : | 108SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6929478 | 6880399 | 6836794 | 6882224 | 0.67 | cps |
| Antimony | 121-1 | 11865 | 12526 | 11698 | 12030 | 3.64 | cps |
| Arsenic | 75-2 | 38079 | 37210 | 37892 | 37727 | 1.21 | cps |
| Barium | 135-1 | 644203 | 659558 | 658674 | 654145 | 1.32 | cps |
| Barium | 137-1 | 1110745 | 1139236 | 1132679 | 1127553 | 1.32 | cps |
| Beryllium | 9-1 | 900 | 820 | 863 | 861 | 4.65 | cps |
| Bismuth | 209-1 | 3531838 | 3455874 | 3429422 | 3472378 | 1.53 | cps |
| Bismuth | 209-2 | 2596929 | 2604222 | 2542770 | 2581307 | 1.30 | cps |
| Bromine | 81-1 | 7589 | 7652 | 7926 | 7722 | 2.32 | cps |
| Bromine | 81-2 | 670 | 707 | 627 | 668 | 6.00 | cps |
| Cadmium | 108-1 | 287 | 270 | 297 | 284 | 4.73 | cps |
| Cadmium | 106-1 | 1570 | 1530 | 1460 | 1520 | 3.66 | cps |
| Cadmium | 111-1 | 3669 | 3592 | 3541 | 3601 | 1.78 | cps |
| Calcium | 43-1 | 492139 | 500382 | 501430 | 497984 | 1.02 | cps |
| Calcium | 44-1 | 7706368 | 7949890 | 8066694 | 7907651 | 2.32 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 273459 | 273663 | 273419 | 273514 | 0.05 | cps |
| Cobalt | 59-2 | 188057 | 186761 | 186782 | 187200 | 0.40 | cps |
| Copper | 63-2 | 1097039 | 1081069 | 1089380 | 1089163 | 0.73 | cps |
| Dysprosium | 156-1 | 42972 | 44677 | 44089 | 43913 | 1.97 | cps |
| Dysprosium | 156-2 | 37593 | 37463 | 38035 | 37697 | 0.79 | cps |
| Erbium | 164-1 | 35812 | 36799 | 36544 | 36385 | 1.41 | cps |
| Erbium | 164-2 | 23670 | 23810 | 23784 | 23755 | 0.31 | cps |
| Gadolinium | 160-1 | 41839 | 42177 | 42915 | 42310 | 1.30 | cps |
| Gadolinium | 160-2 | 30142 | 30316 | 30336 | 30265 | 0.35 | cps |
| Holmium | 165-1 | 5639865 | 5609841 | 5517804 | 5589170 | 1.14 | cps |
| Holmium | 165-2 | 3868454 | 3847142 | 3792355 | 3835984 | 1.02 | cps |
| Indium | 115-1 | 4579627 | 4567417 | 4499381 | 4548809 | 0.95 | cps |
| Indium | 115-2 | 1682589 | 1677168 | 1629435 | 1663064 | 1.76 | cps |
| Iron | 56-2 | 215049410 | 210627090 | 212463677 | 212713392 | 1.04 | cps |
| Iron | 57-2 | 5312388 | 5280539 | 5271323 | 5288083 | 0.41 | cps |
| Iron | 54-2 | 11714983 | 11768259 | 11756241 | 11746494 | 0.24 | cps |
| Krypton | 83-1 | 213 | 227 | 217 | 219 | 3.17 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-12 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE499 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:09:40 | DataFile Name : | 108SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 281891 | 285431 | 285364 | 284229 | 0.71 | cps |
| Lead | 207-1 | 243104 | 243720 | 245958 | 244261 | 0.61 | cps |
| Lead | 208-1 | 1110011 | 1119217 | 1122495 | 1117241 | 0.58 | cps |
| Lithium | 6-1 | 481419 | 471384 | 478082 | 476962 | 1.07 | cps |
| Magnesium | 24-2 | 5155334 | 5212995 | 5240309 | 5202879 | 0.83 | cps |
| Manganese | 55-2 | 4520522 | 4502491 | 4542345 | 4521786 | 0.44 | cps |
| Molybdenum | 94-1 | 40082 | 41175 | 40850 | 40702 | 1.38 | cps |
| Molybdenum | 95-1 | 4801 | 5114 | 5034 | 4983 | 3.27 | cps |
| Molybdenum | 96-1 | 13099 | 13189 | 13553 | 13281 | 1.81 | cps |
| Molybdenum | 97-1 | 2957 | 3277 | 3250 | 3161 | 5.62 | cps |
| Molybdenum | 98-1 | 7619 | 7999 | 8026 | 7881 | 2.89 | cps |
| Neodymium | 150-1 | 82178 | 85044 | 84940 | 84054 | 1.93 | cps |
| Neodymium | 150-2 | 50028 | 47851 | 47276 | 48385 | 3.00 | cps |
| Nickel | 60-2 | 90310 | 89683 | 89639 | 89877 | 0.42 | cps |
| Phosphorus | 31-2 | 22917 | 24026 | 24072 | 23672 | 2.76 | cps |
| Potassium | 39-2 | 4213291 | 4174069 | 4185622 | 4190994 | 0.48 | cps |
| Rhodium | 103-1 | 4219555 | 4234644 | 4111793 | 4188664 | 1.60 | cps |
| Rhodium | 103-2 | 2830535 | 2824762 | 2723668 | 2792989 | 2.15 | cps |
| Scandium | 45-1 | 2562796 | 2590025 | 2604320 | 2585714 | 0.82 | cps |
| Scandium | 45-2 | 297718 | 299982 | 299593 | 299098 | 0.40 | cps |
| Selenium | 82-1 | 389 | 380 | 381 | 383 | 1.36 | cps |
| Selenium | 77-2 | 167 | 173 | 173 | 171 | 2.25 | cps |
| Selenium | 78-2 | 540 | 500 | 417 | 486 | 12.96 | cps |
| Silicon | 28-1 | 7885145 | 8236456 | 8013612 | 8045071 | 2.21 | cps |
| Silver | 107-1 | 5708 | 5808 | 5778 | 5765 | 0.89 | cps |
| Silver | 109-1 | 5261 | 5198 | 5534 | 5331 | 3.36 | cps |
| Sodium | 23-2 | 169030 | 170153 | 168903 | 169362 | 0.41 | cps |
| Strontium | 86-1 | 236189 | 237857 | 238041 | 237362 | 0.43 | cps |
| Strontium | 88-1 | 2131598 | 2212690 | 2226864 | 2190384 | 2.35 | cps |
| Sulfur | 34-1 | 112802 | 110244 | 106870 | 109972 | 2.71 | cps |
| Terbium | 159-1 | 5818429 | 5676794 | 5675968 | 5723730 | 1.43 | cps |
| Terbium | 159-2 | 3683090 | 3788447 | 3805009 | 3758849 | 1.76 | cps |
| Thallium | 203-1 | 2007 | 1850 | 1710 | 1856 | 8.00 | cps |
| Thallium | 205-1 | 4351 | 4327 | 4281 | 4320 | 0.83 | cps |
| Tin | 118-1 | 13036 | 13807 | 13300 | 13381 | 2.93 | cps |
| Titanium | 47-1 | 726544 | 740230 | 740668 | 735814 | 1.09 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-12 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE499 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:09:40 | DataFile Name : | 108SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 16076 | 16187 | 15936 | 16066 | 0.78 | cps |
| Vanadium | 51-2 | 416228 | 413591 | 414657 | 414826 | 0.32 | cps |
| Yttrium | 89-1 | 8200313 | 8181892 | 8092655 | 8158287 | 0.71 | cps |
| Yttrium | 89-2 | 2400567 | 2371696 | 2368110 | 2380125 | 0.75 | cps |
| Zinc | 66-2 | 147958 | 148958 | 149685 | 148867 | 0.58 | cps |
| Zirconium | 90-1 | 100254 | 105089 | 103968 | 103104 | 2.45 | cps |
| Zirconium | 91-1 | 22788 | 23249 | 22721 | 22919 | 1.25 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-13 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A0 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:12:49 | DataFile Name : | 109SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5341306 | 5252585 | 5203506 | 5265799 | 1.33 | cps |
| Antimony | 121-1 | 11578 | 12062 | 11825 | 11822 | 2.05 | cps |
| Arsenic | 75-2 | 35636 | 35656 | 35429 | 35574 | 0.35 | cps |
| Barium | 135-1 | 545627 | 560147 | 557611 | 554461 | 1.40 | cps |
| Barium | 137-1 | 937870 | 957142 | 950483 | 948498 | 1.03 | cps |
| Beryllium | 9-1 | 767 | 703 | 700 | 723 | 5.19 | cps |
| Bismuth | 209-1 | 3477997 | 3424885 | 3447716 | 3450199 | 0.77 | cps |
| Bismuth | 209-2 | 2647937 | 2660234 | 2678796 | 2662322 | 0.58 | cps |
| Bromine | 81-1 | 7372 | 7549 | 7572 | 7498 | 1.46 | cps |
| Bromine | 81-2 | 650 | 520 | 627 | 599 | 11.57 | cps |
| Cadmium | 108-1 | 177 | 217 | 193 | 196 | 10.27 | cps |
| Cadmium | 106-1 | 1377 | 1290 | 1397 | 1355 | 4.19 | cps |
| Cadmium | 111-1 | 2587 | 2732 | 2743 | 2687 | 3.23 | cps |
| Calcium | 43-1 | 290872 | 299403 | 298538 | 296271 | 1.58 | cps |
| Calcium | 44-1 | 4594368 | 4666028 | 4707173 | 4655856 | 1.23 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 214714 | 215096 | 215687 | 215165 | 0.23 | cps |
| Cobalt | 59-2 | 159852 | 159892 | 158316 | 159353 | 0.56 | cps |
| Copper | 63-2 | 735863 | 733779 | 730773 | 733472 | 0.35 | cps |
| Dysprosium | 156-1 | 33697 | 34716 | 34800 | 34404 | 1.78 | cps |
| Dysprosium | 156-2 | 30082 | 29050 | 30216 | 29783 | 2.14 | cps |
| Erbium | 164-1 | 28466 | 28072 | 28479 | 28339 | 0.82 | cps |
| Erbium | 164-2 | 18766 | 18492 | 18870 | 18709 | 1.04 | cps |
| Gadolinium | 160-1 | 32575 | 33457 | 32915 | 32982 | 1.35 | cps |
| Gadolinium | 160-2 | 23540 | 23396 | 23390 | 23442 | 0.36 | cps |
| Holmium | 165-1 | 5702563 | 5674007 | 5700275 | 5692282 | 0.28 | cps |
| Holmium | 165-2 | 3811818 | 3767535 | 3769174 | 3782843 | 0.66 | cps |
| Indium | 115-1 | 4510206 | 4544707 | 4435616 | 4496843 | 1.24 | cps |
| Indium | 115-2 | 1664967 | 1655957 | 1638744 | 1653223 | 0.81 | cps |
| Iron | 56-2 | 186249771 | 185688371 | 184420171 | 185452771 | 0.51 | cps |
| Iron | 57-2 | 4606272 | 4596167 | 4515127 | 4572522 | 1.09 | cps |
| Iron | 54-2 | 10238927 | 10245666 | 10249226 | 10244606 | 0.05 | cps |
| Krypton | 83-1 | 197 | 240 | 190 | 209 | 13.00 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-13 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A0 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:12:49 | DataFile Name : | 109SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 220225 | 224139 | 223321 | 222562 | 0.93 | cps |
| Lead | 207-1 | 189237 | 193435 | 192137 | 191603 | 1.12 | cps |
| Lead | 208-1 | 865780 | 875756 | 877141 | 872892 | 0.71 | cps |
| Lithium | 6-1 | 485657 | 483922 | 478842 | 482807 | 0.73 | cps |
| Magnesium | 24-2 | 4184994 | 4080109 | 4119200 | 4128101 | 1.28 | cps |
| Manganese | 55-2 | 4230174 | 4216120 | 4155853 | 4200716 | 0.94 | cps |
| Molybdenum | 94-1 | 36970 | 37809 | 37080 | 37286 | 1.22 | cps |
| Molybdenum | 95-1 | 4211 | 4411 | 4381 | 4334 | 2.49 | cps |
| Molybdenum | 96-1 | 11658 | 12042 | 11992 | 11897 | 1.75 | cps |
| Molybdenum | 97-1 | 2537 | 2634 | 2540 | 2570 | 2.14 | cps |
| Molybdenum | 98-1 | 6552 | 6658 | 6708 | 6639 | 1.21 | cps |
| Neodymium | 150-1 | 64530 | 65816 | 64758 | 65035 | 1.06 | cps |
| Neodymium | 150-2 | 39020 | 37236 | 38312 | 38189 | 2.35 | cps |
| Nickel | 60-2 | 76333 | 76923 | 76554 | 76603 | 0.39 | cps |
| Phosphorus | 31-2 | 19643 | 19102 | 19316 | 19353 | 1.41 | cps |
| Potassium | 39-2 | 3745080 | 3702969 | 3744041 | 3730697 | 0.64 | cps |
| Rhodium | 103-1 | 4259838 | 4215888 | 4198045 | 4224590 | 0.75 | cps |
| Rhodium | 103-2 | 2768548 | 2807410 | 2766741 | 2780900 | 0.83 | cps |
| Scandium | 45-1 | 2593375 | 2575143 | 2541985 | 2570168 | 1.01 | cps |
| Scandium | 45-2 | 292238 | 291799 | 289245 | 291094 | 0.56 | cps |
| Selenium | 82-1 | 343 | 281 | 306 | 310 | 10.03 | cps |
| Selenium | 77-2 | 103 | 150 | 157 | 137 | 21.27 | cps |
| Selenium | 78-2 | 400 | 460 | 497 | 452 | 10.79 | cps |
| Silicon | 28-1 | 7630903 | 7820658 | 7909396 | 7786986 | 1.83 | cps |
| Silver | 107-1 | 3620 | 3804 | 3887 | 3771 | 3.62 | cps |
| Silver | 109-1 | 3444 | 3390 | 3660 | 3498 | 4.09 | cps |
| Sodium | 23-2 | 138271 | 138793 | 138695 | 138586 | 0.20 | cps |
| Strontium | 86-1 | 175725 | 180370 | 180223 | 178773 | 1.48 | cps |
| Strontium | 88-1 | 1612339 | 1654329 | 1670489 | 1645719 | 1.82 | cps |
| Sulfur | 34-1 | 103638 | 104188 | 102078 | 103301 | 1.06 | cps |
| Terbium | 159-1 | 5853974 | 5818936 | 5829770 | 5834227 | 0.31 | cps |
| Terbium | 159-2 | 3753841 | 3848891 | 3812332 | 3805021 | 1.26 | cps |
| Thallium | 203-1 | 1370 | 1457 | 1500 | 1442 | 4.59 | cps |
| Thallium | 205-1 | 3601 | 3447 | 3504 | 3517 | 2.20 | cps |
| Tin | 118-1 | 11972 | 12772 | 12722 | 12489 | 3.59 | cps |
| Titanium | 47-1 | 645303 | 670577 | 662715 | 659532 | 1.96 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-13 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A0 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:12:49 | DataFile Name : | 109SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 13350 | 13390 | 13157 | 13299 | 0.94 | cps |
| Vanadium | 51-2 | 383271 | 379500 | 379174 | 380648 | 0.60 | cps |
| Yttrium | 89-1 | 8096666 | 7991452 | 8056236 | 8048118 | 0.66 | cps |
| Yttrium | 89-2 | 2337283 | 2359714 | 2367328 | 2354775 | 0.66 | cps |
| Zinc | 66-2 | 111693 | 112439 | 110556 | 111563 | 0.85 | cps |
| Zirconium | 90-1 | 90550 | 95109 | 97658 | 94439 | 3.81 | cps |
| Zirconium | 91-1 | 20064 | 21205 | 20982 | 20750 | 2.92 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-14 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A1 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:16:00 | DataFile Name : | 110SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4959975 | 5006235 | 4971060 | 4979090 | 0.49 | cps |
| Antimony | 121-1 | 7152 | 7385 | 7682 | 7406 | 3.59 | cps |
| Arsenic | 75-2 | 20845 | 20631 | 20765 | 20747 | 0.52 | cps |
| Barium | 135-1 | 483999 | 490539 | 492672 | 489070 | 0.92 | cps |
| Barium | 137-1 | 832589 | 846279 | 850748 | 843205 | 1.12 | cps |
| Beryllium | 9-1 | 610 | 667 | 583 | 620 | 6.86 | cps |
| Bismuth | 209-1 | 3460786 | 3419682 | 3389858 | 3423442 | 1.04 | cps |
| Bismuth | 209-2 | 2598024 | 2557167 | 2620605 | 2591932 | 1.24 | cps |
| Bromine | 81-1 | 6618 | 6738 | 6785 | 6714 | 1.28 | cps |
| Bromine | 81-2 | 507 | 463 | 380 | 450 | 14.31 | cps |
| Cadmium | 108-1 | 177 | 197 | 127 | 167 | 21.63 | cps |
| Cadmium | 106-1 | 1357 | 1267 | 1397 | 1340 | 4.97 | cps |
| Cadmium | 111-1 | 1673 | 1629 | 1709 | 1670 | 2.40 | cps |
| Calcium | 43-1 | 611832 | 621105 | 621702 | 618213 | 0.90 | cps |
| Calcium | 44-1 | 9630555 | 9800270 | 9929542 | 9786789 | 1.53 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 211708 | 208967 | 212532 | 211069 | 0.88 | cps |
| Cobalt | 59-2 | 159081 | 158801 | 159043 | 158975 | 0.10 | cps |
| Copper | 63-2 | 374710 | 375985 | 375250 | 375315 | 0.17 | cps |
| Dysprosium | 156-1 | 28699 | 28616 | 29090 | 28802 | 0.88 | cps |
| Dysprosium | 156-2 | 24989 | 24989 | 24989 | 24989 | 0.00 | cps |
| Erbium | 164-1 | 23426 | 23904 | 24194 | 23842 | 1.63 | cps |
| Erbium | 164-2 | 15746 | 16043 | 16183 | 15990 | 1.40 | cps |
| Gadolinium | 160-1 | 27076 | 27714 | 28105 | 27632 | 1.88 | cps |
| Gadolinium | 160-2 | 19404 | 19410 | 19701 | 19505 | 0.87 | cps |
| Holmium | 165-1 | 5563308 | 5619525 | 5615941 | 5599591 | 0.56 | cps |
| Holmium | 165-2 | 3692617 | 3723881 | 3819482 | 3745327 | 1.76 | cps |
| Indium | 115-1 | 4500845 | 4475221 | 4465106 | 4480391 | 0.41 | cps |
| Indium | 115-2 | 1685379 | 1672193 | 1645835 | 1667802 | 1.21 | cps |
| Iron | 56-2 | 172076467 | 171769431 | 171060984 | 171635627 | 0.30 | cps |
| Iron | 57-2 | 4286236 | 4215577 | 4317226 | 4273013 | 1.22 | cps |
| Iron | 54-2 | 9509783 | 9577663 | 9514301 | 9533916 | 0.40 | cps |
| Krypton | 83-1 | 183 | 187 | 193 | 188 | 2.71 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-14 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A1 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:16:00 | DataFile Name : | 110SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 93720 | 96026 | 96218 | 95321 | 1.46 | cps |
| Lead | 207-1 | 80835 | 80906 | 81362 | 81034 | 0.35 | cps |
| Lead | 208-1 | 366669 | 373132 | 372897 | 370899 | 0.99 | cps |
| Lithium | 6-1 | 474261 | 480550 | 479981 | 478264 | 0.73 | cps |
| Magnesium | 24-2 | 5875057 | 5766099 | 5850749 | 5830635 | 0.98 | cps |
| Manganese | 55-2 | 3011499 | 2965393 | 2970733 | 2982542 | 0.85 | cps |
| Molybdenum | 94-1 | 48503 | 48962 | 50065 | 49177 | 1.63 | cps |
| Molybdenum | 95-1 | 3460 | 3394 | 3334 | 3396 | 1.87 | cps |
| Molybdenum | 96-1 | 12796 | 13133 | 12699 | 12876 | 1.77 | cps |
| Molybdenum | 97-1 | 2067 | 2244 | 2124 | 2145 | 4.21 | cps |
| Molybdenum | 98-1 | 4974 | 5284 | 5451 | 5237 | 4.62 | cps |
| Neodymium | 150-1 | 54535 | 54729 | 55017 | 54760 | 0.44 | cps |
| Neodymium | 150-2 | 32036 | 32548 | 32855 | 32480 | 1.27 | cps |
| Nickel | 60-2 | 96159 | 97229 | 97156 | 96848 | 0.62 | cps |
| Phosphorus | 31-2 | 22243 | 22370 | 22493 | 22369 | 0.56 | cps |
| Potassium | 39-2 | 1948022 | 1970616 | 1987352 | 1968663 | 1.00 | cps |
| Rhodium | 103-1 | 4198220 | 4141901 | 4195483 | 4178535 | 0.76 | cps |
| Rhodium | 103-2 | 2745459 | 2774215 | 2764337 | 2761337 | 0.53 | cps |
| Scandium | 45-1 | 2500700 | 2529499 | 2538706 | 2522968 | 0.79 | cps |
| Scandium | 45-2 | 286032 | 284205 | 287659 | 285965 | 0.60 | cps |
| Selenium | 82-1 | 311 | 307 | 367 | 328 | 10.27 | cps |
| Selenium | 77-2 | 130 | 123 | 137 | 130 | 5.13 | cps |
| Selenium | 78-2 | 417 | 383 | 377 | 392 | 5.46 | cps |
| Silicon | 28-1 | 7793381 | 7971829 | 8110749 | 7958653 | 2.00 | cps |
| Silver | 107-1 | 1377 | 1513 | 1343 | 1411 | 6.38 | cps |
| Silver | 109-1 | 1143 | 1420 | 1337 | 1300 | 10.92 | cps |
| Sodium | 23-2 | 359642 | 360817 | 361194 | 360551 | 0.22 | cps |
| Strontium | 86-1 | 484393 | 493228 | 496953 | 491525 | 1.31 | cps |
| Strontium | 88-1 | 4537050 | 4621865 | 4624364 | 4594426 | 1.08 | cps |
| Sulfur | 34-1 | 110955 | 113739 | 114488 | 113061 | 1.65 | cps |
| Terbium | 159-1 | 5687816 | 5664138 | 5716207 | 5689387 | 0.46 | cps |
| Terbium | 159-2 | 3691765 | 3674039 | 3721338 | 3695714 | 0.65 | cps |
| Thallium | 203-1 | 890 | 887 | 980 | 919 | 5.76 | cps |
| Thallium | 205-1 | 2274 | 2067 | 2134 | 2158 | 4.89 | cps |
| Tin | 118-1 | 10471 | 11475 | 10684 | 10876 | 4.86 | cps |
| Titanium | 47-1 | 961245 | 982567 | 985153 | 976322 | 1.34 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-14 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A1 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:16:00 | DataFile Name : | 110SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 12569 | 12439 | 12456 | 12488 | 0.57 | cps |
| Vanadium | 51-2 | 383712 | 381169 | 383049 | 382644 | 0.34 | cps |
| Yttrium | 89-1 | 7952751 | 7937167 | 7986350 | 7958756 | 0.32 | cps |
| Yttrium | 89-2 | 2281985 | 2276248 | 2325187 | 2294473 | 1.17 | cps |
| Zinc | 66-2 | 77604 | 76759 | 78502 | 77622 | 1.12 | cps |
| Zirconium | 90-1 | 126332 | 130410 | 131218 | 129320 | 2.03 | cps |
| Zirconium | 91-1 | 27503 | 28501 | 29062 | 28355 | 2.79 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-15 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A2 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:19:09 | DataFile Name : | 111SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5445130 | 5339059 | 5329023 | 5371071 | 1.20 | cps |
| Antimony | 121-1 | 9270 | 9426 | 9243 | 9313 | 1.06 | cps |
| Arsenic | 75-2 | 29035 | 29322 | 29603 | 29320 | 0.97 | cps |
| Barium | 135-1 | 525205 | 519198 | 542785 | 529062 | 2.32 | cps |
| Barium | 137-1 | 901122 | 933072 | 905487 | 913227 | 1.90 | cps |
| Beryllium | 9-1 | 753 | 710 | 720 | 728 | 3.12 | cps |
| Bismuth | 209-1 | 3469610 | 3426862 | 3547156 | 3481209 | 1.75 | cps |
| Bismuth | 209-2 | 2563281 | 2647294 | 2617462 | 2609346 | 1.63 | cps |
| Bromine | 81-1 | 7325 | 7292 | 7785 | 7468 | 3.69 | cps |
| Bromine | 81-2 | 610 | 707 | 657 | 658 | 7.35 | cps |
| Cadmium | 108-1 | 170 | 170 | 190 | 177 | 6.54 | cps |
| Cadmium | 106-1 | 1327 | 1437 | 1273 | 1346 | 6.19 | cps |
| Cadmium | 111-1 | 2623 | 2790 | 2752 | 2722 | 3.21 | cps |
| Calcium | 43-1 | 198610 | 200922 | 202851 | 200794 | 1.06 | cps |
| Calcium | 44-1 | 3153753 | 3173353 | 3323346 | 3216818 | 2.88 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 218112 | 216008 | 218213 | 217444 | 0.57 | cps |
| Cobalt | 59-2 | 152496 | 153298 | 154022 | 153272 | 0.50 | cps |
| Copper | 63-2 | 759159 | 754928 | 759549 | 757878 | 0.34 | cps |
| Dysprosium | 156-1 | 34910 | 34372 | 34466 | 34583 | 0.83 | cps |
| Dysprosium | 156-2 | 29214 | 28562 | 29197 | 28991 | 1.28 | cps |
| Erbium | 164-1 | 27193 | 28245 | 28670 | 28036 | 2.71 | cps |
| Erbium | 164-2 | 18833 | 18923 | 19110 | 18955 | 0.75 | cps |
| Gadolinium | 160-1 | 32260 | 33771 | 32839 | 32957 | 2.31 | cps |
| Gadolinium | 160-2 | 23273 | 23807 | 23593 | 23558 | 1.14 | cps |
| Holmium | 165-1 | 5672710 | 5488562 | 5771819 | 5644364 | 2.55 | cps |
| Holmium | 165-2 | 3839727 | 3812085 | 3791478 | 3814430 | 0.63 | cps |
| Indium | 115-1 | 4578163 | 4382479 | 4599358 | 4520000 | 2.65 | cps |
| Indium | 115-2 | 1662822 | 1662114 | 1618052 | 1647663 | 1.56 | cps |
| Iron | 56-2 | 165226751 | 163799201 | 164916774 | 164647575 | 0.46 | cps |
| Iron | 57-2 | 4089256 | 4094132 | 4107841 | 4097076 | 0.24 | cps |
| Iron | 54-2 | 9127678 | 9162485 | 9133672 | 9141279 | 0.20 | cps |
| Krypton | 83-1 | 223 | 207 | 253 | 228 | 10.38 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-15 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A2 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:19:09 | DataFile Name : | 111SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 208328 | 208951 | 218157 | 211812 | 2.60 | cps |
| Lead | 207-1 | 181832 | 187762 | 177192 | 182262 | 2.91 | cps |
| Lead | 208-1 | 813570 | 824947 | 828034 | 822184 | 0.93 | cps |
| Lithium | 6-1 | 464912 | 473642 | 503331 | 480629 | 4.19 | cps |
| Magnesium | 24-2 | 3827266 | 3790192 | 3838848 | 3818769 | 0.67 | cps |
| Manganese | 55-2 | 3475531 | 3473673 | 3526914 | 3492039 | 0.87 | cps |
| Molybdenum | 94-1 | 32596 | 33528 | 34390 | 33505 | 2.68 | cps |
| Molybdenum | 95-1 | 4261 | 4144 | 4414 | 4273 | 3.17 | cps |
| Molybdenum | 96-1 | 10988 | 11461 | 11234 | 11228 | 2.11 | cps |
| Molybdenum | 97-1 | 2537 | 2974 | 2644 | 2718 | 8.38 | cps |
| Molybdenum | 98-1 | 6992 | 6898 | 6888 | 6926 | 0.82 | cps |
| Neodymium | 150-1 | 62109 | 62464 | 63602 | 62725 | 1.24 | cps |
| Neodymium | 150-2 | 38004 | 37941 | 37052 | 37666 | 1.41 | cps |
| Nickel | 60-2 | 70642 | 69879 | 70491 | 70337 | 0.57 | cps |
| Phosphorus | 31-2 | 15715 | 16292 | 15935 | 15981 | 1.82 | cps |
| Potassium | 39-2 | 3475909 | 3443746 | 3462939 | 3460865 | 0.47 | cps |
| Rhodium | 103-1 | 4313157 | 4268628 | 4076107 | 4219298 | 2.99 | cps |
| Rhodium | 103-2 | 2808533 | 2821376 | 2782690 | 2804200 | 0.70 | cps |
| Scandium | 45-1 | 2548306 | 2520348 | 2594972 | 2554542 | 1.48 | cps |
| Scandium | 45-2 | 290980 | 287406 | 285626 | 288004 | 0.95 | cps |
| Selenium | 82-1 | 343 | 392 | 282 | 339 | 16.19 | cps |
| Selenium | 77-2 | 143 | 120 | 120 | 128 | 10.55 | cps |
| Selenium | 78-2 | 457 | 403 | 433 | 431 | 6.20 | cps |
| Silicon | 28-1 | 8345539 | 7976789 | 8110922 | 8144417 | 2.29 | cps |
| Silver | 107-1 | 3914 | 4081 | 4037 | 4011 | 2.16 | cps |
| Silver | 109-1 | 3580 | 3827 | 3777 | 3728 | 3.50 | cps |
| Sodium | 23-2 | 136310 | 136768 | 134491 | 135856 | 0.89 | cps |
| Strontium | 86-1 | 138937 | 141385 | 137175 | 139166 | 1.52 | cps |
| Strontium | 88-1 | 1182970 | 1205527 | 1205585 | 1198027 | 1.09 | cps |
| Sulfur | 34-1 | 101759 | 100729 | 98364 | 100284 | 1.74 | cps |
| Terbium | 159-1 | 5845637 | 6086452 | 5633682 | 5855257 | 3.87 | cps |
| Terbium | 159-2 | 3743101 | 3733712 | 3737693 | 3738169 | 0.13 | cps |
| Thallium | 203-1 | 1577 | 1480 | 1413 | 1490 | 5.51 | cps |
| Thallium | 205-1 | 3250 | 3404 | 3304 | 3319 | 2.35 | cps |
| Tin | 118-1 | 11565 | 11779 | 11024 | 11456 | 3.39 | cps |
| Titanium | 47-1 | 659621 | 656834 | 660414 | 658956 | 0.29 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-15 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A2 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:19:09 | DataFile Name : | 111SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 13761 | 14024 | 13567 | 13784 | 1.66 | cps |
| Vanadium | 51-2 | 321704 | 319310 | 322282 | 321099 | 0.49 | cps |
| Yttrium | 89-1 | 7887772 | 7955751 | 7961913 | 7935145 | 0.52 | cps |
| Yttrium | 89-2 | 2328529 | 2300033 | 2343999 | 2324187 | 0.96 | cps |
| Zinc | 66-2 | 108987 | 109612 | 109122 | 109240 | 0.30 | cps |
| Zirconium | 90-1 | 83995 | 85811 | 88495 | 86100 | 2.63 | cps |
| Zirconium | 91-1 | 19573 | 19680 | 18285 | 19179 | 4.05 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-16 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A3 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:22:21 | DataFile Name : | 112SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3398454 | 3353841 | 3398277 | 3383524 | 0.76 | cps |
| Antimony | 121-1 | 5334 | 5471 | 5634 | 5480 | 2.74 | cps |
| Arsenic | 75-2 | 15562 | 15592 | 15949 | 15701 | 1.37 | cps |
| Barium | 135-1 | 354823 | 354961 | 357763 | 355849 | 0.47 | cps |
| Barium | 137-1 | 609523 | 615499 | 616288 | 613770 | 0.60 | cps |
| Beryllium | 9-1 | 407 | 480 | 577 | 488 | 17.48 | cps |
| Bismuth | 209-1 | 3553441 | 3475437 | 3438871 | 3489250 | 1.68 | cps |
| Bismuth | 209-2 | 2599585 | 2555464 | 2549854 | 2568301 | 1.06 | cps |
| Bromine | 81-1 | 6158 | 6265 | 6335 | 6252 | 1.42 | cps |
| Bromine | 81-2 | 337 | 367 | 390 | 364 | 7.34 | cps |
| Cadmium | 108-1 | 90 | 103 | 80 | 91 | 12.85 | cps |
| Cadmium | 106-1 | 1283 | 1173 | 1237 | 1231 | 4.48 | cps |
| Cadmium | 111-1 | 1455 | 1429 | 1483 | 1456 | 1.86 | cps |
| Calcium | 43-1 | 575613 | 587666 | 588090 | 583790 | 1.21 | cps |
| Calcium | 44-1 | 9207336 | 9285102 | 9354614 | 9282351 | 0.79 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 177069 | 176574 | 177373 | 177005 | 0.23 | cps |
| Cobalt | 59-2 | 110318 | 109432 | 109516 | 109755 | 0.45 | cps |
| Copper | 63-2 | 266726 | 265148 | 264670 | 265515 | 0.41 | cps |
| Dysprosium | 156-1 | 21487 | 22134 | 22104 | 21908 | 1.67 | cps |
| Dysprosium | 156-2 | 18699 | 19056 | 18779 | 18845 | 0.99 | cps |
| Erbium | 164-1 | 18232 | 18426 | 18032 | 18230 | 1.08 | cps |
| Erbium | 164-2 | 12436 | 12052 | 12165 | 12218 | 1.61 | cps |
| Gadolinium | 160-1 | 20762 | 20639 | 20765 | 20722 | 0.35 | cps |
| Gadolinium | 160-2 | 15215 | 14931 | 14675 | 14940 | 1.81 | cps |
| Holmium | 165-1 | 5596687 | 5649015 | 5503679 | 5583127 | 1.32 | cps |
| Holmium | 165-2 | 3773978 | 3733107 | 3731716 | 3746267 | 0.64 | cps |
| Indium | 115-1 | 4413212 | 4414589 | 4431397 | 4419733 | 0.23 | cps |
| Indium | 115-2 | 1662225 | 1632353 | 1605325 | 1633301 | 1.74 | cps |
| Iron | 56-2 | 130000941 | 130751775 | 129601385 | 130118034 | 0.45 | cps |
| Iron | 57-2 | 3253323 | 3229540 | 3186497 | 3223120 | 1.05 | cps |
| Iron | 54-2 | 7190439 | 7138122 | 7212164 | 7180242 | 0.53 | cps |
| Krypton | 83-1 | 180 | 260 | 160 | 200 | 26.46 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-16 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A3 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:22:21 | DataFile Name : | 112SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 78237 | 78237 | 77744 | 78073 | 0.36 | cps |
| Lead | 207-1 | 64804 | 65811 | 65015 | 65210 | 0.82 | cps |
| Lead | 208-1 | 299477 | 301594 | 300827 | 300633 | 0.36 | cps |
| Lithium | 6-1 | 486609 | 484086 | 472146 | 480947 | 1.61 | cps |
| Magnesium | 24-2 | 4939579 | 4930274 | 4869113 | 4912989 | 0.78 | cps |
| Manganese | 55-2 | 2158314 | 2153439 | 2103200 | 2138318 | 1.43 | cps |
| Molybdenum | 94-1 | 29376 | 30054 | 30131 | 29854 | 1.39 | cps |
| Molybdenum | 95-1 | 2867 | 2944 | 2837 | 2883 | 1.91 | cps |
| Molybdenum | 96-1 | 8603 | 9043 | 9226 | 8957 | 3.58 | cps |
| Molybdenum | 97-1 | 1660 | 1587 | 1683 | 1643 | 3.07 | cps |
| Molybdenum | 98-1 | 4291 | 4377 | 4454 | 4374 | 1.87 | cps |
| Neodymium | 150-1 | 40943 | 41778 | 41578 | 41433 | 1.05 | cps |
| Neodymium | 150-2 | 24545 | 24775 | 24268 | 24529 | 1.04 | cps |
| Nickel | 60-2 | 71268 | 71520 | 70980 | 71256 | 0.38 | cps |
| Phosphorus | 31-2 | 16733 | 16579 | 16756 | 16689 | 0.58 | cps |
| Potassium | 39-2 | 1577975 | 1542130 | 1530157 | 1550087 | 1.61 | cps |
| Rhodium | 103-1 | 4218151 | 4235959 | 4152761 | 4202291 | 1.04 | cps |
| Rhodium | 103-2 | 2770619 | 2780321 | 2766513 | 2772484 | 0.26 | cps |
| Scandium | 45-1 | 2476848 | 2447167 | 2432970 | 2452329 | 0.91 | cps |
| Scandium | 45-2 | 280801 | 278534 | 277325 | 278887 | 0.63 | cps |
| Selenium | 82-1 | 308 | 218 | 335 | 287 | 21.39 | cps |
| Selenium | 77-2 | 67 | 80 | 90 | 79 | 14.84 | cps |
| Selenium | 78-2 | 393 | 397 | 317 | 369 | 12.27 | cps |
| Silicon | 28-1 | 7122968 | 7151005 | 7317268 | 7197080 | 1.46 | cps |
| Silver | 107-1 | 1183 | 1050 | 1310 | 1181 | 11.01 | cps |
| Silver | 109-1 | 1083 | 1053 | 1053 | 1063 | 1.63 | cps |
| Sodium | 23-2 | 380134 | 377309 | 381505 | 379649 | 0.56 | cps |
| Strontium | 86-1 | 263519 | 266663 | 265672 | 265285 | 0.61 | cps |
| Strontium | 88-1 | 2427913 | 2443832 | 2479529 | 2450425 | 1.08 | cps |
| Sulfur | 34-1 | 110788 | 113950 | 116721 | 113820 | 2.61 | cps |
| Terbium | 159-1 | 5782189 | 5771881 | 5617590 | 5723887 | 1.61 | cps |
| Terbium | 159-2 | 3712269 | 3736153 | 3719780 | 3722734 | 0.33 | cps |
| Thallium | 203-1 | 797 | 720 | 737 | 751 | 5.37 | cps |
| Thallium | 205-1 | 1613 | 1720 | 1720 | 1685 | 3.66 | cps |
| Tin | 118-1 | 9130 | 9386 | 9120 | 9212 | 1.64 | cps |
| Titanium | 47-1 | 769942 | 781436 | 779649 | 777009 | 0.80 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-16 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A3 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:22:21 | DataFile Name : | 112SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 10207 | 9917 | 10281 | 10135 | 1.90 | cps |
| Vanadium | 51-2 | 289295 | 288386 | 288381 | 288687 | 0.18 | cps |
| Yttrium | 89-1 | 7768669 | 7731223 | 7741771 | 7747221 | 0.25 | cps |
| Yttrium | 89-2 | 2310678 | 2277471 | 2268032 | 2285394 | 0.98 | cps |
| Zinc | 66-2 | 63273 | 63136 | 62621 | 63010 | 0.55 | cps |
| Zirconium | 90-1 | 77419 | 77614 | 77832 | 77622 | 0.27 | cps |
| Zirconium | 91-1 | 16973 | 17167 | 17260 | 17133 | 0.85 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV039 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV039 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:25:29 | DataFile Name : | 113CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6381667 | 6310036 | 6284516 | 6325407 | 0.80 | cps |
| Antimony | 121-1 | 2686824 | 2776683 | 2815574 | 2759694 | 2.39 | cps |
| Arsenic | 75-2 | 184309 | 182423 | 182912 | 183215 | 0.53 | cps |
| Barium | 135-1 | 3488313 | 3593409 | 3582410 | 3554711 | 1.63 | cps |
| Barium | 137-1 | 5978397 | 6150726 | 6118021 | 6082381 | 1.50 | cps |
| Beryllium | 9-1 | 273486 | 285229 | 287046 | 281920 | 2.61 | cps |
| Bismuth | 209-1 | 3545449 | 3556459 | 3384281 | 3495396 | 2.76 | cps |
| Bismuth | 209-2 | 2660395 | 2684825 | 2693320 | 2679514 | 0.64 | cps |
| Bromine | 81-1 | 5148 | 5311 | 5364 | 5274 | 2.14 | cps |
| Bromine | 81-2 | 90 | 87 | 73 | 83 | 10.59 | cps |
| Cadmium | 108-1 | 45779 | 47324 | 47437 | 46846 | 1.98 | cps |
| Cadmium | 106-1 | 65641 | 66274 | 66632 | 66182 | 0.76 | cps |
| Cadmium | 111-1 | 632527 | 651716 | 651356 | 645200 | 1.70 | cps |
| Calcium | 43-1 | 3208272 | 3237476 | 3214904 | 3220217 | 0.48 | cps |
| Calcium | 44-1 | 52067566 | 53015714 | 52321548 | 52468276 | 0.94 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1264641 | 1265998 | 1258212 | 1262950 | 0.33 | cps |
| Cobalt | 59-2 | 2016774 | 2041738 | 2014115 | 2024209 | 0.75 | cps |
| Copper | 63-2 | 14329985 | 14214586 | 14208749 | 14251107 | 0.48 | cps |
| Dysprosium | 156-1 | 213 | 237 | 197 | 216 | 9.32 | cps |
| Dysprosium | 156-2 | 233 | 237 | 270 | 247 | 8.22 | cps |
| Erbium | 164-1 | 137 | 163 | 187 | 162 | 15.42 | cps |
| Erbium | 164-2 | 100 | 140 | 130 | 123 | 16.88 | cps |
| Gadolinium | 160-1 | 153 | 157 | 133 | 148 | 8.54 | cps |
| Gadolinium | 160-2 | 233 | 223 | 233 | 230 | 2.51 | cps |
| Holmium | 165-1 | 5992473 | 5979014 | 5655821 | 5875769 | 3.24 | cps |
| Holmium | 165-2 | 3947509 | 4029194 | 4051193 | 4009298 | 1.36 | cps |
| Indium | 115-1 | 4655788 | 4535362 | 4296618 | 4495922 | 4.07 | cps |
| Indium | 115-2 | 1694971 | 1647748 | 1653760 | 1665493 | 1.54 | cps |
| Iron | 56-2 | 269854049 | 267882909 | 268269689 | 268668883 | 0.39 | cps |
| Iron | 57-2 | 6698781 | 6639913 | 6771188 | 6703294 | 0.98 | cps |
| Iron | 54-2 | 14760809 | 14913304 | 14719186 | 14797766 | 0.69 | cps |
| Krypton | 83-1 | 180 | 200 | 193 | 191 | 5.33 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV039 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV039 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:25:29 | DataFile Name : | 113CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 9862115 | 10206344 | 10268072 | 10112177 | 2.16 | cps |
| Lead | 207-1 | 8704479 | 9003789 | 8969285 | 8892518 | 1.84 | cps |
| Lead | 208-1 | 39449640 | 40606568 | 41105674 | 40387294 | 2.10 | cps |
| Lithium | 6-1 | 525298 | 554728 | 534626 | 538217 | 2.79 | cps |
| Magnesium | 24-2 | 55392048 | 55353766 | 55484114 | 55409976 | 0.12 | cps |
| Manganese | 55-2 | 9084751 | 9077632 | 9116123 | 9092835 | 0.23 | cps |
| Molybdenum | 94-1 | 10098695 | 10290062 | 10391075 | 10259944 | 1.45 | cps |
| Molybdenum | 95-1 | 14719154 | 14913720 | 15058017 | 14896964 | 1.14 | cps |
| Molybdenum | 96-1 | 16154824 | 16447368 | 16225231 | 16275807 | 0.94 | cps |
| Molybdenum | 97-1 | 9152726 | 9378801 | 9368888 | 9300139 | 1.37 | cps |
| Molybdenum | 98-1 | 23836859 | 23933803 | 24082630 | 23951097 | 0.52 | cps |
| Neodymium | 150-1 | 203 | 187 | 173 | 188 | 8.00 | cps |
| Neodymium | 150-2 | 53 | 77 | 93 | 74 | 26.99 | cps |
| Nickel | 60-2 | 489024 | 488286 | 485552 | 487621 | 0.38 | cps |
| Phosphorus | 31-2 | 74604 | 75173 | 74902 | 74893 | 0.38 | cps |
| Potassium | 39-2 | 35824144 | 36206364 | 35784744 | 35938417 | 0.65 | cps |
| Rhodium | 103-1 | 4216292 | 4271786 | 3923887 | 4137322 | 4.52 | cps |
| Rhodium | 103-2 | 2718247 | 2756495 | 2714439 | 2729727 | 0.85 | cps |
| Scandium | 45-1 | 2514756 | 2536912 | 2361611 | 2471093 | 3.86 | cps |
| Scandium | 45-2 | 282953 | 283063 | 280510 | 282175 | 0.51 | cps |
| Selenium | 82-1 | 39017 | 39512 | 39932 | 39487 | 1.16 | cps |
| Selenium | 77-2 | 4581 | 4617 | 4674 | 4624 | 1.02 | cps |
| Selenium | 78-2 | 15482 | 15488 | 15475 | 15481 | 0.04 | cps |
| Silicon | 28-1 | 16580648 | 17118728 | 17162337 | 16953904 | 1.91 | cps |
| Silver | 107-1 | 3355579 | 3412623 | 3413673 | 3393959 | 0.98 | cps |
| Silver | 109-1 | 3173423 | 3284340 | 3228179 | 3228647 | 1.72 | cps |
| Sodium | 23-2 | 92720859 | 92888739 | 91553995 | 92387864 | 0.79 | cps |
| Strontium | 86-1 | 20971434 | 21333556 | 21513383 | 21272791 | 1.30 | cps |
| Strontium | 88-1 | 184215311 | 187293524 | 187546797 | 186351877 | 1.00 | cps |
| Sulfur | 34-1 | 273119 | 275887 | 278513 | 275840 | 0.98 | cps |
| Terbium | 159-1 | 6019155 | 6125132 | 5769252 | 5971180 | 3.06 | cps |
| Terbium | 159-2 | 3905560 | 3984029 | 3970772 | 3953453 | 1.06 | cps |
| Thallium | 203-1 | 2470828 | 2546418 | 2577179 | 2531475 | 2.16 | cps |
| Thallium | 205-1 | 5755018 | 6049855 | 6004781 | 5936551 | 2.68 | cps |
| Tin | 118-1 | 2130213 | 2206575 | 2198056 | 2178281 | 1.92 | cps |
| Titanium | 47-1 | 3444907 | 3477181 | 3524304 | 3482131 | 1.15 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV039 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV039 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:25:29 | DataFile Name : | 113CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7734213 | 8078926 | 8114308 | 7975816 | 2.63 | cps |
| Vanadium | 51-2 | 1152207 | 1150613 | 1141450 | 1148090 | 0.51 | cps |
| Yttrium | 89-1 | 7874436 | 7897667 | 7419855 | 7730653 | 3.48 | cps |
| Yttrium | 89-2 | 2292110 | 2253474 | 2255757 | 2267114 | 0.96 | cps |
| Zinc | 66-2 | 2354402 | 2403915 | 2386590 | 2381636 | 1.05 | cps |
| Zirconium | 90-1 | 4577455 | 4696187 | 4711149 | 4661597 | 1.57 | cps |
| Zirconium | 91-1 | 994950 | 1016866 | 1018592 | 1010136 | 1.30 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB039 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB039 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:28:17 | DataFile Name : | 114CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 440 | 430 | 467 | 446 | 4.25 | cps |
| Antimony | 121-1 | 1773 | 1673 | 1670 | 1706 | 3.44 | cps |
| Arsenic | 75-2 | 13 | 10 | 17 | 13 | 25.01 | cps |
| Barium | 135-1 | 210 | 157 | 160 | 176 | 17.02 | cps |
| Barium | 137-1 | 393 | 283 | 230 | 302 | 27.56 | cps |
| Beryllium | 9-1 | 47 | 33 | 23 | 34 | 34.00 | cps |
| Bismuth | 209-1 | 3808596 | 3755484 | 3684348 | 3749476 | 1.66 | cps |
| Bismuth | 209-2 | 2807809 | 2799360 | 2792117 | 2799762 | 0.28 | cps |
| Bromine | 81-1 | 5141 | 4801 | 5274 | 5072 | 4.81 | cps |
| Bromine | 81-2 | 63 | 87 | 70 | 73 | 16.39 | cps |
| Cadmium | 108-1 | 13 | 13 | 7 | 11 | 34.61 | cps |
| Cadmium | 106-1 | 1077 | 1013 | 933 | 1008 | 7.13 | cps |
| Cadmium | 111-1 | 804 | 743 | 692 | 747 | 7.53 | cps |
| Calcium | 43-1 | 307 | 277 | 183 | 256 | 25.17 | cps |
| Calcium | 44-1 | 11515 | 10487 | 9873 | 10625 | 7.80 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 650 | 633 | 523 | 602 | 11.43 | cps |
| Cobalt | 59-2 | 133 | 100 | 73 | 102 | 29.41 | cps |
| Copper | 63-2 | 1317 | 1207 | 1127 | 1217 | 7.84 | cps |
| Dysprosium | 156-1 | 77 | 60 | 83 | 73 | 16.39 | cps |
| Dysprosium | 156-2 | 7 | 23 | 37 | 22 | 67.63 | cps |
| Erbium | 164-1 | 47 | 37 | 53 | 46 | 18.41 | cps |
| Erbium | 164-2 | 7 | 30 | 33 | 23 | 62.26 | cps |
| Gadolinium | 160-1 | 20 | 37 | 30 | 29 | 29.04 | cps |
| Gadolinium | 160-2 | 160 | 147 | 150 | 152 | 4.56 | cps |
| Holmium | 165-1 | 5969331 | 5899865 | 5825195 | 5898130 | 1.22 | cps |
| Holmium | 165-2 | 3949358 | 3926520 | 3893961 | 3923280 | 0.71 | cps |
| Indium | 115-1 | 4823695 | 4708269 | 4559121 | 4697028 | 2.82 | cps |
| Indium | 115-2 | 1735718 | 1728946 | 1776656 | 1747106 | 1.48 | cps |
| Iron | 56-2 | 18912 | 18181 | 17998 | 18364 | 2.63 | cps |
| Iron | 57-2 | 2707 | 2724 | 2794 | 2741 | 1.68 | cps |
| Iron | 54-2 | 1643 | 1690 | 1697 | 1677 | 1.73 | cps |
| Krypton | 83-1 | 147 | 170 | 173 | 163 | 8.90 | cps |

Reviewed By:Mohan
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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB039 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB039 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:28:17 | DataFile Name : | 114CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1013 | 837 | 813 | 888 | 12.32 | cps |
| Lead | 207-1 | 947 | 777 | 637 | 787 | 19.73 | cps |
| Lead | 208-1 | 4077 | 3520 | 3050 | 3549 | 14.48 | cps |
| Lithium | 6-1 | 565498 | 552804 | 546162 | 554821 | 1.77 | cps |
| Magnesium | 24-2 | 1650 | 1567 | 1583 | 1600 | 2.76 | cps |
| Manganese | 55-2 | 513 | 480 | 473 | 489 | 4.38 | cps |
| Molybdenum | 94-1 | 840 | 707 | 653 | 733 | 13.11 | cps |
| Molybdenum | 95-1 | 1143 | 887 | 723 | 918 | 23.07 | cps |
| Molybdenum | 96-1 | 1257 | 933 | 957 | 1049 | 17.19 | cps |
| Molybdenum | 97-1 | 710 | 550 | 497 | 586 | 18.96 | cps |
| Molybdenum | 98-1 | 1687 | 1353 | 1233 | 1425 | 16.49 | cps |
| Neodymium | 150-1 | 3 | 7 | 7 | 6 | 34.70 | cps |
| Neodymium | 150-2 | 7 | 3 | 0 | 3 | 100.05 | cps |
| Nickel | 60-2 | 97 | 70 | 93 | 87 | 16.77 | cps |
| Phosphorus | 31-2 | 97 | 117 | 130 | 114 | 14.66 | cps |
| Potassium | 39-2 | 78363 | 78853 | 77677 | 78298 | 0.75 | cps |
| Rhodium | 103-1 | 4443903 | 4379478 | 4391742 | 4405041 | 0.78 | cps |
| Rhodium | 103-2 | 2886539 | 2874660 | 2883363 | 2881521 | 0.21 | cps |
| Scandium | 45-1 | 2519073 | 2499551 | 2514392 | 2511005 | 0.41 | cps |
| Scandium | 45-2 | 278511 | 277250 | 276851 | 277537 | 0.31 | cps |
| Selenium | 82-1 | 242 | 258 | 264 | 255 | 4.39 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 413 | 310 | 357 | 360 | 14.37 | cps |
| Silicon | 28-1 | 176314 | 173886 | 172272 | 174157 | 1.17 | cps |
| Silver | 107-1 | 397 | 313 | 263 | 324 | 20.76 | cps |
| Silver | 109-1 | 357 | 290 | 270 | 306 | 14.85 | cps |
| Sodium | 23-2 | 43344 | 42047 | 42124 | 42505 | 1.71 | cps |
| Strontium | 86-1 | 1203 | 997 | 780 | 993 | 21.31 | cps |
| Strontium | 88-1 | 8756 | 5991 | 4637 | 6462 | 32.49 | cps |
| Sulfur | 34-1 | 121391 | 120739 | 120430 | 120853 | 0.41 | cps |
| Terbium | 159-1 | 6091428 | 5903376 | 5995027 | 5996610 | 1.57 | cps |
| Terbium | 159-2 | 3911080 | 3884511 | 3858242 | 3884611 | 0.68 | cps |
| Thallium | 203-1 | 487 | 437 | 377 | 433 | 12.71 | cps |
| Thallium | 205-1 | 1190 | 927 | 760 | 959 | 22.61 | cps |
| Tin | 118-1 | 1247 | 1363 | 1363 | 1325 | 5.09 | cps |
| Titanium | 47-1 | 260 | 193 | 197 | 217 | 17.34 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB039 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB039 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:28:17 | DataFile Name : | 114CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 263 | 233 | 210 | 236 | 11.35 | cps |
| Vanadium | 51-2 | 47 | 50 | 27 | 41 | 30.69 | cps |
| Yttrium | 89-1 | 7975835 | 7781287 | 7636297 | 7797806 | 2.18 | cps |
| Yttrium | 89-2 | 2265522 | 2292746 | 2251420 | 2269896 | 0.93 | cps |
| Zinc | 66-2 | 457 | 460 | 440 | 452 | 2.37 | cps |
| Zirconium | 90-1 | 650 | 563 | 500 | 571 | 13.19 | cps |
| Zirconium | 91-1 | 137 | 110 | 100 | 116 | 16.40 | cps |

Reviewed By:Mohan
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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-17 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A4 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:31:34 | DataFile Name : | 115SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6193398 | 6248184 | 6195128 | 6212237 | 0.50 | cps |
| Antimony | 121-1 | 7172 | 7552 | 7782 | 7502 | 4.11 | cps |
| Arsenic | 75-2 | 20695 | 21175 | 20758 | 20876 | 1.25 | cps |
| Barium | 135-1 | 621049 | 635023 | 628048 | 628040 | 1.11 | cps |
| Barium | 137-1 | 1069854 | 1090696 | 1088260 | 1082937 | 1.05 | cps |
| Beryllium | 9-1 | 873 | 810 | 690 | 791 | 11.77 | cps |
| Bismuth | 209-1 | 3526593 | 3525053 | 3456062 | 3502569 | 1.15 | cps |
| Bismuth | 209-2 | 2719230 | 2595903 | 2336274 | 2550469 | 7.66 | cps |
| Bromine | 81-1 | 5878 | 5865 | 6435 | 6059 | 5.37 | cps |
| Bromine | 81-2 | 330 | 323 | 357 | 337 | 5.24 | cps |
| Cadmium | 108-1 | 270 | 283 | 250 | 268 | 6.26 | cps |
| Cadmium | 106-1 | 1570 | 1477 | 1617 | 1555 | 4.59 | cps |
| Cadmium | 111-1 | 1830 | 1722 | 1950 | 1834 | 6.22 | cps |
| Calcium | 43-1 | 536399 | 551194 | 554022 | 547205 | 1.73 | cps |
| Calcium | 44-1 | 8496478 | 8833624 | 8664369 | 8664824 | 1.95 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 245443 | 245491 | 245524 | 245486 | 0.02 | cps |
| Cobalt | 59-2 | 200283 | 196941 | 199932 | 199052 | 0.92 | cps |
| Copper | 63-2 | 476994 | 479915 | 481396 | 479435 | 0.47 | cps |
| Dysprosium | 156-1 | 34556 | 34923 | 35478 | 34986 | 1.33 | cps |
| Dysprosium | 156-2 | 30707 | 30844 | 31004 | 30852 | 0.48 | cps |
| Erbium | 164-1 | 27293 | 27905 | 28132 | 27777 | 1.56 | cps |
| Erbium | 164-2 | 18045 | 18145 | 18476 | 18222 | 1.24 | cps |
| Gadolinium | 160-1 | 32317 | 32381 | 32301 | 32333 | 0.13 | cps |
| Gadolinium | 160-2 | 23059 | 23603 | 23129 | 23264 | 1.27 | cps |
| Holmium | 165-1 | 5639484 | 5664380 | 5611842 | 5638569 | 0.47 | cps |
| Holmium | 165-2 | 3913996 | 3751198 | 3400363 | 3688519 | 7.12 | cps |
| Indium | 115-1 | 4565974 | 4501382 | 4506001 | 4524453 | 0.80 | cps |
| Indium | 115-2 | 1709473 | 1662503 | 1484893 | 1618956 | 7.32 | cps |
| Iron | 56-2 | 199993230 | 195926290 | 200197870 | 198705797 | 1.21 | cps |
| Iron | 57-2 | 4988442 | 4998853 | 4966591 | 4984628 | 0.33 | cps |
| Iron | 54-2 | 11126225 | 10985855 | 11019293 | 11043791 | 0.66 | cps |
| Krypton | 83-1 | 203 | 267 | 187 | 219 | 19.28 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-17 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A4 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:31:34 | DataFile Name : | 115SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 108902 | 110068 | 109729 | 109566 | 0.55 | cps |
| Lead | 207-1 | 93183 | 93657 | 92730 | 93190 | 0.50 | cps |
| Lead | 208-1 | 423373 | 426883 | 424381 | 424879 | 0.43 | cps |
| Lithium | 6-1 | 518455 | 495134 | 480447 | 498012 | 3.85 | cps |
| Magnesium | 24-2 | 6904529 | 6936840 | 6972417 | 6937929 | 0.49 | cps |
| Manganese | 55-2 | 3741023 | 3700551 | 3754999 | 3732191 | 0.76 | cps |
| Molybdenum | 94-1 | 103299 | 104699 | 105443 | 104480 | 1.04 | cps |
| Molybdenum | 95-1 | 3237 | 3424 | 3477 | 3379 | 3.73 | cps |
| Molybdenum | 96-1 | 22220 | 22447 | 23012 | 22560 | 1.81 | cps |
| Molybdenum | 97-1 | 2084 | 1960 | 2037 | 2027 | 3.07 | cps |
| Molybdenum | 98-1 | 5121 | 5188 | 5488 | 5265 | 3.71 | cps |
| Neodymium | 150-1 | 69440 | 69122 | 69500 | 69354 | 0.29 | cps |
| Neodymium | 150-2 | 41959 | 41130 | 41090 | 41393 | 1.19 | cps |
| Nickel | 60-2 | 132093 | 132947 | 132580 | 132540 | 0.32 | cps |
| Phosphorus | 31-2 | 25525 | 24733 | 24747 | 25002 | 1.81 | cps |
| Potassium | 39-2 | 1820435 | 1828182 | 1812553 | 1820390 | 0.43 | cps |
| Rhodium | 103-1 | 4166902 | 4202624 | 4221748 | 4197091 | 0.66 | cps |
| Rhodium | 103-2 | 2853554 | 2828798 | 2517269 | 2733207 | 6.86 | cps |
| Scandium | 45-1 | 2536534 | 2573040 | 2602806 | 2570793 | 1.29 | cps |
| Scandium | 45-2 | 303177 | 297186 | 268622 | 289661 | 6.37 | cps |
| Selenium | 82-1 | 291 | 273 | 349 | 304 | 13.13 | cps |
| Selenium | 77-2 | 120 | 117 | 143 | 127 | 11.47 | cps |
| Selenium | 78-2 | 497 | 397 | 387 | 427 | 14.26 | cps |
| Silicon | 28-1 | 7285285 | 7334667 | 7279125 | 7299692 | 0.42 | cps |
| Silver | 107-1 | 2053 | 1947 | 1820 | 1940 | 6.02 | cps |
| Silver | 109-1 | 1767 | 1747 | 1560 | 1691 | 6.74 | cps |
| Sodium | 23-2 | 609549 | 606327 | 613594 | 609823 | 0.60 | cps |
| Strontium | 86-1 | 1150120 | 1178632 | 1180689 | 1169814 | 1.46 | cps |
| Strontium | 88-1 | 10438177 | 10904739 | 10867952 | 10736956 | 2.42 | cps |
| Sulfur | 34-1 | 114733 | 113504 | 112134 | 113457 | 1.15 | cps |
| Terbium | 159-1 | 5959838 | 5808646 | 5814204 | 5860896 | 1.46 | cps |
| Terbium | 159-2 | 3899363 | 3723761 | 3393210 | 3672112 | 7.00 | cps |
| Thallium | 203-1 | 1323 | 1217 | 1183 | 1241 | 5.89 | cps |
| Thallium | 205-1 | 2800 | 2874 | 2720 | 2798 | 2.74 | cps |
| Tin | 118-1 | 10627 | 10767 | 11191 | 10862 | 2.70 | cps |
| Titanium | 47-1 | 1396099 | 1423928 | 1425802 | 1415276 | 1.18 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-17 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A4 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:31:34 | DataFile Name : | 115SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 15219 | 15733 | 15476 | 15476 | 1.66 | cps |
| Vanadium | 51-2 | 435689 | 430695 | 436448 | 434278 | 0.72 | cps |
| Yttrium | 89-1 | 7981247 | 8056758 | 8086020 | 8041342 | 0.67 | cps |
| Yttrium | 89-2 | 2433351 | 2385879 | 2090350 | 2303193 | 8.07 | cps |
| Zinc | 66-2 | 82741 | 84209 | 83056 | 83335 | 0.93 | cps |
| Zirconium | 90-1 | 273034 | 281675 | 282911 | 279207 | 1.93 | cps |
| Zirconium | 91-1 | 60507 | 62847 | 62228 | 61861 | 1.96 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-18 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A5 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:34:44 | DataFile Name : | 116SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6643187 | 6502118 | 6461836 | 6535714 | 1.46 | cps |
| Antimony | 121-1 | 12349 | 12649 | 13026 | 12675 | 2.68 | cps |
| Arsenic | 75-2 | 43620 | 43293 | 43346 | 43420 | 0.40 | cps |
| Barium | 135-1 | 696315 | 707610 | 704538 | 702821 | 0.83 | cps |
| Barium | 137-1 | 1192878 | 1220696 | 1207520 | 1207031 | 1.15 | cps |
| Beryllium | 9-1 | 877 | 940 | 857 | 891 | 4.88 | cps |
| Bismuth | 209-1 | 3541911 | 3476124 | 3472087 | 3496707 | 1.12 | cps |
| Bismuth | 209-2 | 2666400 | 2583086 | 2635518 | 2628335 | 1.60 | cps |
| Bromine | 81-1 | 7869 | 8166 | 8332 | 8122 | 2.89 | cps |
| Bromine | 81-2 | 743 | 817 | 740 | 767 | 5.65 | cps |
| Cadmium | 108-1 | 200 | 290 | 267 | 252 | 18.52 | cps |
| Cadmium | 106-1 | 1437 | 1433 | 1423 | 1431 | 0.49 | cps |
| Cadmium | 111-1 | 3296 | 3351 | 3390 | 3346 | 1.41 | cps |
| Calcium | 43-1 | 401897 | 406839 | 410966 | 406567 | 1.12 | cps |
| Calcium | 44-1 | 6418096 | 6439412 | 6339574 | 6399028 | 0.82 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 280227 | 274834 | 275923 | 276995 | 1.03 | cps |
| Cobalt | 59-2 | 198441 | 195031 | 195328 | 196267 | 0.96 | cps |
| Copper | 63-2 | 1000271 | 999576 | 988687 | 996178 | 0.65 | cps |
| Dysprosium | 156-1 | 42414 | 43390 | 42862 | 42889 | 1.14 | cps |
| Dysprosium | 156-2 | 36334 | 36190 | 36735 | 36419 | 0.78 | cps |
| Erbium | 164-1 | 34757 | 35488 | 35031 | 35092 | 1.05 | cps |
| Erbium | 164-2 | 23647 | 23350 | 23336 | 23444 | 0.75 | cps |
| Gadolinium | 160-1 | 41057 | 41134 | 41451 | 41214 | 0.51 | cps |
| Gadolinium | 160-2 | 29197 | 29054 | 29067 | 29106 | 0.27 | cps |
| Holmium | 165-1 | 5684872 | 5675722 | 5616341 | 5658979 | 0.66 | cps |
| Holmium | 165-2 | 3860963 | 3733755 | 3744030 | 3779583 | 1.87 | cps |
| Indium | 115-1 | 4585393 | 4616833 | 4461397 | 4554541 | 1.80 | cps |
| Indium | 115-2 | 1698834 | 1702329 | 1685339 | 1695501 | 0.53 | cps |
| Iron | 56-2 | 221692783 | 218320057 | 221735697 | 220582846 | 0.89 | cps |
| Iron | 57-2 | 5439951 | 5476415 | 5338118 | 5418161 | 1.32 | cps |
| Iron | 54-2 | 12157240 | 11964066 | 12222276 | 12114527 | 1.11 | cps |
| Krypton | 83-1 | 240 | 230 | 243 | 238 | 2.92 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-18 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A5 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:34:44 | DataFile Name : | 116SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 289773 | 291319 | 292496 | 291196 | 0.47 | cps |
| Lead | 207-1 | 249878 | 252356 | 252648 | 251627 | 0.60 | cps |
| Lead | 208-1 | 1136011 | 1149202 | 1149093 | 1144769 | 0.66 | cps |
| Lithium | 6-1 | 487824 | 479211 | 482426 | 483154 | 0.90 | cps |
| Magnesium | 24-2 | 5098571 | 5012217 | 4968363 | 5026384 | 1.32 | cps |
| Manganese | 55-2 | 4857178 | 4807218 | 4907339 | 4857245 | 1.03 | cps |
| Molybdenum | 94-1 | 42207 | 43732 | 44441 | 43460 | 2.63 | cps |
| Molybdenum | 95-1 | 5008 | 5218 | 4951 | 5059 | 2.78 | cps |
| Molybdenum | 96-1 | 14524 | 14314 | 14247 | 14362 | 1.01 | cps |
| Molybdenum | 97-1 | 3247 | 3290 | 3237 | 3258 | 0.87 | cps |
| Molybdenum | 98-1 | 7856 | 8166 | 7949 | 7990 | 1.99 | cps |
| Neodymium | 150-1 | 81024 | 80451 | 81927 | 81134 | 0.92 | cps |
| Neodymium | 150-2 | 48175 | 48008 | 47834 | 48006 | 0.36 | cps |
| Nickel | 60-2 | 94633 | 92798 | 93168 | 93533 | 1.04 | cps |
| Phosphorus | 31-2 | 25672 | 25548 | 25762 | 25660 | 0.42 | cps |
| Potassium | 39-2 | 4207285 | 4223576 | 4206947 | 4212603 | 0.23 | cps |
| Rhodium | 103-1 | 4318070 | 4297051 | 4227205 | 4280775 | 1.11 | cps |
| Rhodium | 103-2 | 2826850 | 2832430 | 2794041 | 2817774 | 0.74 | cps |
| Scandium | 45-1 | 2653341 | 2643349 | 2588750 | 2628480 | 1.32 | cps |
| Scandium | 45-2 | 304528 | 303163 | 300767 | 302819 | 0.63 | cps |
| Selenium | 82-1 | 391 | 460 | 410 | 420 | 8.52 | cps |
| Selenium | 77-2 | 153 | 180 | 190 | 174 | 10.86 | cps |
| Selenium | 78-2 | 437 | 447 | 460 | 448 | 2.61 | cps |
| Silicon | 28-1 | 9028870 | 9227770 | 9309722 | 9188788 | 1.57 | cps |
| Silver | 107-1 | 5048 | 5294 | 5344 | 5229 | 3.04 | cps |
| Silver | 109-1 | 4998 | 4918 | 5091 | 5002 | 1.74 | cps |
| Sodium | 23-2 | 158645 | 157777 | 158564 | 158328 | 0.30 | cps |
| Strontium | 86-1 | 201564 | 204621 | 205046 | 203744 | 0.93 | cps |
| Strontium | 88-1 | 1865613 | 1894781 | 1898813 | 1886402 | 0.96 | cps |
| Sulfur | 34-1 | 109887 | 106471 | 104648 | 107002 | 2.49 | cps |
| Terbium | 159-1 | 5913572 | 5813077 | 5787616 | 5838088 | 1.14 | cps |
| Terbium | 159-2 | 3817646 | 3753766 | 3820106 | 3797173 | 0.99 | cps |
| Thallium | 203-1 | 1790 | 1957 | 1990 | 1912 | 5.60 | cps |
| Thallium | 205-1 | 4497 | 4487 | 4527 | 4504 | 0.46 | cps |
| Tin | 118-1 | 12996 | 12596 | 12486 | 12692 | 2.12 | cps |
| Titanium | 47-1 | 713953 | 729837 | 725902 | 723231 | 1.14 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-18 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A5 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:34:44 | DataFile Name : | 116SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 16507 | 16590 | 16574 | 16557 | 0.27 | cps |
| Vanadium | 51-2 | 436458 | 432459 | 437036 | 435317 | 0.57 | cps |
| Yttrium | 89-1 | 8373522 | 8308608 | 8376375 | 8352835 | 0.46 | cps |
| Yttrium | 89-2 | 2443490 | 2450892 | 2388748 | 2427710 | 1.40 | cps |
| Zinc | 66-2 | 143458 | 143802 | 141603 | 142954 | 0.83 | cps |
| Zirconium | 90-1 | 107399 | 110612 | 110399 | 109470 | 1.64 | cps |
| Zirconium | 91-1 | 24430 | 23826 | 24497 | 24251 | 1.52 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-19 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A6 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:37:52 | DataFile Name : | 117SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6352239 | 6317417 | 6326596 | 6332084 | 0.29 | cps |
| Antimony | 121-1 | 10607 | 10474 | 10537 | 10540 | 0.63 | cps |
| Arsenic | 75-2 | 33448 | 33835 | 32947 | 33410 | 1.33 | cps |
| Barium | 135-1 | 601257 | 611839 | 616840 | 609979 | 1.30 | cps |
| Barium | 137-1 | 1046425 | 1062518 | 1062381 | 1057108 | 0.88 | cps |
| Beryllium | 9-1 | 807 | 837 | 740 | 794 | 6.23 | cps |
| Bismuth | 209-1 | 3530797 | 3507821 | 3478455 | 3505691 | 0.75 | cps |
| Bismuth | 209-2 | 2641007 | 2648049 | 2691887 | 2660314 | 1.04 | cps |
| Bromine | 81-1 | 7589 | 7755 | 7695 | 7680 | 1.10 | cps |
| Bromine | 81-2 | 750 | 697 | 613 | 687 | 10.03 | cps |
| Cadmium | 108-1 | 217 | 220 | 270 | 236 | 12.69 | cps |
| Cadmium | 106-1 | 1423 | 1440 | 1397 | 1420 | 1.54 | cps |
| Cadmium | 111-1 | 2718 | 2858 | 2679 | 2752 | 3.41 | cps |
| Calcium | 43-1 | 311675 | 316958 | 317631 | 315422 | 1.03 | cps |
| Calcium | 44-1 | 4868472 | 5021680 | 5028812 | 4972988 | 1.82 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 250426 | 250068 | 248449 | 249648 | 0.42 | cps |
| Cobalt | 59-2 | 170443 | 171815 | 170353 | 170870 | 0.48 | cps |
| Copper | 63-2 | 753976 | 755142 | 750026 | 753048 | 0.36 | cps |
| Dysprosium | 156-1 | 38165 | 38165 | 38900 | 38410 | 1.11 | cps |
| Dysprosium | 156-2 | 33025 | 32979 | 33356 | 33120 | 0.62 | cps |
| Erbium | 164-1 | 30771 | 31990 | 32020 | 31593 | 2.26 | cps |
| Erbium | 164-2 | 21066 | 21220 | 20926 | 21070 | 0.70 | cps |
| Gadolinium | 160-1 | 37253 | 37547 | 37343 | 37381 | 0.40 | cps |
| Gadolinium | 160-2 | 27110 | 27123 | 27143 | 27125 | 0.06 | cps |
| Holmium | 165-1 | 5645088 | 5682718 | 5539307 | 5622371 | 1.32 | cps |
| Holmium | 165-2 | 3828460 | 3864985 | 3870876 | 3854774 | 0.60 | cps |
| Indium | 115-1 | 4519085 | 4498116 | 4448698 | 4488633 | 0.81 | cps |
| Indium | 115-2 | 1688813 | 1666013 | 1714077 | 1689635 | 1.42 | cps |
| Iron | 56-2 | 190967877 | 191307870 | 191490904 | 191255550 | 0.14 | cps |
| Iron | 57-2 | 4689214 | 4740997 | 4729588 | 4719933 | 0.58 | cps |
| Iron | 54-2 | 10591975 | 10520428 | 10609120 | 10573841 | 0.44 | cps |
| Krypton | 83-1 | 220 | 183 | 257 | 220 | 16.67 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-19 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A6 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:37:52 | DataFile Name : | 117SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 228301 | 230231 | 230732 | 229755 | 0.56 | cps |
| Lead | 207-1 | 195998 | 197792 | 200779 | 198190 | 1.22 | cps |
| Lead | 208-1 | 896519 | 902990 | 905846 | 901785 | 0.53 | cps |
| Lithium | 6-1 | 496094 | 499261 | 493939 | 496432 | 0.54 | cps |
| Magnesium | 24-2 | 4591377 | 4518959 | 4491801 | 4534046 | 1.14 | cps |
| Manganese | 55-2 | 4234461 | 4151752 | 4254117 | 4213443 | 1.29 | cps |
| Molybdenum | 94-1 | 40182 | 42154 | 40940 | 41092 | 2.42 | cps |
| Molybdenum | 95-1 | 4584 | 4054 | 4217 | 4285 | 6.34 | cps |
| Molybdenum | 96-1 | 12252 | 12726 | 12472 | 12483 | 1.90 | cps |
| Molybdenum | 97-1 | 2687 | 2764 | 2577 | 2676 | 3.51 | cps |
| Molybdenum | 98-1 | 6418 | 6905 | 6545 | 6623 | 3.81 | cps |
| Neodymium | 150-1 | 73045 | 73856 | 74652 | 73851 | 1.09 | cps |
| Neodymium | 150-2 | 43260 | 43025 | 43386 | 43224 | 0.42 | cps |
| Nickel | 60-2 | 81611 | 80803 | 81463 | 81292 | 0.53 | cps |
| Phosphorus | 31-2 | 19406 | 18845 | 18448 | 18900 | 2.55 | cps |
| Potassium | 39-2 | 3572737 | 3522919 | 3512716 | 3536124 | 0.91 | cps |
| Rhodium | 103-1 | 4220099 | 4184272 | 4218801 | 4207724 | 0.48 | cps |
| Rhodium | 103-2 | 2799761 | 2858361 | 2839430 | 2832517 | 1.06 | cps |
| Scandium | 45-1 | 2606702 | 2624724 | 2532120 | 2587849 | 1.90 | cps |
| Scandium | 45-2 | 296579 | 298798 | 301028 | 298802 | 0.74 | cps |
| Selenium | 82-1 | 333 | 408 | 326 | 356 | 12.77 | cps |
| Selenium | 77-2 | 140 | 160 | 147 | 149 | 6.84 | cps |
| Selenium | 78-2 | 377 | 387 | 443 | 402 | 8.94 | cps |
| Silicon | 28-1 | 8065020 | 8259281 | 8280452 | 8201584 | 1.45 | cps |
| Silver | 107-1 | 3907 | 4004 | 4147 | 4019 | 3.00 | cps |
| Silver | 109-1 | 3737 | 3684 | 3901 | 3774 | 2.99 | cps |
| Sodium | 23-2 | 144992 | 145436 | 146007 | 145479 | 0.35 | cps |
| Strontium | 86-1 | 185515 | 187762 | 187028 | 186769 | 0.61 | cps |
| Strontium | 88-1 | 1695692 | 1757339 | 1695038 | 1716023 | 2.09 | cps |
| Sulfur | 34-1 | 100441 | 98525 | 97371 | 98779 | 1.57 | cps |
| Terbium | 159-1 | 5794920 | 5867324 | 5759244 | 5807163 | 0.95 | cps |
| Terbium | 159-2 | 3755513 | 3808764 | 3803206 | 3789161 | 0.77 | cps |
| Thallium | 203-1 | 1527 | 1757 | 1867 | 1717 | 10.11 | cps |
| Thallium | 205-1 | 4217 | 4124 | 4031 | 4124 | 2.26 | cps |
| Tin | 118-1 | 11538 | 11895 | 11545 | 11659 | 1.75 | cps |
| Titanium | 47-1 | 715382 | 729414 | 732011 | 725602 | 1.23 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-19 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A6 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:37:52 | DataFile Name : | 117SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 13894 | 14331 | 14228 | 14151 | 1.61 | cps |
| Vanadium | 51-2 | 380112 | 383400 | 377772 | 380428 | 0.74 | cps |
| Yttrium | 89-1 | 8217968 | 8189929 | 7968939 | 8125612 | 1.68 | cps |
| Yttrium | 89-2 | 2354139 | 2403176 | 2426683 | 2394666 | 1.55 | cps |
| Zinc | 66-2 | 118129 | 117226 | 117437 | 117597 | 0.40 | cps |
| Zirconium | 90-1 | 102868 | 104794 | 105724 | 104462 | 1.39 | cps |
| Zirconium | 91-1 | 23262 | 23192 | 23245 | 23233 | 0.16 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A7 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:41:03 | DataFile Name : | 118SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 7320628 | 7239220 | 7199047 | 7252965 | 0.85 | cps |
| Antimony | 121-1 | 12305 | 12556 | 12686 | 12516 | 1.54 | cps |
| Arsenic | 75-2 | 50663 | 50432 | 50733 | 50609 | 0.31 | cps |
| Barium | 135-1 | 820656 | 844735 | 845017 | 836803 | 1.67 | cps |
| Barium | 137-1 | 1425164 | 1459437 | 1457146 | 1447249 | 1.32 | cps |
| Beryllium | 9-1 | 900 | 1067 | 1000 | 989 | 8.48 | cps |
| Bismuth | 209-1 | 3491941 | 3475854 | 3477207 | 3481667 | 0.26 | cps |
| Bismuth | 209-2 | 2669867 | 2562790 | 2628083 | 2620247 | 2.06 | cps |
| Bromine | 81-1 | 6818 | 7118 | 7215 | 7051 | 2.93 | cps |
| Bromine | 81-2 | 610 | 513 | 587 | 570 | 8.85 | cps |
| Cadmium | 108-1 | 190 | 183 | 233 | 202 | 13.43 | cps |
| Cadmium | 106-1 | 1317 | 1363 | 1357 | 1346 | 1.88 | cps |
| Cadmium | 111-1 | 2002 | 2026 | 1986 | 2005 | 1.00 | cps |
| Calcium | 43-1 | 383099 | 392263 | 393454 | 389606 | 1.45 | cps |
| Calcium | 44-1 | 6092027 | 6230848 | 6222095 | 6181657 | 1.26 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 295796 | 293373 | 293813 | 294327 | 0.44 | cps |
| Cobalt | 59-2 | 226800 | 222465 | 223433 | 224233 | 1.01 | cps |
| Copper | 63-2 | 611821 | 606170 | 605750 | 607914 | 0.56 | cps |
| Dysprosium | 156-1 | 45276 | 45634 | 45861 | 45590 | 0.65 | cps |
| Dysprosium | 156-2 | 39830 | 40034 | 39442 | 39768 | 0.76 | cps |
| Erbium | 164-1 | 35642 | 37199 | 36996 | 36612 | 2.31 | cps |
| Erbium | 164-2 | 25043 | 24341 | 24325 | 24569 | 1.67 | cps |
| Gadolinium | 160-1 | 42464 | 44002 | 43374 | 43280 | 1.79 | cps |
| Gadolinium | 160-2 | 31365 | 31071 | 31185 | 31207 | 0.48 | cps |
| Holmium | 165-1 | 5689562 | 5719358 | 5623718 | 5677546 | 0.86 | cps |
| Holmium | 165-2 | 3812009 | 3780422 | 3791612 | 3794681 | 0.42 | cps |
| Indium | 115-1 | 4534262 | 4516313 | 4463360 | 4504645 | 0.82 | cps |
| Indium | 115-2 | 1675465 | 1680883 | 1647893 | 1668080 | 1.06 | cps |
| Iron | 56-2 | 259182136 | 256284450 | 255800856 | 257089147 | 0.71 | cps |
| Iron | 57-2 | 6448023 | 6337389 | 6275378 | 6353597 | 1.38 | cps |
| Iron | 54-2 | 14255706 | 14164063 | 14147557 | 14189109 | 0.41 | cps |
| Krypton | 83-1 | 180 | 207 | 243 | 210 | 15.14 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A7 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:41:03 | DataFile Name : | 118SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 165337 | 166834 | 168487 | 166886 | 0.94 | cps |
| Lead | 207-1 | 139441 | 142105 | 142245 | 141264 | 1.12 | cps |
| Lead | 208-1 | 642545 | 651657 | 656939 | 650380 | 1.12 | cps |
| Lithium | 6-1 | 514499 | 505616 | 503784 | 507966 | 1.13 | cps |
| Magnesium | 24-2 | 5632560 | 5668957 | 5620250 | 5640589 | 0.45 | cps |
| Manganese | 55-2 | 6114127 | 6125286 | 6086500 | 6108638 | 0.33 | cps |
| Molybdenum | 94-1 | 54578 | 57177 | 56419 | 56058 | 2.38 | cps |
| Molybdenum | 95-1 | 6722 | 6775 | 6645 | 6714 | 0.97 | cps |
| Molybdenum | 96-1 | 18131 | 18348 | 18091 | 18190 | 0.76 | cps |
| Molybdenum | 97-1 | 3967 | 4144 | 3941 | 4017 | 2.75 | cps |
| Molybdenum | 98-1 | 10080 | 10988 | 9933 | 10334 | 5.53 | cps |
| Neodymium | 150-1 | 84441 | 86540 | 87523 | 86168 | 1.83 | cps |
| Neodymium | 150-2 | 51671 | 51791 | 50166 | 51209 | 1.77 | cps |
| Nickel | 60-2 | 104203 | 103263 | 104068 | 103844 | 0.49 | cps |
| Phosphorus | 31-2 | 22039 | 21792 | 21979 | 21937 | 0.59 | cps |
| Potassium | 39-2 | 4075284 | 4016613 | 4001064 | 4030987 | 0.97 | cps |
| Rhodium | 103-1 | 4267540 | 4202922 | 4175219 | 4215227 | 1.12 | cps |
| Rhodium | 103-2 | 2804902 | 2821218 | 2770759 | 2798960 | 0.92 | cps |
| Scandium | 45-1 | 2620408 | 2656858 | 2633455 | 2636907 | 0.70 | cps |
| Scandium | 45-2 | 298784 | 297214 | 296029 | 297342 | 0.46 | cps |
| Selenium | 82-1 | 410 | 355 | 341 | 369 | 9.95 | cps |
| Selenium | 77-2 | 160 | 140 | 177 | 159 | 11.56 | cps |
| Selenium | 78-2 | 467 | 507 | 517 | 497 | 5.33 | cps |
| Silicon | 28-1 | 8764977 | 8855581 | 8716515 | 8779024 | 0.80 | cps |
| Silver | 107-1 | 2240 | 2347 | 2537 | 2375 | 6.33 | cps |
| Silver | 109-1 | 2140 | 2224 | 2300 | 2221 | 3.60 | cps |
| Sodium | 23-2 | 134730 | 134895 | 134323 | 134649 | 0.22 | cps |
| Strontium | 86-1 | 196127 | 198830 | 197302 | 197420 | 0.69 | cps |
| Strontium | 88-1 | 1780466 | 1848676 | 1820979 | 1816707 | 1.89 | cps |
| Sulfur | 34-1 | 97133 | 99541 | 97267 | 97980 | 1.38 | cps |
| Terbium | 159-1 | 5924125 | 5940292 | 5827010 | 5897142 | 1.04 | cps |
| Terbium | 159-2 | 3769088 | 3806267 | 3899589 | 3824981 | 1.76 | cps |
| Thallium | 203-1 | 1897 | 1760 | 1857 | 1838 | 3.82 | cps |
| Thallium | 205-1 | 4541 | 4597 | 4374 | 4504 | 2.58 | cps |
| Tin | 118-1 | 10968 | 11011 | 11084 | 11021 | 0.54 | cps |
| Titanium | 47-1 | 715494 | 726900 | 728026 | 723473 | 0.96 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A7 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:41:03 | DataFile Name : | 118SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 17154 | 17799 | 17532 | 17495 | 1.85 | cps |
| Vanadium | 51-2 | 495962 | 489119 | 488226 | 491102 | 0.86 | cps |
| Yttrium | 89-1 | 8198488 | 8193173 | 8211725 | 8201128 | 0.12 | cps |
| Yttrium | 89-2 | 2452310 | 2406518 | 2421678 | 2426835 | 0.96 | cps |
| Zinc | 66-2 | 114844 | 115308 | 114209 | 114787 | 0.48 | cps |
| Zirconium | 90-1 | 137350 | 143753 | 143073 | 141392 | 2.49 | cps |
| Zirconium | 91-1 | 30722 | 32042 | 31721 | 31495 | 2.18 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-21 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A8 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:44:12 | DataFile Name : | 119SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6098358 | 6071299 | 6013218 | 6060959 | 0.72 | cps |
| Antimony | 121-1 | 13086 | 12796 | 12863 | 12915 | 1.18 | cps |
| Arsenic | 75-2 | 45349 | 46609 | 45496 | 45818 | 1.50 | cps |
| Barium | 135-1 | 949295 | 955075 | 954747 | 953039 | 0.34 | cps |
| Barium | 137-1 | 1782953 | 1816026 | 1823737 | 1807572 | 1.20 | cps |
| Beryllium | 9-1 | 963 | 947 | 973 | 961 | 1.40 | cps |
| Bismuth | 209-1 | 3518664 | 3519705 | 3469256 | 3502542 | 0.82 | cps |
| Bismuth | 209-2 | 2558693 | 2575152 | 2633759 | 2589201 | 1.52 | cps |
| Bromine | 81-1 | 7058 | 7082 | 6885 | 7008 | 1.53 | cps |
| Bromine | 81-2 | 540 | 597 | 533 | 557 | 6.25 | cps |
| Cadmium | 108-1 | 230 | 243 | 193 | 222 | 11.65 | cps |
| Cadmium | 106-1 | 1307 | 1377 | 1310 | 1331 | 2.97 | cps |
| Cadmium | 111-1 | 2401 | 2430 | 2499 | 2443 | 2.06 | cps |
| Calcium | 43-1 | 485491 | 498867 | 501232 | 495197 | 1.71 | cps |
| Calcium | 44-1 | 7874029 | 7823901 | 7885119 | 7861016 | 0.41 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 258854 | 258209 | 255925 | 257663 | 0.60 | cps |
| Cobalt | 59-2 | 190949 | 192245 | 190010 | 191068 | 0.59 | cps |
| Copper | 63-2 | 638831 | 631466 | 625577 | 631958 | 1.05 | cps |
| Dysprosium | 156-1 | 36444 | 37500 | 37313 | 37086 | 1.52 | cps |
| Dysprosium | 156-2 | 32541 | 31305 | 32407 | 32084 | 2.11 | cps |
| Erbium | 164-1 | 30961 | 31171 | 30750 | 30961 | 0.68 | cps |
| Erbium | 164-2 | 21553 | 20862 | 20909 | 21108 | 1.83 | cps |
| Gadolinium | 160-1 | 35057 | 35983 | 35632 | 35557 | 1.31 | cps |
| Gadolinium | 160-2 | 25490 | 25617 | 25022 | 25376 | 1.23 | cps |
| Holmium | 165-1 | 5610012 | 5676618 | 5578749 | 5621793 | 0.89 | cps |
| Holmium | 165-2 | 3717361 | 3763379 | 3852766 | 3777835 | 1.82 | cps |
| Indium | 115-1 | 4537170 | 4527259 | 4422219 | 4495549 | 1.42 | cps |
| Indium | 115-2 | 1650591 | 1667400 | 1658007 | 1658666 | 0.51 | cps |
| Iron | 56-2 | 261223363 | 260194076 | 261409563 | 260942334 | 0.25 | cps |
| Iron | 57-2 | 6544061 | 6512350 | 6492860 | 6516424 | 0.40 | cps |
| Iron | 54-2 | 14332015 | 14510403 | 14251325 | 14364581 | 0.92 | cps |
| Krypton | 83-1 | 163 | 190 | 263 | 206 | 25.19 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-21 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A8 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:44:12 | DataFile Name : | 119SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 247065 | 245223 | 246729 | 246339 | 0.40 | cps |
| Lead | 207-1 | 209449 | 211598 | 212452 | 211166 | 0.73 | cps |
| Lead | 208-1 | 960879 | 967253 | 965849 | 964661 | 0.35 | cps |
| Lithium | 6-1 | 504110 | 489819 | 494962 | 496297 | 1.46 | cps |
| Magnesium | 24-2 | 5174710 | 5103139 | 5095943 | 5124597 | 0.85 | cps |
| Manganese | 55-2 | 9247213 | 9349284 | 9243545 | 9280014 | 0.65 | cps |
| Molybdenum | 94-1 | 45093 | 46106 | 45999 | 45732 | 1.22 | cps |
| Molybdenum | 95-1 | 4307 | 4731 | 4444 | 4494 | 4.81 | cps |
| Molybdenum | 96-1 | 14144 | 14300 | 13880 | 14108 | 1.51 | cps |
| Molybdenum | 97-1 | 2717 | 2677 | 2590 | 2661 | 2.43 | cps |
| Molybdenum | 98-1 | 6665 | 6762 | 6872 | 6766 | 1.53 | cps |
| Neodymium | 150-1 | 68134 | 69594 | 68753 | 68827 | 1.06 | cps |
| Neodymium | 150-2 | 40261 | 40856 | 40368 | 40495 | 0.78 | cps |
| Nickel | 60-2 | 87624 | 87929 | 87815 | 87789 | 0.18 | cps |
| Phosphorus | 31-2 | 17493 | 17694 | 17540 | 17576 | 0.60 | cps |
| Potassium | 39-2 | 3038634 | 3021371 | 3025069 | 3028358 | 0.30 | cps |
| Rhodium | 103-1 | 4176535 | 4221274 | 4132427 | 4176745 | 1.06 | cps |
| Rhodium | 103-2 | 2776707 | 2779198 | 2758074 | 2771326 | 0.42 | cps |
| Scandium | 45-1 | 2604095 | 2560484 | 2598350 | 2587643 | 0.92 | cps |
| Scandium | 45-2 | 292106 | 294124 | 292656 | 292962 | 0.36 | cps |
| Selenium | 82-1 | 361 | 377 | 321 | 353 | 8.21 | cps |
| Selenium | 77-2 | 147 | 130 | 170 | 149 | 13.49 | cps |
| Selenium | 78-2 | 450 | 530 | 447 | 476 | 9.92 | cps |
| Silicon | 28-1 | 8831863 | 8817771 | 8959997 | 8869877 | 0.88 | cps |
| Silver | 107-1 | 2664 | 2757 | 2650 | 2690 | 2.16 | cps |
| Silver | 109-1 | 2510 | 2380 | 2604 | 2498 | 4.49 | cps |
| Sodium | 23-2 | 113666 | 114032 | 114284 | 113994 | 0.27 | cps |
| Strontium | 86-1 | 166226 | 166228 | 167502 | 166652 | 0.44 | cps |
| Strontium | 88-1 | 1493703 | 1540671 | 1544202 | 1526192 | 1.85 | cps |
| Sulfur | 34-1 | 103098 | 103507 | 105450 | 104019 | 1.21 | cps |
| Terbium | 159-1 | 5695796 | 5759507 | 5802919 | 5752741 | 0.94 | cps |
| Terbium | 159-2 | 3697942 | 3756508 | 3741130 | 3731860 | 0.81 | cps |
| Thallium | 203-1 | 2257 | 2354 | 2357 | 2322 | 2.45 | cps |
| Thallium | 205-1 | 5511 | 5501 | 5348 | 5453 | 1.68 | cps |
| Tin | 118-1 | 12342 | 12022 | 12449 | 12271 | 1.81 | cps |
| Titanium | 47-1 | 578510 | 584153 | 586907 | 583190 | 0.73 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-21 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A8 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:44:12 | DataFile Name : | 119SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 12122 | 12352 | 12139 | 12205 | 1.05 | cps |
| Vanadium | 51-2 | 497193 | 495712 | 494824 | 495910 | 0.24 | cps |
| Yttrium | 89-1 | 8042168 | 8032142 | 8094367 | 8056225 | 0.41 | cps |
| Yttrium | 89-2 | 2360318 | 2403143 | 2326067 | 2363176 | 1.63 | cps |
| Zinc | 66-2 | 117511 | 117757 | 117209 | 117492 | 0.23 | cps |
| Zirconium | 90-1 | 116128 | 117728 | 119075 | 117644 | 1.25 | cps |
| Zirconium | 91-1 | 25489 | 26591 | 26447 | 26176 | 2.29 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-22 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A9 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:47:23 | DataFile Name : | 120SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 7599076 | 7594364 | 7663162 | 7618867 | 0.50 | cps |
| Antimony | 121-1 | 13256 | 13657 | 13700 | 13538 | 1.81 | cps |
| Arsenic | 75-2 | 71635 | 70315 | 71333 | 71095 | 0.97 | cps |
| Barium | 135-1 | 827398 | 840304 | 842026 | 836576 | 0.96 | cps |
| Barium | 137-1 | 1420387 | 1436327 | 1450806 | 1435840 | 1.06 | cps |
| Beryllium | 9-1 | 967 | 1040 | 947 | 984 | 4.99 | cps |
| Bismuth | 209-1 | 3523222 | 3513170 | 3427237 | 3487876 | 1.51 | cps |
| Bismuth | 209-2 | 2597317 | 2598024 | 2561799 | 2585714 | 0.80 | cps |
| Bromine | 81-1 | 7072 | 7599 | 7592 | 7421 | 4.07 | cps |
| Bromine | 81-2 | 653 | 587 | 690 | 643 | 8.14 | cps |
| Cadmium | 108-1 | 237 | 297 | 293 | 276 | 12.24 | cps |
| Cadmium | 106-1 | 1547 | 1567 | 1490 | 1535 | 2.59 | cps |
| Cadmium | 111-1 | 3601 | 3599 | 3705 | 3635 | 1.66 | cps |
| Calcium | 43-1 | 336105 | 338661 | 339667 | 338144 | 0.54 | cps |
| Calcium | 44-1 | 5331797 | 5332513 | 5333066 | 5332458 | 0.01 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 321442 | 324785 | 323598 | 323275 | 0.52 | cps |
| Cobalt | 59-2 | 227247 | 226536 | 225462 | 226415 | 0.40 | cps |
| Copper | 63-2 | 1043505 | 1033141 | 1035574 | 1037407 | 0.52 | cps |
| Dysprosium | 156-1 | 46470 | 47263 | 47390 | 47041 | 1.06 | cps |
| Dysprosium | 156-2 | 41017 | 41611 | 41217 | 41282 | 0.73 | cps |
| Erbium | 164-1 | 36497 | 38974 | 38276 | 37916 | 3.37 | cps |
| Erbium | 164-2 | 25233 | 25377 | 25493 | 25368 | 0.51 | cps |
| Gadolinium | 160-1 | 44042 | 44129 | 44815 | 44329 | 0.95 | cps |
| Gadolinium | 160-2 | 32598 | 32147 | 32575 | 32440 | 0.78 | cps |
| Holmium | 165-1 | 5664856 | 5613901 | 5504670 | 5594476 | 1.46 | cps |
| Holmium | 165-2 | 3826230 | 3787456 | 3718905 | 3777530 | 1.44 | cps |
| Indium | 115-1 | 4457898 | 4447636 | 4412302 | 4439279 | 0.54 | cps |
| Indium | 115-2 | 1663225 | 1642038 | 1652008 | 1652424 | 0.64 | cps |
| Iron | 56-2 | 246408083 | 241397790 | 243617496 | 243807790 | 1.03 | cps |
| Iron | 57-2 | 6049723 | 6040154 | 5952367 | 6014082 | 0.89 | cps |
| Iron | 54-2 | 13643003 | 13359296 | 13246659 | 13416319 | 1.52 | cps |
| Krypton | 83-1 | 203 | 213 | 217 | 211 | 3.29 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-22 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A9 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:47:23 | DataFile Name : | 120SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 337502 | 340819 | 341537 | 339953 | 0.63 | cps |
| Lead | 207-1 | 287996 | 292146 | 293845 | 291329 | 1.03 | cps |
| Lead | 208-1 | 1318535 | 1332710 | 1342534 | 1331260 | 0.91 | cps |
| Lithium | 6-1 | 507203 | 500942 | 492178 | 500107 | 1.51 | cps |
| Magnesium | 24-2 | 5863307 | 5854887 | 5900185 | 5872793 | 0.41 | cps |
| Manganese | 55-2 | 5552374 | 5469077 | 5553535 | 5524995 | 0.88 | cps |
| Molybdenum | 94-1 | 60749 | 61988 | 61800 | 61512 | 1.09 | cps |
| Molybdenum | 95-1 | 4771 | 4611 | 4754 | 4712 | 1.87 | cps |
| Molybdenum | 96-1 | 17227 | 17010 | 17200 | 17146 | 0.69 | cps |
| Molybdenum | 97-1 | 2880 | 2880 | 2970 | 2910 | 1.79 | cps |
| Molybdenum | 98-1 | 7182 | 7188 | 7525 | 7299 | 2.69 | cps |
| Neodymium | 150-1 | 90002 | 91753 | 92068 | 91274 | 1.22 | cps |
| Neodymium | 150-2 | 53595 | 53862 | 53641 | 53699 | 0.27 | cps |
| Nickel | 60-2 | 117647 | 116976 | 115528 | 116717 | 0.93 | cps |
| Phosphorus | 31-2 | 22934 | 22360 | 22587 | 22627 | 1.28 | cps |
| Potassium | 39-2 | 4753630 | 4704690 | 4724530 | 4727617 | 0.52 | cps |
| Rhodium | 103-1 | 4195659 | 4127058 | 4132812 | 4151843 | 0.92 | cps |
| Rhodium | 103-2 | 2763109 | 2748950 | 2719159 | 2743740 | 0.82 | cps |
| Scandium | 45-1 | 2628284 | 2557821 | 2568934 | 2585013 | 1.47 | cps |
| Scandium | 45-2 | 295698 | 294367 | 292407 | 294157 | 0.56 | cps |
| Selenium | 82-1 | 451 | 383 | 388 | 407 | 9.29 | cps |
| Selenium | 77-2 | 180 | 173 | 147 | 167 | 10.58 | cps |
| Selenium | 78-2 | 500 | 493 | 497 | 497 | 0.67 | cps |
| Silicon | 28-1 | 10458261 | 10421531 | 10581235 | 10487009 | 0.80 | cps |
| Silver | 107-1 | 5338 | 5554 | 5664 | 5519 | 3.01 | cps |
| Silver | 109-1 | 5058 | 5128 | 5224 | 5137 | 1.63 | cps |
| Sodium | 23-2 | 152888 | 152494 | 151703 | 152361 | 0.40 | cps |
| Strontium | 86-1 | 233792 | 240564 | 242034 | 238797 | 1.84 | cps |
| Strontium | 88-1 | 2159526 | 2178133 | 2183484 | 2173714 | 0.58 | cps |
| Sulfur | 34-1 | 97904 | 96096 | 94902 | 96301 | 1.57 | cps |
| Terbium | 159-1 | 5754906 | 5737838 | 5730816 | 5741187 | 0.22 | cps |
| Terbium | 159-2 | 3743833 | 3804239 | 3787546 | 3778539 | 0.83 | cps |
| Thallium | 203-1 | 1903 | 2034 | 2024 | 1987 | 3.64 | cps |
| Thallium | 205-1 | 4851 | 4918 | 5124 | 4964 | 2.87 | cps |
| Tin | 118-1 | 13470 | 13800 | 13887 | 13719 | 1.60 | cps |
| Titanium | 47-1 | 791604 | 806882 | 813365 | 803950 | 1.39 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-22 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE4A9 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 18:47:23 | DataFile Name : | 120SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 17538 | 17108 | 17889 | 17512 | 2.23 | cps |
| Vanadium | 51-2 | 490517 | 486558 | 489496 | 488857 | 0.42 | cps |
| Yttrium | 89-1 | 8165264 | 8052585 | 8104800 | 8107550 | 0.70 | cps |
| Yttrium | 89-2 | 2432894 | 2386825 | 2367507 | 2395742 | 1.40 | cps |
| Zinc | 66-2 | 146201 | 145441 | 146339 | 145994 | 0.33 | cps |
| Zirconium | 90-1 | 155717 | 158637 | 160598 | 158317 | 1.55 | cps |
| Zirconium | 91-1 | 34945 | 35242 | 35115 | 35101 | 0.43 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 18:50:31 | DataFile Name : | 121SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1318746 | 1294730 | 1306876 | 1306784 | 0.92 | cps |
| Antimony | 121-1 | 3857 | 4244 | 4107 | 4070 | 4.82 | cps |
| Arsenic | 75-2 | 20127 | 19877 | 19860 | 19955 | 0.75 | cps |
| Barium | 135-1 | 176894 | 179610 | 178369 | 178291 | 0.76 | cps |
| Barium | 137-1 | 306127 | 311681 | 310362 | 309390 | 0.94 | cps |
| Beryllium | 9-1 | 213 | 223 | 240 | 226 | 5.97 | cps |
| Bismuth | 209-1 | 3511546 | 3496166 | 3527509 | 3511741 | 0.45 | cps |
| Bismuth | 209-2 | 2608355 | 2661683 | 2633883 | 2634640 | 1.01 | cps |
| Bromine | 81-1 | 5238 | 5484 | 5284 | 5335 | 2.46 | cps |
| Bromine | 81-2 | 150 | 193 | 170 | 171 | 12.68 | cps |
| Cadmium | 108-1 | 120 | 63 | 80 | 88 | 33.18 | cps |
| Cadmium | 106-1 | 1147 | 1053 | 1120 | 1107 | 4.34 | cps |
| Cadmium | 111-1 | 1462 | 1403 | 1368 | 1411 | 3.37 | cps |
| Calcium | 43-1 | 43148 | 42871 | 43111 | 43043 | 0.35 | cps |
| Calcium | 44-1 | 708810 | 714893 | 721227 | 714977 | 0.87 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 59025 | 57854 | 58580 | 58486 | 1.01 | cps |
| Cobalt | 59-2 | 47063 | 46632 | 46950 | 46882 | 0.48 | cps |
| Copper | 63-2 | 234085 | 229680 | 232150 | 231972 | 0.95 | cps |
| Dysprosium | 156-1 | 9530 | 9290 | 9413 | 9411 | 1.28 | cps |
| Dysprosium | 156-2 | 8286 | 8006 | 8493 | 8261 | 2.96 | cps |
| Erbium | 164-1 | 7422 | 7072 | 7472 | 7322 | 2.98 | cps |
| Erbium | 164-2 | 4808 | 4871 | 5044 | 4908 | 2.50 | cps |
| Gadolinium | 160-1 | 9060 | 8793 | 8950 | 8934 | 1.50 | cps |
| Gadolinium | 160-2 | 6735 | 6472 | 6311 | 6506 | 3.29 | cps |
| Holmium | 165-1 | 5560696 | 5524915 | 5504556 | 5530055 | 0.51 | cps |
| Holmium | 165-2 | 3728742 | 3860639 | 3734823 | 3774734 | 1.97 | cps |
| Indium | 115-1 | 4577084 | 4468136 | 4458741 | 4501321 | 1.46 | cps |
| Indium | 115-2 | 1651482 | 1644991 | 1664122 | 1653532 | 0.59 | cps |
| Iron | 56-2 | 50246544 | 50041484 | 50267813 | 50185280 | 0.25 | cps |
| Iron | 57-2 | 1263523 | 1246350 | 1253213 | 1254362 | 0.69 | cps |
| Iron | 54-2 | 2809096 | 2754968 | 2801094 | 2788386 | 1.05 | cps |
| Krypton | 83-1 | 170 | 170 | 153 | 164 | 5.85 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 18:50:31 | DataFile Name : | 121SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 85309 | 83964 | 85440 | 84904 | 0.96 | cps |
| Lead | 207-1 | 72449 | 73095 | 73387 | 72977 | 0.66 | cps |
| Lead | 208-1 | 331824 | 331978 | 333710 | 332504 | 0.31 | cps |
| Lithium | 6-1 | 497768 | 509085 | 504156 | 503670 | 1.13 | cps |
| Magnesium | 24-2 | 1038832 | 1031223 | 1037608 | 1035888 | 0.39 | cps |
| Manganese | 55-2 | 1505276 | 1513203 | 1514941 | 1511140 | 0.34 | cps |
| Molybdenum | 94-1 | 10781 | 11128 | 11278 | 11062 | 2.30 | cps |
| Molybdenum | 95-1 | 1343 | 1563 | 1497 | 1468 | 7.69 | cps |
| Molybdenum | 96-1 | 3681 | 3837 | 3637 | 3718 | 2.83 | cps |
| Molybdenum | 97-1 | 907 | 973 | 940 | 940 | 3.55 | cps |
| Molybdenum | 98-1 | 2217 | 2140 | 2310 | 2222 | 3.83 | cps |
| Neodymium | 150-1 | 17755 | 18068 | 17768 | 17864 | 0.99 | cps |
| Neodymium | 150-2 | 10471 | 10404 | 10951 | 10608 | 2.81 | cps |
| Nickel | 60-2 | 20070 | 20581 | 20608 | 20420 | 1.48 | cps |
| Phosphorus | 31-2 | 6415 | 6205 | 5895 | 6171 | 4.24 | cps |
| Potassium | 39-2 | 1087248 | 1072255 | 1074217 | 1077906 | 0.76 | cps |
| Rhodium | 103-1 | 4187553 | 4198659 | 4147884 | 4178032 | 0.64 | cps |
| Rhodium | 103-2 | 2796375 | 2795673 | 2752705 | 2781584 | 0.90 | cps |
| Scandium | 45-1 | 2416910 | 2348256 | 2350764 | 2371977 | 1.64 | cps |
| Scandium | 45-2 | 269272 | 268144 | 271501 | 269639 | 0.63 | cps |
| Selenium | 82-1 | 287 | 262 | 303 | 284 | 7.32 | cps |
| Selenium | 77-2 | 37 | 33 | 47 | 39 | 17.85 | cps |
| Selenium | 78-2 | 360 | 360 | 390 | 370 | 4.68 | cps |
| Silicon | 28-1 | 2951078 | 3043096 | 2997687 | 2997287 | 1.54 | cps |
| Silver | 107-1 | 1513 | 1397 | 1277 | 1396 | 8.48 | cps |
| Silver | 109-1 | 1390 | 1280 | 1303 | 1325 | 4.38 | cps |
| Sodium | 23-2 | 58102 | 59385 | 56948 | 58145 | 2.10 | cps |
| Strontium | 86-1 | 46440 | 46049 | 46380 | 46289 | 0.46 | cps |
| Strontium | 88-1 | 396829 | 401795 | 403954 | 400859 | 0.91 | cps |
| Sulfur | 34-1 | 89544 | 88135 | 88226 | 88635 | 0.89 | cps |
| Terbium | 159-1 | 5674334 | 5715437 | 5690595 | 5693455 | 0.36 | cps |
| Terbium | 159-2 | 3756207 | 3733938 | 3798362 | 3762836 | 0.87 | cps |
| Thallium | 203-1 | 480 | 480 | 507 | 489 | 3.15 | cps |
| Thallium | 205-1 | 1137 | 1150 | 1147 | 1145 | 0.61 | cps |
| Tin | 118-1 | 5751 | 5788 | 5841 | 5793 | 0.78 | cps |
| Titanium | 47-1 | 160009 | 163534 | 161094 | 161545 | 1.12 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 18:50:31 | DataFile Name : | 121SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 5294 | 5328 | 4964 | 5196 | 3.87 | cps |
| Vanadium | 51-2 | 94644 | 92930 | 94007 | 93861 | 0.92 | cps |
| Yttrium | 89-1 | 7588076 | 7503550 | 7431381 | 7507669 | 1.04 | cps |
| Yttrium | 89-2 | 2262913 | 2211643 | 2206459 | 2227005 | 1.40 | cps |
| Zinc | 66-2 | 39245 | 38680 | 37814 | 38580 | 1.87 | cps |
| Zirconium | 90-1 | 27145 | 27556 | 27910 | 27537 | 1.39 | cps |
| Zirconium | 91-1 | 6121 | 6111 | 5941 | 6058 | 1.67 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-05DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 18:53:46 | DataFile Name : | 122SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1309114 | 1293268 | 1298293 | 1300225 | 0.62 | cps |
| Antimony | 121-1 | 3961 | 4024 | 3807 | 3931 | 2.84 | cps |
| Arsenic | 75-2 | 17507 | 17334 | 17364 | 17401 | 0.53 | cps |
| Barium | 135-1 | 167250 | 168723 | 169101 | 168358 | 0.58 | cps |
| Barium | 137-1 | 285913 | 290743 | 292407 | 289688 | 1.16 | cps |
| Beryllium | 9-1 | 220 | 217 | 187 | 208 | 8.84 | cps |
| Bismuth | 209-1 | 3512275 | 3440869 | 3502555 | 3485233 | 1.11 | cps |
| Bismuth | 209-2 | 2658691 | 2643103 | 2649518 | 2650437 | 0.30 | cps |
| Bromine | 81-1 | 5231 | 5288 | 5328 | 5282 | 0.92 | cps |
| Bromine | 81-2 | 157 | 210 | 157 | 174 | 17.65 | cps |
| Cadmium | 108-1 | 87 | 73 | 80 | 80 | 8.34 | cps |
| Cadmium | 106-1 | 1070 | 1087 | 1107 | 1088 | 1.69 | cps |
| Cadmium | 111-1 | 1382 | 1429 | 1335 | 1382 | 3.40 | cps |
| Calcium | 43-1 | 41149 | 41998 | 42560 | 41902 | 1.69 | cps |
| Calcium | 44-1 | 686798 | 701266 | 705250 | 697771 | 1.39 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 58359 | 57927 | 57744 | 58010 | 0.54 | cps |
| Cobalt | 59-2 | 46000 | 45519 | 44242 | 45254 | 2.01 | cps |
| Copper | 63-2 | 226885 | 226182 | 226831 | 226633 | 0.17 | cps |
| Dysprosium | 156-1 | 8916 | 9246 | 9256 | 9140 | 2.12 | cps |
| Dysprosium | 156-2 | 8096 | 7729 | 8006 | 7943 | 2.41 | cps |
| Erbium | 164-1 | 7199 | 7179 | 7539 | 7305 | 2.77 | cps |
| Erbium | 164-2 | 4667 | 5081 | 4898 | 4882 | 4.24 | cps |
| Gadolinium | 160-1 | 8646 | 9016 | 8833 | 8832 | 2.10 | cps |
| Gadolinium | 160-2 | 6281 | 6371 | 6495 | 6383 | 1.68 | cps |
| Holmium | 165-1 | 5591712 | 5523313 | 5498761 | 5537929 | 0.87 | cps |
| Holmium | 165-2 | 3811570 | 3754725 | 3744793 | 3770363 | 0.96 | cps |
| Indium | 115-1 | 4409310 | 4388610 | 4433118 | 4410346 | 0.50 | cps |
| Indium | 115-2 | 1644860 | 1653797 | 1635776 | 1644811 | 0.55 | cps |
| Iron | 56-2 | 48857006 | 48586988 | 49023669 | 48822554 | 0.45 | cps |
| Iron | 57-2 | 1234536 | 1233939 | 1229868 | 1232781 | 0.21 | cps |
| Iron | 54-2 | 2763183 | 2694603 | 2698619 | 2718801 | 1.42 | cps |
| Krypton | 83-1 | 187 | 177 | 163 | 176 | 6.67 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-05DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 18:53:46 | DataFile Name : | 122SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 81824 | 81006 | 83390 | 82073 | 1.48 | cps |
| Lead | 207-1 | 70324 | 71584 | 71306 | 71072 | 0.93 | cps |
| Lead | 208-1 | 319489 | 322237 | 326565 | 322763 | 1.11 | cps |
| Lithium | 6-1 | 511062 | 521178 | 514601 | 515613 | 1.00 | cps |
| Magnesium | 24-2 | 1019514 | 1019571 | 1016644 | 1018576 | 0.16 | cps |
| Manganese | 55-2 | 1343677 | 1343197 | 1335952 | 1340942 | 0.32 | cps |
| Molybdenum | 94-1 | 10604 | 11548 | 11021 | 11058 | 4.28 | cps |
| Molybdenum | 95-1 | 1497 | 1303 | 1517 | 1439 | 8.19 | cps |
| Molybdenum | 96-1 | 3374 | 3797 | 3737 | 3636 | 6.30 | cps |
| Molybdenum | 97-1 | 907 | 893 | 913 | 904 | 1.13 | cps |
| Molybdenum | 98-1 | 2097 | 2170 | 2224 | 2164 | 2.94 | cps |
| Neodymium | 150-1 | 17324 | 17568 | 17735 | 17542 | 1.18 | cps |
| Neodymium | 150-2 | 10731 | 10341 | 10441 | 10504 | 1.93 | cps |
| Nickel | 60-2 | 19566 | 19880 | 19867 | 19771 | 0.90 | cps |
| Phosphorus | 31-2 | 6115 | 6378 | 5928 | 6140 | 3.68 | cps |
| Potassium | 39-2 | 1057870 | 1053621 | 1047955 | 1053149 | 0.47 | cps |
| Rhodium | 103-1 | 4192237 | 4170780 | 4090231 | 4151083 | 1.30 | cps |
| Rhodium | 103-2 | 2743126 | 2735248 | 2751407 | 2743260 | 0.29 | cps |
| Scandium | 45-1 | 2402392 | 2398678 | 2392582 | 2397884 | 0.21 | cps |
| Scandium | 45-2 | 265795 | 266008 | 262813 | 264872 | 0.67 | cps |
| Selenium | 82-1 | 275 | 354 | 285 | 305 | 14.16 | cps |
| Selenium | 77-2 | 37 | 37 | 27 | 33 | 17.32 | cps |
| Selenium | 78-2 | 323 | 417 | 353 | 364 | 13.07 | cps |
| Silicon | 28-1 | 2814825 | 2864247 | 2844155 | 2841076 | 0.87 | cps |
| Silver | 107-1 | 1300 | 1283 | 1397 | 1327 | 4.61 | cps |
| Silver | 109-1 | 1167 | 1257 | 1237 | 1220 | 3.87 | cps |
| Sodium | 23-2 | 54385 | 54141 | 54128 | 54218 | 0.27 | cps |
| Strontium | 86-1 | 43939 | 44387 | 45203 | 44509 | 1.44 | cps |
| Strontium | 88-1 | 385068 | 387791 | 390706 | 387855 | 0.73 | cps |
| Sulfur | 34-1 | 88032 | 88128 | 87468 | 87876 | 0.41 | cps |
| Terbium | 159-1 | 5750494 | 5661266 | 5700434 | 5704064 | 0.78 | cps |
| Terbium | 159-2 | 3701472 | 3738163 | 3689962 | 3709866 | 0.68 | cps |
| Thallium | 203-1 | 387 | 543 | 413 | 448 | 18.72 | cps |
| Thallium | 205-1 | 1163 | 1173 | 1147 | 1161 | 1.16 | cps |
| Tin | 118-1 | 5334 | 5271 | 5184 | 5263 | 1.43 | cps |
| Titanium | 47-1 | 158609 | 161274 | 161387 | 160423 | 0.98 | cps |

Reviewed By:Mohan
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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-05DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 18:53:46 | DataFile Name : | 122SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 4884 | 5098 | 4974 | 4985 | 2.15 | cps |
| Vanadium | 51-2 | 92001 | 91670 | 91858 | 91843 | 0.18 | cps |
| Yttrium | 89-1 | 7503256 | 7443836 | 7495725 | 7480939 | 0.43 | cps |
| Yttrium | 89-2 | 2203721 | 2169454 | 2193320 | 2188831 | 0.80 | cps |
| Zinc | 66-2 | 35967 | 36715 | 36150 | 36277 | 1.08 | cps |
| Zirconium | 90-1 | 26130 | 27689 | 27873 | 27231 | 3.52 | cps |
| Zirconium | 91-1 | 6168 | 6185 | 6021 | 6125 | 1.47 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 18:56:59 | DataFile Name : | 123SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 249034 | 247037 | 250038 | 248703 | 0.61 | cps |
| Antimony | 121-1 | 843 | 780 | 963 | 862 | 10.80 | cps |
| Arsenic | 75-2 | 4014 | 3764 | 3674 | 3817 | 4.62 | cps |
| Barium | 135-1 | 33399 | 34091 | 34054 | 33848 | 1.15 | cps |
| Barium | 137-1 | 57740 | 60200 | 59346 | 59095 | 2.11 | cps |
| Beryllium | 9-1 | 57 | 70 | 70 | 66 | 11.74 | cps |
| Bismuth | 209-1 | 3475770 | 3441951 | 3388506 | 3435409 | 1.28 | cps |
| Bismuth | 209-2 | 2634071 | 2611819 | 2611635 | 2619175 | 0.49 | cps |
| Bromine | 81-1 | 5151 | 5054 | 5158 | 5121 | 1.13 | cps |
| Bromine | 81-2 | 73 | 53 | 53 | 60 | 19.25 | cps |
| Cadmium | 108-1 | 13 | 10 | 13 | 12 | 15.73 | cps |
| Cadmium | 106-1 | 977 | 867 | 957 | 933 | 6.28 | cps |
| Cadmium | 111-1 | 771 | 786 | 784 | 780 | 1.05 | cps |
| Calcium | 43-1 | 8229 | 8709 | 8489 | 8476 | 2.84 | cps |
| Calcium | 44-1 | 142879 | 144615 | 145443 | 144312 | 0.91 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 11631 | 11531 | 11798 | 11653 | 1.16 | cps |
| Cobalt | 59-2 | 8909 | 9160 | 9053 | 9041 | 1.39 | cps |
| Copper | 63-2 | 44108 | 44998 | 44720 | 44609 | 1.02 | cps |
| Dysprosium | 156-1 | 1947 | 1907 | 1900 | 1918 | 1.32 | cps |
| Dysprosium | 156-2 | 1493 | 1500 | 1540 | 1511 | 1.67 | cps |
| Erbium | 164-1 | 1407 | 1420 | 1497 | 1441 | 3.37 | cps |
| Erbium | 164-2 | 987 | 890 | 953 | 943 | 5.21 | cps |
| Gadolinium | 160-1 | 1707 | 1950 | 1653 | 1770 | 8.94 | cps |
| Gadolinium | 160-2 | 1340 | 1423 | 1240 | 1335 | 6.88 | cps |
| Holmium | 165-1 | 5555454 | 5502039 | 5498856 | 5518783 | 0.58 | cps |
| Holmium | 165-2 | 3712310 | 3652299 | 3769918 | 3711509 | 1.58 | cps |
| Indium | 115-1 | 4447701 | 4455468 | 4402060 | 4435076 | 0.65 | cps |
| Indium | 115-2 | 1657628 | 1652266 | 1625213 | 1645036 | 1.06 | cps |
| Iron | 56-2 | 9571621 | 9560013 | 9599590 | 9577074 | 0.21 | cps |
| Iron | 57-2 | 243111 | 242857 | 242969 | 242979 | 0.05 | cps |
| Iron | 54-2 | 542694 | 538391 | 541767 | 540951 | 0.42 | cps |
| Krypton | 83-1 | 147 | 123 | 117 | 129 | 12.22 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 18:56:59 | DataFile Name : | 123SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 16470 | 16196 | 16754 | 16473 | 1.69 | cps |
| Lead | 207-1 | 14164 | 14364 | 14054 | 14194 | 1.11 | cps |
| Lead | 208-1 | 64974 | 64587 | 65378 | 64980 | 0.61 | cps |
| Lithium | 6-1 | 514765 | 519499 | 510870 | 515045 | 0.84 | cps |
| Magnesium | 24-2 | 199450 | 196621 | 198096 | 198056 | 0.71 | cps |
| Manganese | 55-2 | 284473 | 282355 | 284850 | 283893 | 0.47 | cps |
| Molybdenum | 94-1 | 2084 | 2177 | 2280 | 2180 | 4.51 | cps |
| Molybdenum | 95-1 | 307 | 250 | 323 | 293 | 13.11 | cps |
| Molybdenum | 96-1 | 830 | 683 | 823 | 779 | 10.63 | cps |
| Molybdenum | 97-1 | 150 | 180 | 143 | 158 | 12.38 | cps |
| Molybdenum | 98-1 | 413 | 490 | 453 | 452 | 8.48 | cps |
| Neodymium | 150-1 | 3260 | 3617 | 3270 | 3383 | 6.01 | cps |
| Neodymium | 150-2 | 2057 | 2034 | 2030 | 2040 | 0.71 | cps |
| Nickel | 60-2 | 3907 | 3961 | 4071 | 3979 | 2.09 | cps |
| Phosphorus | 31-2 | 1417 | 1233 | 1367 | 1339 | 7.08 | cps |
| Potassium | 39-2 | 263349 | 264535 | 263159 | 263681 | 0.28 | cps |
| Rhodium | 103-1 | 4217379 | 4179184 | 4068703 | 4155089 | 1.86 | cps |
| Rhodium | 103-2 | 2792515 | 2753425 | 2739985 | 2761975 | 0.99 | cps |
| Scandium | 45-1 | 2378834 | 2339091 | 2327067 | 2348331 | 1.15 | cps |
| Scandium | 45-2 | 265641 | 264264 | 263414 | 264440 | 0.43 | cps |
| Selenium | 82-1 | 267 | 284 | 313 | 288 | 8.08 | cps |
| Selenium | 77-2 | 13 | 3 | 3 | 7 | 86.65 | cps |
| Selenium | 78-2 | 320 | 370 | 340 | 343 | 7.33 | cps |
| Silicon | 28-1 | 713574 | 718282 | 722595 | 718150 | 0.63 | cps |
| Silver | 107-1 | 290 | 310 | 313 | 304 | 4.14 | cps |
| Silver | 109-1 | 280 | 260 | 253 | 264 | 5.25 | cps |
| Sodium | 23-2 | 35143 | 36055 | 36276 | 35825 | 1.68 | cps |
| Strontium | 86-1 | 8589 | 8996 | 9163 | 8916 | 3.31 | cps |
| Strontium | 88-1 | 75251 | 77298 | 77091 | 76547 | 1.47 | cps |
| Sulfur | 34-1 | 85581 | 86094 | 87629 | 86435 | 1.23 | cps |
| Terbium | 159-1 | 5706255 | 5579097 | 5491183 | 5592178 | 1.93 | cps |
| Terbium | 159-2 | 3754705 | 3653816 | 3703932 | 3704151 | 1.36 | cps |
| Thallium | 203-1 | 173 | 173 | 167 | 171 | 2.25 | cps |
| Thallium | 205-1 | 317 | 283 | 350 | 317 | 10.53 | cps |
| Tin | 118-1 | 4361 | 4471 | 4527 | 4453 | 1.90 | cps |
| Titanium | 47-1 | 31042 | 30761 | 31292 | 31032 | 0.86 | cps |

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| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 18:56:59 | DataFile Name : | 123SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 813 | 940 | 883 | 879 | 7.22 | cps |
| Vanadium | 51-2 | 17734 | 18231 | 17784 | 17916 | 1.53 | cps |
| Yttrium | 89-1 | 7344393 | 7319679 | 7222340 | 7295471 | 0.88 | cps |
| Yttrium | 89-2 | 2166291 | 2137404 | 2196613 | 2166769 | 1.37 | cps |
| Zinc | 66-2 | 7986 | 8119 | 7719 | 7941 | 2.57 | cps |
| Zirconium | 90-1 | 5718 | 5614 | 5451 | 5594 | 2.40 | cps |
| Zirconium | 91-1 | 1173 | 1393 | 1303 | 1290 | 8.57 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-06DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:00:17 | DataFile Name : | 124SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1336423 | 1342289 | 1341054 | 1339922 | 0.23 | cps |
| Antimony | 121-1 | 95629 | 96303 | 95598 | 95843 | 0.42 | cps |
| Arsenic | 75-2 | 22020 | 21916 | 21953 | 21963 | 0.24 | cps |
| Barium | 135-1 | 626285 | 637795 | 645078 | 636386 | 1.49 | cps |
| Barium | 137-1 | 1085415 | 1103595 | 1109493 | 1099501 | 1.14 | cps |
| Beryllium | 9-1 | 5328 | 5864 | 5538 | 5577 | 4.85 | cps |
| Bismuth | 209-1 | 3542078 | 3449027 | 3450650 | 3480585 | 1.53 | cps |
| Bismuth | 209-2 | 2707274 | 2702989 | 2684839 | 2698367 | 0.44 | cps |
| Bromine | 81-1 | 5288 | 5438 | 5184 | 5303 | 2.40 | cps |
| Bromine | 81-2 | 200 | 163 | 153 | 172 | 14.26 | cps |
| Cadmium | 108-1 | 763 | 797 | 760 | 773 | 2.62 | cps |
| Cadmium | 106-1 | 2030 | 2127 | 2140 | 2099 | 2.86 | cps |
| Cadmium | 111-1 | 11698 | 12219 | 12461 | 12126 | 3.22 | cps |
| Calcium | 43-1 | 41921 | 43248 | 42824 | 42664 | 1.59 | cps |
| Calcium | 44-1 | 695832 | 701642 | 710721 | 702731 | 1.07 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 155018 | 154058 | 153936 | 154337 | 0.38 | cps |
| Cobalt | 59-2 | 402222 | 401961 | 402803 | 402329 | 0.11 | cps |
| Copper | 63-2 | 353636 | 350211 | 350166 | 351338 | 0.57 | cps |
| Dysprosium | 156-1 | 9130 | 9650 | 9350 | 9377 | 2.79 | cps |
| Dysprosium | 156-2 | 8403 | 8496 | 8149 | 8349 | 2.15 | cps |
| Erbium | 164-1 | 7045 | 7425 | 7355 | 7275 | 2.78 | cps |
| Erbium | 164-2 | 4681 | 5098 | 5081 | 4953 | 4.76 | cps |
| Gadolinium | 160-1 | 9036 | 9136 | 9196 | 9123 | 0.89 | cps |
| Gadolinium | 160-2 | 6485 | 6418 | 6615 | 6506 | 1.54 | cps |
| Holmium | 165-1 | 5508101 | 5530977 | 5503431 | 5514170 | 0.27 | cps |
| Holmium | 165-2 | 3788199 | 3808883 | 3713739 | 3770274 | 1.33 | cps |
| Indium | 115-1 | 4386286 | 4416819 | 4426529 | 4409878 | 0.48 | cps |
| Indium | 115-2 | 1651628 | 1643571 | 1648353 | 1647851 | 0.25 | cps |
| Iron | 56-2 | 50359233 | 50286211 | 50246218 | 50297220 | 0.11 | cps |
| Iron | 57-2 | 1272762 | 1256001 | 1261511 | 1263425 | 0.68 | cps |
| Iron | 54-2 | 2810754 | 2813690 | 2789425 | 2804623 | 0.47 | cps |
| Krypton | 83-1 | 207 | 220 | 180 | 202 | 10.07 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-06DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:00:17 | DataFile Name : | 124SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 97366 | 96953 | 96959 | 97093 | 0.24 | cps |
| Lead | 207-1 | 82167 | 85252 | 85578 | 84332 | 2.23 | cps |
| Lead | 208-1 | 379120 | 385061 | 382802 | 382328 | 0.78 | cps |
| Lithium | 6-1 | 531043 | 531969 | 524168 | 529060 | 0.81 | cps |
| Magnesium | 24-2 | 1037509 | 1026274 | 1033004 | 1032262 | 0.55 | cps |
| Manganese | 55-2 | 1641780 | 1628751 | 1648551 | 1639694 | 0.61 | cps |
| Molybdenum | 94-1 | 10931 | 10814 | 11011 | 10919 | 0.91 | cps |
| Molybdenum | 95-1 | 1293 | 1447 | 1450 | 1397 | 6.41 | cps |
| Molybdenum | 96-1 | 3504 | 3450 | 3837 | 3597 | 5.83 | cps |
| Molybdenum | 97-1 | 893 | 870 | 903 | 889 | 1.92 | cps |
| Molybdenum | 98-1 | 2094 | 2247 | 2030 | 2124 | 5.25 | cps |
| Neodymium | 150-1 | 17708 | 18466 | 18202 | 18125 | 2.12 | cps |
| Neodymium | 150-2 | 10858 | 10651 | 10808 | 10772 | 1.00 | cps |
| Nickel | 60-2 | 111786 | 110370 | 111273 | 111143 | 0.65 | cps |
| Phosphorus | 31-2 | 6548 | 6531 | 6448 | 6509 | 0.82 | cps |
| Potassium | 39-2 | 1073737 | 1067114 | 1067724 | 1069525 | 0.34 | cps |
| Rhodium | 103-1 | 4175289 | 4157709 | 4090476 | 4141158 | 1.08 | cps |
| Rhodium | 103-2 | 2791866 | 2767215 | 2746073 | 2768385 | 0.83 | cps |
| Scandium | 45-1 | 2386318 | 2383837 | 2405741 | 2391966 | 0.50 | cps |
| Scandium | 45-2 | 270974 | 267470 | 267279 | 268574 | 0.77 | cps |
| Selenium | 82-1 | 1768 | 1633 | 1744 | 1715 | 4.18 | cps |
| Selenium | 77-2 | 253 | 173 | 207 | 211 | 19.03 | cps |
| Selenium | 78-2 | 957 | 717 | 930 | 868 | 15.16 | cps |
| Silicon | 28-1 | 2956131 | 2975742 | 3005046 | 2978973 | 0.83 | cps |
| Silver | 107-1 | 48263 | 49534 | 50384 | 49394 | 2.16 | cps |
| Silver | 109-1 | 45441 | 47387 | 47337 | 46722 | 2.37 | cps |
| Sodium | 23-2 | 52747 | 51710 | 52951 | 52469 | 1.27 | cps |
| Strontium | 86-1 | 44744 | 45323 | 45330 | 45132 | 0.74 | cps |
| Strontium | 88-1 | 394270 | 403652 | 398505 | 398809 | 1.18 | cps |
| Sulfur | 34-1 | 89339 | 88769 | 88782 | 88964 | 0.37 | cps |
| Terbium | 159-1 | 5662355 | 5702143 | 5636217 | 5666905 | 0.59 | cps |
| Terbium | 159-2 | 3757127 | 3812332 | 3786382 | 3785280 | 0.73 | cps |
| Thallium | 203-1 | 37167 | 37819 | 38314 | 37767 | 1.52 | cps |
| Thallium | 205-1 | 90015 | 90418 | 90092 | 90175 | 0.24 | cps |
| Tin | 118-1 | 5478 | 5501 | 5855 | 5611 | 3.76 | cps |
| Titanium | 47-1 | 159354 | 162229 | 162613 | 161399 | 1.10 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-06DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:00:17 | DataFile Name : | 124SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 5201 | 5051 | 5011 | 5088 | 1.97 | cps |
| Vanadium | 51-2 | 305321 | 303583 | 304746 | 304550 | 0.29 | cps |
| Yttrium | 89-1 | 7460447 | 7494844 | 7397049 | 7450780 | 0.67 | cps |
| Yttrium | 89-2 | 2258984 | 2209622 | 2185511 | 2218039 | 1.69 | cps |
| Zinc | 66-2 | 77077 | 77476 | 78501 | 77685 | 0.95 | cps |
| Zirconium | 90-1 | 26878 | 28157 | 27549 | 27528 | 2.32 | cps |
| Zirconium | 91-1 | 6278 | 6338 | 5981 | 6199 | 3.08 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:03:29 | DataFile Name : | 125SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1410996 | 1438178 | 1421207 | 1423460 | 0.96 | cps |
| Antimony | 121-1 | 376268 | 384778 | 383228 | 381425 | 1.19 | cps |
| Arsenic | 75-2 | 27736 | 28544 | 28788 | 28356 | 1.94 | cps |
| Barium | 135-1 | 2075127 | 2135590 | 2172282 | 2127666 | 2.31 | cps |
| Barium | 137-1 | 3666888 | 3708473 | 3639177 | 3671513 | 0.95 | cps |
| Beryllium | 9-1 | 20116 | 20340 | 20824 | 20427 | 1.77 | cps |
| Bismuth | 209-1 | 3501432 | 3542140 | 3510589 | 3518053 | 0.61 | cps |
| Bismuth | 209-2 | 2666829 | 2655237 | 2306789 | 2542952 | 8.05 | cps |
| Bromine | 81-1 | 5404 | 5371 | 5381 | 5385 | 0.32 | cps |
| Bromine | 81-2 | 160 | 133 | 117 | 137 | 15.99 | cps |
| Cadmium | 108-1 | 3144 | 3057 | 3060 | 3087 | 1.59 | cps |
| Cadmium | 106-1 | 5074 | 5024 | 5081 | 5060 | 0.61 | cps |
| Cadmium | 111-1 | 46074 | 46066 | 46625 | 46255 | 0.69 | cps |
| Calcium | 43-1 | 39836 | 41440 | 42212 | 41162 | 2.94 | cps |
| Calcium | 44-1 | 674491 | 690015 | 687459 | 683988 | 1.22 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 414336 | 418064 | 420544 | 417648 | 0.75 | cps |
| Cobalt | 59-2 | 1389162 | 1397916 | 1432236 | 1406438 | 1.62 | cps |
| Copper | 63-2 | 680114 | 684033 | 688129 | 684092 | 0.59 | cps |
| Dysprosium | 156-1 | 9073 | 9370 | 9160 | 9201 | 1.66 | cps |
| Dysprosium | 156-2 | 7849 | 7979 | 8269 | 8032 | 2.68 | cps |
| Erbium | 164-1 | 7319 | 7312 | 7499 | 7376 | 1.44 | cps |
| Erbium | 164-2 | 4784 | 5018 | 4934 | 4912 | 2.41 | cps |
| Gadolinium | 160-1 | 8299 | 8820 | 8920 | 8679 | 3.84 | cps |
| Gadolinium | 160-2 | 6218 | 6555 | 6258 | 6344 | 2.90 | cps |
| Holmium | 165-1 | 5546513 | 5589424 | 5647700 | 5594546 | 0.91 | cps |
| Holmium | 165-2 | 3858809 | 3725139 | 3320450 | 3634799 | 7.71 | cps |
| Indium | 115-1 | 4473065 | 4406065 | 4376855 | 4418662 | 1.12 | cps |
| Indium | 115-2 | 1623287 | 1650159 | 1410781 | 1561409 | 8.40 | cps |
| Iron | 56-2 | 49175926 | 49519629 | 49702154 | 49465903 | 0.54 | cps |
| Iron | 57-2 | 1243947 | 1244275 | 1256512 | 1248245 | 0.57 | cps |
| Iron | 54-2 | 2791661 | 2750799 | 2761342 | 2767934 | 0.77 | cps |
| Krypton | 83-1 | 153 | 147 | 157 | 152 | 3.35 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:03:29 | DataFile Name : | 125SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 131039 | 134979 | 134659 | 133559 | 1.64 | cps |
| Lead | 207-1 | 115738 | 117005 | 116051 | 116265 | 0.57 | cps |
| Lead | 208-1 | 521400 | 532728 | 531478 | 528535 | 1.18 | cps |
| Lithium | 6-1 | 530211 | 539057 | 538570 | 535946 | 0.93 | cps |
| Magnesium | 24-2 | 997028 | 1005646 | 1001587 | 1001420 | 0.43 | cps |
| Manganese | 55-2 | 2075899 | 2045874 | 2057574 | 2059782 | 0.73 | cps |
| Molybdenum | 94-1 | 10724 | 10410 | 11034 | 10723 | 2.91 | cps |
| Molybdenum | 95-1 | 1490 | 1353 | 1453 | 1432 | 4.94 | cps |
| Molybdenum | 96-1 | 3417 | 3457 | 3644 | 3506 | 3.45 | cps |
| Molybdenum | 97-1 | 833 | 800 | 893 | 842 | 5.62 | cps |
| Molybdenum | 98-1 | 2220 | 2330 | 2237 | 2262 | 2.62 | cps |
| Neodymium | 150-1 | 17321 | 17641 | 17548 | 17503 | 0.94 | cps |
| Neodymium | 150-2 | 10414 | 10537 | 10060 | 10337 | 2.40 | cps |
| Nickel | 60-2 | 362226 | 364338 | 365587 | 364051 | 0.47 | cps |
| Phosphorus | 31-2 | 5845 | 5995 | 6145 | 5995 | 2.50 | cps |
| Potassium | 39-2 | 1028612 | 1035829 | 1038956 | 1034466 | 0.51 | cps |
| Rhodium | 103-1 | 4114074 | 4120496 | 4054913 | 4096494 | 0.88 | cps |
| Rhodium | 103-2 | 2774233 | 2723598 | 2371154 | 2622995 | 8.37 | cps |
| Scandium | 45-1 | 2413099 | 2429047 | 2365409 | 2402518 | 1.38 | cps |
| Scandium | 45-2 | 263831 | 264272 | 233327 | 253810 | 6.99 | cps |
| Selenium | 82-1 | 6153 | 6203 | 6297 | 6217 | 1.17 | cps |
| Selenium | 77-2 | 753 | 600 | 703 | 686 | 11.41 | cps |
| Selenium | 78-2 | 2617 | 2624 | 2594 | 2611 | 0.60 | cps |
| Silicon | 28-1 | 2866247 | 2946759 | 2933987 | 2915664 | 1.48 | cps |
| Silver | 107-1 | 146989 | 143504 | 157364 | 149286 | 4.83 | cps |
| Silver | 109-1 | 173615 | 134125 | 147564 | 151768 | 13.23 | cps |
| Sodium | 23-2 | 60970 | 61720 | 61301 | 61330 | 0.61 | cps |
| Strontium | 86-1 | 44367 | 44113 | 44377 | 44285 | 0.34 | cps |
| Strontium | 88-1 | 384078 | 388254 | 389066 | 387133 | 0.69 | cps |
| Sulfur | 34-1 | 88880 | 87998 | 86992 | 87957 | 1.07 | cps |
| Terbium | 159-1 | 5690313 | 5685769 | 5606061 | 5660715 | 0.84 | cps |
| Terbium | 159-2 | 3776562 | 3757296 | 3327998 | 3620619 | 7.00 | cps |
| Thallium | 203-1 | 156952 | 154752 | 156282 | 155995 | 0.72 | cps |
| Thallium | 205-1 | 364417 | 374909 | 372885 | 370737 | 1.50 | cps |
| Tin | 118-1 | 5121 | 5284 | 5504 | 5303 | 3.63 | cps |
| Titanium | 47-1 | 156678 | 157978 | 161057 | 158571 | 1.42 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:03:29 | DataFile Name : | 125SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 5261 | 4918 | 4954 | 5044 | 3.74 | cps |
| Vanadium | 51-2 | 890334 | 888624 | 895186 | 891382 | 0.38 | cps |
| Yttrium | 89-1 | 7465028 | 7521743 | 7479814 | 7488862 | 0.39 | cps |
| Yttrium | 89-2 | 2197885 | 2196173 | 1894488 | 2096182 | 8.33 | cps |
| Zinc | 66-2 | 191728 | 192197 | 193244 | 192390 | 0.40 | cps |
| Zirconium | 90-1 | 26531 | 27032 | 26915 | 26826 | 0.98 | cps |
| Zirconium | 91-1 | 6005 | 5915 | 5998 | 5972 | 0.84 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:06:41 | DataFile Name : | 126SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1583460 | 1607945 | 1598659 | 1596688 | 0.77 | cps |
| Antimony | 121-1 | 2647 | 2637 | 2717 | 2667 | 1.63 | cps |
| Arsenic | 75-2 | 10514 | 11064 | 11258 | 10945 | 3.53 | cps |
| Barium | 135-1 | 174390 | 177964 | 178888 | 177081 | 1.34 | cps |
| Barium | 137-1 | 302641 | 303867 | 306595 | 304368 | 0.66 | cps |
| Beryllium | 9-1 | 293 | 247 | 200 | 247 | 18.92 | cps |
| Bismuth | 209-1 | 3526926 | 3518435 | 3465323 | 3503561 | 0.95 | cps |
| Bismuth | 209-2 | 2608219 | 2649264 | 2660213 | 2639232 | 1.04 | cps |
| Bromine | 81-1 | 5344 | 4948 | 5501 | 5264 | 5.42 | cps |
| Bromine | 81-2 | 160 | 137 | 133 | 143 | 10.13 | cps |
| Cadmium | 108-1 | 60 | 70 | 53 | 61 | 13.73 | cps |
| Cadmium | 106-1 | 1017 | 1090 | 1117 | 1074 | 4.82 | cps |
| Cadmium | 111-1 | 1253 | 1281 | 1371 | 1302 | 4.74 | cps |
| Calcium | 43-1 | 73189 | 74066 | 74083 | 73779 | 0.69 | cps |
| Calcium | 44-1 | 1205955 | 1216115 | 1226243 | 1216104 | 0.83 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 68448 | 67560 | 67410 | 67806 | 0.83 | cps |
| Cobalt | 59-2 | 47602 | 46669 | 47682 | 47318 | 1.19 | cps |
| Copper | 63-2 | 205410 | 203518 | 204718 | 204548 | 0.47 | cps |
| Dysprosium | 156-1 | 10090 | 9974 | 9563 | 9876 | 2.80 | cps |
| Dysprosium | 156-2 | 8329 | 8739 | 8062 | 8377 | 4.07 | cps |
| Erbium | 164-1 | 7819 | 8112 | 8152 | 8028 | 2.27 | cps |
| Erbium | 164-2 | 5538 | 5481 | 5571 | 5530 | 0.82 | cps |
| Gadolinium | 160-1 | 9503 | 9310 | 9063 | 9292 | 2.37 | cps |
| Gadolinium | 160-2 | 6732 | 6802 | 6985 | 6840 | 1.91 | cps |
| Holmium | 165-1 | 5477200 | 5515135 | 5518986 | 5503774 | 0.42 | cps |
| Holmium | 165-2 | 3810884 | 3749711 | 3786808 | 3782468 | 0.81 | cps |
| Indium | 115-1 | 4358146 | 4416877 | 4391981 | 4389001 | 0.67 | cps |
| Indium | 115-2 | 1684453 | 1669845 | 1631712 | 1662003 | 1.64 | cps |
| Iron | 56-2 | 50416153 | 49840148 | 49891926 | 50049409 | 0.64 | cps |
| Iron | 57-2 | 1265930 | 1259227 | 1258296 | 1261151 | 0.33 | cps |
| Iron | 54-2 | 2793061 | 2763974 | 2752260 | 2769765 | 0.76 | cps |
| Krypton | 83-1 | 203 | 167 | 187 | 186 | 9.89 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:06:41 | DataFile Name : | 126SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 68250 | 69376 | 68655 | 68760 | 0.83 | cps |
| Lead | 207-1 | 59329 | 60042 | 59717 | 59696 | 0.60 | cps |
| Lead | 208-1 | 267781 | 272712 | 271283 | 270592 | 0.94 | cps |
| Lithium | 6-1 | 540956 | 550438 | 543802 | 545065 | 0.89 | cps |
| Magnesium | 24-2 | 1189795 | 1185586 | 1190838 | 1188739 | 0.23 | cps |
| Manganese | 55-2 | 1441186 | 1442903 | 1445545 | 1443211 | 0.15 | cps |
| Molybdenum | 94-1 | 13873 | 13600 | 14310 | 13928 | 2.57 | cps |
| Molybdenum | 95-1 | 907 | 1023 | 907 | 946 | 7.12 | cps |
| Molybdenum | 96-1 | 3637 | 3867 | 3807 | 3771 | 3.16 | cps |
| Molybdenum | 97-1 | 560 | 603 | 493 | 552 | 10.03 | cps |
| Molybdenum | 98-1 | 1440 | 1490 | 1383 | 1438 | 3.71 | cps |
| Neodymium | 150-1 | 18108 | 19193 | 19196 | 18833 | 3.33 | cps |
| Neodymium | 150-2 | 11265 | 11301 | 11168 | 11245 | 0.61 | cps |
| Nickel | 60-2 | 23542 | 23031 | 23001 | 23191 | 1.31 | cps |
| Phosphorus | 31-2 | 4117 | 4151 | 4257 | 4175 | 1.75 | cps |
| Potassium | 39-2 | 886478 | 886356 | 881391 | 884741 | 0.33 | cps |
| Rhodium | 103-1 | 4053035 | 4140953 | 4187518 | 4127169 | 1.65 | cps |
| Rhodium | 103-2 | 2770741 | 2766478 | 2712229 | 2749816 | 1.19 | cps |
| Scandium | 45-1 | 2359173 | 2368254 | 2363013 | 2363480 | 0.19 | cps |
| Scandium | 45-2 | 266506 | 268047 | 264749 | 266434 | 0.62 | cps |
| Selenium | 82-1 | 241 | 280 | 264 | 262 | 7.51 | cps |
| Selenium | 77-2 | 30 | 30 | 40 | 33 | 17.32 | cps |
| Selenium | 78-2 | 367 | 303 | 243 | 304 | 20.26 | cps |
| Silicon | 28-1 | 3034497 | 3041189 | 3050655 | 3042114 | 0.27 | cps |
| Silver | 107-1 | 1323 | 1313 | 1330 | 1322 | 0.63 | cps |
| Silver | 109-1 | 1413 | 1307 | 1160 | 1293 | 9.83 | cps |
| Sodium | 23-2 | 55292 | 54396 | 54195 | 54628 | 1.07 | cps |
| Strontium | 86-1 | 40205 | 40709 | 41184 | 40699 | 1.20 | cps |
| Strontium | 88-1 | 349372 | 360431 | 358383 | 356062 | 1.65 | cps |
| Sulfur | 34-1 | 89570 | 88041 | 87663 | 88425 | 1.14 | cps |
| Terbium | 159-1 | 5668495 | 5667800 | 5676719 | 5671004 | 0.09 | cps |
| Terbium | 159-2 | 3764601 | 3739740 | 3701566 | 3735302 | 0.85 | cps |
| Thallium | 203-1 | 563 | 647 | 513 | 574 | 11.73 | cps |
| Thallium | 205-1 | 1330 | 1327 | 1257 | 1305 | 3.17 | cps |
| Tin | 118-1 | 5358 | 5418 | 5354 | 5377 | 0.66 | cps |
| Titanium | 47-1 | 174218 | 178149 | 175070 | 175812 | 1.18 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:06:41 | DataFile Name : | 126SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 3400 | 3647 | 3677 | 3575 | 4.25 | cps |
| Vanadium | 51-2 | 96704 | 95661 | 95657 | 96007 | 0.63 | cps |
| Yttrium | 89-1 | 7373916 | 7387382 | 7389273 | 7383524 | 0.11 | cps |
| Yttrium | 89-2 | 2215262 | 2209866 | 2137664 | 2187598 | 1.98 | cps |
| Zinc | 66-2 | 29954 | 29880 | 29710 | 29848 | 0.42 | cps |
| Zirconium | 90-1 | 36295 | 36903 | 36535 | 36578 | 0.84 | cps |
| Zirconium | 91-1 | 8046 | 8149 | 7966 | 8053 | 1.14 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-13DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:09:53 | DataFile Name : | 127SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1671427 | 1660558 | 1647290 | 1659758 | 0.73 | cps |
| Antimony | 121-1 | 2547 | 2524 | 2694 | 2588 | 3.56 | cps |
| Arsenic | 75-2 | 11124 | 11221 | 10907 | 11084 | 1.45 | cps |
| Barium | 135-1 | 178686 | 177798 | 178577 | 178354 | 0.27 | cps |
| Barium | 137-1 | 307309 | 317019 | 311313 | 311880 | 1.56 | cps |
| Beryllium | 9-1 | 250 | 250 | 257 | 252 | 1.53 | cps |
| Bismuth | 209-1 | 3434480 | 3440452 | 3358745 | 3411226 | 1.34 | cps |
| Bismuth | 209-2 | 2642167 | 2686579 | 2662134 | 2663627 | 0.84 | cps |
| Bromine | 81-1 | 5328 | 5431 | 5318 | 5359 | 1.17 | cps |
| Bromine | 81-2 | 147 | 153 | 187 | 162 | 13.21 | cps |
| Cadmium | 108-1 | 73 | 57 | 63 | 64 | 13.01 | cps |
| Cadmium | 106-1 | 1063 | 1087 | 1097 | 1082 | 1.58 | cps |
| Cadmium | 111-1 | 1240 | 1398 | 1330 | 1323 | 5.99 | cps |
| Calcium | 43-1 | 75992 | 76170 | 78238 | 76800 | 1.63 | cps |
| Calcium | 44-1 | 1202160 | 1219709 | 1224859 | 1215576 | 0.98 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 70661 | 70621 | 70952 | 70745 | 0.26 | cps |
| Cobalt | 59-2 | 49304 | 49123 | 49077 | 49168 | 0.24 | cps |
| Copper | 63-2 | 212238 | 210602 | 210092 | 210977 | 0.53 | cps |
| Dysprosium | 156-1 | 10174 | 10304 | 10040 | 10173 | 1.30 | cps |
| Dysprosium | 156-2 | 8910 | 9273 | 9163 | 9115 | 2.05 | cps |
| Erbium | 164-1 | 8233 | 8056 | 8306 | 8198 | 1.57 | cps |
| Erbium | 164-2 | 5668 | 5678 | 5621 | 5656 | 0.53 | cps |
| Gadolinium | 160-1 | 9343 | 9867 | 9997 | 9736 | 3.55 | cps |
| Gadolinium | 160-2 | 7162 | 6792 | 7225 | 7060 | 3.32 | cps |
| Holmium | 165-1 | 5634794 | 5440809 | 5473025 | 5516209 | 1.88 | cps |
| Holmium | 165-2 | 3771119 | 3751122 | 3768202 | 3763481 | 0.29 | cps |
| Indium | 115-1 | 4409086 | 4359351 | 4362578 | 4377005 | 0.64 | cps |
| Indium | 115-2 | 1683891 | 1654849 | 1638567 | 1659102 | 1.38 | cps |
| Iron | 56-2 | 51986726 | 51818218 | 52121983 | 51975642 | 0.29 | cps |
| Iron | 57-2 | 1299795 | 1311979 | 1307228 | 1306334 | 0.47 | cps |
| Iron | 54-2 | 2855541 | 2889344 | 2873857 | 2872914 | 0.59 | cps |
| Krypton | 83-1 | 223 | 180 | 160 | 188 | 17.24 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-13DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:09:53 | DataFile Name : | 127SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 71202 | 70790 | 70260 | 70751 | 0.67 | cps |
| Lead | 207-1 | 61191 | 63782 | 61240 | 62071 | 2.39 | cps |
| Lead | 208-1 | 277691 | 284339 | 282676 | 281569 | 1.23 | cps |
| Lithium | 6-1 | 527363 | 530164 | 526380 | 527969 | 0.37 | cps |
| Magnesium | 24-2 | 1255761 | 1226714 | 1232523 | 1238333 | 1.24 | cps |
| Manganese | 55-2 | 1473402 | 1456356 | 1456397 | 1462052 | 0.67 | cps |
| Molybdenum | 94-1 | 13373 | 13730 | 14327 | 13810 | 3.49 | cps |
| Molybdenum | 95-1 | 1140 | 1060 | 1007 | 1069 | 6.28 | cps |
| Molybdenum | 96-1 | 3674 | 3824 | 4037 | 3845 | 4.75 | cps |
| Molybdenum | 97-1 | 557 | 577 | 687 | 607 | 11.54 | cps |
| Molybdenum | 98-1 | 1333 | 1390 | 1503 | 1409 | 6.14 | cps |
| Neodymium | 150-1 | 18956 | 19290 | 19320 | 19189 | 1.05 | cps |
| Neodymium | 150-2 | 11655 | 11295 | 11785 | 11578 | 2.19 | cps |
| Nickel | 60-2 | 24069 | 23629 | 23508 | 23736 | 1.24 | cps |
| Phosphorus | 31-2 | 4491 | 4117 | 4407 | 4338 | 4.52 | cps |
| Potassium | 39-2 | 924689 | 918569 | 923871 | 922376 | 0.36 | cps |
| Rhodium | 103-1 | 4115513 | 4078984 | 4054018 | 4082838 | 0.76 | cps |
| Rhodium | 103-2 | 2744442 | 2748758 | 2751933 | 2748377 | 0.14 | cps |
| Scandium | 45-1 | 2378947 | 2390172 | 2362410 | 2377176 | 0.59 | cps |
| Scandium | 45-2 | 268149 | 268337 | 267894 | 268127 | 0.08 | cps |
| Selenium | 82-1 | 232 | 232 | 301 | 255 | 15.44 | cps |
| Selenium | 77-2 | 40 | 43 | 40 | 41 | 4.68 | cps |
| Selenium | 78-2 | 390 | 320 | 363 | 358 | 9.87 | cps |
| Silicon | 28-1 | 2906243 | 2873793 | 2857687 | 2879241 | 0.86 | cps |
| Silver | 107-1 | 1350 | 1167 | 1233 | 1250 | 7.42 | cps |
| Silver | 109-1 | 1070 | 1240 | 1180 | 1163 | 7.41 | cps |
| Sodium | 23-2 | 55653 | 54486 | 55948 | 55362 | 1.40 | cps |
| Strontium | 86-1 | 42411 | 42819 | 42889 | 42706 | 0.60 | cps |
| Strontium | 88-1 | 364869 | 371440 | 376479 | 370929 | 1.57 | cps |
| Sulfur | 34-1 | 89343 | 89044 | 87636 | 88674 | 1.03 | cps |
| Terbium | 159-1 | 5753217 | 5675029 | 5542520 | 5656922 | 1.88 | cps |
| Terbium | 159-2 | 3759061 | 3815017 | 3750218 | 3774765 | 0.93 | cps |
| Thallium | 203-1 | 560 | 493 | 523 | 526 | 6.35 | cps |
| Thallium | 205-1 | 1193 | 1200 | 1323 | 1239 | 5.91 | cps |
| Tin | 118-1 | 5471 | 5324 | 5361 | 5385 | 1.42 | cps |
| Titanium | 47-1 | 180032 | 178771 | 182041 | 180281 | 0.91 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-13DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:09:53 | DataFile Name : | 127SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 3627 | 3917 | 3697 | 3747 | 4.04 | cps |
| Vanadium | 51-2 | 100743 | 99938 | 100076 | 100252 | 0.43 | cps |
| Yttrium | 89-1 | 7402314 | 7395549 | 7248961 | 7348941 | 1.18 | cps |
| Yttrium | 89-2 | 2250605 | 2198341 | 2183082 | 2210676 | 1.60 | cps |
| Zinc | 66-2 | 31750 | 30772 | 30698 | 31073 | 1.89 | cps |
| Zirconium | 90-1 | 36349 | 36816 | 36803 | 36656 | 0.73 | cps |
| Zirconium | 91-1 | 8132 | 8209 | 8242 | 8195 | 0.69 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 19:13:05 | DataFile Name : | 128SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 304322 | 301363 | 303292 | 302992 | 0.50 | cps |
| Antimony | 121-1 | 543 | 387 | 517 | 482 | 17.38 | cps |
| Arsenic | 75-2 | 2150 | 2013 | 1960 | 2041 | 4.80 | cps |
| Barium | 135-1 | 33392 | 33910 | 32761 | 33355 | 1.73 | cps |
| Barium | 137-1 | 56753 | 58185 | 58536 | 57825 | 1.63 | cps |
| Beryllium | 9-1 | 47 | 73 | 47 | 56 | 27.71 | cps |
| Bismuth | 209-1 | 3441805 | 3482638 | 3488237 | 3470894 | 0.73 | cps |
| Bismuth | 209-2 | 2603338 | 2646904 | 2658355 | 2636199 | 1.10 | cps |
| Bromine | 81-1 | 4868 | 5128 | 4978 | 4991 | 2.62 | cps |
| Bromine | 81-2 | 63 | 63 | 73 | 67 | 8.66 | cps |
| Cadmium | 108-1 | 20 | 17 | 13 | 17 | 20.01 | cps |
| Cadmium | 106-1 | 937 | 940 | 840 | 906 | 6.27 | cps |
| Cadmium | 111-1 | 748 | 733 | 709 | 730 | 2.74 | cps |
| Calcium | 43-1 | 14140 | 14240 | 14824 | 14401 | 2.57 | cps |
| Calcium | 44-1 | 238125 | 238748 | 240412 | 239095 | 0.49 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 13253 | 13062 | 13199 | 13171 | 0.74 | cps |
| Cobalt | 59-2 | 9170 | 9200 | 9140 | 9170 | 0.33 | cps |
| Copper | 63-2 | 38844 | 39405 | 38657 | 38968 | 1.00 | cps |
| Dysprosium | 156-1 | 1850 | 1847 | 1817 | 1838 | 1.00 | cps |
| Dysprosium | 156-2 | 1510 | 1720 | 1687 | 1639 | 6.89 | cps |
| Erbium | 164-1 | 1637 | 1500 | 1600 | 1579 | 4.48 | cps |
| Erbium | 164-2 | 993 | 1030 | 910 | 978 | 6.29 | cps |
| Gadolinium | 160-1 | 1847 | 1773 | 1777 | 1799 | 2.30 | cps |
| Gadolinium | 160-2 | 1327 | 1300 | 1393 | 1340 | 3.59 | cps |
| Holmium | 165-1 | 5492508 | 5478401 | 5436482 | 5469130 | 0.53 | cps |
| Holmium | 165-2 | 3690997 | 3758633 | 3696887 | 3715506 | 1.01 | cps |
| Indium | 115-1 | 4481367 | 4388619 | 4386285 | 4418757 | 1.23 | cps |
| Indium | 115-2 | 1623596 | 1637398 | 1646613 | 1635869 | 0.71 | cps |
| Iron | 56-2 | 9403207 | 9442340 | 9578628 | 9474725 | 0.97 | cps |
| Iron | 57-2 | 239159 | 240703 | 239640 | 239834 | 0.33 | cps |
| Iron | 54-2 | 533322 | 532985 | 531391 | 532566 | 0.19 | cps |
| Krypton | 83-1 | 210 | 153 | 127 | 163 | 26.05 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 19:13:05 | DataFile Name : | 128SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 13410 | 13220 | 13267 | 13299 | 0.75 | cps |
| Lead | 207-1 | 11178 | 11588 | 11698 | 11488 | 2.39 | cps |
| Lead | 208-1 | 52170 | 51979 | 52740 | 52296 | 0.76 | cps |
| Lithium | 6-1 | 512938 | 539801 | 524403 | 525714 | 2.56 | cps |
| Magnesium | 24-2 | 227422 | 225288 | 227096 | 226602 | 0.51 | cps |
| Manganese | 55-2 | 271490 | 273491 | 269955 | 271645 | 0.65 | cps |
| Molybdenum | 94-1 | 2770 | 2674 | 2650 | 2698 | 2.36 | cps |
| Molybdenum | 95-1 | 220 | 217 | 177 | 204 | 11.79 | cps |
| Molybdenum | 96-1 | 780 | 713 | 777 | 757 | 4.96 | cps |
| Molybdenum | 97-1 | 120 | 127 | 157 | 134 | 14.53 | cps |
| Molybdenum | 98-1 | 273 | 290 | 290 | 284 | 3.38 | cps |
| Neodymium | 150-1 | 3364 | 3714 | 3560 | 3546 | 4.95 | cps |
| Neodymium | 150-2 | 1973 | 1994 | 2137 | 2035 | 4.38 | cps |
| Nickel | 60-2 | 4484 | 4507 | 4407 | 4466 | 1.17 | cps |
| Phosphorus | 31-2 | 920 | 783 | 867 | 857 | 8.04 | cps |
| Potassium | 39-2 | 223189 | 224881 | 222699 | 223590 | 0.51 | cps |
| Rhodium | 103-1 | 4094687 | 4072177 | 4153533 | 4106799 | 1.02 | cps |
| Rhodium | 103-2 | 2730564 | 2744529 | 2765109 | 2746734 | 0.63 | cps |
| Scandium | 45-1 | 2366432 | 2380628 | 2333485 | 2360182 | 1.02 | cps |
| Scandium | 45-2 | 260139 | 260233 | 262013 | 260795 | 0.40 | cps |
| Selenium | 82-1 | 191 | 271 | 330 | 264 | 26.38 | cps |
| Selenium | 77-2 | 13 | 3 | 20 | 12 | 68.66 | cps |
| Selenium | 78-2 | 327 | 273 | 317 | 306 | 9.28 | cps |
| Silicon | 28-1 | 713664 | 725177 | 726101 | 721647 | 0.96 | cps |
| Silver | 107-1 | 273 | 300 | 273 | 282 | 5.46 | cps |
| Silver | 109-1 | 207 | 240 | 180 | 209 | 14.39 | cps |
| Sodium | 23-2 | 32588 | 32625 | 33192 | 32802 | 1.03 | cps |
| Strontium | 86-1 | 7825 | 8012 | 8192 | 8010 | 2.29 | cps |
| Strontium | 88-1 | 67417 | 68961 | 69185 | 68521 | 1.41 | cps |
| Sulfur | 34-1 | 89768 | 88035 | 87834 | 88546 | 1.20 | cps |
| Terbium | 159-1 | 5606662 | 5601498 | 5642620 | 5616927 | 0.40 | cps |
| Terbium | 159-2 | 3681212 | 3666848 | 3679147 | 3675735 | 0.21 | cps |
| Thallium | 203-1 | 177 | 180 | 167 | 174 | 3.98 | cps |
| Thallium | 205-1 | 357 | 337 | 353 | 349 | 3.07 | cps |
| Tin | 118-1 | 4507 | 4471 | 4457 | 4479 | 0.58 | cps |
| Titanium | 47-1 | 32792 | 33103 | 33350 | 33082 | 0.84 | cps |

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Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 19:13:05 | DataFile Name : | 128SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 690 | 647 | 660 | 666 | 3.33 | cps |
| Vanadium | 51-2 | 18829 | 18308 | 17987 | 18375 | 2.31 | cps |
| Yttrium | 89-1 | 7299253 | 7288641 | 7254455 | 7280783 | 0.32 | cps |
| Yttrium | 89-2 | 2154016 | 2167987 | 2198048 | 2173350 | 1.04 | cps |
| Zinc | 66-2 | 6582 | 6181 | 6632 | 6465 | 3.82 | cps |
| Zirconium | 90-1 | 6878 | 7289 | 7045 | 7071 | 2.92 | cps |
| Zirconium | 91-1 | 1590 | 1637 | 1557 | 1595 | 2.52 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-14DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:16:21 | DataFile Name : | 129SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1635516 | 1635876 | 1626063 | 1632485 | 0.34 | cps |
| Antimony | 121-1 | 83775 | 86015 | 86551 | 85447 | 1.72 | cps |
| Arsenic | 75-2 | 13056 | 12749 | 13119 | 12975 | 1.53 | cps |
| Barium | 135-1 | 561953 | 569194 | 571065 | 567404 | 0.85 | cps |
| Barium | 137-1 | 974325 | 990424 | 995942 | 986897 | 1.14 | cps |
| Beryllium | 9-1 | 4681 | 4944 | 4797 | 4807 | 2.75 | cps |
| Bismuth | 209-1 | 3457664 | 3558685 | 3513232 | 3509861 | 1.44 | cps |
| Bismuth | 209-2 | 2638982 | 2688744 | 2645693 | 2657807 | 1.02 | cps |
| Bromine | 81-1 | 5188 | 5318 | 5348 | 5284 | 1.61 | cps |
| Bromine | 81-2 | 163 | 167 | 157 | 162 | 3.14 | cps |
| Cadmium | 108-1 | 757 | 750 | 750 | 752 | 0.51 | cps |
| Cadmium | 106-1 | 2007 | 1947 | 1867 | 1940 | 3.62 | cps |
| Cadmium | 111-1 | 11122 | 11308 | 11663 | 11364 | 2.42 | cps |
| Calcium | 43-1 | 70161 | 73015 | 72539 | 71905 | 2.13 | cps |
| Calcium | 44-1 | 1174579 | 1203932 | 1210272 | 1196261 | 1.59 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 149105 | 149627 | 149492 | 149408 | 0.18 | cps |
| Cobalt | 59-2 | 351195 | 353067 | 351258 | 351840 | 0.30 | cps |
| Copper | 63-2 | 306613 | 305283 | 302259 | 304719 | 0.73 | cps |
| Dysprosium | 156-1 | 9340 | 9723 | 9573 | 9546 | 2.02 | cps |
| Dysprosium | 156-2 | 8459 | 8449 | 8606 | 8505 | 1.03 | cps |
| Erbium | 164-1 | 7549 | 7866 | 7772 | 7729 | 2.11 | cps |
| Erbium | 164-2 | 5418 | 4978 | 5818 | 5404 | 7.78 | cps |
| Gadolinium | 160-1 | 9043 | 8850 | 9270 | 9054 | 2.32 | cps |
| Gadolinium | 160-2 | 6522 | 6562 | 6865 | 6649 | 2.82 | cps |
| Holmium | 165-1 | 5518128 | 5445022 | 5515155 | 5492768 | 0.75 | cps |
| Holmium | 165-2 | 3756936 | 3793899 | 3761664 | 3770833 | 0.53 | cps |
| Indium | 115-1 | 4417459 | 4382110 | 4395041 | 4398203 | 0.41 | cps |
| Indium | 115-2 | 1635403 | 1661164 | 1653502 | 1650023 | 0.80 | cps |
| Iron | 56-2 | 49487144 | 49438168 | 49809988 | 49578433 | 0.41 | cps |
| Iron | 57-2 | 1248546 | 1248079 | 1248776 | 1248467 | 0.03 | cps |
| Iron | 54-2 | 2755744 | 2759395 | 2789821 | 2768320 | 0.68 | cps |
| Krypton | 83-1 | 203 | 157 | 217 | 192 | 16.39 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-14DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:16:21 | DataFile Name : | 129SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 76819 | 78039 | 79776 | 78211 | 1.90 | cps |
| Lead | 207-1 | 67520 | 68964 | 67979 | 68154 | 1.08 | cps |
| Lead | 208-1 | 304209 | 308576 | 310323 | 307702 | 1.02 | cps |
| Lithium | 6-1 | 532631 | 539317 | 544083 | 538677 | 1.07 | cps |
| Magnesium | 24-2 | 1173088 | 1161488 | 1157596 | 1164057 | 0.69 | cps |
| Manganese | 55-2 | 1560547 | 1587405 | 1598476 | 1582143 | 1.23 | cps |
| Molybdenum | 94-1 | 13003 | 13780 | 13653 | 13479 | 3.09 | cps |
| Molybdenum | 95-1 | 973 | 933 | 850 | 919 | 6.85 | cps |
| Molybdenum | 96-1 | 3414 | 3600 | 3547 | 3520 | 2.73 | cps |
| Molybdenum | 97-1 | 610 | 607 | 533 | 583 | 7.43 | cps |
| Molybdenum | 98-1 | 1287 | 1450 | 1543 | 1427 | 9.11 | cps |
| Neodymium | 150-1 | 17624 | 18222 | 18302 | 18049 | 2.05 | cps |
| Neodymium | 150-2 | 10761 | 10968 | 11328 | 11019 | 2.60 | cps |
| Nickel | 60-2 | 99876 | 100212 | 101564 | 100551 | 0.89 | cps |
| Phosphorus | 31-2 | 4197 | 4114 | 4094 | 4135 | 1.33 | cps |
| Potassium | 39-2 | 869963 | 873430 | 871565 | 871653 | 0.20 | cps |
| Rhodium | 103-1 | 4092512 | 4117162 | 4113408 | 4107694 | 0.32 | cps |
| Rhodium | 103-2 | 2777514 | 2720036 | 2764495 | 2754015 | 1.09 | cps |
| Scandium | 45-1 | 2391153 | 2363587 | 2391671 | 2382137 | 0.67 | cps |
| Scandium | 45-2 | 266877 | 266279 | 268093 | 267083 | 0.35 | cps |
| Selenium | 82-1 | 1520 | 1561 | 1598 | 1560 | 2.50 | cps |
| Selenium | 77-2 | 203 | 177 | 193 | 191 | 7.05 | cps |
| Selenium | 78-2 | 823 | 880 | 970 | 891 | 8.30 | cps |
| Silicon | 28-1 | 2953865 | 2981555 | 3019058 | 2984826 | 1.10 | cps |
| Silver | 107-1 | 41873 | 43599 | 44130 | 43201 | 2.73 | cps |
| Silver | 109-1 | 40804 | 41075 | 41402 | 41094 | 0.73 | cps |
| Sodium | 23-2 | 53078 | 53289 | 53051 | 53139 | 0.24 | cps |
| Strontium | 86-1 | 39724 | 40298 | 40783 | 40268 | 1.32 | cps |
| Strontium | 88-1 | 346715 | 354249 | 355098 | 352020 | 1.31 | cps |
| Sulfur | 34-1 | 90640 | 88038 | 87790 | 88823 | 1.78 | cps |
| Terbium | 159-1 | 5655050 | 5730778 | 5681019 | 5688949 | 0.68 | cps |
| Terbium | 159-2 | 3761296 | 3701303 | 3754874 | 3739158 | 0.88 | cps |
| Thallium | 203-1 | 34738 | 35139 | 34992 | 34956 | 0.58 | cps |
| Thallium | 205-1 | 81938 | 82827 | 82981 | 82582 | 0.68 | cps |
| Tin | 118-1 | 5464 | 5468 | 5508 | 5480 | 0.44 | cps |
| Titanium | 47-1 | 170792 | 174949 | 173556 | 173099 | 1.22 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-14DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:16:21 | DataFile Name : | 129SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 3414 | 3741 | 3604 | 3586 | 4.58 | cps |
| Vanadium | 51-2 | 276336 | 277112 | 277797 | 277082 | 0.26 | cps |
| Yttrium | 89-1 | 7307534 | 7322011 | 7375155 | 7334900 | 0.49 | cps |
| Yttrium | 89-2 | 2185711 | 2212670 | 2191720 | 2196701 | 0.64 | cps |
| Zinc | 66-2 | 64294 | 64716 | 66417 | 65142 | 1.73 | cps |
| Zirconium | 90-1 | 34681 | 36161 | 36713 | 35852 | 2.93 | cps |
| Zirconium | 91-1 | 7709 | 7892 | 8242 | 7948 | 3.41 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:19:35 | DataFile Name : | 130SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1710421 | 1746413 | 1715950 | 1724261 | 1.12 | cps |
| Antimony | 121-1 | 371099 | 377162 | 378973 | 375745 | 1.10 | cps |
| Arsenic | 75-2 | 20648 | 20618 | 19877 | 20381 | 2.14 | cps |
| Barium | 135-1 | 2035403 | 2034236 | 2086226 | 2051955 | 1.45 | cps |
| Barium | 137-1 | 3535942 | 3585137 | 3571447 | 3564175 | 0.71 | cps |
| Beryllium | 9-1 | 19806 | 19940 | 20404 | 20050 | 1.56 | cps |
| Bismuth | 209-1 | 3635523 | 3504491 | 3479517 | 3539844 | 2.37 | cps |
| Bismuth | 209-2 | 2724083 | 2646724 | 2645886 | 2672231 | 1.68 | cps |
| Bromine | 81-1 | 5468 | 5291 | 5118 | 5292 | 3.31 | cps |
| Bromine | 81-2 | 133 | 140 | 180 | 151 | 16.70 | cps |
| Cadmium | 108-1 | 2990 | 2934 | 3177 | 3034 | 4.20 | cps |
| Cadmium | 106-1 | 5114 | 4918 | 5141 | 5058 | 2.41 | cps |
| Cadmium | 111-1 | 44902 | 46452 | 45813 | 45722 | 1.70 | cps |
| Calcium | 43-1 | 70510 | 71939 | 71665 | 71371 | 1.06 | cps |
| Calcium | 44-1 | 1159174 | 1188036 | 1193112 | 1180107 | 1.55 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 418152 | 419324 | 419536 | 419004 | 0.18 | cps |
| Cobalt | 59-2 | 1352468 | 1360173 | 1357611 | 1356751 | 0.29 | cps |
| Copper | 63-2 | 641257 | 641909 | 644356 | 642508 | 0.25 | cps |
| Dysprosium | 156-1 | 9220 | 9780 | 9163 | 9388 | 3.63 | cps |
| Dysprosium | 156-2 | 8393 | 8272 | 8453 | 8373 | 1.10 | cps |
| Erbium | 164-1 | 7769 | 7829 | 7776 | 7791 | 0.42 | cps |
| Erbium | 164-2 | 5251 | 5358 | 5451 | 5353 | 1.87 | cps |
| Gadolinium | 160-1 | 9080 | 8920 | 9060 | 9020 | 0.97 | cps |
| Gadolinium | 160-2 | 6748 | 6648 | 6748 | 6715 | 0.86 | cps |
| Holmium | 165-1 | 5737734 | 5561573 | 5466144 | 5588484 | 2.47 | cps |
| Holmium | 165-2 | 3826402 | 3797635 | 3753848 | 3792628 | 0.96 | cps |
| Indium | 115-1 | 4553149 | 4387654 | 4465267 | 4468690 | 1.85 | cps |
| Indium | 115-2 | 1659481 | 1649267 | 1629026 | 1645925 | 0.94 | cps |
| Iron | 56-2 | 50135339 | 50249319 | 50058181 | 50147613 | 0.19 | cps |
| Iron | 57-2 | 1258589 | 1263250 | 1259828 | 1260556 | 0.19 | cps |
| Iron | 54-2 | 2791007 | 2782853 | 2802889 | 2792250 | 0.36 | cps |
| Krypton | 83-1 | 213 | 197 | 193 | 201 | 5.33 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:19:35 | DataFile Name : | 130SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 117788 | 117832 | 117761 | 117794 | 0.03 | cps |
| Lead | 207-1 | 101149 | 100398 | 101667 | 101071 | 0.63 | cps |
| Lead | 208-1 | 460080 | 463872 | 465683 | 463212 | 0.62 | cps |
| Lithium | 6-1 | 556432 | 542436 | 540117 | 546328 | 1.62 | cps |
| Magnesium | 24-2 | 1145478 | 1144153 | 1144706 | 1144779 | 0.06 | cps |
| Manganese | 55-2 | 2008063 | 2007831 | 2031016 | 2015637 | 0.66 | cps |
| Molybdenum | 94-1 | 12959 | 13726 | 13690 | 13458 | 3.22 | cps |
| Molybdenum | 95-1 | 1110 | 940 | 987 | 1012 | 8.68 | cps |
| Molybdenum | 96-1 | 3390 | 3420 | 3554 | 3455 | 2.52 | cps |
| Molybdenum | 97-1 | 550 | 600 | 520 | 557 | 7.26 | cps |
| Molybdenum | 98-1 | 1483 | 1493 | 1443 | 1473 | 1.80 | cps |
| Neodymium | 150-1 | 18342 | 18242 | 18152 | 18245 | 0.52 | cps |
| Neodymium | 150-2 | 10988 | 10748 | 11168 | 10968 | 1.92 | cps |
| Nickel | 60-2 | 358194 | 355734 | 357531 | 357153 | 0.36 | cps |
| Phosphorus | 31-2 | 3881 | 3911 | 4057 | 3949 | 2.39 | cps |
| Potassium | 39-2 | 857587 | 860070 | 859622 | 859093 | 0.15 | cps |
| Rhodium | 103-1 | 4335036 | 4115566 | 4077897 | 4176166 | 3.33 | cps |
| Rhodium | 103-2 | 2737353 | 2737248 | 2708895 | 2727832 | 0.60 | cps |
| Scandium | 45-1 | 2455687 | 2377727 | 2372570 | 2401995 | 1.94 | cps |
| Scandium | 45-2 | 266004 | 267505 | 264980 | 266163 | 0.48 | cps |
| Selenium | 82-1 | 6182 | 6095 | 6367 | 6215 | 2.24 | cps |
| Selenium | 77-2 | 817 | 753 | 763 | 778 | 4.38 | cps |
| Selenium | 78-2 | 2790 | 2627 | 2800 | 2739 | 3.55 | cps |
| Silicon | 28-1 | 2863314 | 2894924 | 2862367 | 2873535 | 0.64 | cps |
| Silver | 107-1 | 166320 | 142509 | 163285 | 157371 | 8.24 | cps |
| Silver | 109-1 | 159230 | 142455 | 138324 | 146670 | 7.55 | cps |
| Sodium | 23-2 | 51877 | 53198 | 52843 | 52639 | 1.30 | cps |
| Strontium | 86-1 | 38530 | 39022 | 40038 | 39197 | 1.96 | cps |
| Strontium | 88-1 | 341821 | 350345 | 349142 | 347103 | 1.33 | cps |
| Sulfur | 34-1 | 90549 | 88541 | 88574 | 89222 | 1.29 | cps |
| Terbium | 159-1 | 5852397 | 5678803 | 5690539 | 5740579 | 1.69 | cps |
| Terbium | 159-2 | 3735834 | 3795320 | 3775829 | 3768994 | 0.80 | cps |
| Thallium | 203-1 | 151489 | 153231 | 156445 | 153722 | 1.64 | cps |
| Thallium | 205-1 | 364404 | 367577 | 367298 | 366426 | 0.48 | cps |
| Tin | 118-1 | 5354 | 5468 | 5428 | 5417 | 1.06 | cps |
| Titanium | 47-1 | 167217 | 170081 | 171139 | 169479 | 1.20 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:19:35 | DataFile Name : | 130SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 3470 | 3227 | 3330 | 3343 | 3.65 | cps |
| Vanadium | 51-2 | 877560 | 876340 | 872784 | 875562 | 0.28 | cps |
| Yttrium | 89-1 | 7604899 | 7415372 | 7387219 | 7469163 | 1.59 | cps |
| Yttrium | 89-2 | 2158320 | 2174752 | 2201683 | 2178251 | 1.01 | cps |
| Zinc | 66-2 | 181264 | 182072 | 182329 | 181888 | 0.31 | cps |
| Zirconium | 90-1 | 34320 | 35369 | 36078 | 35256 | 2.51 | cps |
| Zirconium | 91-1 | 7515 | 8039 | 8002 | 7852 | 3.72 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:22:44 | DataFile Name : | 131SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1658359 | 1646318 | 1681033 | 1661903 | 1.06 | cps |
| Antimony | 121-1 | 2810 | 2754 | 2794 | 2786 | 1.05 | cps |
| Arsenic | 75-2 | 9029 | 9323 | 9066 | 9140 | 1.75 | cps |
| Barium | 135-1 | 192097 | 195580 | 193777 | 193818 | 0.90 | cps |
| Barium | 137-1 | 331699 | 334055 | 334444 | 333400 | 0.45 | cps |
| Beryllium | 9-1 | 250 | 287 | 193 | 243 | 19.32 | cps |
| Bismuth | 209-1 | 3393792 | 3479891 | 3629842 | 3501175 | 3.41 | cps |
| Bismuth | 209-2 | 2601479 | 2666374 | 2663066 | 2643640 | 1.38 | cps |
| Bromine | 81-1 | 5311 | 5371 | 5251 | 5311 | 1.13 | cps |
| Bromine | 81-2 | 173 | 183 | 150 | 169 | 10.13 | cps |
| Cadmium | 108-1 | 60 | 40 | 40 | 47 | 24.74 | cps |
| Cadmium | 106-1 | 1050 | 1087 | 1150 | 1096 | 4.62 | cps |
| Cadmium | 111-1 | 990 | 979 | 1040 | 1003 | 3.26 | cps |
| Calcium | 43-1 | 89677 | 92376 | 94354 | 92136 | 2.55 | cps |
| Calcium | 44-1 | 1432672 | 1435722 | 1466877 | 1445090 | 1.31 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 60236 | 59955 | 60159 | 60117 | 0.24 | cps |
| Cobalt | 59-2 | 43637 | 44536 | 43837 | 44003 | 1.07 | cps |
| Copper | 63-2 | 122184 | 120964 | 121485 | 121544 | 0.50 | cps |
| Dysprosium | 156-1 | 9070 | 9547 | 9707 | 9441 | 3.51 | cps |
| Dysprosium | 156-2 | 8676 | 8146 | 8376 | 8399 | 3.17 | cps |
| Erbium | 164-1 | 7212 | 7225 | 7819 | 7419 | 4.67 | cps |
| Erbium | 164-2 | 4871 | 5091 | 4964 | 4975 | 2.22 | cps |
| Gadolinium | 160-1 | 8903 | 8970 | 8873 | 8915 | 0.56 | cps |
| Gadolinium | 160-2 | 6535 | 6652 | 6418 | 6535 | 1.79 | cps |
| Holmium | 165-1 | 5520530 | 5562278 | 5449292 | 5510700 | 1.04 | cps |
| Holmium | 165-2 | 3728056 | 3770223 | 3768298 | 3755525 | 0.63 | cps |
| Indium | 115-1 | 4441304 | 4455998 | 4352755 | 4416686 | 1.26 | cps |
| Indium | 115-2 | 1647730 | 1623463 | 1649746 | 1640313 | 0.89 | cps |
| Iron | 56-2 | 51004538 | 51220438 | 50855453 | 51026809 | 0.36 | cps |
| Iron | 57-2 | 1289063 | 1290471 | 1292738 | 1290758 | 0.14 | cps |
| Iron | 54-2 | 2812549 | 2867042 | 2849334 | 2842975 | 0.98 | cps |
| Krypton | 83-1 | 163 | 230 | 137 | 177 | 27.21 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:22:44 | DataFile Name : | 131SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 37889 | 39454 | 38682 | 38675 | 2.02 | cps |
| Lead | 207-1 | 32769 | 33742 | 33067 | 33193 | 1.50 | cps |
| Lead | 208-1 | 150951 | 151962 | 153368 | 152094 | 0.80 | cps |
| Lithium | 6-1 | 522573 | 531377 | 552219 | 535390 | 2.84 | cps |
| Magnesium | 24-2 | 1246803 | 1244891 | 1256606 | 1249433 | 0.50 | cps |
| Manganese | 55-2 | 878551 | 885708 | 898065 | 887441 | 1.11 | cps |
| Molybdenum | 94-1 | 15101 | 15418 | 15465 | 15328 | 1.29 | cps |
| Molybdenum | 95-1 | 900 | 740 | 800 | 813 | 9.94 | cps |
| Molybdenum | 96-1 | 3527 | 3754 | 3751 | 3677 | 3.53 | cps |
| Molybdenum | 97-1 | 447 | 550 | 490 | 496 | 10.47 | cps |
| Molybdenum | 98-1 | 1297 | 1220 | 1180 | 1232 | 4.81 | cps |
| Neodymium | 150-1 | 18773 | 18716 | 19450 | 18980 | 2.15 | cps |
| Neodymium | 150-2 | 11622 | 11315 | 11575 | 11504 | 1.44 | cps |
| Nickel | 60-2 | 24984 | 24817 | 25235 | 25012 | 0.84 | cps |
| Phosphorus | 31-2 | 4908 | 5018 | 5228 | 5051 | 3.22 | cps |
| Potassium | 39-2 | 814274 | 817384 | 824533 | 818730 | 0.64 | cps |
| Rhodium | 103-1 | 3991610 | 4287103 | 4103214 | 4127309 | 3.62 | cps |
| Rhodium | 103-2 | 2720633 | 2758144 | 2731528 | 2736769 | 0.71 | cps |
| Scandium | 45-1 | 2385911 | 2364078 | 2415145 | 2388378 | 1.07 | cps |
| Scandium | 45-2 | 264478 | 264879 | 265713 | 265023 | 0.24 | cps |
| Selenium | 82-1 | 290 | 207 | 281 | 259 | 17.50 | cps |
| Selenium | 77-2 | 47 | 40 | 40 | 42 | 9.12 | cps |
| Selenium | 78-2 | 360 | 333 | 380 | 358 | 6.54 | cps |
| Silicon | 28-1 | 2236390 | 2309182 | 2248215 | 2264596 | 1.72 | cps |
| Silver | 107-1 | 820 | 713 | 537 | 690 | 20.74 | cps |
| Silver | 109-1 | 773 | 587 | 567 | 642 | 17.75 | cps |
| Sodium | 23-2 | 67333 | 67541 | 68421 | 67765 | 0.85 | cps |
| Strontium | 86-1 | 92139 | 95014 | 94246 | 93800 | 1.59 | cps |
| Strontium | 88-1 | 819719 | 820365 | 828705 | 822930 | 0.61 | cps |
| Sulfur | 34-1 | 89024 | 89832 | 91250 | 90035 | 1.25 | cps |
| Terbium | 159-1 | 5622848 | 5665077 | 5537525 | 5608483 | 1.16 | cps |
| Terbium | 159-2 | 3689042 | 3691596 | 3784035 | 3721558 | 1.45 | cps |
| Thallium | 203-1 | 383 | 467 | 443 | 431 | 9.97 | cps |
| Thallium | 205-1 | 917 | 953 | 1053 | 974 | 7.26 | cps |
| Tin | 118-1 | 5838 | 6038 | 5655 | 5843 | 3.28 | cps |
| Titanium | 47-1 | 178739 | 184157 | 182156 | 181684 | 1.51 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494 | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:22:44 | DataFile Name : | 131SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 3921 | 3757 | 3787 | 3822 | 2.28 | cps |
| Vanadium | 51-2 | 101089 | 102156 | 101133 | 101460 | 0.60 | cps |
| Yttrium | 89-1 | 7240272 | 7203870 | 7551673 | 7331939 | 2.61 | cps |
| Yttrium | 89-2 | 2171557 | 2151945 | 2200036 | 2174513 | 1.11 | cps |
| Zinc | 66-2 | 23208 | 22981 | 22514 | 22901 | 1.55 | cps |
| Zirconium | 90-1 | 39780 | 40385 | 40259 | 40141 | 0.79 | cps |
| Zirconium | 91-1 | 8993 | 8933 | 9093 | 9006 | 0.90 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-06DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:25:58 | DataFile Name : | 132SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1753372 | 1778116 | 1747045 | 1759511 | 0.93 | cps |
| Antimony | 121-1 | 2694 | 2750 | 2844 | 2763 | 2.74 | cps |
| Arsenic | 75-2 | 9797 | 9403 | 9600 | 9600 | 2.05 | cps |
| Barium | 135-1 | 200724 | 204379 | 211409 | 205504 | 2.64 | cps |
| Barium | 137-1 | 356303 | 363732 | 353377 | 357804 | 1.49 | cps |
| Beryllium | 9-1 | 263 | 167 | 213 | 214 | 22.54 | cps |
| Bismuth | 209-1 | 3495355 | 3436353 | 3414021 | 3448576 | 1.22 | cps |
| Bismuth | 209-2 | 2665726 | 2598721 | 2631338 | 2631928 | 1.27 | cps |
| Bromine | 81-1 | 5341 | 5204 | 5214 | 5253 | 1.45 | cps |
| Bromine | 81-2 | 180 | 193 | 180 | 184 | 4.18 | cps |
| Cadmium | 108-1 | 17 | 63 | 60 | 47 | 55.78 | cps |
| Cadmium | 106-1 | 1093 | 1090 | 1027 | 1070 | 3.51 | cps |
| Cadmium | 111-1 | 1037 | 1005 | 960 | 1001 | 3.87 | cps |
| Calcium | 43-1 | 93385 | 95193 | 96588 | 95055 | 1.69 | cps |
| Calcium | 44-1 | 1481876 | 1522777 | 1532017 | 1512223 | 1.76 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 65163 | 64521 | 64280 | 64655 | 0.71 | cps |
| Cobalt | 59-2 | 45332 | 46402 | 45114 | 45616 | 1.51 | cps |
| Copper | 63-2 | 128883 | 128815 | 126876 | 128191 | 0.89 | cps |
| Dysprosium | 156-1 | 9980 | 10087 | 10247 | 10105 | 1.33 | cps |
| Dysprosium | 156-2 | 8830 | 8896 | 8906 | 8877 | 0.47 | cps |
| Erbium | 164-1 | 7625 | 7626 | 7899 | 7717 | 2.05 | cps |
| Erbium | 164-2 | 5531 | 5384 | 5318 | 5411 | 2.02 | cps |
| Gadolinium | 160-1 | 9437 | 9737 | 9196 | 9457 | 2.86 | cps |
| Gadolinium | 160-2 | 7022 | 6885 | 6972 | 6960 | 0.99 | cps |
| Holmium | 165-1 | 5532216 | 5447938 | 5644383 | 5541512 | 1.78 | cps |
| Holmium | 165-2 | 3808501 | 3700033 | 3737282 | 3748605 | 1.47 | cps |
| Indium | 115-1 | 4438602 | 4341328 | 4503889 | 4427940 | 1.85 | cps |
| Indium | 115-2 | 1645777 | 1635879 | 1627500 | 1636385 | 0.56 | cps |
| Iron | 56-2 | 54792963 | 54227253 | 54121203 | 54380473 | 0.66 | cps |
| Iron | 57-2 | 1371202 | 1332587 | 1332071 | 1345287 | 1.67 | cps |
| Iron | 54-2 | 3030567 | 2976317 | 3041855 | 3016246 | 1.16 | cps |
| Krypton | 83-1 | 113 | 187 | 173 | 158 | 24.76 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-06DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:25:58 | DataFile Name : | 132SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 39644 | 40554 | 41928 | 40709 | 2.82 | cps |
| Lead | 207-1 | 34380 | 35162 | 35216 | 34919 | 1.34 | cps |
| Lead | 208-1 | 156452 | 157386 | 160169 | 158002 | 1.22 | cps |
| Lithium | 6-1 | 519175 | 524837 | 525960 | 523324 | 0.69 | cps |
| Magnesium | 24-2 | 1337534 | 1317293 | 1323506 | 1326111 | 0.78 | cps |
| Manganese | 55-2 | 943925 | 931667 | 932522 | 936038 | 0.73 | cps |
| Molybdenum | 94-1 | 15779 | 16199 | 16119 | 16032 | 1.39 | cps |
| Molybdenum | 95-1 | 800 | 860 | 893 | 851 | 5.56 | cps |
| Molybdenum | 96-1 | 4051 | 4207 | 4231 | 4163 | 2.35 | cps |
| Molybdenum | 97-1 | 430 | 527 | 463 | 473 | 10.37 | cps |
| Molybdenum | 98-1 | 1237 | 1323 | 1313 | 1291 | 3.67 | cps |
| Neodymium | 150-1 | 20101 | 19494 | 20355 | 19983 | 2.21 | cps |
| Neodymium | 150-2 | 12406 | 12492 | 12252 | 12383 | 0.98 | cps |
| Nickel | 60-2 | 26433 | 26801 | 26196 | 26477 | 1.15 | cps |
| Phosphorus | 31-2 | 5318 | 5318 | 5241 | 5292 | 0.84 | cps |
| Potassium | 39-2 | 868554 | 870521 | 872133 | 870403 | 0.21 | cps |
| Rhodium | 103-1 | 4232854 | 4218818 | 4108793 | 4186822 | 1.62 | cps |
| Rhodium | 103-2 | 2742827 | 2747179 | 2787550 | 2759185 | 0.89 | cps |
| Scandium | 45-1 | 2397039 | 2388308 | 2418200 | 2401182 | 0.64 | cps |
| Scandium | 45-2 | 268277 | 264748 | 268213 | 267079 | 0.76 | cps |
| Selenium | 82-1 | 346 | 333 | 283 | 321 | 10.28 | cps |
| Selenium | 77-2 | 43 | 30 | 23 | 32 | 31.61 | cps |
| Selenium | 78-2 | 443 | 393 | 367 | 401 | 9.70 | cps |
| Silicon | 28-1 | 2278145 | 2279839 | 2295424 | 2284469 | 0.42 | cps |
| Silver | 107-1 | 487 | 520 | 487 | 498 | 3.87 | cps |
| Silver | 109-1 | 497 | 497 | 457 | 483 | 4.78 | cps |
| Sodium | 23-2 | 69252 | 68545 | 69590 | 69129 | 0.77 | cps |
| Strontium | 86-1 | 99658 | 101715 | 101289 | 100887 | 1.08 | cps |
| Strontium | 88-1 | 858398 | 877826 | 876082 | 870769 | 1.23 | cps |
| Sulfur | 34-1 | 91974 | 91606 | 91978 | 91852 | 0.23 | cps |
| Terbium | 159-1 | 5830371 | 5845111 | 5484499 | 5719994 | 3.57 | cps |
| Terbium | 159-2 | 3760751 | 3769539 | 3745223 | 3758504 | 0.33 | cps |
| Thallium | 203-1 | 380 | 390 | 410 | 393 | 3.88 | cps |
| Thallium | 205-1 | 900 | 887 | 837 | 874 | 3.82 | cps |
| Tin | 118-1 | 5901 | 5935 | 6248 | 6028 | 3.17 | cps |
| Titanium | 47-1 | 191391 | 193344 | 196838 | 193858 | 1.42 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-06DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494D | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:25:58 | DataFile Name : | 132SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 3831 | 3877 | 4027 | 3912 | 2.63 | cps |
| Vanadium | 51-2 | 109501 | 109085 | 109511 | 109365 | 0.22 | cps |
| Yttrium | 89-1 | 7364836 | 7375074 | 7331710 | 7357207 | 0.31 | cps |
| Yttrium | 89-2 | 2196825 | 2238102 | 2207747 | 2214225 | 0.97 | cps |
| Zinc | 66-2 | 24273 | 23776 | 24009 | 24019 | 1.04 | cps |
| Zirconium | 90-1 | 43210 | 43521 | 44427 | 43719 | 1.45 | cps |
| Zirconium | 91-1 | 9463 | 9650 | 9687 | 9600 | 1.25 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 19:29:09 | DataFile Name : | 133SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 331099 | 328496 | 329095 | 329563 | 0.41 | cps |
| Antimony | 121-1 | 487 | 550 | 527 | 521 | 6.15 | cps |
| Arsenic | 75-2 | 1793 | 1797 | 1660 | 1750 | 4.46 | cps |
| Barium | 135-1 | 38074 | 38392 | 38315 | 38260 | 0.43 | cps |
| Barium | 137-1 | 65393 | 66411 | 66364 | 66056 | 0.87 | cps |
| Beryllium | 9-1 | 43 | 43 | 53 | 47 | 12.37 | cps |
| Bismuth | 209-1 | 3461035 | 3453106 | 3420410 | 3444851 | 0.63 | cps |
| Bismuth | 209-2 | 2576863 | 2658641 | 2661709 | 2632404 | 1.83 | cps |
| Bromine | 81-1 | 4778 | 4871 | 4914 | 4854 | 1.44 | cps |
| Bromine | 81-2 | 107 | 57 | 73 | 79 | 32.27 | cps |
| Cadmium | 108-1 | 3 | 27 | 7 | 12 | 103.26 | cps |
| Cadmium | 106-1 | 1077 | 873 | 827 | 926 | 14.36 | cps |
| Cadmium | 111-1 | 831 | 639 | 617 | 696 | 16.91 | cps |
| Calcium | 43-1 | 18341 | 19156 | 18401 | 18633 | 2.44 | cps |
| Calcium | 44-1 | 305024 | 306972 | 310785 | 307594 | 0.95 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 12782 | 12839 | 12792 | 12804 | 0.24 | cps |
| Cobalt | 59-2 | 8446 | 8446 | 8286 | 8392 | 1.10 | cps |
| Copper | 63-2 | 25168 | 24403 | 25054 | 24875 | 1.66 | cps |
| Dysprosium | 156-1 | 2027 | 1857 | 2114 | 1999 | 6.53 | cps |
| Dysprosium | 156-2 | 1650 | 1700 | 1683 | 1678 | 1.52 | cps |
| Erbium | 164-1 | 1370 | 1530 | 1450 | 1450 | 5.52 | cps |
| Erbium | 164-2 | 963 | 957 | 970 | 963 | 0.69 | cps |
| Gadolinium | 160-1 | 1697 | 1797 | 1950 | 1815 | 7.03 | cps |
| Gadolinium | 160-2 | 1487 | 1330 | 1437 | 1418 | 5.64 | cps |
| Holmium | 165-1 | 5424415 | 5526936 | 5418200 | 5456517 | 1.12 | cps |
| Holmium | 165-2 | 3590630 | 3706724 | 3704246 | 3667200 | 1.81 | cps |
| Indium | 115-1 | 4456804 | 4436426 | 4364940 | 4419390 | 1.09 | cps |
| Indium | 115-2 | 1610889 | 1637266 | 1640516 | 1629557 | 1.00 | cps |
| Iron | 56-2 | 10244001 | 10262939 | 10148424 | 10218455 | 0.60 | cps |
| Iron | 57-2 | 262389 | 259924 | 258369 | 260227 | 0.78 | cps |
| Iron | 54-2 | 579670 | 578037 | 574084 | 577264 | 0.50 | cps |
| Krypton | 83-1 | 113 | 180 | 160 | 151 | 22.64 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 19:29:09 | DataFile Name : | 133SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 8069 | 7909 | 8092 | 8024 | 1.24 | cps |
| Lead | 207-1 | 6532 | 6692 | 6688 | 6637 | 1.38 | cps |
| Lead | 208-1 | 30650 | 30510 | 31408 | 30856 | 1.57 | cps |
| Lithium | 6-1 | 518646 | 530766 | 519389 | 522933 | 1.30 | cps |
| Magnesium | 24-2 | 252904 | 249135 | 250188 | 250742 | 0.78 | cps |
| Manganese | 55-2 | 178013 | 176610 | 177527 | 177383 | 0.40 | cps |
| Molybdenum | 94-1 | 2900 | 3197 | 3204 | 3100 | 5.59 | cps |
| Molybdenum | 95-1 | 197 | 157 | 193 | 182 | 12.18 | cps |
| Molybdenum | 96-1 | 773 | 733 | 837 | 781 | 6.67 | cps |
| Molybdenum | 97-1 | 80 | 100 | 123 | 101 | 21.45 | cps |
| Molybdenum | 98-1 | 290 | 260 | 290 | 280 | 6.19 | cps |
| Neodymium | 150-1 | 3807 | 3794 | 3681 | 3761 | 1.85 | cps |
| Neodymium | 150-2 | 2254 | 2167 | 2300 | 2240 | 3.02 | cps |
| Nickel | 60-2 | 5061 | 5214 | 4757 | 5011 | 4.64 | cps |
| Phosphorus | 31-2 | 1137 | 1043 | 1140 | 1107 | 4.96 | cps |
| Potassium | 39-2 | 217783 | 218245 | 219195 | 218408 | 0.33 | cps |
| Rhodium | 103-1 | 4100582 | 4073949 | 4096319 | 4090283 | 0.35 | cps |
| Rhodium | 103-2 | 2677806 | 2713650 | 2720545 | 2704000 | 0.85 | cps |
| Scandium | 45-1 | 2407297 | 2360406 | 2349391 | 2372365 | 1.30 | cps |
| Scandium | 45-2 | 255538 | 260189 | 259434 | 258387 | 0.97 | cps |
| Selenium | 82-1 | 319 | 237 | 255 | 270 | 15.87 | cps |
| Selenium | 77-2 | 20 | 7 | 17 | 14 | 48.02 | cps |
| Selenium | 78-2 | 330 | 297 | 317 | 314 | 5.34 | cps |
| Silicon | 28-1 | 570615 | 582849 | 583601 | 579022 | 1.26 | cps |
| Silver | 107-1 | 117 | 120 | 140 | 126 | 10.05 | cps |
| Silver | 109-1 | 107 | 90 | 130 | 109 | 18.45 | cps |
| Sodium | 23-2 | 34910 | 34111 | 34809 | 34610 | 1.26 | cps |
| Strontium | 86-1 | 18478 | 18825 | 18942 | 18749 | 1.29 | cps |
| Strontium | 88-1 | 161824 | 165467 | 166634 | 164642 | 1.52 | cps |
| Sulfur | 34-1 | 89842 | 90194 | 88135 | 89390 | 1.23 | cps |
| Terbium | 159-1 | 5583735 | 5612671 | 5558255 | 5584887 | 0.49 | cps |
| Terbium | 159-2 | 3584924 | 3620112 | 3724437 | 3643157 | 1.99 | cps |
| Thallium | 203-1 | 137 | 97 | 123 | 119 | 17.13 | cps |
| Thallium | 205-1 | 290 | 277 | 270 | 279 | 3.65 | cps |
| Tin | 118-1 | 4344 | 4454 | 4561 | 4453 | 2.43 | cps |
| Titanium | 47-1 | 35452 | 36461 | 36163 | 36025 | 1.44 | cps |



1230

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05LDLX20 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494L | Dilution Factor : | 20 |
| Date & Time Acquired : | 2024-10-30 19:29:09 | DataFile Name : | 133SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 717 | 753 | 757 | 742 | 2.99 | cps |
| Vanadium | 51-2 | 20130 | 19960 | 20147 | 20079 | 0.52 | cps |
| Yttrium | 89-1 | 7260568 | 7303378 | 7299481 | 7287809 | 0.32 | cps |
| Yttrium | 89-2 | 2118918 | 2146550 | 2154684 | 2140050 | 0.88 | cps |
| Zinc | 66-2 | 5118 | 5311 | 4991 | 5140 | 3.14 | cps |
| Zirconium | 90-1 | 8082 | 8239 | 8276 | 8199 | 1.25 | cps |
| Zirconium | 91-1 | 1873 | 1807 | 1873 | 1851 | 2.08 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-07DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:32:27 | DataFile Name : | 134SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1763368 | 1749041 | 1746808 | 1753072 | 0.51 | cps |
| Antimony | 121-1 | 88745 | 88212 | 89161 | 88706 | 0.54 | cps |
| Arsenic | 75-2 | 11351 | 11828 | 11214 | 11465 | 2.81 | cps |
| Barium | 135-1 | 601718 | 607898 | 619955 | 609857 | 1.52 | cps |
| Barium | 137-1 | 1038734 | 1079705 | 1097211 | 1071883 | 2.80 | cps |
| Beryllium | 9-1 | 4714 | 5231 | 4807 | 4917 | 5.60 | cps |
| Bismuth | 209-1 | 3578686 | 3447071 | 3281428 | 3435728 | 4.34 | cps |
| Bismuth | 209-2 | 2639039 | 2668655 | 2637068 | 2648254 | 0.67 | cps |
| Bromine | 81-1 | 5458 | 5294 | 5478 | 5410 | 1.86 | cps |
| Bromine | 81-2 | 130 | 223 | 187 | 180 | 26.12 | cps |
| Cadmium | 108-1 | 650 | 747 | 713 | 703 | 6.98 | cps |
| Cadmium | 106-1 | 1857 | 1960 | 1827 | 1881 | 3.72 | cps |
| Cadmium | 111-1 | 11132 | 11187 | 11000 | 11106 | 0.86 | cps |
| Calcium | 43-1 | 93939 | 92778 | 93818 | 93512 | 0.68 | cps |
| Calcium | 44-1 | 1469858 | 1449743 | 1453840 | 1457814 | 0.73 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 148028 | 149701 | 147914 | 148548 | 0.67 | cps |
| Cobalt | 59-2 | 363020 | 365976 | 364819 | 364605 | 0.41 | cps |
| Copper | 63-2 | 231694 | 233173 | 231681 | 232183 | 0.37 | cps |
| Dysprosium | 156-1 | 9390 | 9503 | 9717 | 9537 | 1.74 | cps |
| Dysprosium | 156-2 | 8356 | 8266 | 8356 | 8326 | 0.62 | cps |
| Erbium | 164-1 | 7372 | 7422 | 7442 | 7412 | 0.49 | cps |
| Erbium | 164-2 | 5248 | 5234 | 5048 | 5177 | 2.16 | cps |
| Gadolinium | 160-1 | 8936 | 9186 | 9236 | 9120 | 1.76 | cps |
| Gadolinium | 160-2 | 6805 | 6808 | 6905 | 6840 | 0.83 | cps |
| Holmium | 165-1 | 5477562 | 5427751 | 5070930 | 5325414 | 4.16 | cps |
| Holmium | 165-2 | 3774455 | 3850345 | 3780555 | 3801785 | 1.11 | cps |
| Indium | 115-1 | 4344333 | 4439455 | 4155714 | 4313167 | 3.35 | cps |
| Indium | 115-2 | 1672967 | 1654994 | 1668361 | 1665441 | 0.56 | cps |
| Iron | 56-2 | 52432441 | 52611491 | 52548129 | 52530687 | 0.17 | cps |
| Iron | 57-2 | 1328339 | 1331589 | 1331675 | 1330534 | 0.14 | cps |
| Iron | 54-2 | 2948812 | 2970095 | 2962975 | 2960627 | 0.37 | cps |
| Krypton | 83-1 | 243 | 193 | 153 | 197 | 22.93 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-07DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:32:27 | DataFile Name : | 134SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 49349 | 49841 | 50125 | 49772 | 0.79 | cps |
| Lead | 207-1 | 41968 | 43433 | 44238 | 43213 | 2.66 | cps |
| Lead | 208-1 | 197266 | 198723 | 198674 | 198221 | 0.42 | cps |
| Lithium | 6-1 | 544420 | 516726 | 491141 | 517429 | 5.15 | cps |
| Magnesium | 24-2 | 1265106 | 1282858 | 1278077 | 1275347 | 0.72 | cps |
| Manganese | 55-2 | 1058819 | 1058505 | 1052673 | 1056665 | 0.33 | cps |
| Molybdenum | 94-1 | 15792 | 15255 | 15702 | 15583 | 1.85 | cps |
| Molybdenum | 95-1 | 683 | 773 | 740 | 732 | 6.21 | cps |
| Molybdenum | 96-1 | 3917 | 4104 | 4001 | 4007 | 2.33 | cps |
| Molybdenum | 97-1 | 460 | 447 | 480 | 462 | 3.63 | cps |
| Molybdenum | 98-1 | 1077 | 1257 | 1183 | 1172 | 7.72 | cps |
| Neodymium | 150-1 | 19640 | 19353 | 19430 | 19475 | 0.76 | cps |
| Neodymium | 150-2 | 11305 | 11488 | 11642 | 11478 | 1.47 | cps |
| Nickel | 60-2 | 107341 | 106505 | 106085 | 106644 | 0.60 | cps |
| Phosphorus | 31-2 | 5018 | 5244 | 5351 | 5204 | 3.27 | cps |
| Potassium | 39-2 | 842945 | 841444 | 843045 | 842478 | 0.11 | cps |
| Rhodium | 103-1 | 4185711 | 4096845 | 3956608 | 4079721 | 2.83 | cps |
| Rhodium | 103-2 | 2740529 | 2742108 | 2745845 | 2742827 | 0.10 | cps |
| Scandium | 45-1 | 2408334 | 2405643 | 2258566 | 2357514 | 3.64 | cps |
| Scandium | 45-2 | 270092 | 269240 | 267871 | 269068 | 0.42 | cps |
| Selenium | 82-1 | 1446 | 1635 | 1762 | 1614 | 9.85 | cps |
| Selenium | 77-2 | 203 | 200 | 207 | 203 | 1.64 | cps |
| Selenium | 78-2 | 890 | 833 | 913 | 879 | 4.68 | cps |
| Silicon | 28-1 | 2256174 | 2249748 | 2291984 | 2265969 | 1.00 | cps |
| Silver | 107-1 | 44093 | 44056 | 45411 | 44520 | 1.73 | cps |
| Silver | 109-1 | 40232 | 43696 | 42947 | 42292 | 4.31 | cps |
| Sodium | 23-2 | 66978 | 68475 | 67825 | 67759 | 1.11 | cps |
| Strontium | 86-1 | 93347 | 97060 | 97886 | 96098 | 2.52 | cps |
| Strontium | 88-1 | 838643 | 850855 | 854653 | 848050 | 0.99 | cps |
| Sulfur | 34-1 | 92746 | 91133 | 90834 | 91571 | 1.12 | cps |
| Terbium | 159-1 | 5686539 | 5754906 | 5461816 | 5634421 | 2.72 | cps |
| Terbium | 159-2 | 3827166 | 3760714 | 3700646 | 3762842 | 1.68 | cps |
| Thallium | 203-1 | 34921 | 35463 | 35911 | 35432 | 1.40 | cps |
| Thallium | 205-1 | 84236 | 82931 | 82968 | 83378 | 0.89 | cps |
| Tin | 118-1 | 6071 | 6035 | 6071 | 6059 | 0.35 | cps |
| Titanium | 47-1 | 181563 | 185853 | 186105 | 184507 | 1.38 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-07DLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494S | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:32:27 | DataFile Name : | 134SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 3761 | 3904 | 4224 | 3963 | 5.99 | cps |
| Vanadium | 51-2 | 295058 | 297173 | 295116 | 295782 | 0.41 | cps |
| Yttrium | 89-1 | 7655126 | 7479732 | 6965241 | 7366700 | 4.87 | cps |
| Yttrium | 89-2 | 2215817 | 2214382 | 2197754 | 2209318 | 0.45 | cps |
| Zinc | 66-2 | 59793 | 59933 | 59511 | 59746 | 0.36 | cps |
| Zirconium | 90-1 | 40696 | 41034 | 40837 | 40856 | 0.42 | cps |
| Zirconium | 91-1 | 8859 | 9863 | 9943 | 9555 | 6.32 | cps |



1234

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:35:39 | DataFile Name : | 135SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1814667 | 1809914 | 1786913 | 1803831 | 0.82 | cps |
| Antimony | 121-1 | 365750 | 377402 | 376991 | 373381 | 1.77 | cps |
| Arsenic | 75-2 | 18682 | 18478 | 18351 | 18504 | 0.90 | cps |
| Barium | 135-1 | 2154171 | 2137540 | 2122617 | 2138110 | 0.74 | cps |
| Barium | 137-1 | 3662485 | 3771524 | 3832990 | 3755666 | 2.30 | cps |
| Beryllium | 9-1 | 20070 | 20510 | 20467 | 20349 | 1.19 | cps |
| Bismuth | 209-1 | 3536791 | 3482326 | 3517270 | 3512129 | 0.79 | cps |
| Bismuth | 209-2 | 2606262 | 2684998 | 2669097 | 2653452 | 1.57 | cps |
| Bromine | 81-1 | 5378 | 5538 | 5384 | 5433 | 1.67 | cps |
| Bromine | 81-2 | 190 | 210 | 183 | 194 | 7.14 | cps |
| Cadmium | 108-1 | 2910 | 3024 | 3060 | 2998 | 2.61 | cps |
| Cadmium | 106-1 | 4924 | 4958 | 5004 | 4962 | 0.81 | cps |
| Cadmium | 111-1 | 44815 | 45220 | 45551 | 45195 | 0.82 | cps |
| Calcium | 43-1 | 88500 | 90045 | 90719 | 89755 | 1.27 | cps |
| Calcium | 44-1 | 1415864 | 1438311 | 1465667 | 1439948 | 1.73 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 423871 | 425401 | 422053 | 423775 | 0.40 | cps |
| Cobalt | 59-2 | 1427007 | 1394765 | 1450470 | 1424081 | 1.96 | cps |
| Copper | 63-2 | 582756 | 582141 | 574412 | 579770 | 0.80 | cps |
| Dysprosium | 156-1 | 8950 | 9417 | 9297 | 9221 | 2.63 | cps |
| Dysprosium | 156-2 | 8082 | 8069 | 8202 | 8118 | 0.91 | cps |
| Erbium | 164-1 | 7212 | 7325 | 7245 | 7261 | 0.80 | cps |
| Erbium | 164-2 | 4768 | 4918 | 5018 | 4901 | 2.57 | cps |
| Gadolinium | 160-1 | 8586 | 8910 | 8810 | 8768 | 1.89 | cps |
| Gadolinium | 160-2 | 6432 | 6402 | 6445 | 6426 | 0.35 | cps |
| Holmium | 165-1 | 5527431 | 5602025 | 5604960 | 5578139 | 0.79 | cps |
| Holmium | 165-2 | 3763722 | 3771595 | 3775637 | 3770318 | 0.16 | cps |
| Indium | 115-1 | 4418415 | 4429716 | 4451494 | 4433208 | 0.38 | cps |
| Indium | 115-2 | 1647618 | 1636912 | 1670560 | 1651697 | 1.04 | cps |
| Iron | 56-2 | 52146593 | 52147773 | 51119739 | 51804701 | 1.15 | cps |
| Iron | 57-2 | 1311240 | 1303679 | 1304105 | 1306342 | 0.33 | cps |
| Iron | 54-2 | 2893071 | 2862615 | 2878786 | 2878158 | 0.53 | cps |
| Krypton | 83-1 | 220 | 193 | 200 | 204 | 6.79 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:35:39 | DataFile Name : | 135SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 87040 | 89190 | 87861 | 88030 | 1.23 | cps |
| Lead | 207-1 | 74845 | 75334 | 76997 | 75725 | 1.49 | cps |
| Lead | 208-1 | 341156 | 348197 | 345255 | 344869 | 1.03 | cps |
| Lithium | 6-1 | 526266 | 533074 | 527320 | 528887 | 0.69 | cps |
| Magnesium | 24-2 | 1213875 | 1220886 | 1204397 | 1213052 | 0.68 | cps |
| Manganese | 55-2 | 1518683 | 1517773 | 1490663 | 1509040 | 1.06 | cps |
| Molybdenum | 94-1 | 15138 | 15405 | 15572 | 15372 | 1.42 | cps |
| Molybdenum | 95-1 | 783 | 817 | 893 | 831 | 6.79 | cps |
| Molybdenum | 96-1 | 3804 | 3557 | 3884 | 3748 | 4.54 | cps |
| Molybdenum | 97-1 | 427 | 447 | 437 | 437 | 2.29 | cps |
| Molybdenum | 98-1 | 1263 | 1140 | 1183 | 1196 | 5.23 | cps |
| Neodymium | 150-1 | 18606 | 19120 | 18980 | 18902 | 1.41 | cps |
| Neodymium | 150-2 | 11104 | 10981 | 11088 | 11058 | 0.61 | cps |
| Nickel | 60-2 | 367116 | 369849 | 366386 | 367784 | 0.50 | cps |
| Phosphorus | 31-2 | 4894 | 5111 | 5118 | 5041 | 2.52 | cps |
| Potassium | 39-2 | 806065 | 805764 | 798398 | 803409 | 0.54 | cps |
| Rhodium | 103-1 | 4129163 | 4127777 | 4127812 | 4128251 | 0.02 | cps |
| Rhodium | 103-2 | 2745231 | 2716633 | 2790076 | 2750647 | 1.35 | cps |
| Scandium | 45-1 | 2395455 | 2462316 | 2437833 | 2431868 | 1.39 | cps |
| Scandium | 45-2 | 266797 | 267480 | 265301 | 266526 | 0.42 | cps |
| Selenium | 82-1 | 6074 | 6176 | 6187 | 6145 | 1.01 | cps |
| Selenium | 77-2 | 717 | 837 | 727 | 760 | 8.76 | cps |
| Selenium | 78-2 | 2557 | 2630 | 2724 | 2637 | 3.17 | cps |
| Silicon | 28-1 | 2161784 | 2212392 | 2244855 | 2206344 | 1.90 | cps |
| Silver | 107-1 | 151436 | 150930 | 151912 | 151426 | 0.32 | cps |
| Silver | 109-1 | 140029 | 165155 | 149278 | 151487 | 8.39 | cps |
| Sodium | 23-2 | 66111 | 66021 | 65445 | 65859 | 0.55 | cps |
| Strontium | 86-1 | 92532 | 92918 | 93800 | 93083 | 0.70 | cps |
| Strontium | 88-1 | 798725 | 821257 | 812726 | 810903 | 1.40 | cps |
| Sulfur | 34-1 | 91196 | 89392 | 89956 | 90182 | 1.02 | cps |
| Terbium | 159-1 | 5636386 | 5768294 | 5585763 | 5663481 | 1.66 | cps |
| Terbium | 159-2 | 3696797 | 3777763 | 3786006 | 3753522 | 1.31 | cps |
| Thallium | 203-1 | 151597 | 152597 | 152736 | 152310 | 0.41 | cps |
| Thallium | 205-1 | 353843 | 363009 | 359618 | 358823 | 1.29 | cps |
| Tin | 118-1 | 5768 | 5998 | 5995 | 5920 | 2.23 | cps |
| Titanium | 47-1 | 174501 | 180041 | 179603 | 178048 | 1.73 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05MSDLX4 | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494SRE | Dilution Factor : | 4 |
| Date & Time Acquired : | 2024-10-30 19:35:39 | DataFile Name : | 135SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 3617 | 3684 | 3674 | 3658 | 0.98 | cps |
| Vanadium | 51-2 | 907322 | 906673 | 904072 | 906022 | 0.19 | cps |
| Yttrium | 89-1 | 7415894 | 7519134 | 7346692 | 7427240 | 1.17 | cps |
| Yttrium | 89-2 | 2228891 | 2165052 | 2234434 | 2209459 | 1.75 | cps |
| Zinc | 66-2 | 180298 | 179334 | 180251 | 179961 | 0.30 | cps |
| Zirconium | 90-1 | 39717 | 40362 | 40175 | 40085 | 0.83 | cps |
| Zirconium | 91-1 | 8859 | 9073 | 8923 | 8952 | 1.22 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04A | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:38:49 | DataFile Name : | 136SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 5096073 | 5059033 | 5057085 | 5070730 | 0.43 | cps |
| Antimony | 121-1 | 14170 | 14507 | 14851 | 14510 | 2.35 | cps |
| Arsenic | 75-2 | 76867 | 76844 | 76094 | 76602 | 0.57 | cps |
| Barium | 135-1 | 690519 | 705371 | 707786 | 701225 | 1.33 | cps |
| Barium | 137-1 | 1194640 | 1216613 | 1222873 | 1211375 | 1.22 | cps |
| Beryllium | 9-1 | 867 | 843 | 863 | 858 | 1.47 | cps |
| Bismuth | 209-1 | 3433002 | 3576209 | 3527010 | 3512074 | 2.07 | cps |
| Bismuth | 209-2 | 2683957 | 2670679 | 2660413 | 2671683 | 0.44 | cps |
| Bromine | 81-1 | 6632 | 6902 | 6848 | 6794 | 2.11 | cps |
| Bromine | 81-2 | 497 | 510 | 590 | 532 | 9.49 | cps |
| Cadmium | 108-1 | 233 | 290 | 267 | 263 | 10.82 | cps |
| Cadmium | 106-1 | 1450 | 1513 | 1470 | 1478 | 2.19 | cps |
| Cadmium | 111-1 | 3572 | 3570 | 3696 | 3613 | 2.00 | cps |
| Calcium | 43-1 | 163427 | 167211 | 167453 | 166031 | 1.36 | cps |
| Calcium | 44-1 | 2595859 | 2636532 | 2671761 | 2634717 | 1.44 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 225915 | 223911 | 224392 | 224739 | 0.47 | cps |
| Cobalt | 59-2 | 182482 | 181693 | 182205 | 182127 | 0.22 | cps |
| Copper | 63-2 | 892831 | 892658 | 893722 | 893070 | 0.06 | cps |
| Dysprosium | 156-1 | 35679 | 37025 | 37269 | 36658 | 2.34 | cps |
| Dysprosium | 156-2 | 32250 | 32581 | 32314 | 32382 | 0.54 | cps |
| Erbium | 164-1 | 28245 | 29291 | 29842 | 29126 | 2.78 | cps |
| Erbium | 164-2 | 20105 | 19844 | 20388 | 20112 | 1.35 | cps |
| Gadolinium | 160-1 | 34034 | 35231 | 35615 | 34960 | 2.36 | cps |
| Gadolinium | 160-2 | 25590 | 25477 | 25470 | 25512 | 0.26 | cps |
| Holmium | 165-1 | 5492355 | 5656888 | 5595867 | 5581704 | 1.49 | cps |
| Holmium | 165-2 | 3843577 | 3852499 | 3817175 | 3837750 | 0.48 | cps |
| Indium | 115-1 | 4370765 | 4433349 | 4424302 | 4409472 | 0.77 | cps |
| Indium | 115-2 | 1689657 | 1628836 | 1648516 | 1655670 | 1.87 | cps |
| Iron | 56-2 | 195876897 | 194959577 | 194777197 | 195204557 | 0.30 | cps |
| Iron | 57-2 | 4874203 | 4766574 | 4798668 | 4813148 | 1.15 | cps |
| Iron | 54-2 | 10826712 | 10707989 | 10725043 | 10753248 | 0.60 | cps |
| Krypton | 83-1 | 223 | 203 | 237 | 221 | 7.59 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04A | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:38:49 | DataFile Name : | 136SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 328562 | 338680 | 335459 | 334234 | 1.55 | cps |
| Lead | 207-1 | 285537 | 290238 | 292122 | 289299 | 1.17 | cps |
| Lead | 208-1 | 1297017 | 1328887 | 1326447 | 1317450 | 1.35 | cps |
| Lithium | 6-1 | 530117 | 537033 | 532425 | 533192 | 0.66 | cps |
| Magnesium | 24-2 | 3994900 | 3958620 | 4005557 | 3986359 | 0.62 | cps |
| Manganese | 55-2 | 5820575 | 5882808 | 5839348 | 5847577 | 0.55 | cps |
| Molybdenum | 94-1 | 43324 | 45673 | 44594 | 44530 | 2.64 | cps |
| Molybdenum | 95-1 | 5324 | 5348 | 5501 | 5391 | 1.78 | cps |
| Molybdenum | 96-1 | 14227 | 14214 | 14204 | 14215 | 0.08 | cps |
| Molybdenum | 97-1 | 3320 | 3444 | 3364 | 3376 | 1.85 | cps |
| Molybdenum | 98-1 | 8059 | 8839 | 8446 | 8448 | 4.62 | cps |
| Neodymium | 150-1 | 69892 | 72471 | 71718 | 71360 | 1.86 | cps |
| Neodymium | 150-2 | 42507 | 42079 | 42507 | 42365 | 0.58 | cps |
| Nickel | 60-2 | 77790 | 79439 | 78420 | 78550 | 1.06 | cps |
| Phosphorus | 31-2 | 24199 | 24520 | 24897 | 24539 | 1.42 | cps |
| Potassium | 39-2 | 3796800 | 3810595 | 3784707 | 3797367 | 0.34 | cps |
| Rhodium | 103-1 | 4036245 | 4101793 | 4037613 | 4058550 | 0.92 | cps |
| Rhodium | 103-2 | 2763881 | 2719335 | 2734283 | 2739166 | 0.83 | cps |
| Scandium | 45-1 | 2463998 | 2515219 | 2483995 | 2487737 | 1.04 | cps |
| Scandium | 45-2 | 279372 | 278061 | 279183 | 278872 | 0.25 | cps |
| Selenium | 82-1 | 368 | 378 | 368 | 371 | 1.55 | cps |
| Selenium | 77-2 | 160 | 160 | 137 | 152 | 8.85 | cps |
| Selenium | 78-2 | 480 | 433 | 387 | 433 | 10.77 | cps |
| Silicon | 28-1 | 12007106 | 12141639 | 12337446 | 12162063 | 1.37 | cps |
| Silver | 107-1 | 12002 | 11962 | 12112 | 12025 | 0.65 | cps |
| Silver | 109-1 | 11445 | 10921 | 11458 | 11274 | 2.72 | cps |
| Sodium | 23-2 | 113306 | 113747 | 114374 | 113809 | 0.47 | cps |
| Strontium | 86-1 | 176027 | 178433 | 178284 | 177581 | 0.76 | cps |
| Strontium | 88-1 | 1626438 | 1638346 | 1621682 | 1628822 | 0.53 | cps |
| Sulfur | 34-1 | 96260 | 94664 | 93879 | 94934 | 1.28 | cps |
| Terbium | 159-1 | 5626828 | 5753254 | 5711606 | 5697230 | 1.13 | cps |
| Terbium | 159-2 | 3856214 | 3797798 | 3821645 | 3825219 | 0.77 | cps |
| Thallium | 203-1 | 1620 | 1763 | 1813 | 1732 | 5.79 | cps |
| Thallium | 205-1 | 4431 | 4297 | 4341 | 4356 | 1.56 | cps |
| Tin | 118-1 | 10807 | 11278 | 11281 | 11122 | 2.45 | cps |
| Titanium | 47-1 | 630703 | 647028 | 647772 | 641835 | 1.50 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4477-04A | Instrumnet Name : | P7 |
| Client Sample ID : | MYE453ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:38:49 | DataFile Name : | 136SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 20793 | 20459 | 20379 | 20544 | 1.07 | cps |
| Vanadium | 51-2 | 368517 | 367517 | 368758 | 368264 | 0.18 | cps |
| Yttrium | 89-1 | 7752351 | 7881772 | 7612447 | 7748857 | 1.74 | cps |
| Yttrium | 89-2 | 2342418 | 2281954 | 2321291 | 2315221 | 1.33 | cps |
| Zinc | 66-2 | 139343 | 140457 | 138825 | 139542 | 0.60 | cps |
| Zirconium | 90-1 | 109767 | 111345 | 112158 | 111090 | 1.09 | cps |
| Zirconium | 91-1 | 24571 | 24634 | 24607 | 24604 | 0.13 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12A | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:41:58 | DataFile Name : | 137SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6608421 | 6600086 | 6603831 | 6604113 | 0.06 | cps |
| Antimony | 121-1 | 7946 | 8339 | 8456 | 8247 | 3.24 | cps |
| Arsenic | 75-2 | 44650 | 44336 | 44948 | 44645 | 0.69 | cps |
| Barium | 135-1 | 725784 | 734427 | 741027 | 733746 | 1.04 | cps |
| Barium | 137-1 | 1262895 | 1281053 | 1279452 | 1274467 | 0.79 | cps |
| Beryllium | 9-1 | 847 | 943 | 910 | 900 | 5.46 | cps |
| Bismuth | 209-1 | 3540746 | 3530693 | 3412731 | 3494723 | 2.04 | cps |
| Bismuth | 209-2 | 2646793 | 2679378 | 2668113 | 2664761 | 0.62 | cps |
| Bromine | 81-1 | 6968 | 6678 | 6662 | 6769 | 2.55 | cps |
| Bromine | 81-2 | 503 | 510 | 530 | 514 | 2.70 | cps |
| Cadmium | 108-1 | 293 | 243 | 283 | 273 | 9.68 | cps |
| Cadmium | 106-1 | 1503 | 1503 | 1303 | 1437 | 8.04 | cps |
| Cadmium | 111-1 | 3074 | 3022 | 2978 | 3025 | 1.59 | cps |
| Calcium | 43-1 | 298037 | 302008 | 304106 | 301384 | 1.02 | cps |
| Calcium | 44-1 | 4743456 | 4749278 | 4794300 | 4762344 | 0.58 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 281738 | 279855 | 280182 | 280592 | 0.36 | cps |
| Cobalt | 59-2 | 196266 | 196466 | 196426 | 196386 | 0.05 | cps |
| Copper | 63-2 | 837018 | 835906 | 835947 | 836290 | 0.08 | cps |
| Dysprosium | 156-1 | 40465 | 40040 | 40104 | 40203 | 0.57 | cps |
| Dysprosium | 156-2 | 35094 | 35685 | 35522 | 35434 | 0.86 | cps |
| Erbium | 164-1 | 33016 | 33644 | 32952 | 33204 | 1.15 | cps |
| Erbium | 164-2 | 22435 | 22411 | 22665 | 22504 | 0.62 | cps |
| Gadolinium | 160-1 | 38904 | 39115 | 39268 | 39096 | 0.47 | cps |
| Gadolinium | 160-2 | 27674 | 27654 | 28897 | 28075 | 2.53 | cps |
| Holmium | 165-1 | 5607038 | 5647490 | 5580178 | 5611569 | 0.60 | cps |
| Holmium | 165-2 | 3815574 | 3867959 | 3743153 | 3808895 | 1.65 | cps |
| Indium | 115-1 | 4448894 | 4443465 | 4357983 | 4416781 | 1.15 | cps |
| Indium | 115-2 | 1660782 | 1677384 | 1668866 | 1669011 | 0.50 | cps |
| Iron | 56-2 | 207685564 | 205264257 | 208181530 | 207043784 | 0.75 | cps |
| Iron | 57-2 | 5118888 | 5114073 | 5140601 | 5124521 | 0.28 | cps |
| Iron | 54-2 | 11443081 | 11330521 | 11494745 | 11422782 | 0.74 | cps |
| Krypton | 83-1 | 133 | 187 | 197 | 172 | 19.77 | cps |

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|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12A | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:41:58 | DataFile Name : | 137SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 281862 | 283857 | 285394 | 283704 | 0.62 | cps |
| Lead | 207-1 | 244272 | 245368 | 246735 | 245458 | 0.50 | cps |
| Lead | 208-1 | 1112306 | 1121511 | 1122102 | 1118640 | 0.49 | cps |
| Lithium | 6-1 | 529429 | 522451 | 532001 | 527960 | 0.94 | cps |
| Magnesium | 24-2 | 4944810 | 4883844 | 4848943 | 4892532 | 0.99 | cps |
| Manganese | 55-2 | 6024608 | 5905404 | 6064786 | 5998266 | 1.38 | cps |
| Molybdenum | 94-1 | 58684 | 59504 | 60702 | 59630 | 1.70 | cps |
| Molybdenum | 95-1 | 3797 | 3724 | 3857 | 3793 | 1.76 | cps |
| Molybdenum | 96-1 | 15168 | 15665 | 15358 | 15397 | 1.63 | cps |
| Molybdenum | 97-1 | 2060 | 2330 | 2227 | 2206 | 6.18 | cps |
| Molybdenum | 98-1 | 5765 | 5825 | 5765 | 5785 | 0.60 | cps |
| Neodymium | 150-1 | 76513 | 78480 | 78152 | 77715 | 1.36 | cps |
| Neodymium | 150-2 | 46794 | 45754 | 45593 | 46047 | 1.42 | cps |
| Nickel | 60-2 | 95666 | 93969 | 95586 | 95074 | 1.01 | cps |
| Phosphorus | 31-2 | 16512 | 17103 | 16089 | 16568 | 3.08 | cps |
| Potassium | 39-2 | 3273157 | 3341304 | 3269378 | 3294613 | 1.23 | cps |
| Rhodium | 103-1 | 4134216 | 4079756 | 4110969 | 4108314 | 0.67 | cps |
| Rhodium | 103-2 | 2818148 | 2778742 | 2752126 | 2783005 | 1.19 | cps |
| Scandium | 45-1 | 2579795 | 2572088 | 2564338 | 2572073 | 0.30 | cps |
| Scandium | 45-2 | 285199 | 283356 | 282733 | 283763 | 0.45 | cps |
| Selenium | 82-1 | 430 | 392 | 407 | 410 | 4.58 | cps |
| Selenium | 77-2 | 170 | 127 | 87 | 128 | 32.62 | cps |
| Selenium | 78-2 | 460 | 477 | 440 | 459 | 4.00 | cps |
| Silicon | 28-1 | 13412872 | 13655821 | 13619651 | 13562781 | 0.97 | cps |
| Silver | 107-1 | 11304 | 11711 | 11405 | 11474 | 1.85 | cps |
| Silver | 109-1 | 10657 | 10787 | 10891 | 10779 | 1.09 | cps |
| Sodium | 23-2 | 131590 | 131509 | 131933 | 131677 | 0.17 | cps |
| Strontium | 86-1 | 168093 | 170298 | 170847 | 169746 | 0.86 | cps |
| Strontium | 88-1 | 1539370 | 1579176 | 1573120 | 1563889 | 1.37 | cps |
| Sulfur | 34-1 | 91713 | 91016 | 92279 | 91669 | 0.69 | cps |
| Terbium | 159-1 | 5792554 | 5858142 | 5742814 | 5797837 | 1.00 | cps |
| Terbium | 159-2 | 3835033 | 3784579 | 3799695 | 3806436 | 0.68 | cps |
| Thallium | 203-1 | 1780 | 1957 | 1850 | 1862 | 4.78 | cps |
| Thallium | 205-1 | 4501 | 4594 | 4758 | 4617 | 2.81 | cps |
| Tin | 118-1 | 11681 | 11468 | 11775 | 11641 | 1.35 | cps |
| Titanium | 47-1 | 736298 | 746823 | 752710 | 745277 | 1.12 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4479-12A | Instrumnet Name : | P7 |
| Client Sample ID : | MYE481ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:41:58 | DataFile Name : | 137SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14561 | 14735 | 14344 | 14547 | 1.34 | cps |
| Vanadium | 51-2 | 402565 | 404559 | 404115 | 403746 | 0.26 | cps |
| Yttrium | 89-1 | 7841474 | 7819776 | 7928168 | 7863139 | 0.73 | cps |
| Yttrium | 89-2 | 2340739 | 2336973 | 2337805 | 2338506 | 0.08 | cps |
| Zinc | 66-2 | 122007 | 121829 | 121019 | 121618 | 0.43 | cps |
| Zirconium | 90-1 | 152048 | 158202 | 157455 | 155902 | 2.15 | cps |
| Zirconium | 91-1 | 33999 | 34781 | 34898 | 34560 | 1.41 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05A | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:45:09 | DataFile Name : | 138SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6690169 | 6731554 | 6741332 | 6721019 | 0.40 | cps |
| Antimony | 121-1 | 8646 | 9103 | 8503 | 8751 | 3.58 | cps |
| Arsenic | 75-2 | 36812 | 36809 | 37861 | 37161 | 1.63 | cps |
| Barium | 135-1 | 779747 | 794673 | 787680 | 787366 | 0.95 | cps |
| Barium | 137-1 | 1338737 | 1367950 | 1376876 | 1361187 | 1.47 | cps |
| Beryllium | 9-1 | 823 | 903 | 873 | 867 | 4.66 | cps |
| Bismuth | 209-1 | 3486551 | 3480474 | 3416560 | 3461195 | 1.12 | cps |
| Bismuth | 209-2 | 2610740 | 2687121 | 2614113 | 2637325 | 1.64 | cps |
| Bromine | 81-1 | 6758 | 6955 | 7232 | 6982 | 3.41 | cps |
| Bromine | 81-2 | 583 | 633 | 580 | 599 | 4.99 | cps |
| Cadmium | 108-1 | 233 | 187 | 230 | 217 | 12.02 | cps |
| Cadmium | 106-1 | 1250 | 1267 | 1220 | 1246 | 1.90 | cps |
| Cadmium | 111-1 | 1738 | 1766 | 1703 | 1736 | 1.82 | cps |
| Calcium | 43-1 | 364392 | 370158 | 369292 | 367947 | 0.85 | cps |
| Calcium | 44-1 | 5750963 | 5801497 | 5866848 | 5806436 | 1.00 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 247059 | 245905 | 248653 | 247205 | 0.56 | cps |
| Cobalt | 59-2 | 176478 | 174415 | 176515 | 175803 | 0.68 | cps |
| Copper | 63-2 | 488143 | 485220 | 488000 | 487121 | 0.34 | cps |
| Dysprosium | 156-1 | 38138 | 37898 | 38051 | 38029 | 0.32 | cps |
| Dysprosium | 156-2 | 33323 | 34202 | 33714 | 33746 | 1.30 | cps |
| Erbium | 164-1 | 29939 | 30396 | 30644 | 30326 | 1.18 | cps |
| Erbium | 164-2 | 20084 | 20215 | 20335 | 20211 | 0.62 | cps |
| Gadolinium | 160-1 | 35886 | 36534 | 37326 | 36582 | 1.97 | cps |
| Gadolinium | 160-2 | 25737 | 25944 | 25884 | 25855 | 0.41 | cps |
| Holmium | 165-1 | 5611671 | 5655687 | 5581322 | 5616227 | 0.67 | cps |
| Holmium | 165-2 | 3813401 | 3844855 | 3847256 | 3835171 | 0.49 | cps |
| Indium | 115-1 | 4342659 | 4469641 | 4408002 | 4406767 | 1.44 | cps |
| Indium | 115-2 | 1649187 | 1653905 | 1648967 | 1650686 | 0.17 | cps |
| Iron | 56-2 | 207471230 | 209686470 | 209417804 | 208858501 | 0.58 | cps |
| Iron | 57-2 | 5169505 | 5242924 | 5158434 | 5190288 | 0.88 | cps |
| Iron | 54-2 | 11537859 | 11630064 | 11597281 | 11588401 | 0.40 | cps |
| Krypton | 83-1 | 233 | 213 | 287 | 244 | 15.51 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05A | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:45:09 | DataFile Name : | 138SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 154420 | 155495 | 156604 | 155506 | 0.70 | cps |
| Lead | 207-1 | 130917 | 133327 | 133913 | 132719 | 1.20 | cps |
| Lead | 208-1 | 601167 | 609093 | 611373 | 607211 | 0.88 | cps |
| Lithium | 6-1 | 507387 | 509274 | 509396 | 508686 | 0.22 | cps |
| Magnesium | 24-2 | 5097309 | 5002145 | 5113432 | 5070962 | 1.19 | cps |
| Manganese | 55-2 | 3614390 | 3710812 | 3623800 | 3649667 | 1.46 | cps |
| Molybdenum | 94-1 | 63430 | 64247 | 64806 | 64161 | 1.08 | cps |
| Molybdenum | 95-1 | 2794 | 3010 | 2874 | 2893 | 3.79 | cps |
| Molybdenum | 96-1 | 15041 | 15358 | 15855 | 15418 | 2.66 | cps |
| Molybdenum | 97-1 | 1860 | 1837 | 1907 | 1868 | 1.91 | cps |
| Molybdenum | 98-1 | 4734 | 4557 | 4744 | 4679 | 2.25 | cps |
| Neodymium | 150-1 | 76439 | 77883 | 78329 | 77551 | 1.27 | cps |
| Neodymium | 150-2 | 45503 | 45888 | 46292 | 45894 | 0.86 | cps |
| Nickel | 60-2 | 100525 | 101017 | 101944 | 101162 | 0.71 | cps |
| Phosphorus | 31-2 | 20253 | 20190 | 20494 | 20312 | 0.79 | cps |
| Potassium | 39-2 | 3001652 | 3006214 | 3034922 | 3014262 | 0.60 | cps |
| Rhodium | 103-1 | 4064352 | 4103074 | 4123549 | 4096991 | 0.73 | cps |
| Rhodium | 103-2 | 2740459 | 2777145 | 2712229 | 2743278 | 1.19 | cps |
| Scandium | 45-1 | 2508534 | 2538888 | 2548768 | 2532063 | 0.83 | cps |
| Scandium | 45-2 | 287930 | 284797 | 288528 | 287085 | 0.70 | cps |
| Selenium | 82-1 | 333 | 337 | 248 | 306 | 16.49 | cps |
| Selenium | 77-2 | 130 | 193 | 130 | 151 | 24.20 | cps |
| Selenium | 78-2 | 457 | 483 | 410 | 450 | 8.25 | cps |
| Silicon | 28-1 | 10346845 | 10672146 | 10541639 | 10520210 | 1.56 | cps |
| Silver | 107-1 | 7986 | 8362 | 8186 | 8178 | 2.31 | cps |
| Silver | 109-1 | 7755 | 8039 | 7752 | 7849 | 2.10 | cps |
| Sodium | 23-2 | 199765 | 199641 | 199888 | 199765 | 0.06 | cps |
| Strontium | 86-1 | 375347 | 383942 | 387435 | 382241 | 1.63 | cps |
| Strontium | 88-1 | 3523656 | 3563597 | 3546537 | 3544597 | 0.57 | cps |
| Sulfur | 34-1 | 93500 | 94654 | 94473 | 94209 | 0.66 | cps |
| Terbium | 159-1 | 5741068 | 5773796 | 5767299 | 5760721 | 0.30 | cps |
| Terbium | 159-2 | 3842844 | 3797160 | 3855125 | 3831710 | 0.80 | cps |
| Thallium | 203-1 | 1337 | 1320 | 1307 | 1321 | 1.14 | cps |
| Thallium | 205-1 | 3120 | 3160 | 3230 | 3170 | 1.76 | cps |
| Tin | 118-1 | 13443 | 13580 | 13206 | 13410 | 1.41 | cps |
| Titanium | 47-1 | 740731 | 759254 | 761416 | 753800 | 1.51 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | P4480-05A | Instrumnet Name : | P7 |
| Client Sample ID : | MYE494ARE | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:45:09 | DataFile Name : | 138SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 14905 | 15322 | 15275 | 15168 | 1.51 | cps |
| Vanadium | 51-2 | 417225 | 419552 | 417711 | 418162 | 0.29 | cps |
| Yttrium | 89-1 | 7800458 | 7884691 | 7801110 | 7828753 | 0.62 | cps |
| Yttrium | 89-2 | 2299756 | 2355720 | 2308722 | 2321399 | 1.29 | cps |
| Zinc | 66-2 | 89965 | 89667 | 90703 | 90112 | 0.59 | cps |
| Zirconium | 90-1 | 167798 | 170330 | 171854 | 169994 | 1.21 | cps |
| Zirconium | 91-1 | 37214 | 38738 | 38257 | 38069 | 2.05 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164430BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS430 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:54:32 | DataFile Name : | 139CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 643 | 757 | 787 | 729 | 10.37 | cps |
| Antimony | 121-1 | 53 | 43 | 63 | 53 | 18.75 | cps |
| Arsenic | 75-2 | 7 | 7 | 7 | 7 | 0.00 | cps |
| Barium | 135-1 | 100 | 137 | 137 | 124 | 17.01 | cps |
| Barium | 137-1 | 167 | 173 | 207 | 182 | 11.76 | cps |
| Beryllium | 9-1 | 10 | 10 | 3 | 8 | 49.52 | cps |
| Bismuth | 209-1 | 3511192 | 3501182 | 3501536 | 3504637 | 0.16 | cps |
| Bismuth | 209-2 | 2601096 | 2741627 | 2751784 | 2698169 | 3.12 | cps |
| Bromine | 81-1 | 5271 | 5114 | 5011 | 5132 | 2.55 | cps |
| Bromine | 81-2 | 63 | 73 | 23 | 53 | 49.61 | cps |
| Cadmium | 108-1 | 3 | 7 | 3 | 4 | 43.40 | cps |
| Cadmium | 106-1 | 900 | 830 | 860 | 863 | 4.07 | cps |
| Cadmium | 111-1 | 638 | 583 | 600 | 607 | 4.62 | cps |
| Calcium | 43-1 | 207 | 183 | 173 | 188 | 9.11 | cps |
| Calcium | 44-1 | 9413 | 9040 | 9500 | 9318 | 2.63 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 570 | 517 | 630 | 572 | 9.91 | cps |
| Cobalt | 59-2 | 53 | 60 | 67 | 60 | 11.12 | cps |
| Copper | 63-2 | 747 | 613 | 587 | 649 | 13.21 | cps |
| Dysprosium | 156-1 | 70 | 60 | 43 | 58 | 23.32 | cps |
| Dysprosium | 156-2 | 10 | 20 | 30 | 20 | 50.00 | cps |
| Erbium | 164-1 | 40 | 27 | 37 | 34 | 20.14 | cps |
| Erbium | 164-2 | 27 | 23 | 23 | 24 | 7.89 | cps |
| Gadolinium | 160-1 | 40 | 20 | 13 | 24 | 56.78 | cps |
| Gadolinium | 160-2 | 173 | 143 | 103 | 140 | 25.09 | cps |
| Holmium | 165-1 | 5593961 | 5536963 | 5448949 | 5526624 | 1.32 | cps |
| Holmium | 165-2 | 3758289 | 3794738 | 3773349 | 3775459 | 0.49 | cps |
| Indium | 115-1 | 4701856 | 4606411 | 4573603 | 4627290 | 1.44 | cps |
| Indium | 115-2 | 1751607 | 1726315 | 1702463 | 1726795 | 1.42 | cps |
| Iron | 56-2 | 24123 | 24597 | 25428 | 24716 | 2.67 | cps |
| Iron | 57-2 | 2767 | 2804 | 2864 | 2811 | 1.74 | cps |
| Iron | 54-2 | 2097 | 2187 | 1887 | 2057 | 7.49 | cps |
| Krypton | 83-1 | 240 | 137 | 183 | 187 | 27.72 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164430BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS430 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:54:32 | DataFile Name : | 139CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 297 | 273 | 240 | 270 | 10.55 | cps |
| Lead | 207-1 | 283 | 230 | 237 | 250 | 11.62 | cps |
| Lead | 208-1 | 1103 | 1093 | 1020 | 1072 | 4.24 | cps |
| Lithium | 6-1 | 522391 | 525229 | 512966 | 520195 | 1.23 | cps |
| Magnesium | 24-2 | 693 | 713 | 720 | 709 | 1.96 | cps |
| Manganese | 55-2 | 483 | 633 | 537 | 551 | 13.80 | cps |
| Molybdenum | 94-1 | 107 | 120 | 120 | 116 | 6.66 | cps |
| Molybdenum | 95-1 | 50 | 20 | 37 | 36 | 42.27 | cps |
| Molybdenum | 96-1 | 67 | 77 | 63 | 69 | 10.08 | cps |
| Molybdenum | 97-1 | 20 | 20 | 30 | 23 | 24.74 | cps |
| Molybdenum | 98-1 | 47 | 67 | 47 | 53 | 21.65 | cps |
| Neodymium | 150-1 | 7 | 7 | 23 | 12 | 78.69 | cps |
| Neodymium | 150-2 | 3 | 3 | 3 | 3 | 0.00 | cps |
| Nickel | 60-2 | 93 | 93 | 60 | 82 | 23.40 | cps |
| Phosphorus | 31-2 | 137 | 67 | 150 | 118 | 38.00 | cps |
| Potassium | 39-2 | 71795 | 70606 | 71048 | 71150 | 0.84 | cps |
| Rhodium | 103-1 | 4407602 | 4358617 | 4348581 | 4371600 | 0.72 | cps |
| Rhodium | 103-2 | 2872994 | 2923102 | 2844062 | 2880053 | 1.39 | cps |
| Scandium | 45-1 | 2515443 | 2494478 | 2464894 | 2491605 | 1.02 | cps |
| Scandium | 45-2 | 273774 | 272899 | 274836 | 273836 | 0.35 | cps |
| Selenium | 82-1 | 202 | 292 | 213 | 236 | 20.78 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 347 | 380 | 337 | 354 | 6.40 | cps |
| Silicon | 28-1 | 172107 | 168311 | 170384 | 170267 | 1.12 | cps |
| Silver | 107-1 | 43 | 40 | 43 | 42 | 4.55 | cps |
| Silver | 109-1 | 23 | 17 | 23 | 21 | 18.21 | cps |
| Sodium | 23-2 | 28009 | 27207 | 27491 | 27569 | 1.47 | cps |
| Strontium | 86-1 | 337 | 277 | 353 | 322 | 12.51 | cps |
| Strontium | 88-1 | 300 | 333 | 380 | 338 | 11.90 | cps |
| Sulfur | 34-1 | 92645 | 90979 | 93242 | 92288 | 1.27 | cps |
| Terbium | 159-1 | 5833507 | 5761741 | 5677489 | 5757579 | 1.36 | cps |
| Terbium | 159-2 | 3744866 | 3755419 | 3730727 | 3743671 | 0.33 | cps |
| Thallium | 203-1 | 70 | 57 | 90 | 72 | 23.23 | cps |
| Thallium | 205-1 | 183 | 173 | 117 | 158 | 22.79 | cps |
| Tin | 118-1 | 1137 | 1020 | 1404 | 1187 | 16.56 | cps |
| Titanium | 47-1 | 143 | 130 | 147 | 140 | 6.30 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164430BL | Instrumnet Name : | P7 |
| Client Sample ID : | PBS430 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:54:32 | DataFile Name : | 139CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7 | 7 | 7 | 7 | 0.00 | cps |
| Vanadium | 51-2 | 23 | 40 | 50 | 38 | 35.67 | cps |
| Yttrium | 89-1 | 7712753 | 7817445 | 7619114 | 7716438 | 1.29 | cps |
| Yttrium | 89-2 | 2230293 | 2272010 | 2284611 | 2262305 | 1.26 | cps |
| Zinc | 66-2 | 420 | 360 | 343 | 374 | 10.77 | cps |
| Zirconium | 90-1 | 247 | 267 | 230 | 248 | 7.41 | cps |
| Zirconium | 91-1 | 73 | 53 | 40 | 56 | 30.20 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164430BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS430 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:57:49 | DataFile Name : | 140LCSE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4994 | 5181 | 5091 | 5089 | 1.84 | cps |
| Antimony | 121-1 | 20067 | 20541 | 20201 | 20270 | 1.21 | cps |
| Arsenic | 75-2 | 740 | 657 | 747 | 714 | 7.02 | cps |
| Barium | 135-1 | 23823 | 23706 | 23216 | 23582 | 1.37 | cps |
| Barium | 137-1 | 40852 | 41156 | 40815 | 40941 | 0.46 | cps |
| Beryllium | 9-1 | 1093 | 1010 | 1093 | 1066 | 4.52 | cps |
| Bismuth | 209-1 | 3663016 | 3554710 | 3472316 | 3563347 | 2.68 | cps |
| Bismuth | 209-2 | 2403510 | 2675070 | 2683374 | 2587318 | 6.15 | cps |
| Bromine | 81-1 | 5231 | 5128 | 5168 | 5175 | 1.01 | cps |
| Bromine | 81-2 | 23 | 50 | 50 | 41 | 37.46 | cps |
| Cadmium | 108-1 | 180 | 203 | 210 | 198 | 7.97 | cps |
| Cadmium | 106-1 | 1393 | 1153 | 1253 | 1267 | 9.52 | cps |
| Cadmium | 111-1 | 3370 | 3192 | 3381 | 3314 | 3.20 | cps |
| Calcium | 43-1 | 12305 | 12522 | 12579 | 12469 | 1.16 | cps |
| Calcium | 44-1 | 211791 | 210512 | 209173 | 210492 | 0.62 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 11878 | 10847 | 11211 | 11312 | 4.62 | cps |
| Cobalt | 59-2 | 7669 | 7535 | 7395 | 7533 | 1.82 | cps |
| Copper | 63-2 | 11715 | 11464 | 11631 | 11603 | 1.10 | cps |
| Dysprosium | 156-1 | 57 | 77 | 70 | 68 | 15.02 | cps |
| Dysprosium | 156-2 | 20 | 30 | 17 | 22 | 31.22 | cps |
| Erbium | 164-1 | 53 | 40 | 53 | 49 | 15.74 | cps |
| Erbium | 164-2 | 20 | 23 | 50 | 31 | 52.86 | cps |
| Gadolinium | 160-1 | 17 | 17 | 27 | 20 | 28.86 | cps |
| Gadolinium | 160-2 | 130 | 127 | 120 | 126 | 4.06 | cps |
| Holmium | 165-1 | 5767701 | 5540928 | 5624862 | 5644497 | 2.03 | cps |
| Holmium | 165-2 | 3429853 | 3755583 | 3744087 | 3643174 | 5.07 | cps |
| Indium | 115-1 | 4729700 | 4613279 | 4557704 | 4633561 | 1.89 | cps |
| Indium | 115-2 | 1540655 | 1724869 | 1724519 | 1663347 | 6.39 | cps |
| Iron | 56-2 | 895749 | 889852 | 881973 | 889192 | 0.78 | cps |
| Iron | 57-2 | 24614 | 24634 | 24574 | 24607 | 0.12 | cps |
| Iron | 54-2 | 51053 | 49999 | 49340 | 50131 | 1.72 | cps |
| Krypton | 83-1 | 160 | 147 | 133 | 147 | 9.09 | cps |

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On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164430BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS430 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:57:49 | DataFile Name : | 140LCSE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 7159 | 6708 | 7002 | 6956 | 3.29 | cps |
| Lead | 207-1 | 5798 | 6208 | 5948 | 5985 | 3.47 | cps |
| Lead | 208-1 | 27775 | 27328 | 27381 | 27494 | 0.89 | cps |
| Lithium | 6-1 | 519148 | 520405 | 519981 | 519845 | 0.12 | cps |
| Magnesium | 24-2 | 223100 | 223404 | 219643 | 222049 | 0.94 | cps |
| Manganese | 55-2 | 3967 | 4091 | 3971 | 4009 | 1.75 | cps |
| Molybdenum | 94-1 | 21032 | 20751 | 20768 | 20850 | 0.75 | cps |
| Molybdenum | 95-1 | 24698 | 24875 | 24441 | 24671 | 0.88 | cps |
| Molybdenum | 96-1 | 27917 | 28485 | 27690 | 28030 | 1.46 | cps |
| Molybdenum | 97-1 | 15779 | 15819 | 15845 | 15814 | 0.21 | cps |
| Molybdenum | 98-1 | 39914 | 39483 | 39293 | 39563 | 0.80 | cps |
| Neodymium | 150-1 | 10 | 0 | 10 | 7 | 86.60 | cps |
| Neodymium | 150-2 | 7 | 0 | 3 | 3 | 100.05 | cps |
| Nickel | 60-2 | 2077 | 2247 | 2097 | 2140 | 4.34 | cps |
| Phosphorus | 31-2 | 100 | 127 | 117 | 114 | 11.77 | cps |
| Potassium | 39-2 | 367231 | 366599 | 363391 | 365740 | 0.56 | cps |
| Rhodium | 103-1 | 4404830 | 4362494 | 4335352 | 4367559 | 0.80 | cps |
| Rhodium | 103-2 | 2582801 | 2784058 | 2841693 | 2736184 | 4.97 | cps |
| Scandium | 45-1 | 2517825 | 2435129 | 2470514 | 2474489 | 1.68 | cps |
| Scandium | 45-2 | 246372 | 273220 | 273482 | 264358 | 5.89 | cps |
| Selenium | 82-1 | 1040 | 985 | 1037 | 1021 | 3.01 | cps |
| Selenium | 77-2 | 107 | 87 | 73 | 89 | 18.88 | cps |
| Selenium | 78-2 | 657 | 597 | 633 | 629 | 4.81 | cps |
| Silicon | 28-1 | 211723 | 210540 | 209980 | 210748 | 0.42 | cps |
| Silver | 107-1 | 11628 | 11488 | 11815 | 11644 | 1.41 | cps |
| Silver | 109-1 | 10754 | 10404 | 10544 | 10567 | 1.67 | cps |
| Sodium | 23-2 | 388557 | 387401 | 380691 | 385550 | 1.10 | cps |
| Strontium | 86-1 | 3270 | 3317 | 3457 | 3348 | 2.90 | cps |
| Strontium | 88-1 | 27883 | 28608 | 27943 | 28145 | 1.43 | cps |
| Sulfur | 34-1 | 97049 | 98421 | 99669 | 98379 | 1.33 | cps |
| Terbium | 159-1 | 5949211 | 5816101 | 5769872 | 5845061 | 1.59 | cps |
| Terbium | 159-2 | 3475717 | 3778721 | 3798981 | 3684473 | 4.91 | cps |
| Thallium | 203-1 | 8279 | 8016 | 8006 | 8100 | 1.91 | cps |
| Thallium | 205-1 | 19033 | 19154 | 18997 | 19061 | 0.43 | cps |
| Tin | 118-1 | 1380 | 1263 | 1210 | 1285 | 6.77 | cps |
| Titanium | 47-1 | 6966 | 6141 | 6108 | 6405 | 7.59 | cps |

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Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | PB164430BS | Instrumnet Name : | P7 |
| Client Sample ID : | LCS430 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 19:57:49 | DataFile Name : | 140LCSE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 24389 | 24509 | 24219 | 24372 | 0.60 | cps |
| Vanadium | 51-2 | 22854 | 22243 | 21929 | 22342 | 2.10 | cps |
| Yttrium | 89-1 | 7928363 | 7730979 | 7493557 | 7717633 | 2.82 | cps |
| Yttrium | 89-2 | 2041280 | 2228157 | 2267478 | 2178972 | 5.55 | cps |
| Zinc | 66-2 | 4944 | 4734 | 4821 | 4833 | 2.18 | cps |
| Zirconium | 90-1 | 17898 | 17260 | 17257 | 17472 | 2.11 | cps |
| Zirconium | 91-1 | 3787 | 4154 | 3844 | 3928 | 5.03 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV040 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV040 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 20:01:09 | DataFile Name : | 141CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 6303118 | 6300109 | 6208242 | 6270490 | 0.86 | cps |
| Antimony | 121-1 | 2709339 | 2729558 | 2743603 | 2727500 | 0.63 | cps |
| Arsenic | 75-2 | 178941 | 179255 | 179342 | 179180 | 0.12 | cps |
| Barium | 135-1 | 3387455 | 3440906 | 3421412 | 3416591 | 0.79 | cps |
| Barium | 137-1 | 5891744 | 6023722 | 5943352 | 5952939 | 1.12 | cps |
| Beryllium | 9-1 | 283939 | 292044 | 295239 | 290407 | 2.01 | cps |
| Bismuth | 209-1 | 3452794 | 3533628 | 3447841 | 3478088 | 1.38 | cps |
| Bismuth | 209-2 | 2639726 | 2626891 | 2616419 | 2627679 | 0.44 | cps |
| Bromine | 81-1 | 5194 | 5324 | 5151 | 5223 | 1.73 | cps |
| Bromine | 81-2 | 43 | 50 | 47 | 47 | 7.15 | cps |
| Cadmium | 108-1 | 44739 | 45705 | 45133 | 45192 | 1.08 | cps |
| Cadmium | 106-1 | 63384 | 64680 | 64851 | 64305 | 1.25 | cps |
| Cadmium | 111-1 | 617128 | 628457 | 627955 | 624514 | 1.02 | cps |
| Calcium | 43-1 | 3214701 | 3232532 | 3154753 | 3200662 | 1.27 | cps |
| Calcium | 44-1 | 51180771 | 52045436 | 51182946 | 51469718 | 0.97 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 1237201 | 1221976 | 1228942 | 1229373 | 0.62 | cps |
| Cobalt | 59-2 | 1986651 | 1978063 | 1976342 | 1980352 | 0.28 | cps |
| Copper | 63-2 | 13750254 | 14001369 | 13944479 | 13898701 | 0.95 | cps |
| Dysprosium | 156-1 | 230 | 140 | 170 | 180 | 25.46 | cps |
| Dysprosium | 156-2 | 230 | 210 | 260 | 233 | 10.79 | cps |
| Erbium | 164-1 | 173 | 177 | 190 | 180 | 4.90 | cps |
| Erbium | 164-2 | 147 | 100 | 107 | 118 | 21.43 | cps |
| Gadolinium | 160-1 | 150 | 130 | 137 | 139 | 7.33 | cps |
| Gadolinium | 160-2 | 260 | 247 | 257 | 254 | 2.73 | cps |
| Holmium | 165-1 | 5824890 | 5675303 | 5872586 | 5790926 | 1.78 | cps |
| Holmium | 165-2 | 3926082 | 4010302 | 3946289 | 3960891 | 1.11 | cps |
| Indium | 115-1 | 4439521 | 4500978 | 4473906 | 4471468 | 0.69 | cps |
| Indium | 115-2 | 1625652 | 1654984 | 1656628 | 1645755 | 1.06 | cps |
| Iron | 56-2 | 263308423 | 262467136 | 263227023 | 263000861 | 0.18 | cps |
| Iron | 57-2 | 6563657 | 6551436 | 6572030 | 6562374 | 0.16 | cps |
| Iron | 54-2 | 14530012 | 14547370 | 14550291 | 14542558 | 0.08 | cps |
| Krypton | 83-1 | 113 | 143 | 173 | 143 | 20.93 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV040 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV040 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 20:01:09 | DataFile Name : | 141CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 9668912 | 9927518 | 10038773 | 9878401 | 1.92 | cps |
| Lead | 207-1 | 8490443 | 8635492 | 8786605 | 8637513 | 1.71 | cps |
| Lead | 208-1 | 38314274 | 39501077 | 39798957 | 39204769 | 2.00 | cps |
| Lithium | 6-1 | 553418 | 567719 | 577453 | 566197 | 2.14 | cps |
| Magnesium | 24-2 | 54726421 | 53679766 | 53988413 | 54131533 | 0.99 | cps |
| Manganese | 55-2 | 8831965 | 8883535 | 8874357 | 8863286 | 0.31 | cps |
| Molybdenum | 94-1 | 9996295 | 10178471 | 10049120 | 10074629 | 0.93 | cps |
| Molybdenum | 95-1 | 14497873 | 14650496 | 14606260 | 14584876 | 0.54 | cps |
| Molybdenum | 96-1 | 15738698 | 16017800 | 15978198 | 15911565 | 0.95 | cps |
| Molybdenum | 97-1 | 8937795 | 9241302 | 9094677 | 9091258 | 1.67 | cps |
| Molybdenum | 98-1 | 23242360 | 23834147 | 23508262 | 23528256 | 1.26 | cps |
| Neodymium | 150-1 | 180 | 170 | 180 | 177 | 3.27 | cps |
| Neodymium | 150-2 | 40 | 67 | 87 | 64 | 36.33 | cps |
| Nickel | 60-2 | 473886 | 471809 | 475197 | 473631 | 0.36 | cps |
| Phosphorus | 31-2 | 74145 | 73994 | 73642 | 73927 | 0.35 | cps |
| Potassium | 39-2 | 35624185 | 35170779 | 35259832 | 35351599 | 0.68 | cps |
| Rhodium | 103-1 | 4120934 | 4148954 | 4066159 | 4112016 | 1.02 | cps |
| Rhodium | 103-2 | 2639136 | 2679788 | 2688210 | 2669045 | 0.98 | cps |
| Scandium | 45-1 | 2474956 | 2480408 | 2462092 | 2472485 | 0.38 | cps |
| Scandium | 45-2 | 274209 | 272776 | 273199 | 273395 | 0.27 | cps |
| Selenium | 82-1 | 38612 | 38596 | 38844 | 38684 | 0.36 | cps |
| Selenium | 77-2 | 4614 | 4444 | 4474 | 4511 | 2.01 | cps |
| Selenium | 78-2 | 15135 | 15188 | 15021 | 15114 | 0.56 | cps |
| Silicon | 28-1 | 16887297 | 16934853 | 17515861 | 17112670 | 2.05 | cps |
| Silver | 107-1 | 3284459 | 3306606 | 3293819 | 3294961 | 0.34 | cps |
| Silver | 109-1 | 3128461 | 3119202 | 3155811 | 3134491 | 0.61 | cps |
| Sodium | 23-2 | 90913959 | 89729185 | 89688572 | 90110572 | 0.77 | cps |
| Strontium | 86-1 | 20960966 | 21091543 | 20738630 | 20930380 | 0.85 | cps |
| Strontium | 88-1 | 179501217 | 184014571 | 185296504 | 182937431 | 1.66 | cps |
| Sulfur | 34-1 | 278178 | 277589 | 277837 | 277868 | 0.11 | cps |
| Terbium | 159-1 | 5891359 | 6009729 | 5952684 | 5951257 | 0.99 | cps |
| Terbium | 159-2 | 3885449 | 3928843 | 3975316 | 3929870 | 1.14 | cps |
| Thallium | 203-1 | 2442380 | 2479061 | 2497883 | 2473108 | 1.14 | cps |
| Thallium | 205-1 | 5657033 | 5870585 | 5959267 | 5828961 | 2.67 | cps |
| Tin | 118-1 | 2110265 | 2156189 | 2162736 | 2143063 | 1.33 | cps |
| Titanium | 47-1 | 3415040 | 3474829 | 3413950 | 3434606 | 1.01 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCV040 | Instrumnet Name : | P7 |
| Client Sample ID : | CCV040 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 20:01:09 | DataFile Name : | 141CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 7667829 | 7918689 | 7945211 | 7843910 | 1.95 | cps |
| Vanadium | 51-2 | 1128211 | 1125434 | 1116610 | 1123418 | 0.54 | cps |
| Yttrium | 89-1 | 7841392 | 7696158 | 7699712 | 7745754 | 1.07 | cps |
| Yttrium | 89-2 | 2238542 | 2216990 | 2257273 | 2237602 | 0.90 | cps |
| Zinc | 66-2 | 2317155 | 2339314 | 2275332 | 2310600 | 1.41 | cps |
| Zirconium | 90-1 | 4594715 | 4655447 | 4605868 | 4618677 | 0.70 | cps |
| Zirconium | 91-1 | 978901 | 996288 | 988331 | 987840 | 0.88 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB040 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB040 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 20:03:55 | DataFile Name : | 142CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 827 | 847 | 1030 | 901 | 12.44 | cps |
| Antimony | 121-1 | 2034 | 1817 | 1953 | 1935 | 5.66 | cps |
| Arsenic | 75-2 | 17 | 47 | 20 | 28 | 59.19 | cps |
| Barium | 135-1 | 480 | 313 | 403 | 399 | 20.91 | cps |
| Barium | 137-1 | 743 | 727 | 637 | 702 | 8.17 | cps |
| Beryllium | 9-1 | 43 | 80 | 47 | 57 | 35.78 | cps |
| Bismuth | 209-1 | 3823747 | 3701393 | 3703266 | 3742802 | 1.87 | cps |
| Bismuth | 209-2 | 2818098 | 2841624 | 2764672 | 2808131 | 1.40 | cps |
| Bromine | 81-1 | 5061 | 4921 | 4914 | 4965 | 1.67 | cps |
| Bromine | 81-2 | 40 | 57 | 53 | 50 | 17.64 | cps |
| Cadmium | 108-1 | 13 | 3 | 10 | 9 | 57.30 | cps |
| Cadmium | 106-1 | 1117 | 1040 | 1100 | 1086 | 3.71 | cps |
| Cadmium | 111-1 | 902 | 806 | 896 | 868 | 6.24 | cps |
| Calcium | 43-1 | 597 | 543 | 413 | 518 | 18.21 | cps |
| Calcium | 44-1 | 16089 | 14471 | 14230 | 14930 | 6.77 | cps |
| Carbon | 12-1 | | | | | | cps |
| Carbon | 12-2 | | | | | | cps |
| Chlorine | 35-1 | | | | | | cps |
| Chlorine | 35-2 | | | | | | cps |
| Chromium | 52-2 | 690 | 697 | 693 | 693 | 0.48 | cps |
| Cobalt | 59-2 | 217 | 223 | 197 | 212 | 6.54 | cps |
| Copper | 63-2 | 1867 | 1910 | 1803 | 1860 | 2.88 | cps |
| Dysprosium | 156-1 | 53 | 47 | 27 | 42 | 32.86 | cps |
| Dysprosium | 156-2 | 20 | 20 | 23 | 21 | 9.11 | cps |
| Erbium | 164-1 | 63 | 33 | 37 | 44 | 36.99 | cps |
| Erbium | 164-2 | 20 | 30 | 23 | 24 | 20.83 | cps |
| Gadolinium | 160-1 | 20 | 20 | 17 | 19 | 10.18 | cps |
| Gadolinium | 160-2 | 140 | 127 | 160 | 142 | 11.80 | cps |
| Holmium | 165-1 | 5935818 | 5880421 | 5805351 | 5873863 | 1.11 | cps |
| Holmium | 165-2 | 3912909 | 3858580 | 3869350 | 3880280 | 0.74 | cps |
| Indium | 115-1 | 4741241 | 4705220 | 4685031 | 4710497 | 0.60 | cps |
| Indium | 115-2 | 1735811 | 1750710 | 1727601 | 1738041 | 0.67 | cps |
| Iron | 56-2 | 35555 | 35786 | 35853 | 35732 | 0.44 | cps |
| Iron | 57-2 | 3047 | 3047 | 3190 | 3095 | 2.67 | cps |
| Iron | 54-2 | 2644 | 2510 | 2560 | 2571 | 2.62 | cps |
| Krypton | 83-1 | 160 | 163 | 183 | 169 | 7.47 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB040 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB040 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 20:03:55 | DataFile Name : | 142CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Lead | 206-1 | 1477 | 1350 | 1173 | 1333 | 11.43 | cps |
| Lead | 207-1 | 1270 | 1157 | 1010 | 1146 | 11.38 | cps |
| Lead | 208-1 | 5787 | 5204 | 4864 | 5285 | 8.84 | cps |
| Lithium | 6-1 | 587864 | 578390 | 581993 | 582749 | 0.82 | cps |
| Magnesium | 24-2 | 5451 | 5321 | 5401 | 5391 | 1.22 | cps |
| Manganese | 55-2 | 1097 | 1090 | 1063 | 1083 | 1.63 | cps |
| Molybdenum | 94-1 | 1480 | 1283 | 1230 | 1331 | 9.89 | cps |
| Molybdenum | 95-1 | 2200 | 1830 | 1747 | 1926 | 12.53 | cps |
| Molybdenum | 96-1 | 2267 | 2027 | 1863 | 2052 | 9.89 | cps |
| Molybdenum | 97-1 | 1227 | 1120 | 977 | 1108 | 11.32 | cps |
| Molybdenum | 98-1 | 3354 | 2807 | 2710 | 2957 | 11.73 | cps |
| Neodymium | 150-1 | 7 | 7 | 0 | 4 | 86.60 | cps |
| Neodymium | 150-2 | 3 | 10 | 0 | 4 | 114.60 | cps |
| Nickel | 60-2 | 320 | 333 | 217 | 290 | 22.02 | cps |
| Phosphorus | 31-2 | 113 | 103 | 80 | 99 | 17.30 | cps |
| Potassium | 39-2 | 75017 | 75751 | 75141 | 75303 | 0.52 | cps |
| Rhodium | 103-1 | 4460114 | 4393215 | 4313421 | 4388917 | 1.67 | cps |
| Rhodium | 103-2 | 2905470 | 2853940 | 2830465 | 2863291 | 1.34 | cps |
| Scandium | 45-1 | 2511785 | 2493763 | 2456766 | 2487438 | 1.13 | cps |
| Scandium | 45-2 | 269057 | 270590 | 271265 | 270304 | 0.42 | cps |
| Selenium | 82-1 | 293 | 308 | 218 | 273 | 17.72 | cps |
| Selenium | 77-2 | 7 | 0 | 0 | 2 | 173.21 | cps |
| Selenium | 78-2 | 293 | 273 | 320 | 296 | 7.92 | cps |
| Silicon | 28-1 | 180619 | 176151 | 175464 | 177411 | 1.58 | cps |
| Silver | 107-1 | 660 | 457 | 427 | 514 | 24.68 | cps |
| Silver | 109-1 | 540 | 440 | 383 | 454 | 17.46 | cps |
| Sodium | 23-2 | 41409 | 41071 | 40998 | 41159 | 0.53 | cps |
| Strontium | 86-1 | 2790 | 2284 | 1887 | 2320 | 19.52 | cps |
| Strontium | 88-1 | 20741 | 17223 | 15762 | 17909 | 14.29 | cps |
| Sulfur | 34-1 | 121968 | 121102 | 122153 | 121741 | 0.46 | cps |
| Terbium | 159-1 | 6136098 | 5982221 | 5861860 | 5993393 | 2.29 | cps |
| Terbium | 159-2 | 3955394 | 3922534 | 3911981 | 3929970 | 0.58 | cps |
| Thallium | 203-1 | 580 | 550 | 490 | 540 | 8.49 | cps |
| Thallium | 205-1 | 1447 | 1170 | 1147 | 1255 | 13.30 | cps |
| Tin | 118-1 | 1540 | 1440 | 1387 | 1456 | 5.35 | cps |
| Titanium | 47-1 | 540 | 460 | 427 | 476 | 12.25 | cps |

Reviewed By:Mohan
On:10/30/2024 3:42:59 PM
Inst Id :P7

| | | | |
|---|---|---|---|
| LB Number : | LB133210 | Operator : | Jaswal |
| Lab Sample ID : | CCB040 | Instrumnet Name : | P7 |
| Client Sample ID : | CCB040 | Dilution Factor : | 1 |
| Date & Time Acquired : | 2024-10-30 20:03:55 | DataFile Name : | 142CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Uranium | 238-1 | 930 | 633 | 637 | 733 | 23.23 | cps |
| Vanadium | 51-2 | 100 | 123 | 113 | 112 | 10.43 | cps |
| Yttrium | 89-1 | 7742831 | 7672829 | 7596292 | 7670651 | 0.96 | cps |
| Yttrium | 89-2 | 2241183 | 2235787 | 2245291 | 2240753 | 0.21 | cps |
| Zinc | 66-2 | 730 | 770 | 840 | 780 | 7.14 | cps |
| Zirconium | 90-1 | 853 | 843 | 953 | 883 | 6.89 | cps |
| Zirconium | 91-1 | 180 | 220 | 223 | 208 | 11.61 | cps |

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# Prep Standard - Chemical Standard Summary

**Order ID :** P4479

**Test :** Metals CLP MS FULL

**Prepbatch ID :** PB164349,

**Sequence ID/Qc Batch ID:** LB133210,

**Standard ID :**
MP81119,MP82127,MP82568,MP82569,MP82570,MP82571,MP82572,MP82573,MP82574,MP82575,MP82576,MP82577,MP82578,MP82579,MP82580,MP82581,MP82583,MP82585,MP82586,MP82587,MP82908,

**Chemical ID :**
M5192,M5288,M5289,M5295,M5304,M5390,M5473,M5476,M5498,M5513,M5515,M5519,M5565,M5634,M5657,M5658,M5697,M5698,M5739,M5768,M5769,M5798,M5799,M5800,M5801,M5802,M5806,M5815,M5816,M5817,M5818,M5819,M5820,M5873,M5874,M5935,M5961,M5962,M5976,M5978,M5981,M5982,M5983,M6021,M6023,M6025,M6028,M6030,M6033,M6037,M6040,M6055,M6096,W2606,W3112,

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 169 | 1:1HNO3 | MP81119 | 06/21/2024 | 04/24/2025 | Al-Terek Isaac | METALS_SCALE_2 (M SC-2) | METALS_PIPETTE_1 (ICP A) | Sarabjit Jaswal 06/21/2024 |

**FROM** 1250.00000ml of M5935 + 1250.00000ml of W2606 = Final Quantity: 2500.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 170 | 1:1HCL | MP82127 | 09/03/2024 | 02/08/2025 | Janvi Patel | None | None | Sarabjit Jaswal 09/03/2024 |

**FROM** 1250.00000ml of M6040 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1122 | ICPMS CALIB BLANK(S0/ICB/CCB) | MP82568 | 09/28/2024 | 10/31/2024 | Sarabjit Jaswal | None | None | Mohan Bera 09/30/2024 |

**FROM** 25.00000ml of M6040 + 4925.00000ml of W3112 + 50.00000ml of M6037 = Final Quantity: 5000.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 2902 | S8 ICPMS | MP82569 | 09/28/2024 | 10/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 09/30/2024 |

**FROM** 1.00000ml of M6033 + 2.50000ml of M5288 + 2.50000ml of M5515 + 5.00000ml of M5498 + 5.00000ml of M5768 + 5.00000ml of M5806 + 79.00000ml of MP82568 = 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 |
|---|---|---|---|---|---|---|---|---|
| 3947 | S7(SFAM,6020,200.8) | MP82570 | 09/28/2024 | 10/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 09/30/2024 |

**FROM** 1.00000ml of M5818 + 1.00000ml of M5981 + 1.00000ml of M5983 + 1.90000ml of M6033 + 10.00000ml of M5976 + 10.00000ml of M5978 + 10.00000ml of M6037 + 2.00000ml of M5815 + 2.00000ml of M5817 + 2.50000ml of M5476 + 4.00000ml of M5390 + 4.00000ml of M6025 + 4.90000ml of M5515 + 4.90000ml of M5519 + 5.00000ml of M6040 + 50.00000ml of M5304 + 829.10000ml of W3112 + 9.00000ml of M5697 + 9.00000ml of M5698 + 9.00000ml of M5819 + 9.90000ml of M5498 + 9.90000ml of M5768 + 9.90000ml of M5806 = Final Quantity: 1000.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3948 | S6(SFAM,6020,200.8) | MP82571 | 09/28/2024 | 10/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 09/30/2024 |

**FROM** 0.50000ml of M6040 + 1.00000ml of M6037 + 88.50000ml of W3112 + 25.00000ml of MP82570 = 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 |
|---|---|---|---|---|---|---|---|---|
| 3949 | S5(SFAM,6020,200.8) | MP82572 | 09/28/2024 | 10/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 09/30/2024 |

**FROM** 0.50000ml of M6040 + 1.00000ml of M6037 + 73.50000ml of W3112 + 25.00000ml of MP82570 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3954 | S4(SFAM,6020,200.8) | MP82573 | 09/28/2024 | 10/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 09/30/2024 |

**FROM** 0.50000ml of M6040 + 1.00000ml of M6037 + 88.50000ml of W3112 + 12.50000ml of MP82570 = 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 |
|---|---|---|---|---|---|---|---|---|
| 3951 | S3(SFAM, 6020,200.8) | MP82574 | 09/28/2024 | 10/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 09/30/2024 |

**FROM** 0.50000ml of M6040 + 1.00000ml of M6037 + 88.50000ml of W3112 + 10.00000ml of MP82571 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3955 | S2CONC(SFAM,6020,200.8) | MP82575 | 09/28/2024 | 10/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 09/30/2024 |

**FROM** 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 M5982 + 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 M5515 + 0.25000ml of M5799 + 0.25000ml of M5819 + 0.25000ml of M5962 + 0.25000ml of M5976 + 0.25000ml of M5978 + 0.25000ml of M6021 + 0.50000ml of 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 M6040 + 226.25000ml of W3112 + 5.00000ml of M6037 = 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 |
|---|---|---|---|---|---|---|---|---|
| 3956 | S2(SFAM,6020,200.8) | MP82576 | 09/28/2024 | 10/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 09/30/2024 |

**FROM** 0.50000ml of M6040 + 1.00000ml of M6037 + 88.50000ml of W3112 + 0.50000ml of MP82575 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3957 | S1(SFAM,6020,200.8) | MP82577 | 09/28/2024 | 10/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 09/30/2024 |

**FROM** 0.50000ml of M6040 + 1.00000ml of M6037 + 88.50000ml of W3112 + 10.00000ml of MP82576 = 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) | MP82578 | 09/28/2024 | 10/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 09/30/2024 |

**FROM** 2.00000ml of M5295 + 98.00000ml of MP82568 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3961 | CCV | MP82579 | 09/28/2024 | 10/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 09/30/2024 |

**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 M6037 + 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 M5976 + 5.00000ml of M5978 + 5.00000ml of M6040 + 824.35000ml 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 | MP82580 | 09/28/2024 | 10/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 09/30/2024 |

**FROM** 10.00000ml of M5873 + 90.00000ml of MP82568 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1143 | ICSAB ICPMS | MP82581 | 09/28/2024 | 10/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 09/30/2024 |

**FROM** 10.00000ml of M5873 + 10.00000ml of M5874 + 80.00000ml of MP82568 = 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 |
|---|---|---|---|---|---|---|---|---|
| 3964 | CONC.LCSS SPIKE | MP82583 | 09/28/2024 | 10/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 09/30/2024 |

**FROM** 0.25000ml of M5698 + 0.25000ml of M5798 + 0.25000ml of M5800 + 0.25000ml of M5801 + 0.25000ml of M5961 + 0.25000ml of M5981 + 0.25000ml of M5982 + 0.25000ml of M5983 + 0.25000ml of M6023 + 0.25000ml of M6025 + 0.25000ml of M6028 + 0.25000ml of M6030 + 0.50000ml of M5289 + 0.50000ml of M5658 + 0.50000ml of M5697 + 0.50000ml of M5802 + 1.25000ml of M5192 + 1.25000ml of M5799 + 1.25000ml of M5819 + 1.25000ml of M5962 + 1.25000ml of M6021 + 12.50000ml of M5498 + 12.50000ml of M5519 + 12.50000ml of M5769 + 12.50000ml of M5806 + 158.75000ml of W3112 + 2.50000ml of M5390 + 2.50000ml of M5818 + 2.50000ml of M6040 + 5.00000ml of M5515 + 5.00000ml of M6037 + 6.25000ml of M5816 + 6.25000ml of M5820 = Final Quantity: 250.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3962 | MG 10PPM FOR TUNE | MP82585 | 09/28/2024 | 10/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 09/30/2024 |

**FROM** 0.01000ml of M5768 + 9.99000ml of MP82568 = Final Quantity: 100.000 ml

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# Metals STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3894 | TUNE 200PPB | MP82586 | 09/28/2024 | 10/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 09/30/2024 |

**FROM** 2.00000ml of M6055 + 2.00000ml of MP82585 + 96.00000ml of MP82568 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3903 | ISS 3PPM | MP82587 | 09/28/2024 | 10/31/2024 | Sarabjit Jaswal | None | METALS_PIPETTE_3 (A) | Mohan Bera 09/30/2024 |

**FROM** 5.00000ml of M6037 + 75.00000ml of M5739 + 170.00000ml of MP82568 = 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 |
|---|---|---|---|---|---|---|---|---|
| 1060 | AG 1.0PPM | MP82908 | 10/24/2024 | 10/30/2024 | Sarabjit Jaswal | None | None | Mohan Bera 10/25/2024 |

**FROM** 0.01000ml of M6030 + 9.99000ml of MP82568 = Final Quantity: 10.000 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 # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57042 / Mo, 1000 PPM, 125 ml | 051722 | 05/17/2025 | 07/01/2022 / bin | 06/17/2022 / jaswal | M5192 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58119 / K, 10000 PPM, 500 ml | 071122 | 07/11/2025 | 09/01/2022 / jaswal | 07/21/2022 / jaswal | M5288 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58113 / Aluminum (Al) 10,000PPM | 070622 | 07/06/2025 | 09/02/2022 / jaswal | 07/12/2022 / jaswal | M5289 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| EPA | ICV-1 / ICV ( ICP/ICPMS ) STOCK SOLN | ICV-1014 | 02/05/2025 | 08/07/2024 / jaswal | 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. | 57138 / Sr, 10000 PPM, 125 ml | 082922 | 08/09/2025 | 07/29/2024 / jaswal | 03/16/2023 / jaswal | M5476 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 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 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | CLPP-SPK-1 / SOIL/WATER SPIKE SOLN 1, 125mL | T2-MEB721963 | 07/27/2027 | 05/30/2023 / jaswal | 05/26/2023 / jaswal | M5565 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| PCI Scientific Supply, Inc. | 1403 / Hydrogen Peroxide, 30% 1 gal | 820803 | 02/03/2025 | 04/18/2024 / jaswal | 08/03/2022 / Al-Terek | M5634 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | CLPP-SPK-4 / SOIL/WATER SPIKE SOLN 4, 125mL | T2-MEB721144 | 07/07/2027 | 08/23/2023 / jaswal | 08/29/2023 / jaswal | M5657 |

| 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 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | 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 | 01/08/2024 / bin | 01/03/2024 / bin | M5768 |

| 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 # |
|---|---|---|---|---|---|---|
| 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 |

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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. | 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 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57115 / P, 10000 PPM, 125 ml | 041723 | 04/17/2026 | 05/21/2024 / Jaswal | 02/09/2024 / jaswal | M5815 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57016 / S, 1000 PPM, 125 ml | 122923 | 12/29/2026 | 05/20/2024 / Jaswal | 02/09/2024 / jaswal | M5816 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57116 / S, 10000 PPM, 125 ml | 071123 | 07/11/2026 | 03/01/2024 / jaswal | 02/09/2024 / jaswal | M5817 |

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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. | 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 # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57015 / P, 1000 PPM, 125 ml | 091123 | 09/11/2026 | 05/01/2024 / jaswal | 02/09/2024 / jaswal | M5820 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| EPA | PART A / ICSA ( ICPMS ) STOCK SOLN | CP-MS ICSA-0803 | 04/30/2025 | 04/17/2024 / jaswal | 07/14/2022 / jaswal | M5873 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| EPA | PART B / ICSB (ICPMS) STOCK SOLUTION | CP-MS ICSB-0803 | 04/30/2025 | 04/17/2024 / jaswal | 07/14/2022 / jaswal | M5874 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L) | 24D1062002 | 12/08/2024 | 06/21/2024 / Al-Terek | 06/07/2024 / Al-Terek | M5935 |

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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. | 57028 / Ni, 1000 PPM, 125 ml | 041124 | 04/11/2027 | 07/02/2024 / Jaswal | 06/11/2024 / Jaswal | M5961 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57034 / Se, 1000 PPM, 125 ml | 060624 | 06/06/2027 | 07/02/2024 / Jaswal | 06/14/2024 / Jaswal | M5962 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | CGMO1-1 / MOLYBDENUM 125mL 1000ug/mL | T2-MO720876 | 07/17/2027 | 08/07/2024 / jaswal | 02/22/2024 / Jaswal | M5976 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | 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 |

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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. | 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. | 57023 / V, 1000 PPM, 125 ml | 062424 | 06/24/2027 | 09/28/2024 / jaswal | 08/05/2024 / Jaswal | M6021 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57081 / Tl, 1000 PPM, 125 ml | 0624724 | 06/27/2027 | 08/05/2024 / kareem | 08/05/2024 / Jaswal | M6023 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 57082 / Pb, 1000 PPM, 125 ml | 061224 | 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 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 58113 / Al, 10000 PPM, 500 ml | 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 | 02/02/2025 | 08/24/2024 / Janvi | 08/01/2024 / Janvi | M6037 |

| 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) | 24D1562005 | 02/08/2025 | 08/09/2024 / jaswal | 08/01/2024 / Janvi | M6040 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Inorganic Ventures | IV-STOCK-12 / ICP-MS TUNING SOLUTION, 125mL | U2-MEB734294 | 06/21/2028 | 08/21/2024 / Jaswal | 08/19/2024 / Jaswal | M6055 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L) | 24D1062002 | 03/25/2029 | 10/22/2024 / Janvi | 09/21/2024 / Janvi | M6096 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | DIW / DI Water | Daily Lab-Certified | 10/24/2024 | 10/24/2019 / apatel | 10/24/2019 / apatel | W2606 |

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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 | DIW / DI Water | Daily Lab-Certified | 07/03/2029 | 07/03/2024 / Iwona | 07/03/2024 / Iwona | W3112 |

**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

1281

## CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **57048** | | **Lot #** | | |
| **Lot Number:** | **070124** | **Solvent:** | 24002546 | Nitric Acid | |
| **Description:** | **Cadmium (Cd)** | | | | |
| | | 2% | 40.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 070127 | | | | |
| **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):** | 2000.07 | 0.100 | Flask Uncertainty | | |

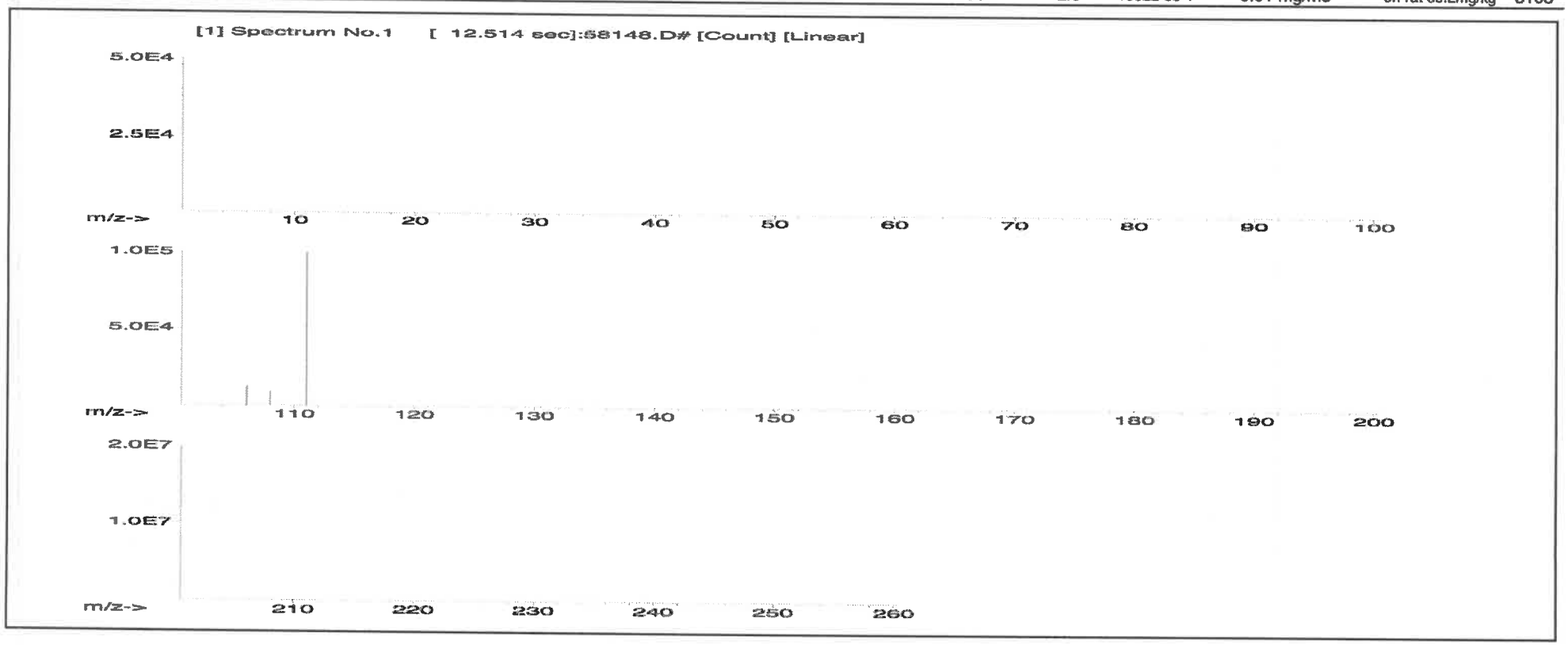
Aleah O'Brady

| | | |
|---|---|---|
| Formulated By: | Aleah O'Brady | 070124 |

Pedro Rentas

| | | |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 070124 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Cadmium nitrate tetrahydrate (Cd) | IN024 | CDM092021A1 | 1000 | 99.999 | 0.10 | 36.5 | 5.4797 | 5.4804 | **1000.1** | **2.0** | 10022-68-1 | 0.01 mg/m3 | orl-rat 60.2mg/kg | 3108 |



1282

**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.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

R: 8/5/24

1283

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

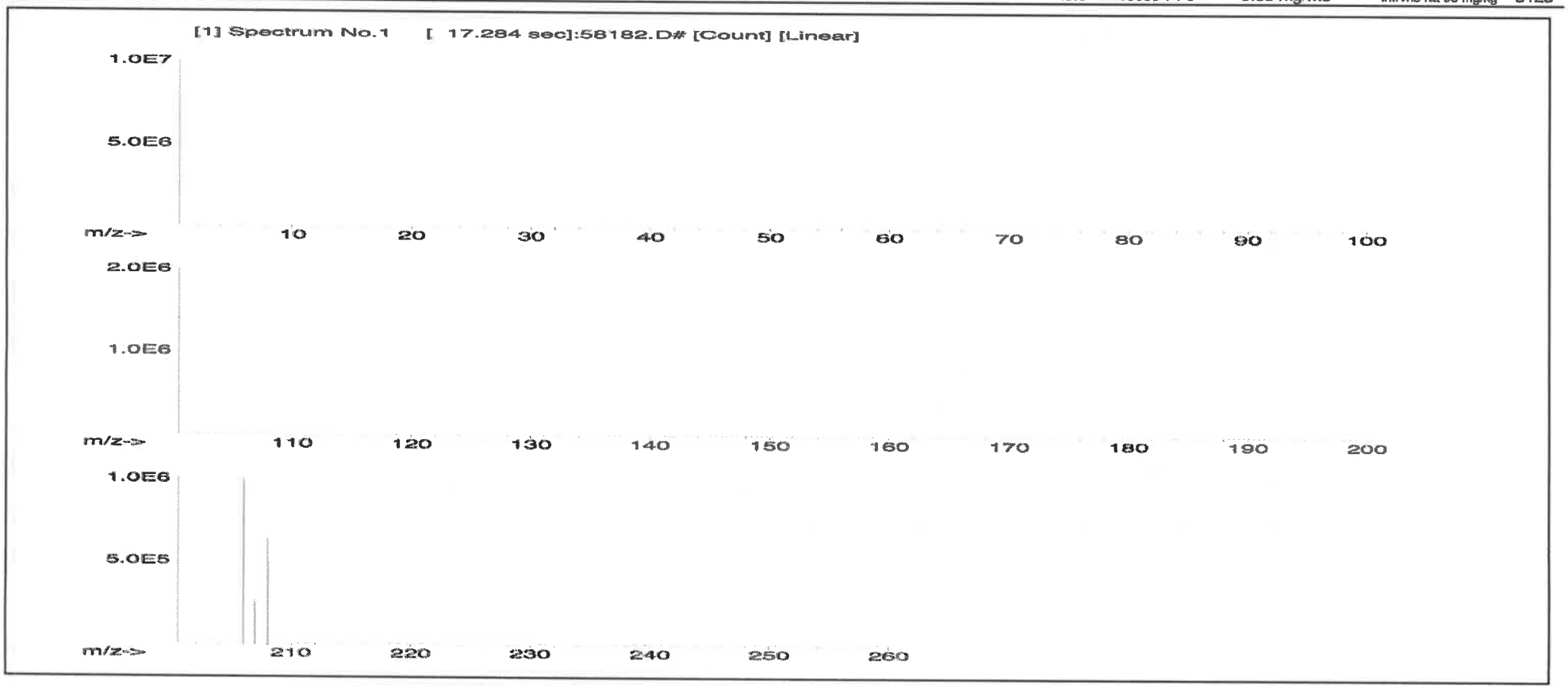
**Weight shown below was diluted to (mL):** 2000.02 0.058 Flask Uncertainty

| | 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 |



1284

**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.
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* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
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M5192 R: 06/17/22

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1285

CERTIFIED WEIGHT REPORT:

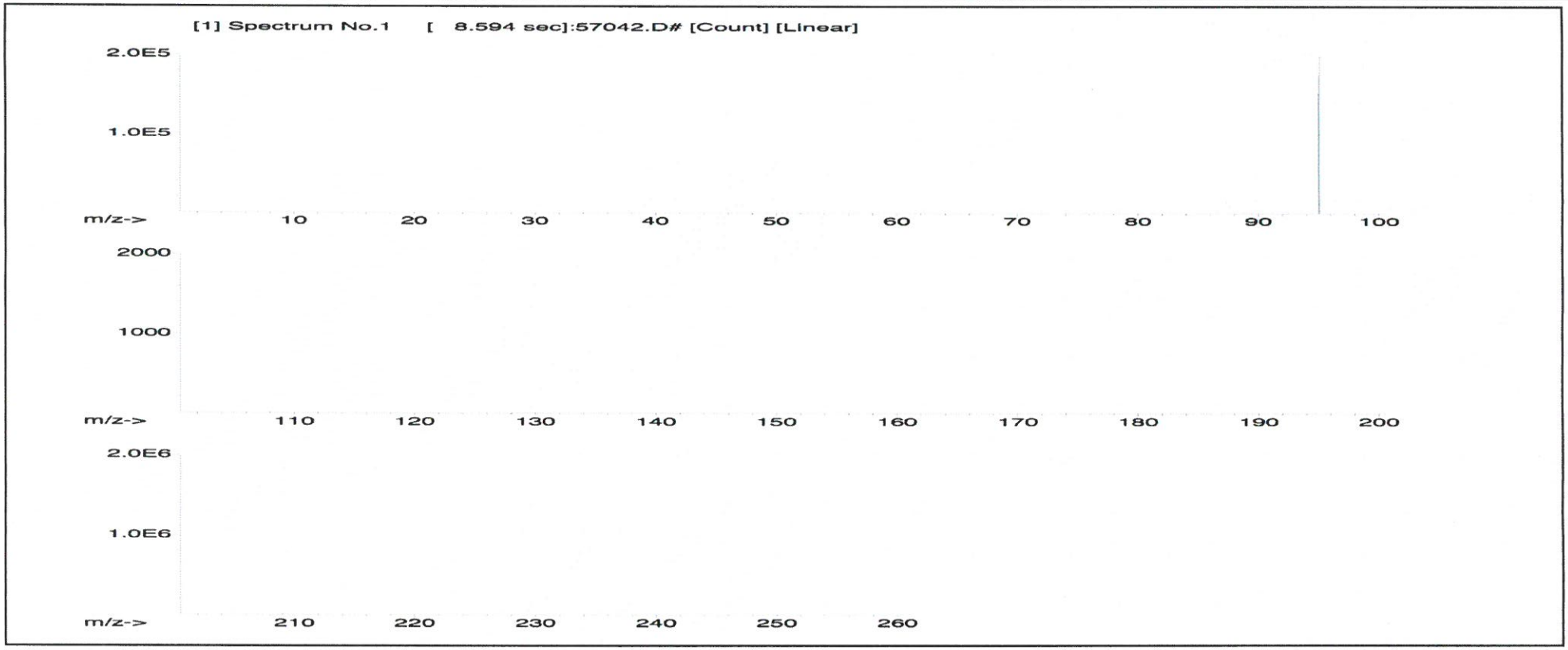
**Part Number:** 57042
**Lot Number:** 051722
**Description:** Molybdenum (Mo)

| | Lot # | Solvent: | | |
|---|---|---|---|---|
| | MKBQ8597V | Ammonium hydroxide | | |
| | 0.5% | 15.0 (mL) | Ammonium hydroxide | |

**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

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



1286

**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).

V15200 R: 04/24/22 (BP)

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1287

CERTIFIED WEIGHT REPORT:

**Part Number:** 58119
**Lot Number:** 071122
**Description:** Potassium (K)

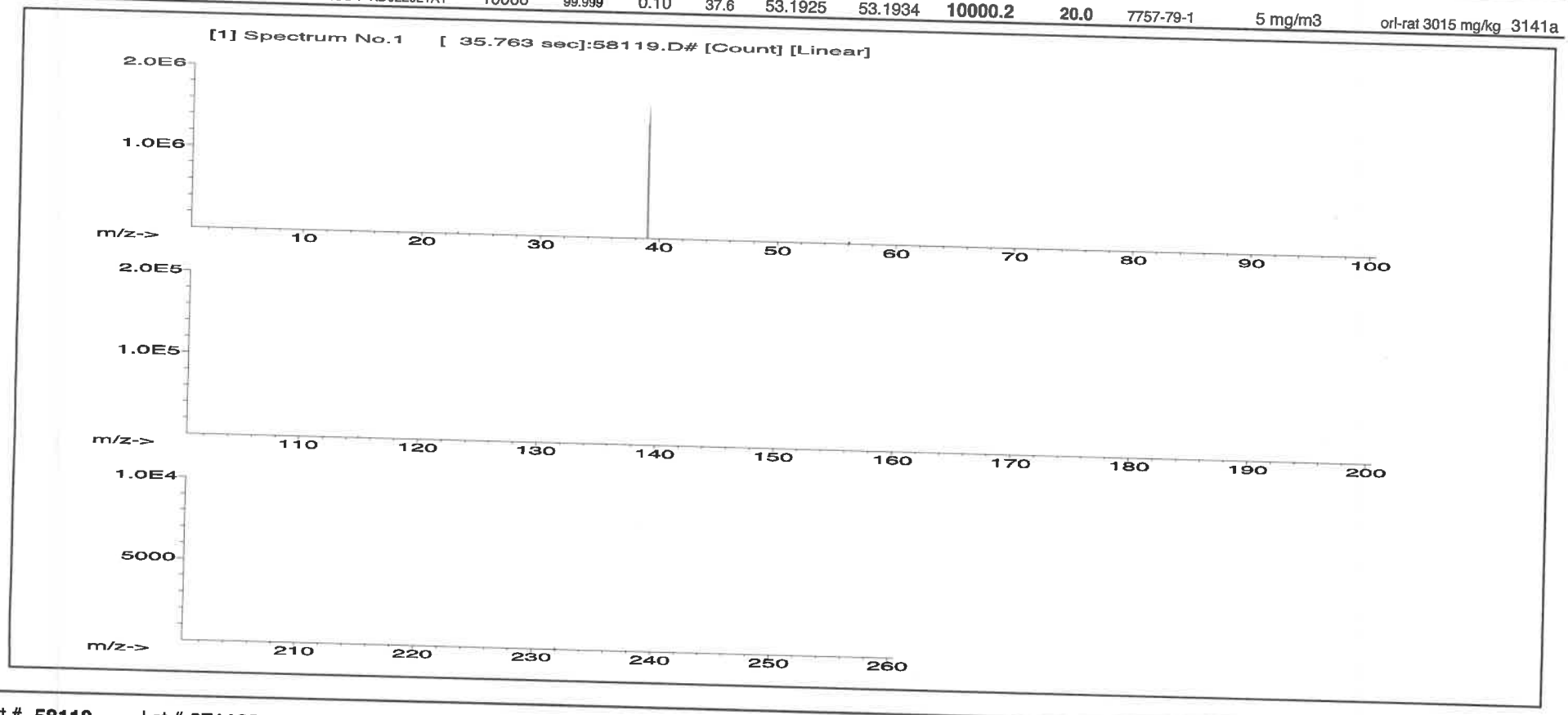
**Expiration Date:** 071125
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 2000.02

| | 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 |



1288

**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).
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* All standards should be stored with caps tight and under appropriate laboratory conditions.
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M5289 R: 07/12/22 (BH)

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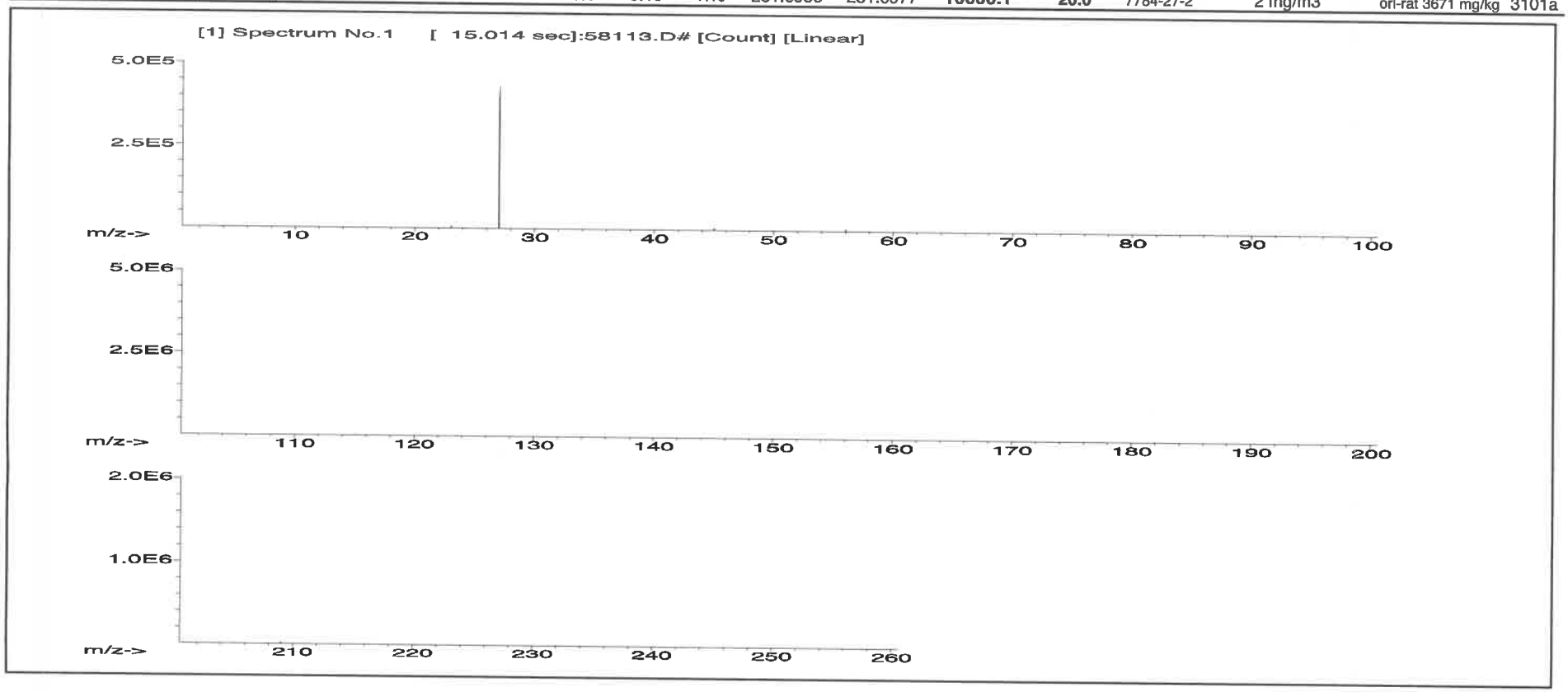
1289

CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **58113** | | **Lot #** | | |
| **Lot Number:** | **070622** | **Solvent:** | 20370011 | Nitric Acid | |
| **Description:** | **Aluminum (Al)** | 2% | 40.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 070625 | | | | |
| **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 | | |

| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 070622 |
| Reviewed By: | Pedro L. Rentas | 070622 |

| 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 | ALD012021A1 | 10000 | 99.999 | 0.10 | 7.10 | 281.6956 | 281.6977 | **10000.1** | **20.0** | 7784-27-2 | 2 mg/m3 | orl-rat 3671 mg/kg | 3101a |



1290

**Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | T | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | 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:**

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## 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™
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# Certificate of Analysis

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inorganicventures.com

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F: 540-585-3012
info@inorganicventures.com

## 1.0 ACCREDITATION / REGISTRATION

**INORGANIC VENTURES** is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

## 2.0 PRODUCT DESCRIPTION

| | |
|---|---|
| Product Code: | Multi Analyte Custom Grade Solution |
| Catalog Number: | 6020CAL-1 |
| Lot Number: | S2-MEB711244 |
| Matrix: | 5% (v/v) HNO3<br>tr. HF |
| Value / Analyte(s): | 20 µg/mL ea: |

| | |
|---|---|
| Silver, | Aluminum, |
| Arsenic, | Barium, |
| Beryllium, | Calcium, |
| Cadmium, | Cobalt, |
| Chromium, | Copper, |
| Iron, | Potassium, |
| Magnesium, | Manganese, |
| Sodium, | Nickel, |
| Lead, | Antimony, |
| Selenium, | Thallium, |
| Vanadium, | Zinc |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ANALYTE | CERTIFIED VALUE | ANALYTE | CERTIFIED VALUE |
|---|---|---|---|
| **Aluminum, Al** | **20.01 ± 0.08 µg/mL** | **Antimony, Sb** | **20.01 ± 0.12 µg/mL** |
| **Arsenic, As** | **20.01 ± 0.18 µg/mL** | **Barium, Ba** | **20.01 ± 0.11 µg/mL** |
| **Beryllium, Be** | **20.01 ± 0.14 µg/mL** | **Cadmium, Cd** | **20.01 ± 0.11 µg/mL** |
| **Calcium, Ca** | **20.01 ± 0.10 µg/mL** | **Chromium, Cr** | **20.01 ± 0.16 µg/mL** |
| **Cobalt, Co** | **20.01 ± 0.11 µg/mL** | **Copper, Cu** | **20.01 ± 0.10 µg/mL** |
| **Iron, Fe** | **20.01 ± 0.09 µg/mL** | **Lead, Pb** | **20.01 ± 0.11 µg/mL** |
| **Magnesium, Mg** | **19.99 ± 0.10 µg/mL** | **Manganese, Mn** | **20.01 ± 0.10 µg/mL** |
| **Nickel, Ni** | **20.01 ± 0.11 µg/mL** | **Potassium, K** | **20.01 ± 0.10 µg/mL** |
| **Selenium, Se** | **20.02 ± 0.14 µg/mL** | **Silver, Ag** | **20.02 ± 0.09 µg/mL** |
| **Sodium, Na** | **20.01 ± 0.10 µg/mL** | **Thallium, Tl** | **20.01 ± 0.13 µg/mL** |
| **Vanadium, V** | **20.01 ± 0.11 µg/mL** | **Zinc, Zn** | **20.01 ± 0.11 µg/mL** |

**Density:** 1.026 g/mL (measured at 20 ± 4 ºC)

## Assay Information:

| ANALYTE | METHOD | NIST SRM# | SRM LOT# |
|---|---|---|---|
| Ag | ICP Assay | 3151 | 160729 |
| Ag | Volhard | 999c | 999c |
| Al | ICP Assay | 3101a | 140903 |
| Al | EDTA | 928 | 928 |
| As | ICP Assay | 3103a | 100818 |
| Ba | ICP Assay | 3104a | 140909 |
| Ba | Gravimetric | | See Sec. 4.2 |
| Be | ICP Assay | 3105a | 090514 |
| Ca | ICP Assay | 3109a | 130213 |
| Ca | EDTA | 928 | 928 |
| Cd | ICP Assay | 3108 | 130116 |
| Cd | EDTA | 928 | 928 |
| Co | ICP Assay | 3113 | 190630 |
| Co | EDTA | 928 | 928 |
| Cr | ICP Assay | 3112a | 170630 |
| Cu | ICP Assay | 3114 | 121207 |
| Cu | EDTA | 928 | 928 |
| Fe | ICP Assay | 3126a | 140812 |
| Fe | EDTA | 928 | 928 |
| Fe | Calculated | | See Sec. 4.2 |
| K | ICP Assay | 3141a | 140813 |
| K | Gravimetric | | See Sec. 4.2 |
| Mg | ICP Assay | 3131a | 140110 |
| Mg | EDTA | 928 | 928 |
| Mn | ICP Assay | 3132 | 050429 |
| Mn | EDTA | 928 | 928 |
| Na | ICP Assay | 3152a | 120715 |
| Na | Gravimetric | | See Sec. 4.2 |
| Ni | ICP Assay | 3136 | 120619 |
| Ni | EDTA | 928 | 928 |
| Pb | ICP Assay | 3128 | 101026 |
| Pb | EDTA | 928 | 928 |
| Se | ICP Assay | 3149 | 100901 |
| Se | Calculated | | See Sec. 4.2 |
| Tl | ICP Assay | 3158 | 151215 |
| Tl | Calculated | | See Sec. 4.2 |
| V | ICP Assay | 3165 | 160906 |
| V | EDTA | 928 | 928 |
| Zn | ICP Assay | 3168a | 120629 |
| Zn | EDTA | 928 | 928 |

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

**Characterization of CRM/RM by Two or More Methods**

**Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:**

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

$w_i$ = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

**Characterization of CRM/RM by One Method**

**Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:**

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

$X_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

## 4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

### 4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

### 4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

### 4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

## 5.0 TRACE METALLIC IMPURITIES (TMI ) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

## 6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

## 7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

### 7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

**HF Note:** This standard should not be prepared or stored in glass.

**Low Silver Note:** This solution contains “LOW” levels of Silver. Please store this entire bottle inside a sealed glass jar.

## 8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

## 9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

## 10.0 QUALITY STANDARD DOCUMENTATION

### 10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

### 10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

### 10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

## 11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

### 11.1 Certification Issue Date

October 20, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

### 11.2 Lot Expiration Date

- **October 20, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

### 11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Approved By:**

Michael Booth
Director, Quality Control

**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director

**Absolute Standards, Inc.**
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www.absolutestandards.com

R: 09/08/22 (BH)

**Certified Reference Material CRM**

M5387 . M5389 . M5390 . M5391 . M5392

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AR-1539 Certificate Number
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1297

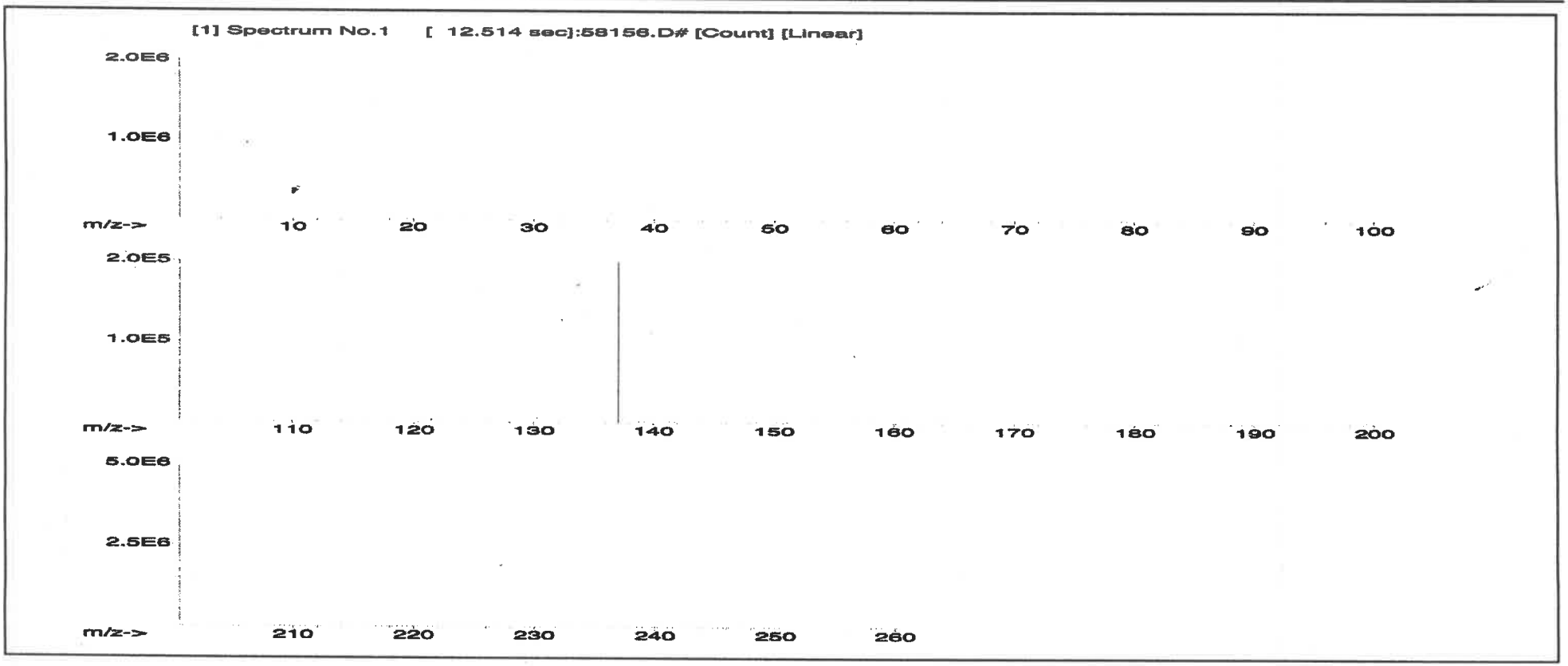
## CERTIFIED WEIGHT REPORT:

| | | | Lot # | |
|---|---|---|---|---|
| **Part Number:** | **57056** | **Solvent:** | 20510011 | Nitric Acid |
| **Lot Number:** | **072122** | | | |
| **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 |



**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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IN5497 - IN5498 R: 03/17/23 BH

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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 ± 0.058 Flask Uncertainty

| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 21110221 | Nitric Acid | |
| 2% | 60.0 (mL) | Nitric Acid | |

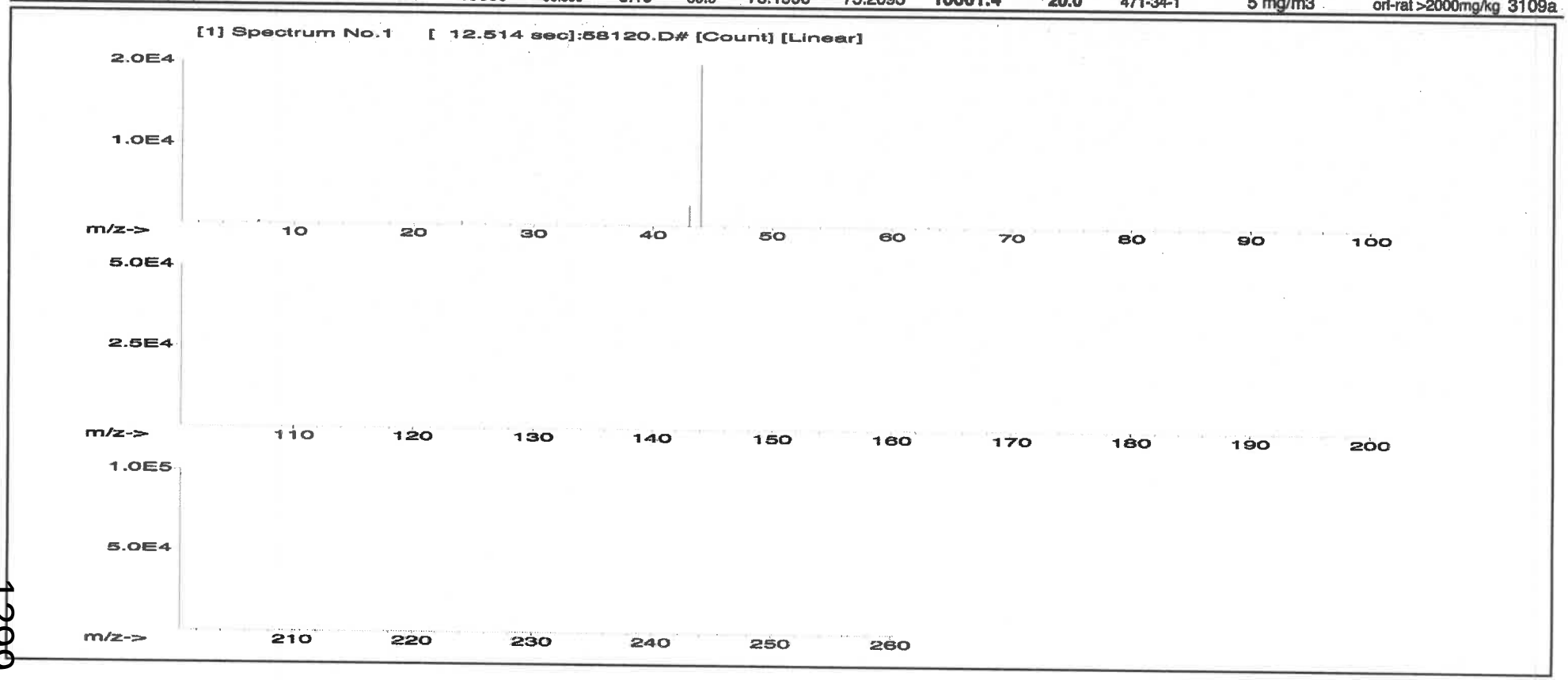
5E-05 Balance Uncertainty

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 |




1299

**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).

T300

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MS513 R:03/17/23

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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

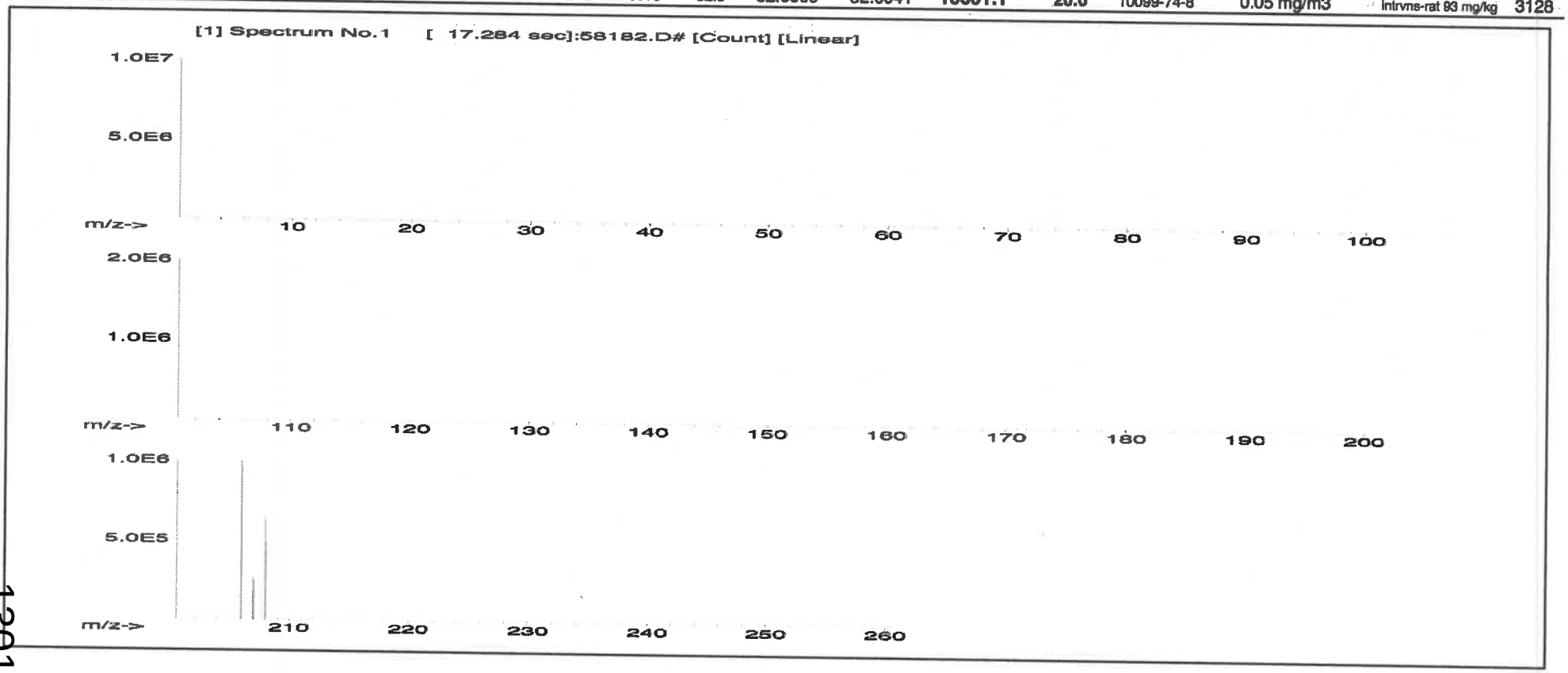
| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 20510011 | Nitric Acid | |
| 2% | 40.0 (mL) | Nitric Acid | |

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 |




1301

**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).

13302

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***Certified Reference Material CRM***

M5514 - M5515 R: 03/17/22

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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

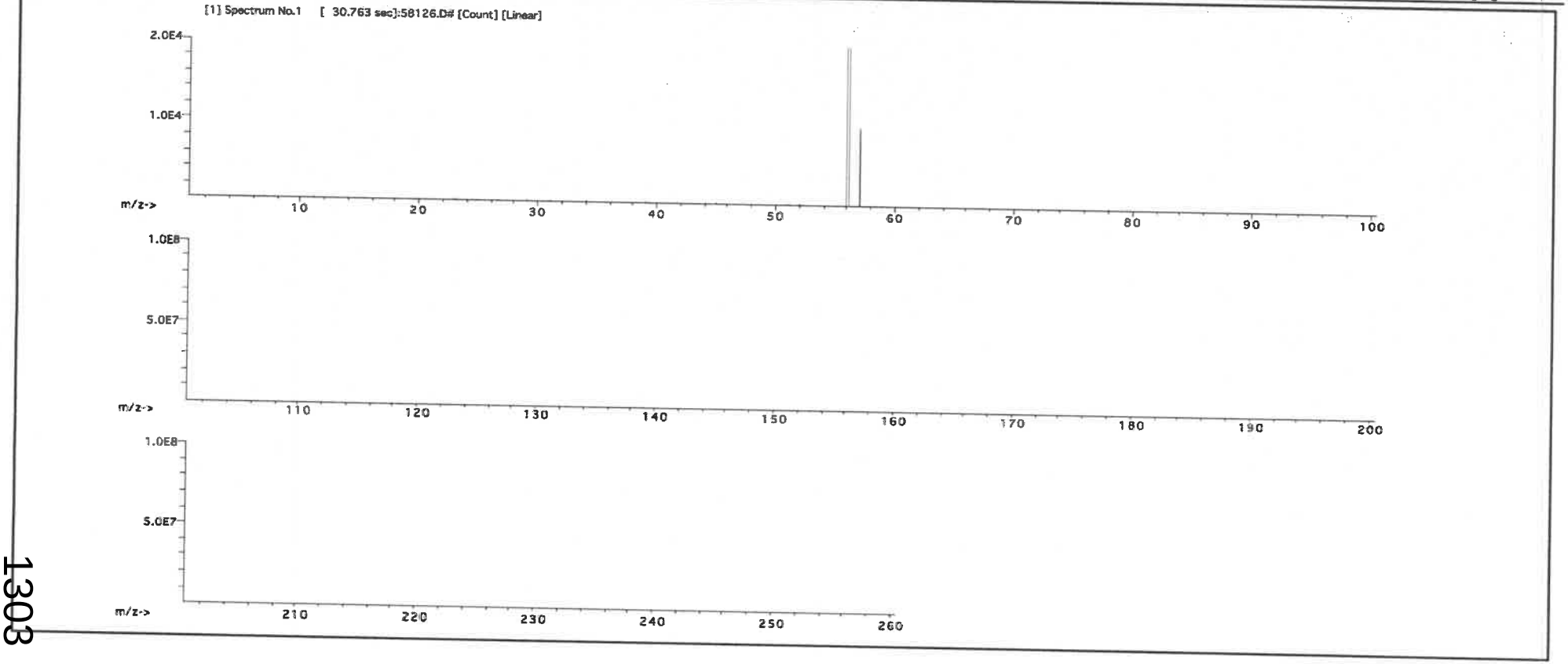
Giovanni Esposito

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 |




1303

**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:**

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).

1304

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*Certified Reference Material CRM*

M5519. M5520 (BH) R:03/17/23

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1305

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

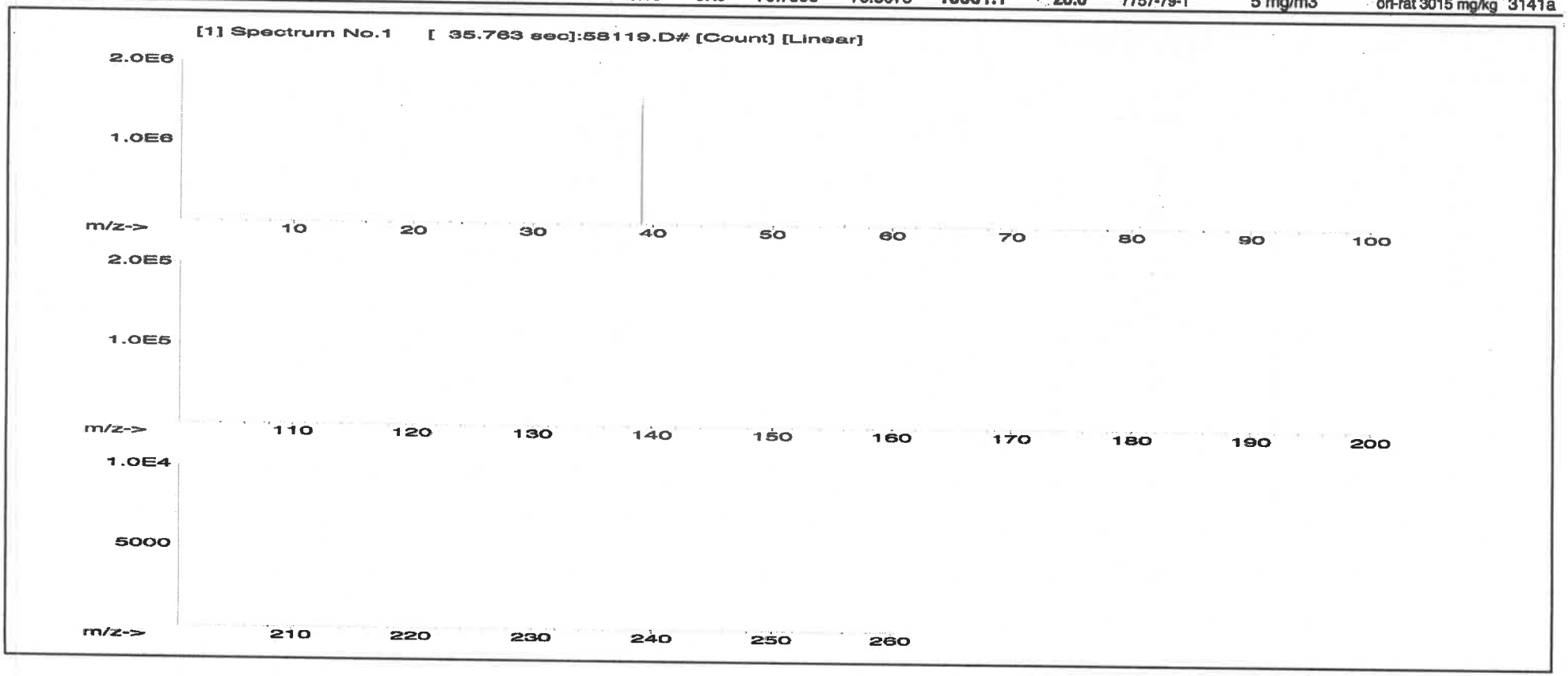
**Weight shown below was diluted to (mL):** 3000.4 ± 0.06 Flask Uncertainty

| | | Lot # | |
|---|---|---|---|
| **Solvent:** | 20510011 | | Nitric Acid |
| | 2% | 60.0 (mL) | Nitric Acid |
| | | 5E-05 | Balance Uncertainty |

Giovanni Esposito

| | | |
|---|---|---|
| Formulated By: | Giovanni Esposito | 120822 |
| 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 |



1306

**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).

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).

## 2.0 PRODUCT DESCRIPTION

| | |
|---|---|
| Product Code: | Multi Analyte Custom Grade Solution |
| Catalog Number: | CLPP-SPK-1 |
| Lot Number: | T2-MEB721963 |
| Matrix: | 7% (v/v) HNO3 |
| Value / Analyte(s): | 2 000 µg/mL ea: Aluminum, Barium, |
| | 1 000 µg/mL ea: Iron, |
| | 500 µg/mL ea: Manganese, Nickel, Vanadium, Zinc, Cobalt, |
| | 250 µg/mL ea: Copper, |
| | 200 µg/mL ea: Chromium, |
| | 50 µg/mL ea: Beryllium, Silver |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ANALYTE | CERTIFIED VALUE | ANALYTE | CERTIFIED VALUE |
|---|---|---|---|
| Aluminum, Al | 2 000 ± 7 µg/mL | Barium, Ba | 2 000 ± 9 µg/mL |
| Beryllium, Be | 50.00 ± 0.26 µg/mL | Chromium, Cr | 200.0 ± 1.1 µg/mL |
| Cobalt, Co | 500.0 ± 2.4 µg/mL | Copper, Cu | 250.0 ± 1.0 µg/mL |
| Iron, Fe | 1 000 ± 4 µg/mL | Manganese, Mn | 500.0 ± 2.0 µg/mL |
| Nickel, Ni | 500.0 ± 2.2 µg/mL | Silver, Ag | 50.00 ± 0.22 µg/mL |
| Vanadium, V | 500.0 ± 2.2 µg/mL | Zinc, Zn | 500.0 ± 2.2 µg/mL |

**Density:** 1.070 g/mL (measured at 20 ± 4 °C)

**Assay Information:**

| ANALYTE | METHOD | NIST SRM# | SRM LOT# |
|---|---|---|---|
| Ag | ICP Assay | 3151 | 160729 |
| Ag | Volhard | 999c | 999c |
| Ag | Calculated | | See Sec. 4.2 |
| Al | ICP Assay | 3101a | 140903 |
| Al | EDTA | 928 | 928 |
| Ba | ICP Assay | 3104a | 140909 |
| Ba | Gravimetric | | See Sec. 4.2 |
| Be | ICP Assay | 3105a | 090514 |
| Be | Calculated | | See Sec. 4.2 |
| Co | ICP Assay | 3113 | 190630 |
| Co | EDTA | 928 | 928 |
| Cr | ICP Assay | 3112a | 170630 |
| Cu | ICP Assay | 3114 | 121207 |
| Cu | EDTA | 928 | 928 |
| Fe | ICP Assay | 3126a | 140812 |
| Fe | EDTA | 928 | 928 |
| Mn | ICP Assay | 3132 | 050429 |
| Mn | EDTA | 928 | 928 |
| Ni | ICP Assay | 3136 | 120619 |
| Ni | EDTA | 928 | 928 |
| V | IC Assay | 3165 | 160906 |
| V | EDTA | 928 | 928 |
| Zn | ICP Assay | 3168a | 120629 |
| Zn | EDTA | 928 | 928 |

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

### Characterization of CRM/RM by Two or More Methods

**Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:**

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = 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 ($t$) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$**

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 ($t$) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$**

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)

N/A

## 6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

## 7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

### 7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

**Note**: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information.

https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver

## 8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

## 9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

## 10.0 QUALITY STANDARD DOCUMENTATION

### 10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

### 10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

### 10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

## 11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

### 11.1 Certification Issue Date

July 27, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

### 11.2 Lot Expiration Date

**- July 27, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

### 11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Approved By:**

Thomas Kozikowski
Manager, Quality Control

**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director

# CORCO CHEMICAL CORPORATION

Manufacturers of ACS Reagents and Semiconductor Grade Chemicals

## CERTIFICATE OF ANALYSIS

**Date: 8/3/2022** MS631 MS632 MS633 MS634 **Lot No 820803**

**Hydrogen Peroxide, ACS**
Reagent Grade

| TEST | MAXIMUM LIMITS | RESULT |
|---|---|---|
| Appearance | Colorless and free from suspended matter or sediment | Pass |
| Assay | 29-32% | 31.4% |
| Color (APHA) | 10 | 5 |
| Residue after Evaporation | 0.002% | .0001% |
| Titratable Acid | 0.0006 meq/g | < .0006 meq/g |
| Chloride (Cl) | 2 ppm | < 1 ppm |
| Nitrate ($NO_3$) | 2 ppm | < 1 ppm |
| Phosphate | 2 ppm | < 1 ppm |
| Sulfate ($SO_4$) | 5 ppm | < .5 ppm |
| Ammonium ($NH_4$) | 5 ppm | < 1 ppm |
| Heavy Metals (as Pb) | 1 ppm | < .1 ppm |
| Iron (Fe) | 0.5 ppm | < .1 ppm |
| Sodium Stannate | 200 – 300 ppb | Pass |

***Our Hydrogen Peroxide is considered un-stabilized because it is very slightly stabilized with Sodium Stannate, 500 ppb maximum, just for safety purposes.

**Date of MFG: 8/2022**
**Retest date: 8/2024**

Gina M. Rambo
**Office Manager**

CORCO CHEMICAL CORPORATION. 299 CEDAR LANE. FAIRLESS HILLS, PA 19030. 215-295-5006. FAX 215-295-0781

INORGANIC VENTURES
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# Certificate of Analysis

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M5657 A: 8/29/22

P: 800-669-6799/540-585-3030
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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: | CLPP-SPK-4 |
| Lot Number: | T2-MEB721144 |
| Matrix: | 3% (v/v) HNO3 |
| Value / Analyte(s): | 100 µg/mL ea: Antimony, |
| | 50 µg/mL ea: Cadmium, Thallium, |
| | 40 µg/mL ea: Arsenic, |
| | 20 µg/mL ea: Lead, |
| | 10 µg/mL ea: Selenium |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ANALYTE | CERTIFIED VALUE | ANALYTE | CERTIFIED VALUE |
|---|---|---|---|
| Antimony, Sb | 99.9 ± 0.8 µg/mL | Arsenic, As | 40.00 ± 0.25 µg/mL |
| Cadmium, Cd | 49.96 ± 0.22 µg/mL | Lead, Pb | 19.99 ± 0.10 µg/mL |
| Selenium, Se | 10.00 ± 0.06 µg/mL | Thallium, Tl | 49.96 ± 0.32 µg/mL |

**Density:** 1.014 g/mL (measured at 20 ± 4 °C)

**Assay Information:**



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| ANALYTE | METHOD | NIST SRM# | SRM LOT# |
|---|---|---|---|
| As | ICP Assay | traceable to 3103a | R2-AS691113 |
| Cd | ICP Assay | 3108 | 130116 |
| Cd | EDTA | 928 | 928 |
| Cd | Calculated | | See Sec. 4.2 |
| Pb | ICP Assay | 3128 | 101026 |
| Pb | EDTA | 928 | 928 |
| Pb | Calculated | | See Sec. 4.2 |
| Sb | ICP Assay | 3102a | 140911 |
| Se | ICP Assay | 3149 | 100901 |
| Se | Calculated | | See Sec. 4.2 |
| Tl | ICP Assay | 3158 | 151215 |
| Tl | Calculated | | See Sec. 4.2 |

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

**Characterization of CRM/RM by Two or More Methods**

**Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:**

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

$w_i$ = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

**CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$**

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

**Characterization of CRM/RM by One Method**

**Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:**

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

$X_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

**CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$**

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

## 4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

### 4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

### 4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

### 4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

## 5.0 TRACE METALLIC IMPURITIES (TMI ) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

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

July 07, 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 07, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

**11.3 Period of Validity**

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Approved By:**

Thomas Kozikowski
Manager, Quality Control

**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

*Certified Reference Material CRM*

M5658 R ! 8/25/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

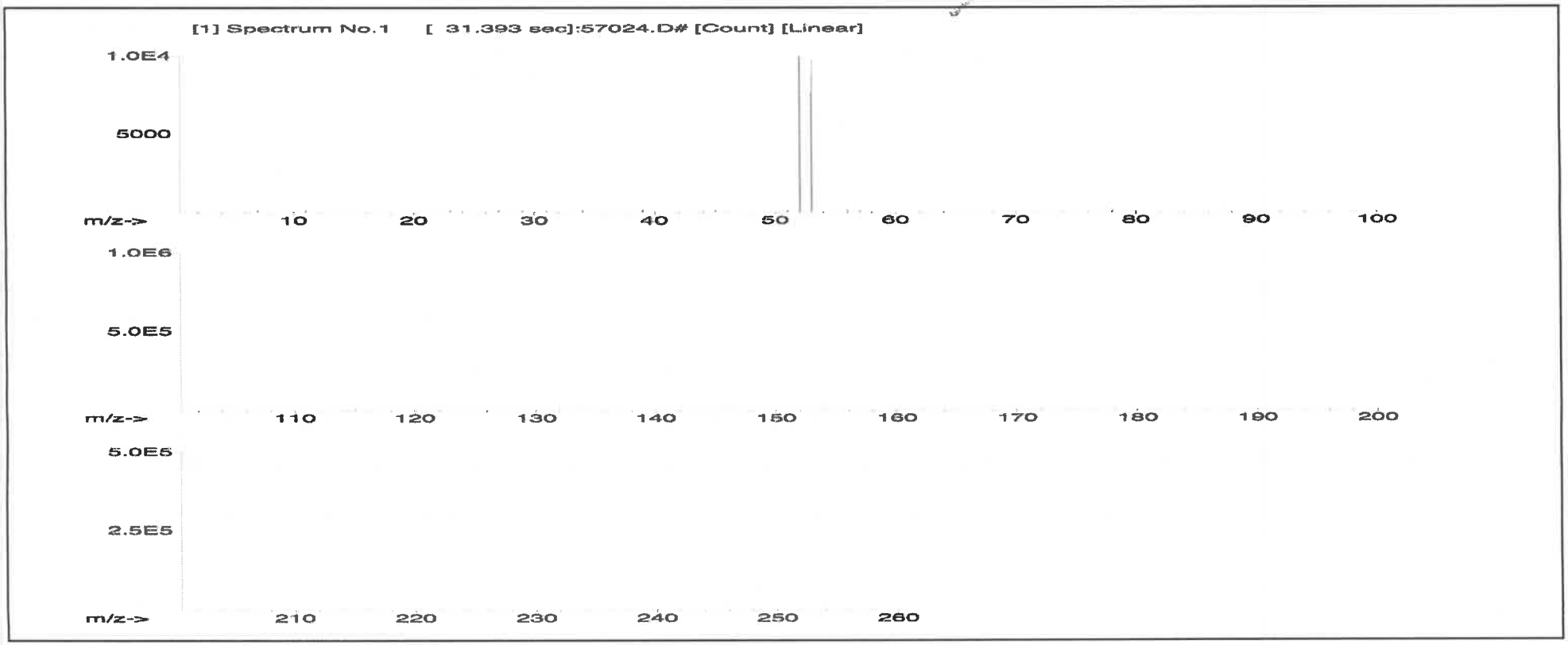
1316

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 |



**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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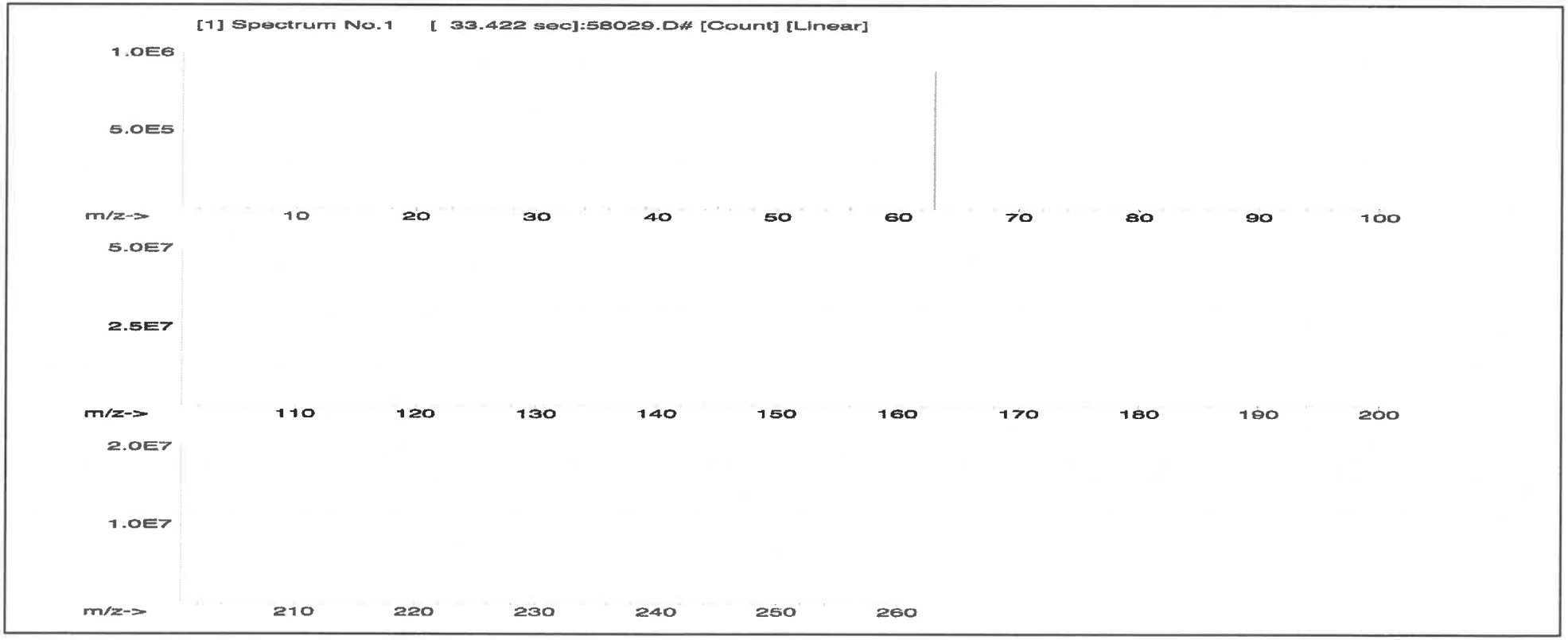
1318

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 |



1319

**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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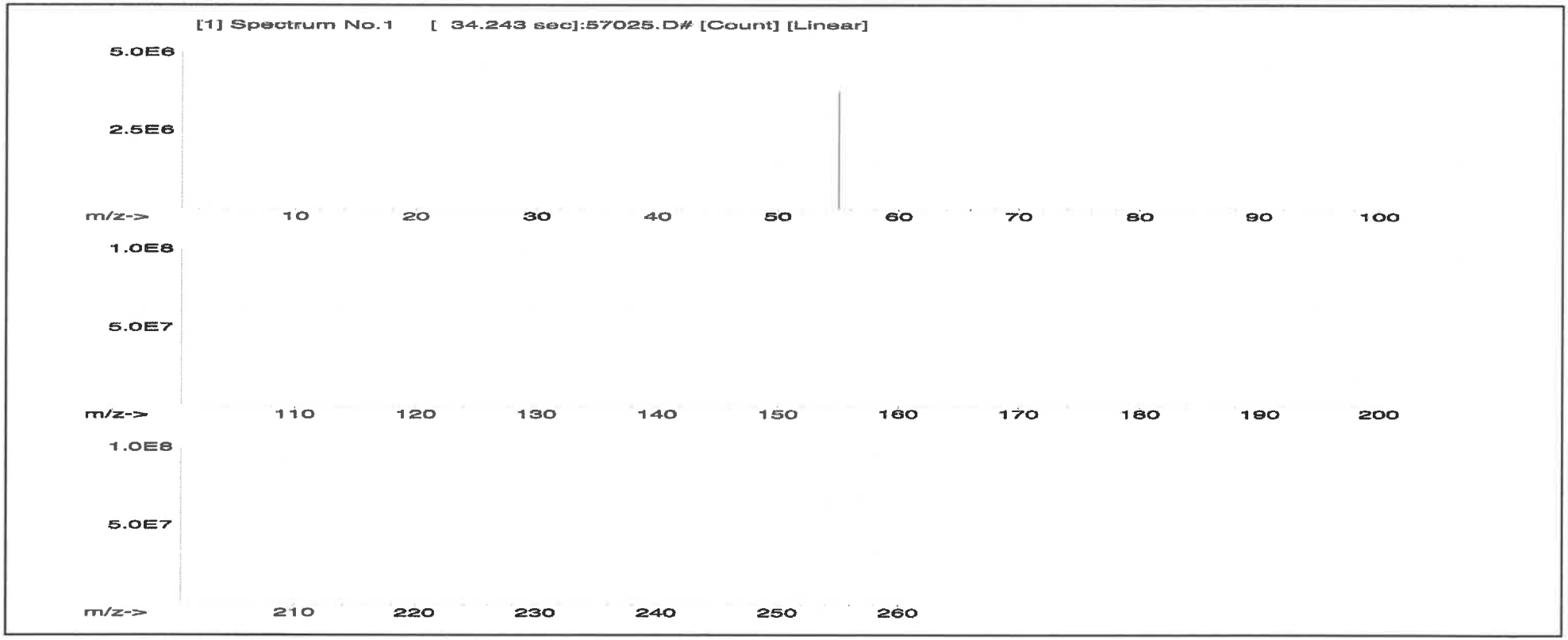
1320

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 |



1321

**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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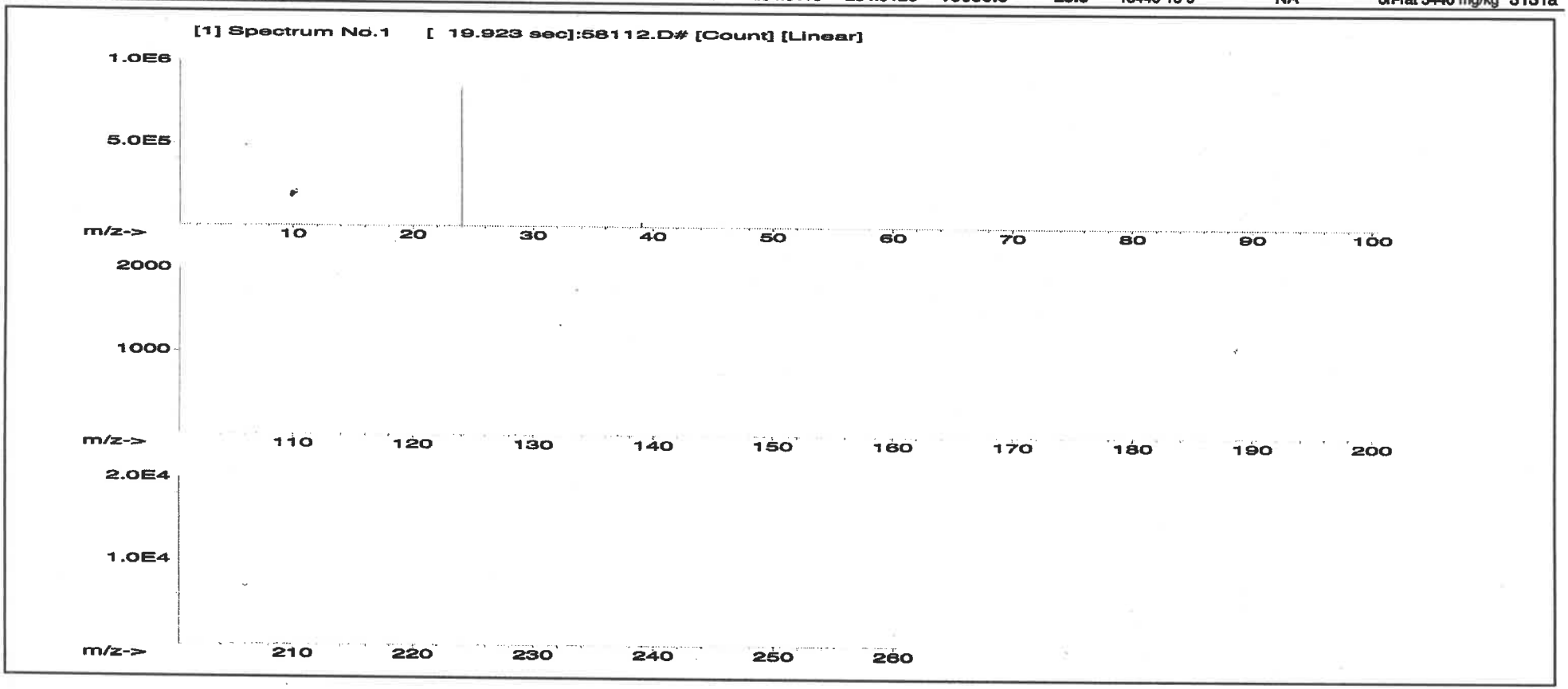
1322

**CERTIFIED WEIGHT REPORT:**

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **58112** | | **Lot #** | | |
| **Lot Number:** | **091823** | **Solvent:** | 24002546 | Nitric Acid | |
| **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 | ori-rat 5440 mg/kg | 3131a |



1323

**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | T | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
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* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
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1324

## CERTIFIED WEIGHT REPORT:

**Part Number:** 58112
**Lot Number:** 091823
**Description:** Magnesium (Mg)

**Expiration Date:** 091826
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB

**Weight shown below was diluted to (mL):** 2000.02 0.058 Flask Uncertainty

| | Lot # | | |
|---|---|---|---|
| **Solvent:** | 24002546 | Nitric Acid | |
| | 2% | 40.0 (mL) | Nitric Acid |

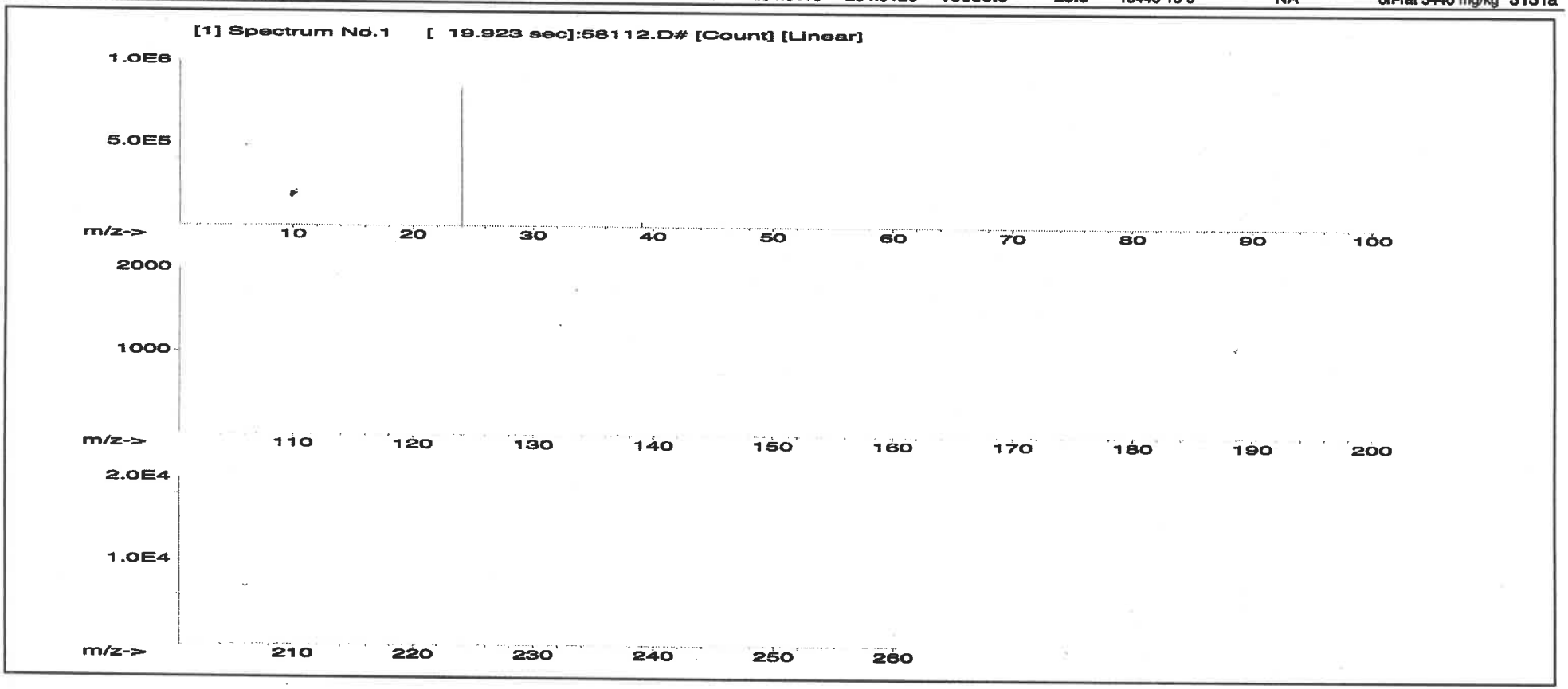
5E-05 Balance Uncertainty

M5768, M5769 (BP) R: 1/3/24

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 |



1325

**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | T | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
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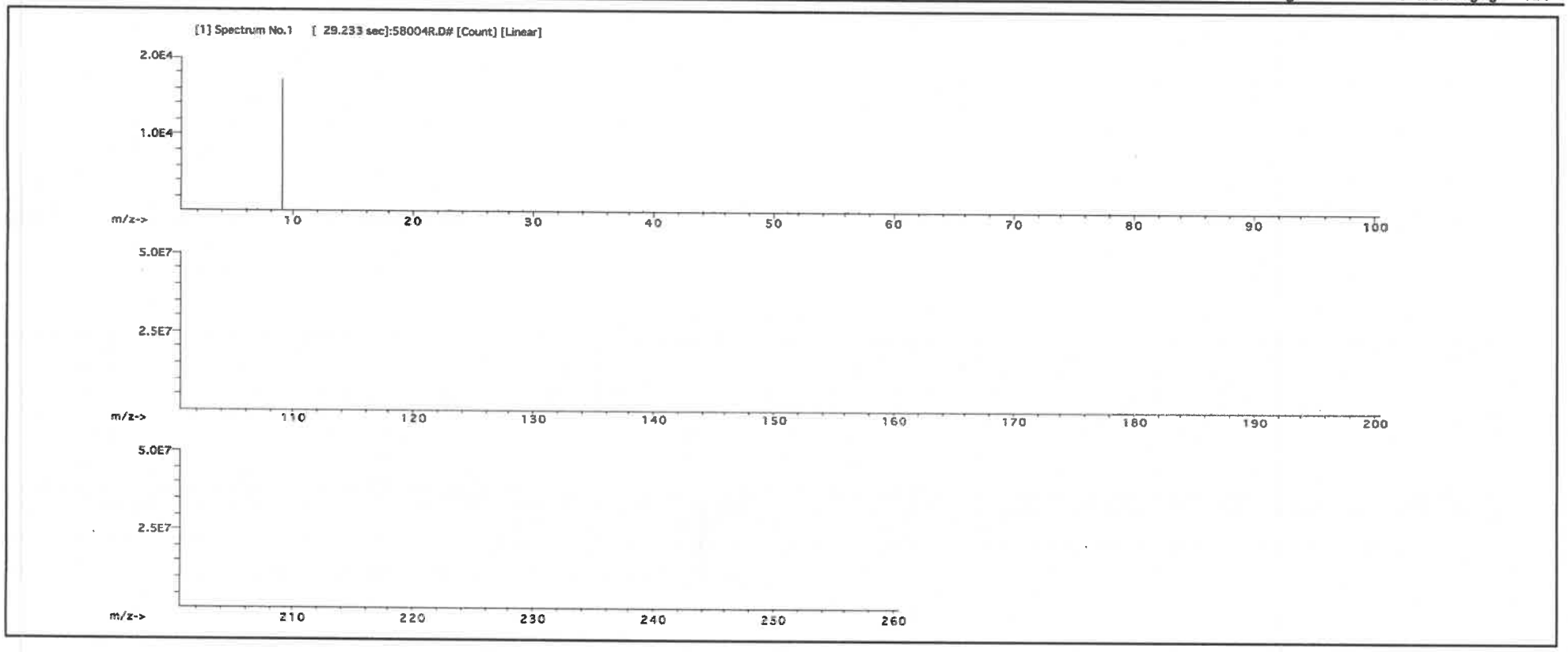
1326

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 |



**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.
* 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).

1327

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1328

## CERTIFIED WEIGHT REPORT:

**Part Number:** 57050
**Lot Number:** 071123
**Description:** Tin (Sn)

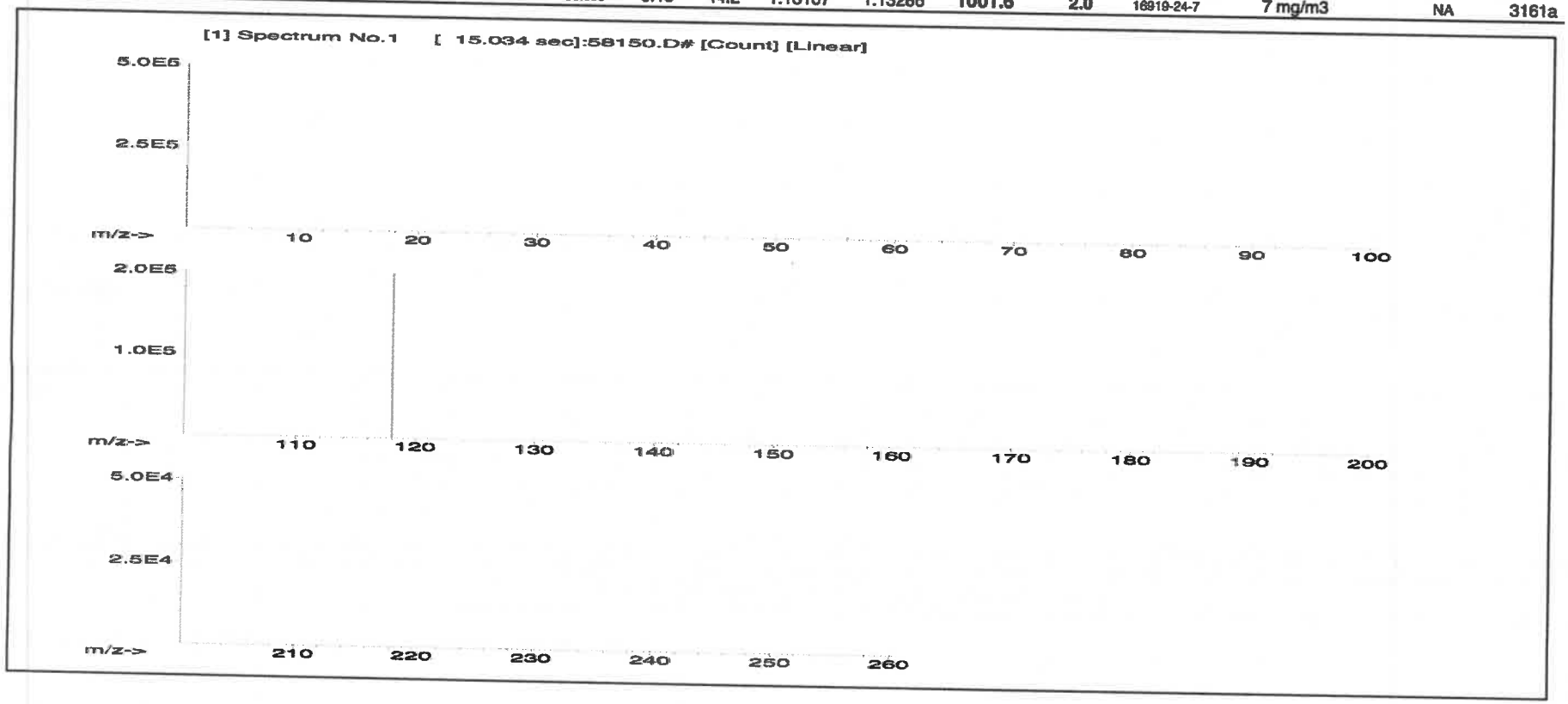
**Expiration Date:** 071126
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 1000
**NIST Test Number:** 6UTB
**Weight shown below was diluted to (mL):** 499.93

| | Lot # | |
|---|---|---|
| **Solvents:** | 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 |



1329

**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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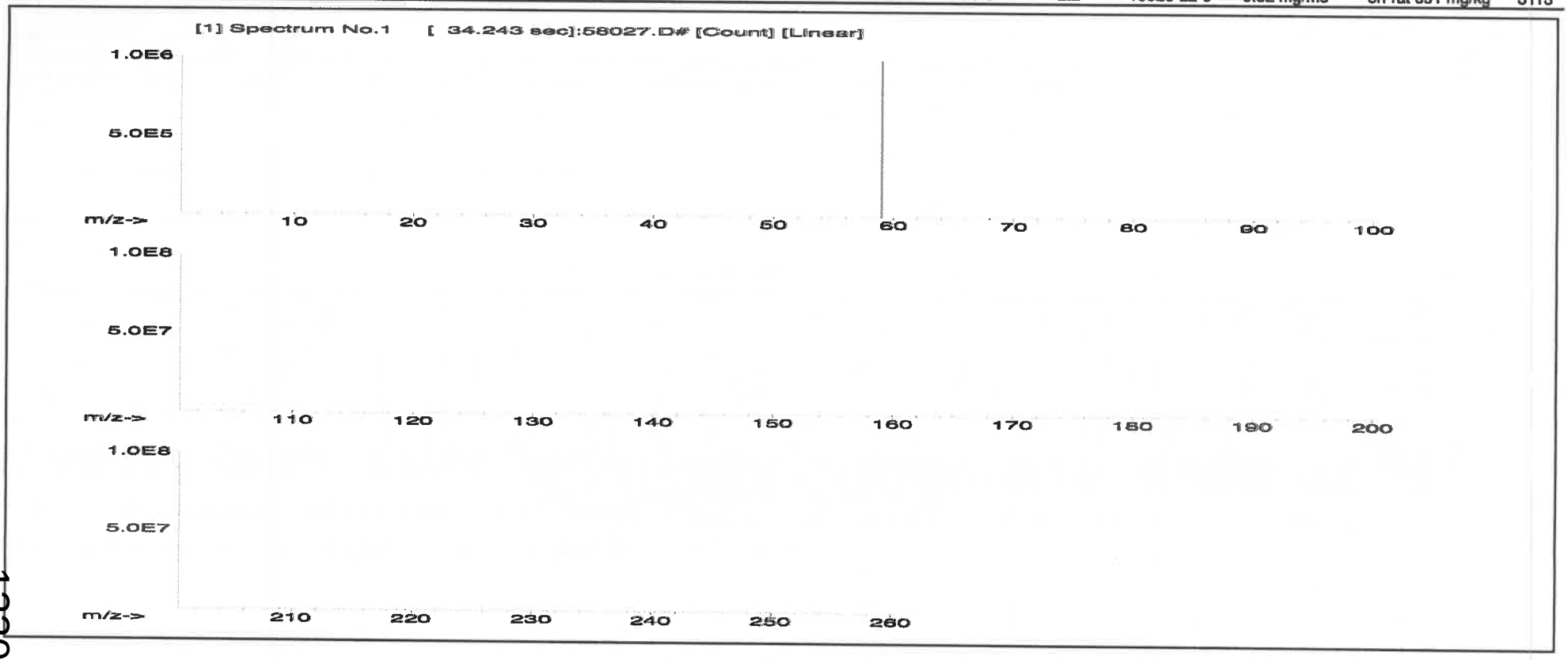
CERTIFIED WEIGHT REPORT:

| | | 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 |




1330

**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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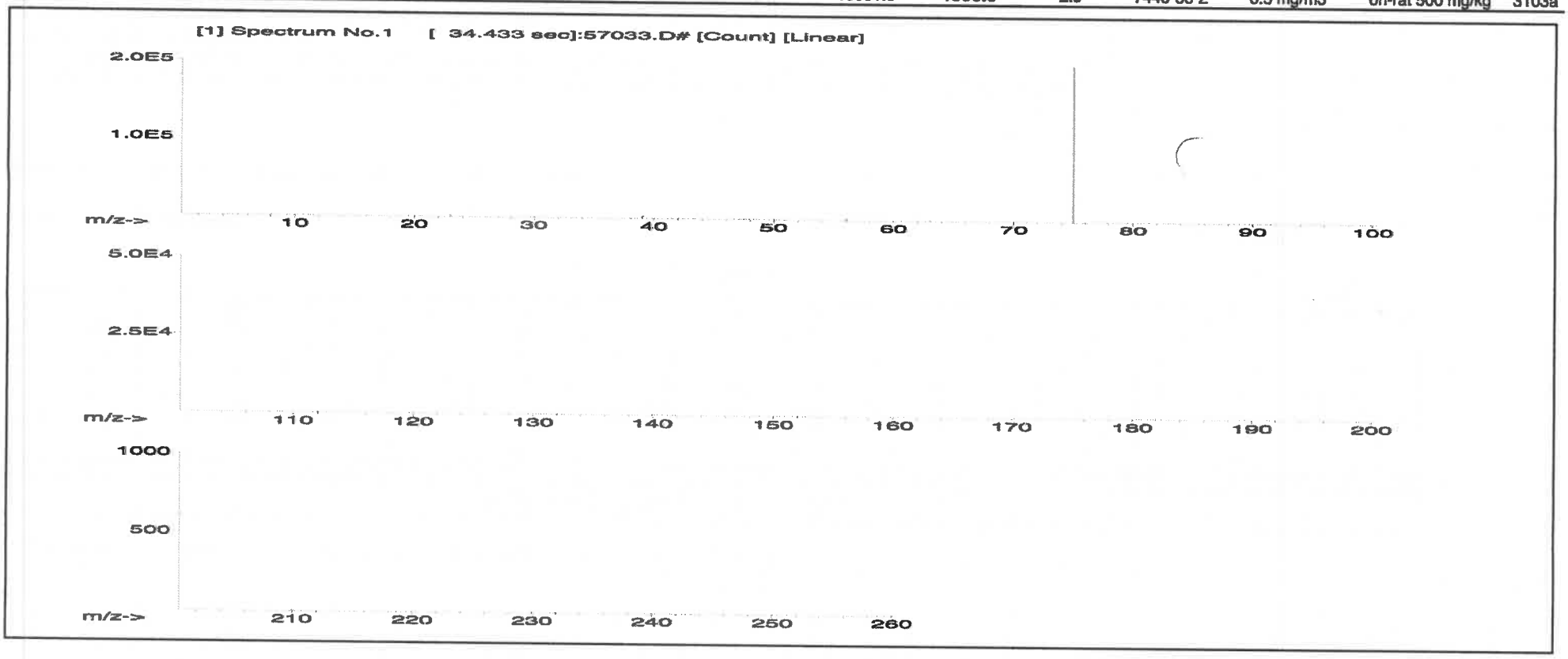
1332

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 |



1333

**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:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

**Certified by:**

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
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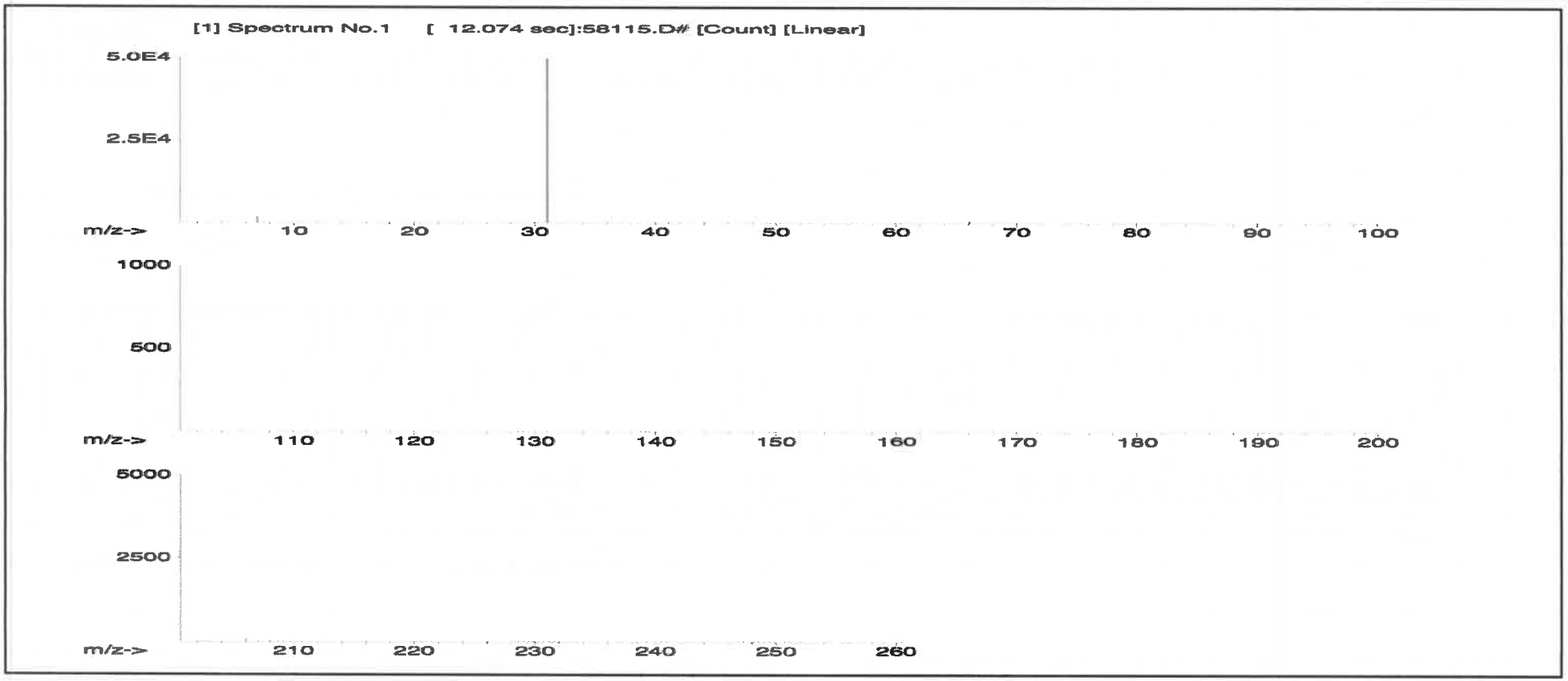
1334

CERTIFIED WEIGHT REPORT:

| | | | Lot # | |
|---|---|---|---|---|
| **Part Number:** | **57115** | **Solvent:** | 21110221 | Nitric Acid |
| **Lot Number:** | **041723** | | | |
| **Description:** | **Phosphorous (P)** | 2% | 40.0 (mL) | Nitric Acid |
| **Expiration Date:** | 041726 | | | |
| **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 | |

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



**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.
* All standard containers are meticulously cleaned prior to use.
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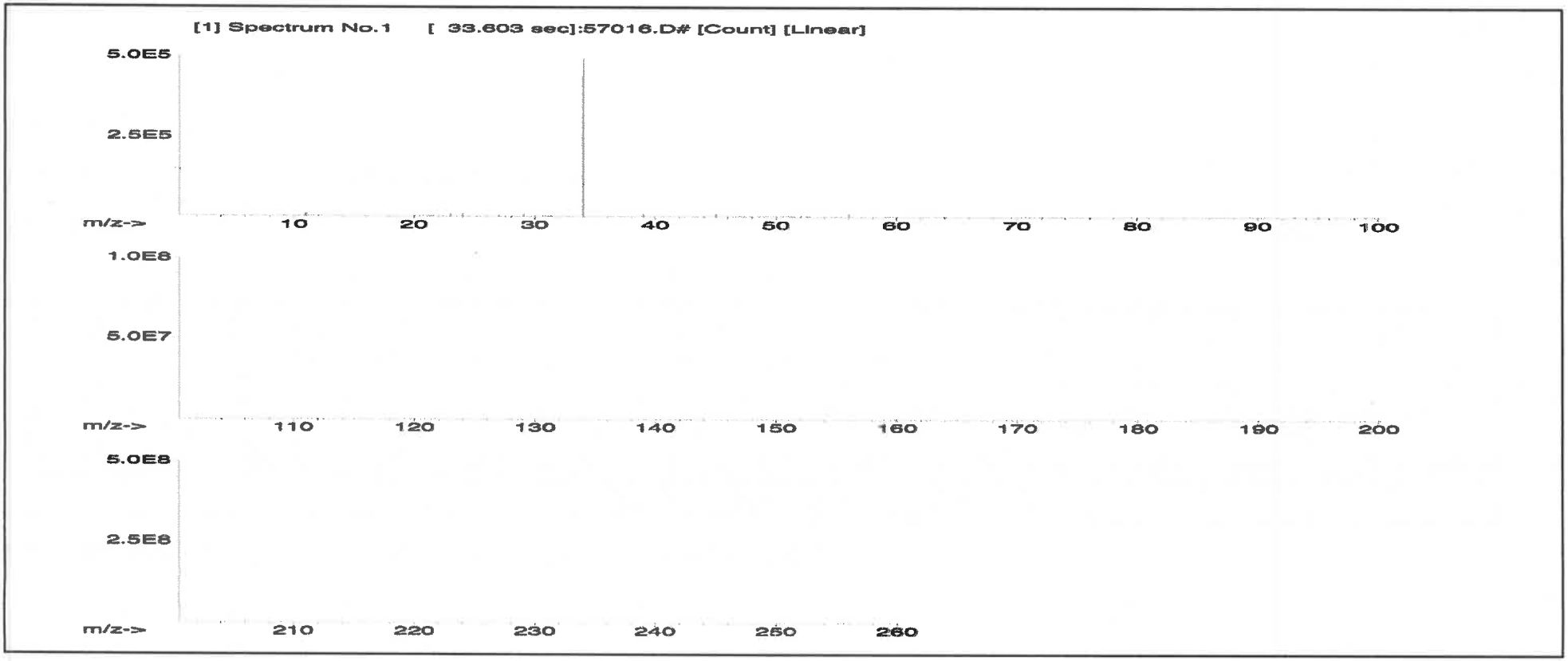
1336

CERTIFIED WEIGHT REPORT:

| | | | | |
|---|---|---|---|---|
| **Part Number:** | **57016** | **Solvent:** | **Lot #** 122923 | ASTM Type 1 Water |
| **Lot Number:** | **122923** | | | |
| **Description:** | **Sulfur (S)** | | | |
| **Expiration Date:** | 122926 | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | |
| **Weight shown below was diluted to (mL):** | 4000.0 | 0.06 | Flask Uncertainty | |

| | | |
|---|---|---|
| Formulated By: | Benson Chan | 122923 |
| Reviewed By: | Pedro L. Rentas | 122923 |

| 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 | 1000 | 99.9 | 0.10 | 24.3 | 16.4979 | 16.4980 | **1000.0** | **2.0** | 7783-20-2 | NA | orl-rat 4250mg/kg | 3181 |



1337

**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.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
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1338

CERTIFIED WEIGHT REPORT:

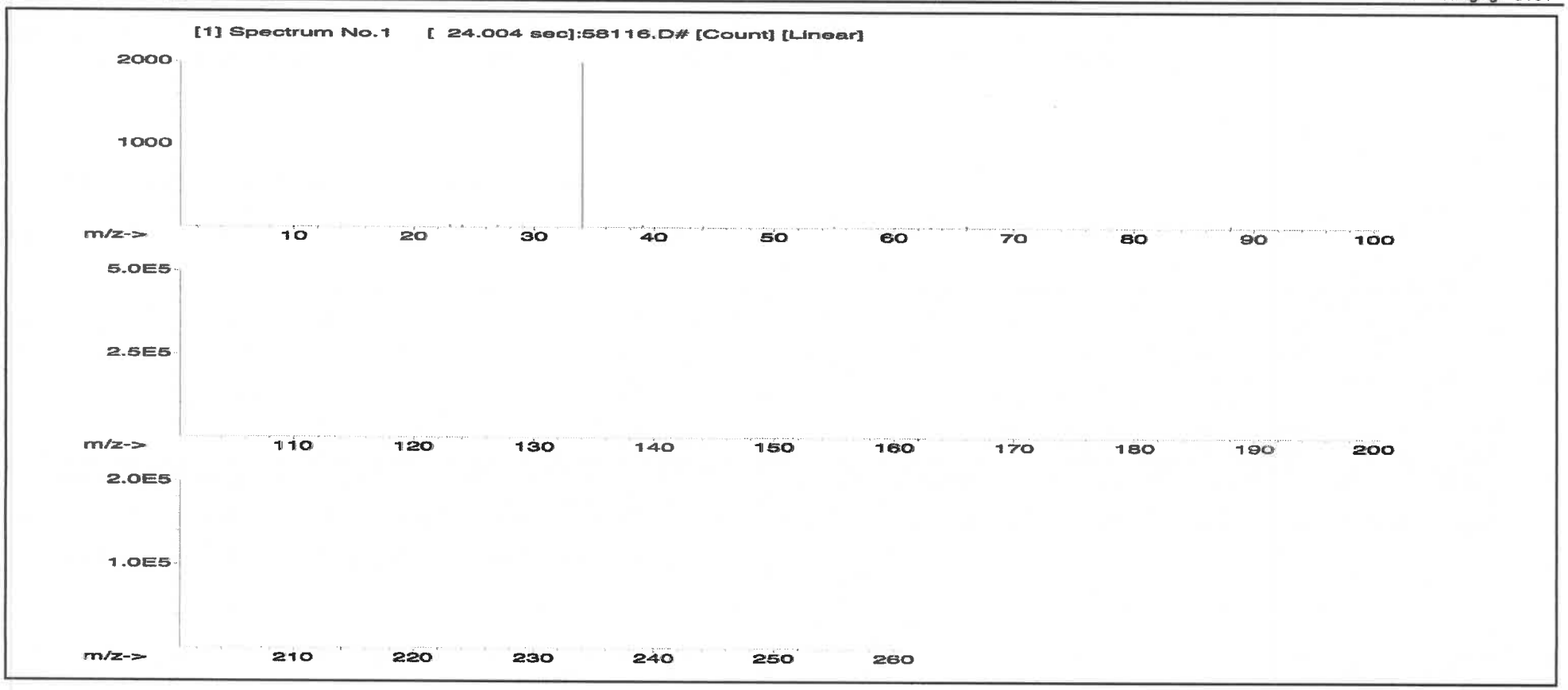
**Part Number:** 57116
**Lot Number:** 071123
**Description:** Sulfur (S)

**Lot #**
**Solvent:** 071123 ASTM Type 1 Water

**Expiration Date:** 071126
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test Number:** 6UTB 5E-05 Balance Uncertainty
**Weight shown below was diluted to (mL):** 1999.48 0.058 Flask Uncertainty

| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 071123 |
| Reviewed By: | Pedro L. Rentas | 071123 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Ammonium sulfate (S) | IN117 | SLBR7225V | 10000 | 99.9 | 0.10 | 24.3 | 82.4675 | 82.4682 | **10000.1** | **20.0** | 7783-20-2 | NA | orl-rat 4250mg/kg | 3181 |



1339

**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.
* 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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1340

## 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

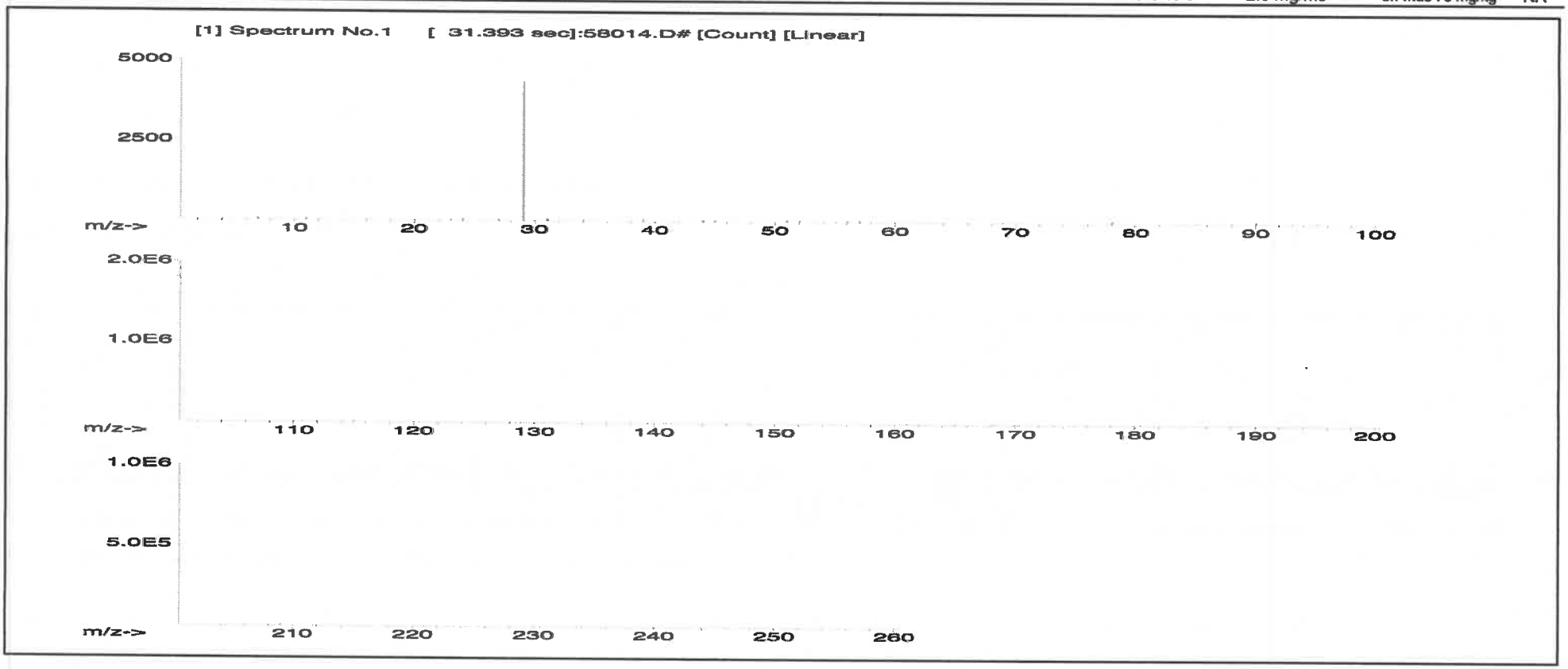
Aleah O'Brady

Formulated By: Aleah O'Brady 122023

Pedro Rentas

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 |



13411

**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:**

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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1342

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

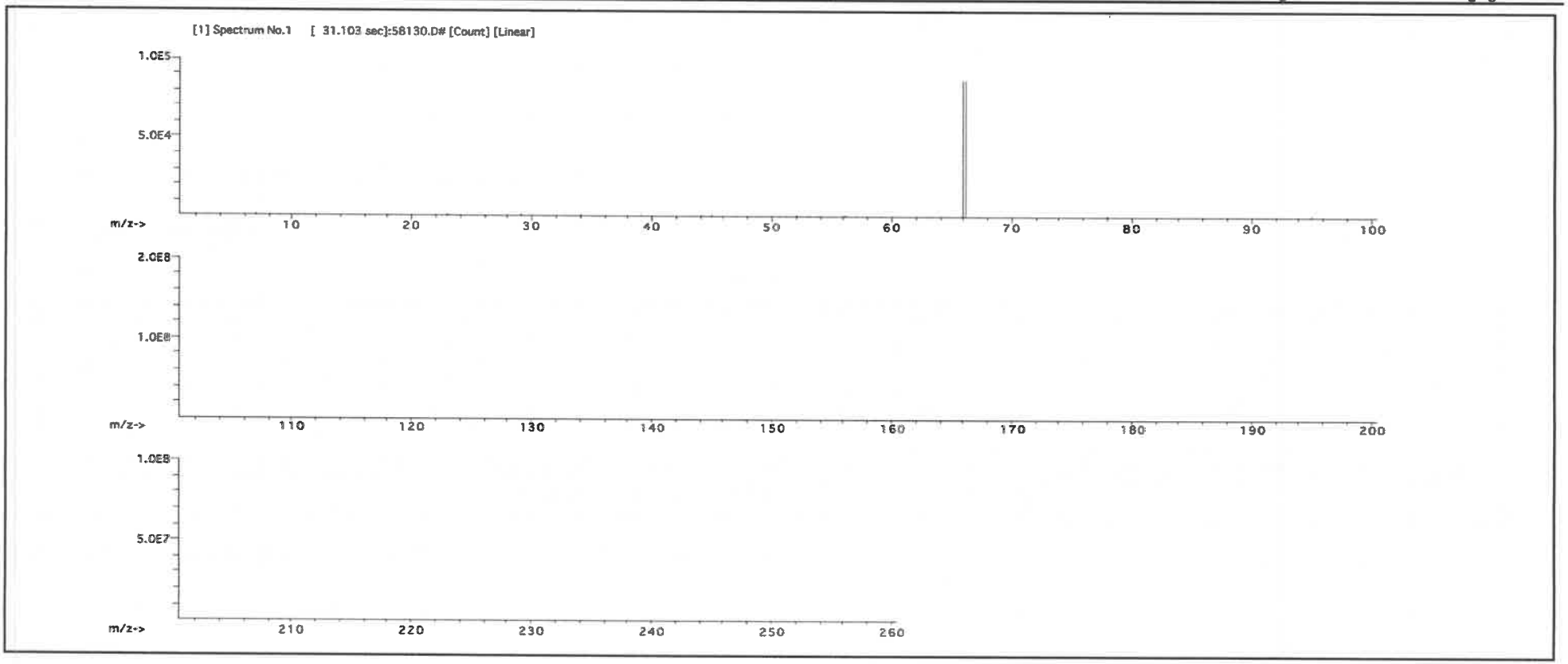
**Weight shown below was diluted to (mL):** 3000.4 0.06 Flask Uncertainty

| | | Lot # | |
|---|---|---|---|
| **Solvent:** | 24002546 | Nitric Acid | |
| | 2% | 60.0 (mL) | Nitric Acid |

5E-05 Balance Uncertainty

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



**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.
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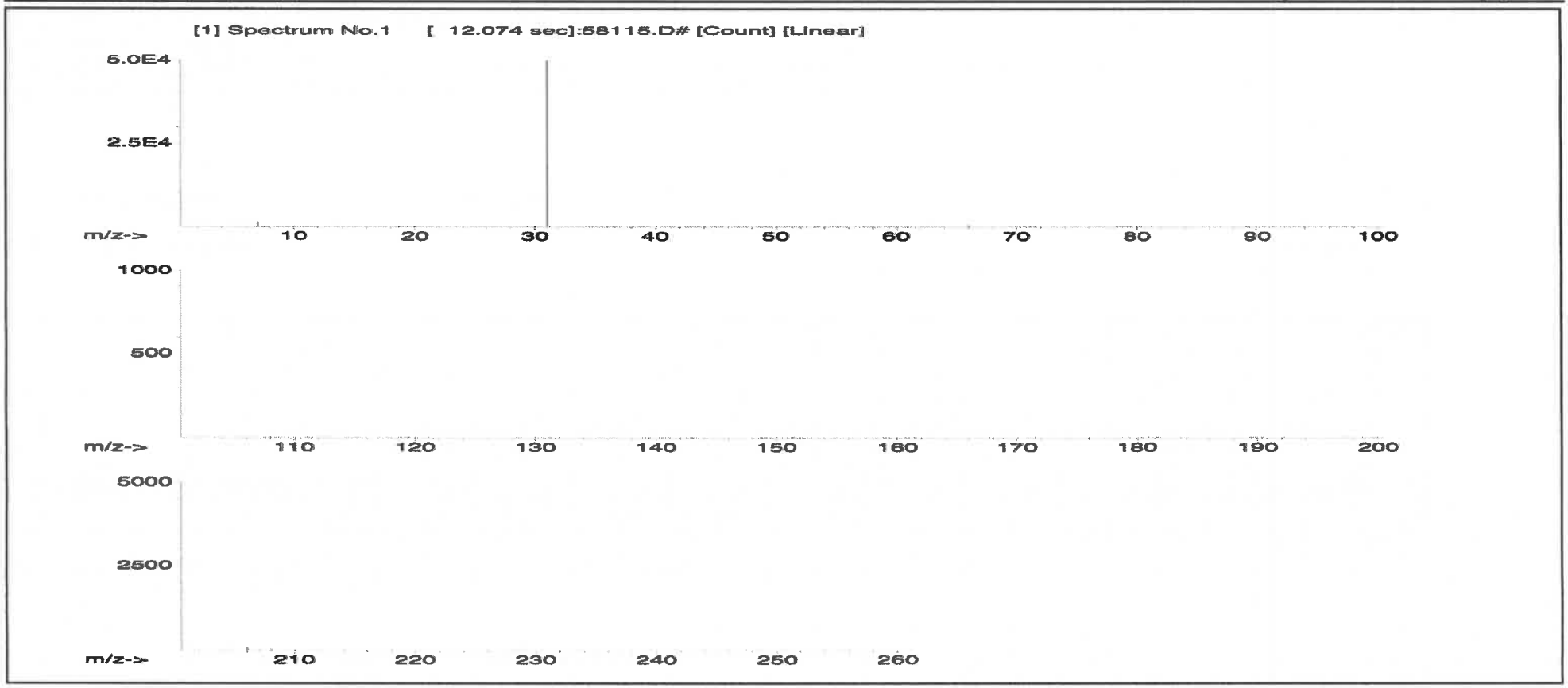
1344

CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **57015** | | **Lot #** | | |
| **Lot Number:** | **091123** | **Solvent:** | 24002546 | Nitric Acid | |
| **Description:** | **Phosphorous (P)** | | | | |
| | | 2% | 40.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 091126 | | | | |
| **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 | | |

| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 091123 |
| Reviewed By: | Pedro L. Rentas | 091123 |

| 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 | 1000 | 99.999 | 0.10 | 27.5 | 7.2729 | 7.2730 | **1000.0** | **2.0** | 7722-76-1 | 5 mg/m3 | rl-rat >2000mg/k | 3186 |



1345

**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 | 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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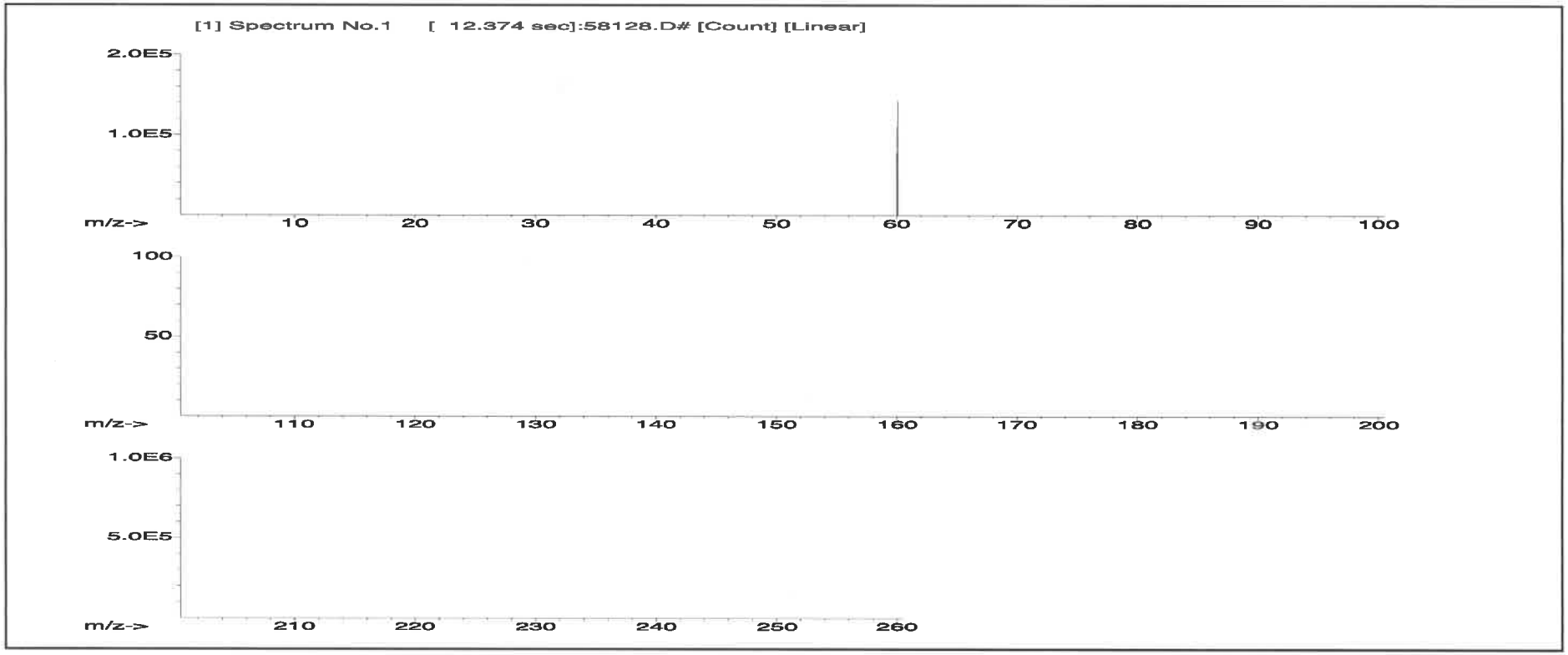
1346

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 |



1347

**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.
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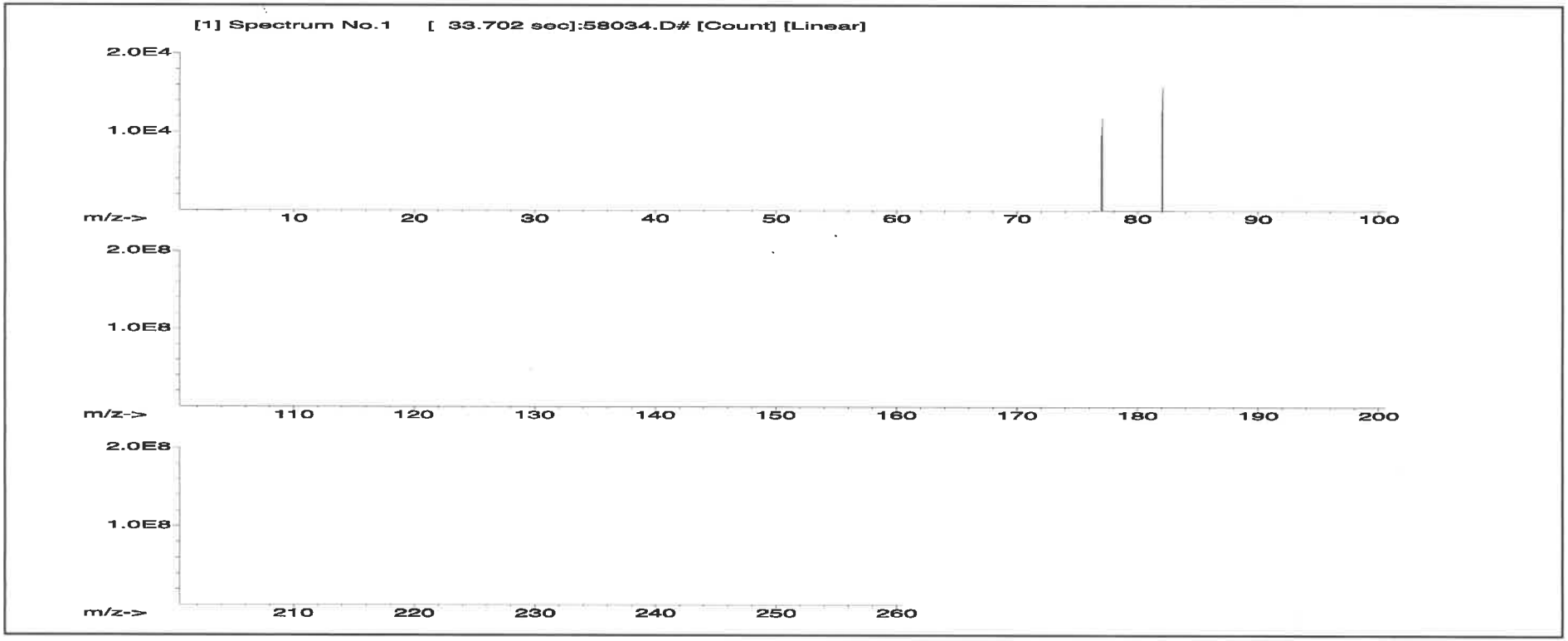
1348

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 |



**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | T | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

**Certified by:**

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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# Certificate of Analysis

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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



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## 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



## 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

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M5978, M5979

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# Certificate of Analysis

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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: | CGTI1 |
| Lot Number: | T2-TI719972 |
| Matrix: | 2% (v/v) HNO3<br>tr. HF |
| Value / Analyte(s): | 1 000 µg/mL ea:<br>Titanium |
| Starting Material: | Ti Metal |
| Starting Material Lot#: | 2094 |
| Starting Material Purity: | 99.9975% |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Value:** 1002 ± 5 µg/mL

**Density:** 1.012 g/mL (measured at 20 ± 4 °C)

**Assay Information:**

**Assay Method #1** **1002 ± 4 µg/mL**
ICP Assay NIST SRM 3162a Lot Number: 130925

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

**Characterization of CRM/RM by Two or More Methods**

**Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:**

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$
$w_i$ = the weighting factors for each method calculated using the inverse square of the variance

$w_i = (1/u_{char\ i}^2) / (\Sigma(1/u_{char\ i}^2))$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = (\Sigma(w_i)^2\ (u_{char\ i})^2)^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty
$u_{lts}$ = long term stability standard uncertainty (storage)
$u_{ts}$ = transport stability standard uncertainty

**Characterization of CRM/RM by One Method**

**Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:**

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

$X_a$ = mean of Assay Method A with
$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization
$u_{bb}$ = bottle to bottle homogeneity standard uncertainty
$u_{lts}$ = long term stability standard uncertainty (storage)
$u_{ts}$ = transport stability standard uncertainty

## 4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

### 4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

### 4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

### 4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

## 5.0 TRACE METALLIC IMPURITIES (TMI ) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M | Ag | < | 0.000536 | M | Eu | < | 0.000268 | O | Na | < | 0.032670 | M | Se | | 0.001204 | O | Zn | < | 0.003267 |
| O | Al | | 0.000872 | O | Fe | | 0.003225 | O | Nb | < | 0.043560 | O | Si | | 0.004735 | O | Zr | < | 0.043560 |
| M | As | < | 0.008586 | M | Ga | < | 0.000268 | M | Nd | < | 0.000268 | M | Sm | < | 0.000268 | | | | |
| M | Au | < | 0.004577 | M | Gd | < | 0.000268 | O | Ni | < | 0.010890 | M | Sn | | 0.000096 | | | | |
| O | B | < | 0.008929 | M | Ge | < | 0.002146 | M | Os | < | 0.000269 | O | Sr | | 0.000096 | | | | |
| M | Ba | < | 0.002683 | M | Hf | | 0.002161 | O | P | < | 0.054450 | M | Ta | | 0.010560 | | | | |
| M | Be | < | 0.005366 | M | Hg | < | 0.003231 | M | Pb | < | 0.001073 | M | Tb | < | 0.000268 | | | | |
| M | Bi | < | 0.001609 | M | Ho | < | 0.000268 | M | Pd | < | 0.000268 | M | Te | < | 0.001341 | | | | |
| O | Ca | | 0.000676 | M | In | < | 0.002683 | M | Pr | < | 0.000268 | M | Th | < | 0.053663 | | | | |
| M | Cd | < | 0.000268 | M | Ir | < | 0.000269 | M | Pt | < | 0.000536 | s | Ti | < | | | | | |
| M | Ce | < | 0.000268 | M | K | | 0.001172 | M | Rb | < | 0.000268 | M | Tl | < | 0.000268 | | | | |
| M | Co | < | 0.004293 | M | La | < | 0.000268 | M | Re | < | 0.000268 | M | Tm | < | 0.000268 | | | | |
| M | Cr | | 0.000752 | O | Li | < | 0.027225 | M | Rh | < | 0.000268 | M | U | < | 0.000268 | | | | |
| M | Cs | < | 0.000268 | M | Lu | < | 0.000268 | M | Ru | < | 0.000269 | M | V | < | 0.019855 | | | | |
| O | Cu | < | 0.010890 | O | Mg | < | 0.005445 | i | S | < | | M | W | | 0.000473 | | | | |
| M | Dy | < | 0.000268 | O | Mn | < | 0.003267 | M | Sb | < | 0.006976 | M | Y | < | 0.002146 | | | | |
| M | Er | < | 0.000268 | M | Mo | | 0.000774 | O | Sc | < | 0.004900 | M | Yb | < | 0.000536 | | | | |

M - Checked by ICP-MS  O - Checked by ICP-OES  i - Spectral Interference
n - Not Checked For  s - Solution Standard Element

## 6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

## 7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

### 7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

**Atomic Weight; Valence; Coordination Number; Chemical Form in Solution -** 47.87 +4 6 Ti(F)6-2

**Chemical Compatibility -** Soluble in concentrated HCl, HF, H3PO4 H2SO4 and HNO3. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths or high levels of transition elements unless they are fluorinated). Stable with most inorganic anions with a tendency to hydrolyze forming the hydrated oxide in all dilute acids except HF.

**Stability -** 2-100 ppb levels stable (Alone or mixed with all other metals) as the Ti(F)6-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the Ti(F)6-2 chemically stable for years in 2-5% HNO3 / trace HF in an LDPE container.

**Ti Containing Samples (Preparation and Solution) -** Metal (Soluble in H2O / HF caution -powder reacts violently); Oxide - low temperature history anatase or rutile (Dissolved by heating in 1:1:1 H2O / HF / H2SO4); Oxide - high temperature history (~800EC) brookite (fuse in Pt0 with K2S2O7); Ores ( fuse in Pt0 with KF + K2S2O7 - no KF if silica not present); Organic Matrices (Dry ash at 450EC in Pt0 and dissolve by heating with 1:1:1 H2O / HF / H2SO4 or fuse ash with pyrosulfate if oxide is as plastic pigment and likely in brookite crystalline form).

**Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):**

| Technique/Line | Estimated D.L. | Order | Interferences (underlined indicates severe) |
|---|---|---|---|
| ICP-MS 48 amu | 14 ppt | N/A | 32S16O, 32S14N, 14N16O18O, 14N17N2, 36Ar12C, 48Ca, [96X=2 (where X = Zr, Mo, Ru)] |
| ICP-OES 323.452 nm | 0.0054 / 0.00092 µg/mL | 1 | Ce, Ar, Ni |
| ICP-OES 334.941 nm | 0.0038 / 0.000028 µg/mL | 1 | Nb, Ta, Cr, U |
| ICP-OES 336.121 nm | 0.0053 / 0.000034 µg/mL | 1 | W, Mo, Co |

**HF Note:** This standard should not be prepared or stored in glass.

## 8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

## 9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

## 10.0 QUALITY STANDARD DOCUMENTATION

### 10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

### 10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

**10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"**

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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## 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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*Certified Reference Material CRM*

H5981 R:6/11/24

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AR-1539 Certificate Number
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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 | |

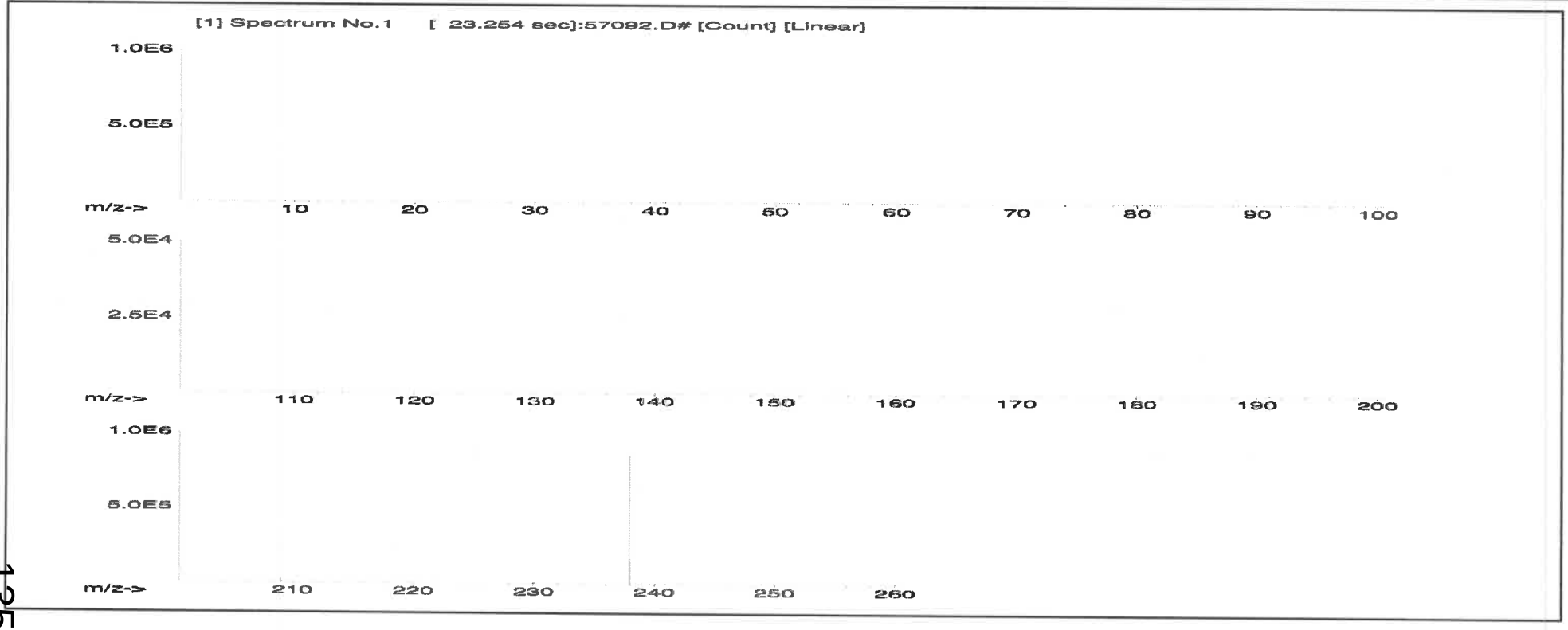
Giovanni Esposito

| 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 |




1358

**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:**

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).

1359

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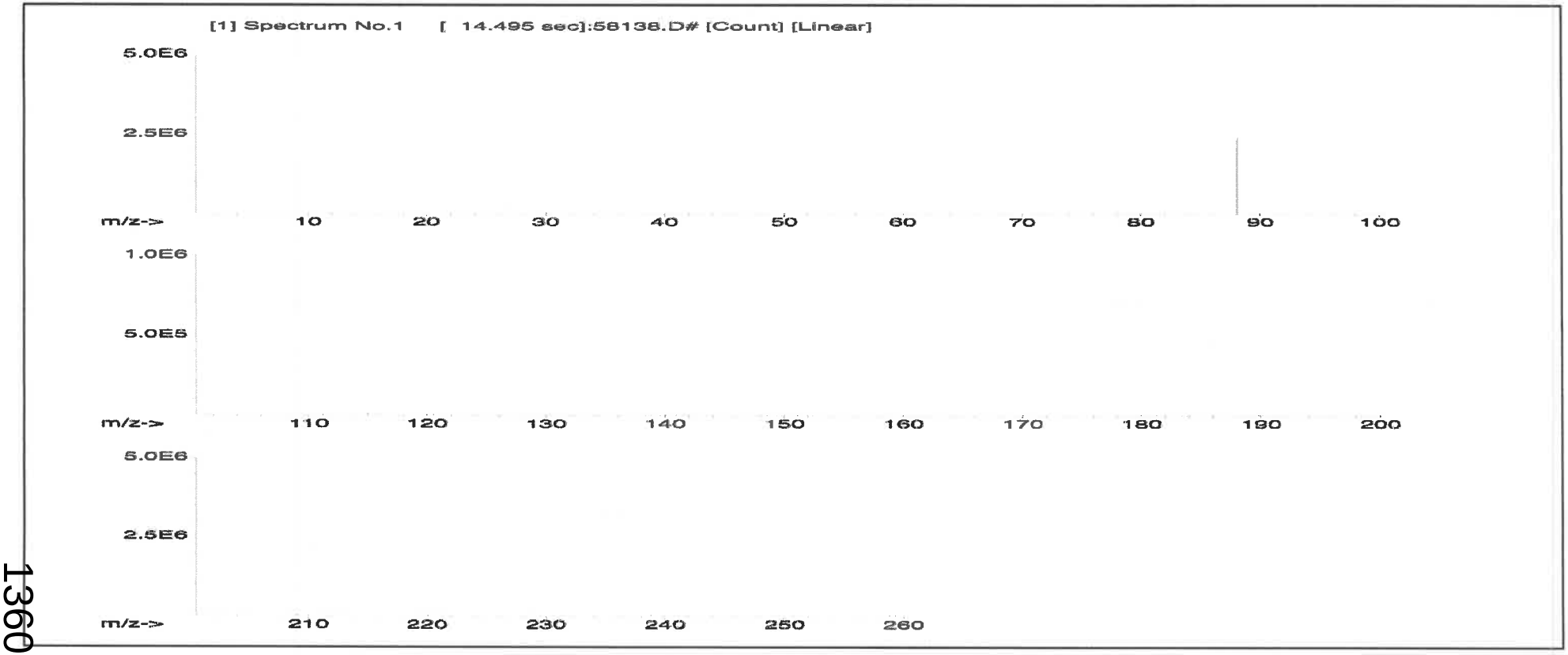
45982 R: 6/11/24

CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **57038** | | **Lot #** | | |
| **Lot Number:** | **031524** | **Solvent:** | 24002546 | Nitric Acid | |
| **Description:** | **Strontium (Sr)** | | | | |
| | | 2% | 40.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 031527 | | | | |
| **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):** | 2000.07 | 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 |




1360

**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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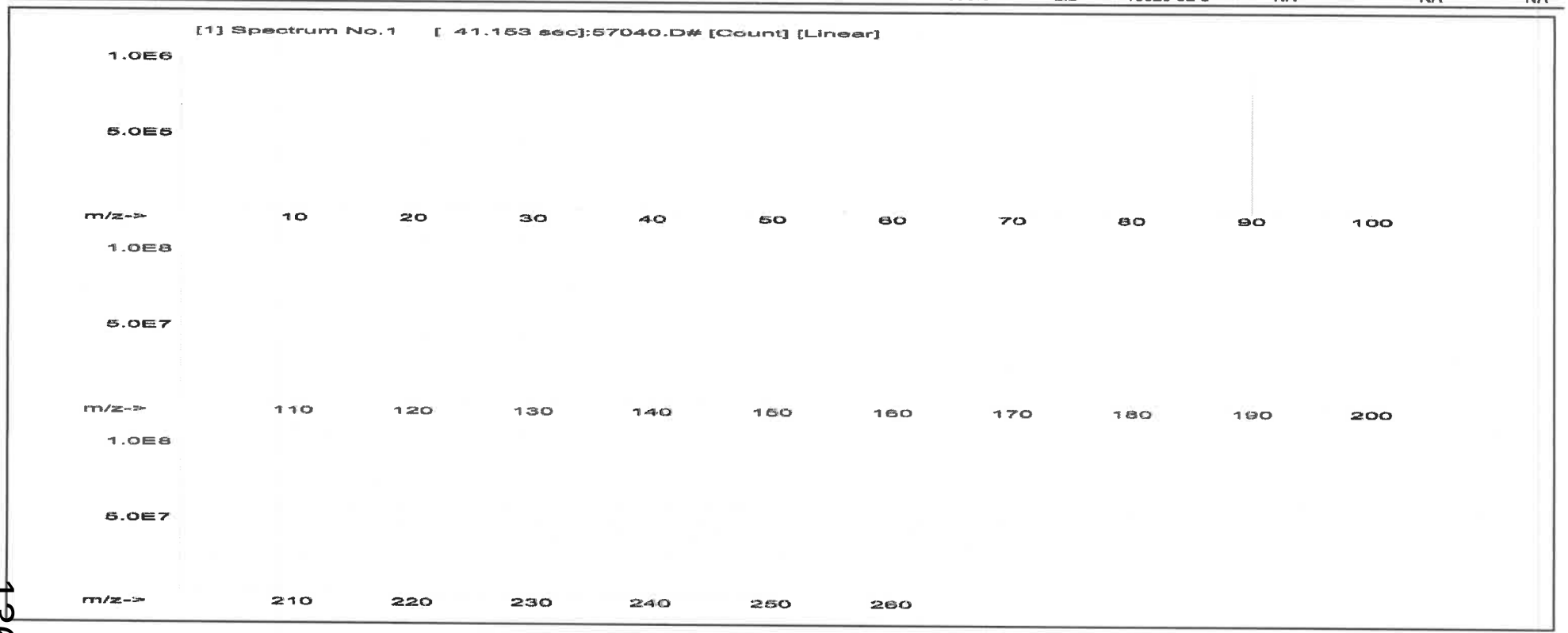
CERTIFIED WEIGHT REPORT:

| | | 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 |




1362

**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:**

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).
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R: 01/03/24 M6033

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1364

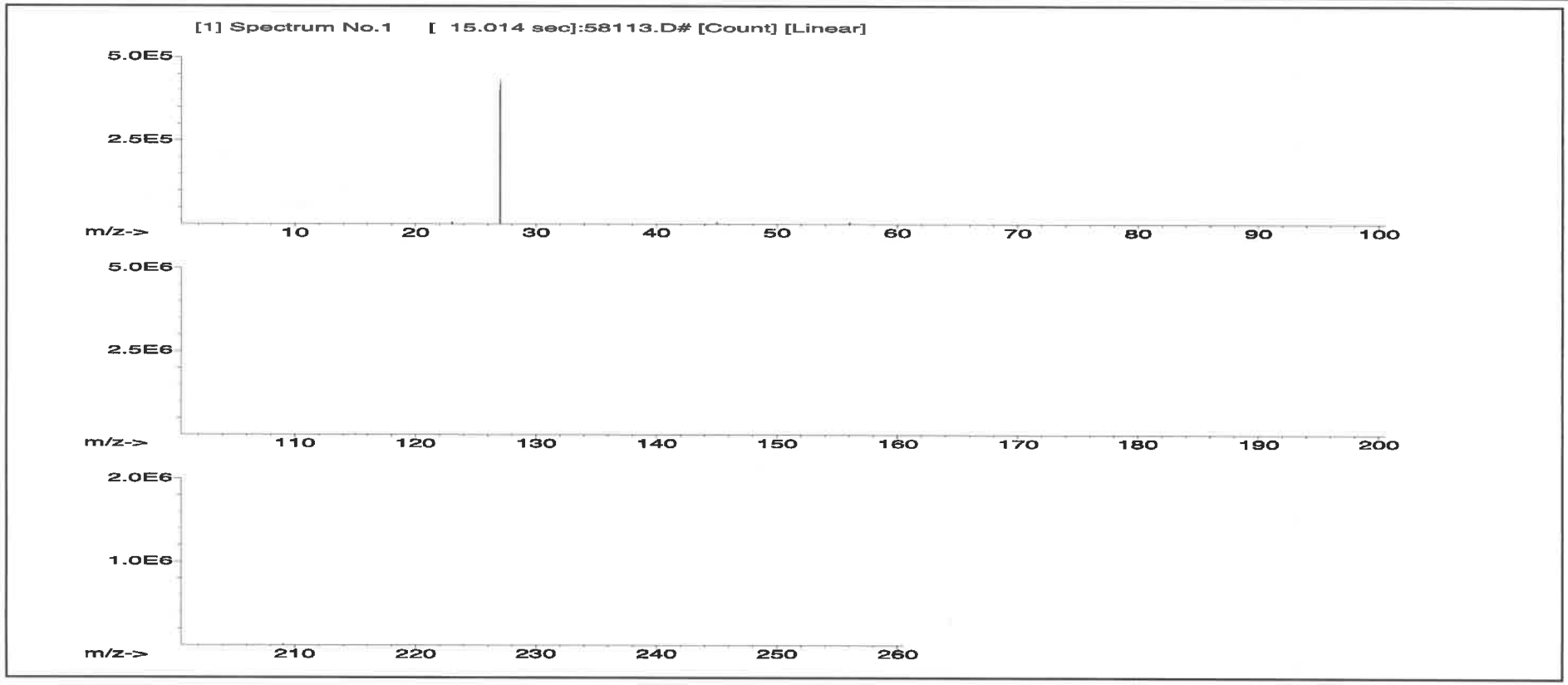
CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **58113** | | **Solvent:** | 20510011 | Nitric Acid |
| **Lot Number:** | **011623** | | | | |
| **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 |
| 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 |



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

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Received — 08/01/2024
paper
M6039
M6040

Material No.: 9530-33
Batch No.: 24D1562005
Manufactured Date: 2024-03-18
Retest Date: 2029-03-17
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| ACS - Assay (as HCl) (by acid-base titrn) | 36.5 - 38.0 % | 37.6 % |
| ACS - Color (APHA) | ≤ 10 | 5 |
| ACS - Residue after Ignition | ≤ 3 ppm | < 1 ppm |
| ACS - Specific Gravity at 60°/60°F | 1.185 - 1.192 | 1.192 |
| 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 | < 5.0 ppb |
| Arsenic and Antimony (as As) | ≤ 5.0 ppb | < 3.0 ppb |
| Trace Impurities - Barium (Ba) | ≤ 1.0 ppb | < 1.0 ppb |
| Trace Impurities - Beryllium (Be) | ≤ 1.0 ppb | < 1.0 ppb |
| Trace Impurities - Bismuth (Bi) | ≤ 10.0 ppb | < 10.0 ppb |
| Trace Impurities - Boron (B) | ≤ 20.0 ppb | 2.2 ppb |
| Trace Impurities - Cadmium (Cd) | ≤ 1.0 ppb | < 1.0 ppb |
| Trace Impurities - Calcium (Ca) | ≤ 50.0 ppb | 31.0 ppb |
| Trace Impurities - Chromium (Cr) | ≤ 1.0 ppb | 0.5 ppb |
| Trace Impurities - Cobalt (Co) | ≤ 1.0 ppb | 0.2 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 | < 0.2 ppb |
| Heavy Metals (as Pb) | ≤ 100 ppb | < 50 ppb |
| Trace Impurities - Iron (Fe) | ≤ 15 ppb | 3 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.: 24D1562005

| Test | Specification | Result |
|---|---|---|
| Trace Impurities - Lead (Pb) | ≤ 1.0 ppb | < 0.2 ppb |
| Trace Impurities - Lithium (Li) | ≤ 1.0 ppb | < 0.1 ppb |
| Trace Impurities - Magnesium (Mg) | ≤ 10.0 ppb | 2.2 ppb |
| Trace Impurities - Manganese (Mn) | ≤ 1.0 ppb | < 0.2 ppb |
| Trace Impurities - Mercury (Hg) | ≤ 0.5 ppb | < 0.1 ppb |
| Trace Impurities - Molybdenum (Mo) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities - Nickel (Ni) | ≤ 4.0 ppb | 0.2 ppb |
| Trace Impurities - Niobium (Nb) | ≤ 1.0 ppb | < 0.2 ppb |
| Trace Impurities - Potassium (K) | ≤ 9.0 ppb | < 1.0 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 | < 0.3 ppb |
| Trace Impurities - Sodium (Na) | ≤ 100.0 ppb | 2.0 ppb |
| Trace Impurities - Strontium (Sr) | ≤ 1.0 ppb | < 0.2 ppb |
| Trace Impurities - Tantalum (Ta) | ≤ 1.0 ppb | < 0.9 ppb |
| Trace Impurities - Thallium (Tl) | ≤ 5.0 ppb | < 2.0 ppb |
| Trace Impurities - Tin (Sn) | ≤ 5.0 ppb | < 0.4 ppb |
| Trace Impurities - Titanium (Ti) | ≤ 1.0 ppb | 0.2 ppb |
| Trace Impurities - Vanadium (V) | ≤ 1.0 ppb | < 0.2 ppb |
| Trace Impurities - Zinc (Zn) | ≤ 5.0 ppb | < 0.2 ppb |
| Trace Impurities - Zirconium (Zr) | ≤ 1.0 ppb | < 0.1 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.: 24D1562005

| 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

Jamie Croak
Director Quality Operations, Bioscience Production

INORGANIC VENTURES™
Refine your results. Redefine your industry.

# Certificate of Analysis

R 18/19/24, M60055

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

## 1.0 ACCREDITATION / REGISTRATION

**INORGANIC VENTURES** is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

## 2.0 PRODUCT DESCRIPTION

| | |
|---|---|
| Product Code: | Multi Analyte Custom Grade Solution |
| Catalog Number: | IV-STOCK-12 |
| Lot Number: | U2-MEB734294 |
| Matrix: | 5% (v/v) HNO3 |
| Value / Analyte(s): | 10 µg/mL ea: |

Barium, Beryllium,
Bismuth, Cerium,
Cobalt, Indium,
Lithium, Nickel,
Lead, Uranium

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ANALYTE | CERTIFIED VALUE | ANALYTE | CERTIFIED VALUE |
|---|---|---|---|
| Barium, Ba | 10.01 ± 0.04 µg/mL | Beryllium, Be | 10.01 ± 0.05 µg/mL |
| Bismuth, Bi | 10.01 ± 0.06 µg/mL | Cerium, Ce | 10.01 ± 0.04 µg/mL |
| Cobalt, Co | 10.01 ± 0.05 µg/mL | Indium, In | 10.01 ± 0.04 µg/mL |
| Lead, Pb | 10.00 ± 0.04 µg/mL | Lithium, Li | 10.01 ± 0.04 µg/mL |
| Nickel, Ni | 10.01 ± 0.04 µg/mL | Uranium, U | 10.01 ± 0.05 µg/mL |

**Density:** 1.025 g/mL (measured at 20 ± 4 °C)

**Assay Information:**

| ANALYTE | METHOD | NIST SRM# | SRM LOT# |
|---|---|---|---|
| Ba | ICP Assay | 3104a | 140909 |
| Ba | Calculated | | See Sec. 4.2 |
| Ba | Gravimetric | | See Sec. 4.2 |
| Be | ICP Assay | 3105a | 090514 |
| Be | Calculated | | See Sec. 4.2 |
| Bi | ICP Assay | 3106 | 180815 |
| Ce | ICP Assay | 3110 | 160830 |
| Ce | EDTA | 928 | 928 |
| Ce | Calculated | | See Sec. 4.2 |
| Co | ICP Assay | 3113 | 190630 |
| Co | EDTA | 928 | 928 |
| Co | Calculated | | See Sec. 4.2 |
| In | ICP Assay | 3124a | 110516 |
| In | EDTA | 928 | 928 |
| In | Calculated | | See Sec. 4.2 |
| Li | ICP Assay | 3129a | 100714 |
| Li | Calculated | | See Sec. 4.2 |
| Li | Gravimetric | | See Sec. 4.2 |
| Ni | ICP Assay | 3136 | 120619 |
| Ni | EDTA | 928 | 928 |
| Ni | Calculated | | See Sec. 4.2 |
| Pb | ICP Assay | 3128 | 101026 |
| Pb | EDTA | 928 | 928 |
| Pb | Calculated | | See Sec. 4.2 |
| U | ICP Assay | traceable to 3164 | R2-U689597 |
| U | Calculated | | See Sec. 4.2 |

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

### Characterization of CRM/RM by Two or More Methods

**Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:**

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

$X_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

$w_i$ = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

### Characterization of CRM/RM by One Method

**Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:**

$X_{CRM/RM} = (X_a)(u_{char\ a})$

$X_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

$u_{bb}$ = bottle to bottle homogeneity standard uncertainty

$u_{lts}$ = long term stability standard uncertainty (storage)

$u_{ts}$ = transport stability standard uncertainty

**Certified Abundance:**

**IV's Certified Abundance**

| Isotope | Atom % |
|---|---|
| Uranium 238U | 99.8 ± 0.1 |
| Uranium 235U | 0.19 ± 0.05 |

## 4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

**4.1 Thermometer Calibration**

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

**4.2 Balance Calibration**

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

**4.3 Glassware Calibration**

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

## 5.0 TRACE METALLIC IMPURITIES (TMI ) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

## 6.0 INTENDED USE

**6.1** This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

**6.2** For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

## 7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

**7.1 Storage and Handling Recommendations**

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

## 8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

## 9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

## 10.0 QUALITY STANDARD DOCUMENTATION

**10.1 ISO 9001 Quality Management System Registration**

- QSR Certificate Number QSR-1034

**10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"**

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

**10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"**

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

## 11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

**11.1 Certification Issue Date**

June 21, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

**11.2 Lot Expiration Date**

**- June 21, 2028**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

**11.3 Period of Validity**

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Approved By:**

Thomas Kozikowski
Manager, Quality Control

**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director

Nitric Acid 69%
CMOS

M6096
M6097
M6098
M6099
M6100

Mtd 9/21/24

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*

R: 01/03/24 M5806, M5807

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

1378

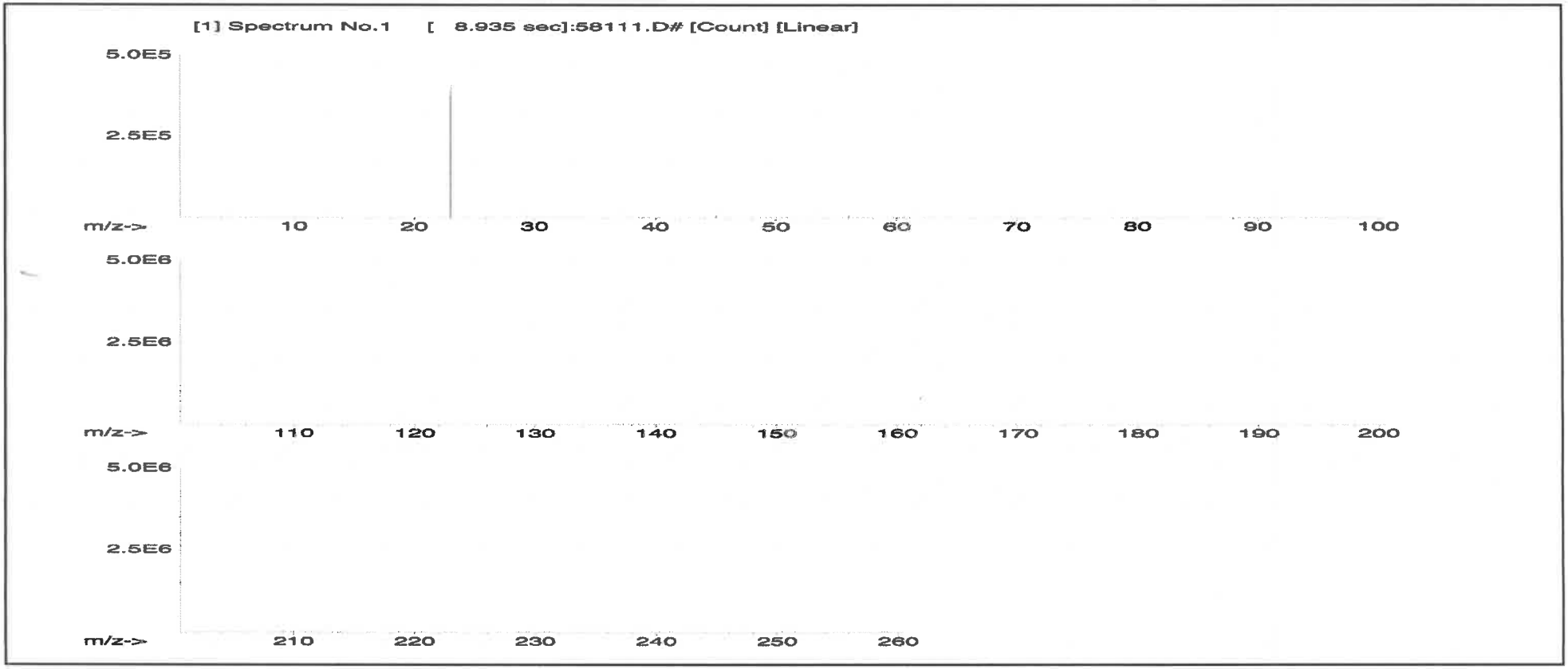
## CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **58111** | | **Lot #** | | |
| **Lot Number:** | **122223** | **Solvent:** | 24002546 | Nitric Acid | |
| **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 |



1379

**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 (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$**

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 % |
|---|---|
| Lithium Li6 | 95.6 ± 0.3 |
| Lithium Li7 | 4.4 ± 0.1 |

## 4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

### 4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

### 4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

### 4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

## 5.0 TRACE METALLIC IMPURITIES (TMI ) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

## 6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

## 7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

### 7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

## 8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

## 9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

## 10.0 QUALITY STANDARD DOCUMENTATION

### 10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

### 10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

### 10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

## 11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

**11.1 Certification Issue Date**

September 03, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

**11.2 Lot Expiration Date**

**- September 03, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

**11.3 Period of Validity**

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

## 12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

**Certificate Approved By:**

Michael Booth
Director, Quality Control

**Certifying Officer:**

Paul Gaines
Chairman / Senior Technical Director

# QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)

**NOTE:** These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

***APPLICATION:*** For use with the CLP SFAM01.0 SOW and revisions.

***CAUTION:*** Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
**HAZARDOUS MATERIAL**

Safety Data Sheets
Available Upon Request

## (A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix**. For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

***CAUTION:*** The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

## (B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

**QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY**
**APTIM Federal Services, LLC**
**2700 Chandler Avenue - Building C**
**Las Vegas, NV 89120**

## (C) *ANALYSIS OF SAMPLES*

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for the ICP-MS ICS Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

**ICSA-0803, Inferferents:** Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v $HNO_3$. Analyze this solution by ICP-MS.

**ICSB-0803, Analytes, mixed with ICSA-0803, Interferents:** Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v $HNO_3$. Analyze this ICSAB solution by ICP-MS.

## (D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

**Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803**

ICSA: M5873

ICSB: M5874

| Element | CRQL | Part A (µg/L) | Lower Limit (µg/L) | Upper Limit (µg/L) | Part A +Part B (µg/L) | Lower Limit (µg/L) | Upper Limit (µg/L) |
|---|---|---|---|---|---|---|---|
| Al | 20.0 | [100000] | | | [100000] | | |
| Sb | 2.0 | (1.5) | -2.5 | 5.5 | (22.0) | 18.0 | 26.0 |
| As | 1.0 | (0.1) | -1.9 | 2.1 | 19.0 | 16.2 | 21.9 |
| Ba | 10.0 | (1.2) | -18.8 | 21.2 | (22.0) | 2.0 | 42.0 |
| Be | 1.0 | (0) | -2.0 | 2.0 | 19.0 | 16.2 | 21.9 |
| Cd | 1.0 | (0.7) | -1.3 | 2.7 | 20.0 | 17.0 | 23.0 |
| Ca | 500 | [100000] | | | [100000] | | |
| C | | [200000] | | | [200000] | | |
| Cl | | [1000000] | | | [1000000] | | |
| Cr | 2.0 | (21.0) | 17.0 | 25.0 | 40.0 | 34.0 | 46.0 |
| Co | 1.0 | (1.0) | -1.0 | 3.0 | 20.0 | 17.0 | 23.0 |
| Cu | 2.0 | (8.0) | 4.0 | 12.0 | (25.0) | 21.0 | 29.0 |
| Fe | 200 | [100000] | | | [100000] | | |
| Pb | 1.0 | (4.0) | 2.0 | 6.0 | 25.0 | 21.3 | 28.8 |
| Mg | 500 | [100000] | | | [100000] | | |
| Mn | 1.0 | (7.0) | 5.0 | 9.0 | 27.0 | 23.0 | 31.1 |
| Mo | | [2000] | | | [2000] | | |
| Ni | 1.0 | (6.0) | 4.0 | 8.0 | 24.0 | 20.4 | 27.6 |
| P | | [100000] | | | [100000] | | |
| K | 500 | [100000] | | | [100000] | | |
| Se | 5.0 | (0.3) | -9.7 | 10.3 | (19.0) | 9.0 | 29.0 |
| Ag | 1.0 | (0) | -2.0 | 2.0 | 18.0 | 15.3 | 20.7 |
| Na | 500 | [100000] | | | [100000] | | |
| S | | [100000] | | | [100000] | | |
| Tl | 1.0 | (0) | -2.0 | 2.0 | 21.0 | 17.9 | 24.2 |
| Ti | | [2000] | | | [2000] | | |
| V | 5.0 | (0.5) | -9.5 | 10.5 | (19.0) | 9.0 | 29.0 |
| Zn | 5.0 | (11.0) | 1.0 | 21.0 | (29.0) | 19.0 | 39.0 |

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

# QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)

**NOTE:** These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

***APPLICATION:*** For use with the CLP SFAM01.0 SOW and revisions.

***CAUTION:*** Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
**HAZARDOUS MATERIAL**

Safety Data Sheets
Available Upon Request

## (A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix**. For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

***CAUTION:*** The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

## (B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

**QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY**
**APTIM Federal Services, LLC**
**2700 Chandler Avenue - Building C**
**Las Vegas, NV 89120**

## (C) *ANALYSIS OF SAMPLES*

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for the ICP-MS ICS Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

**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

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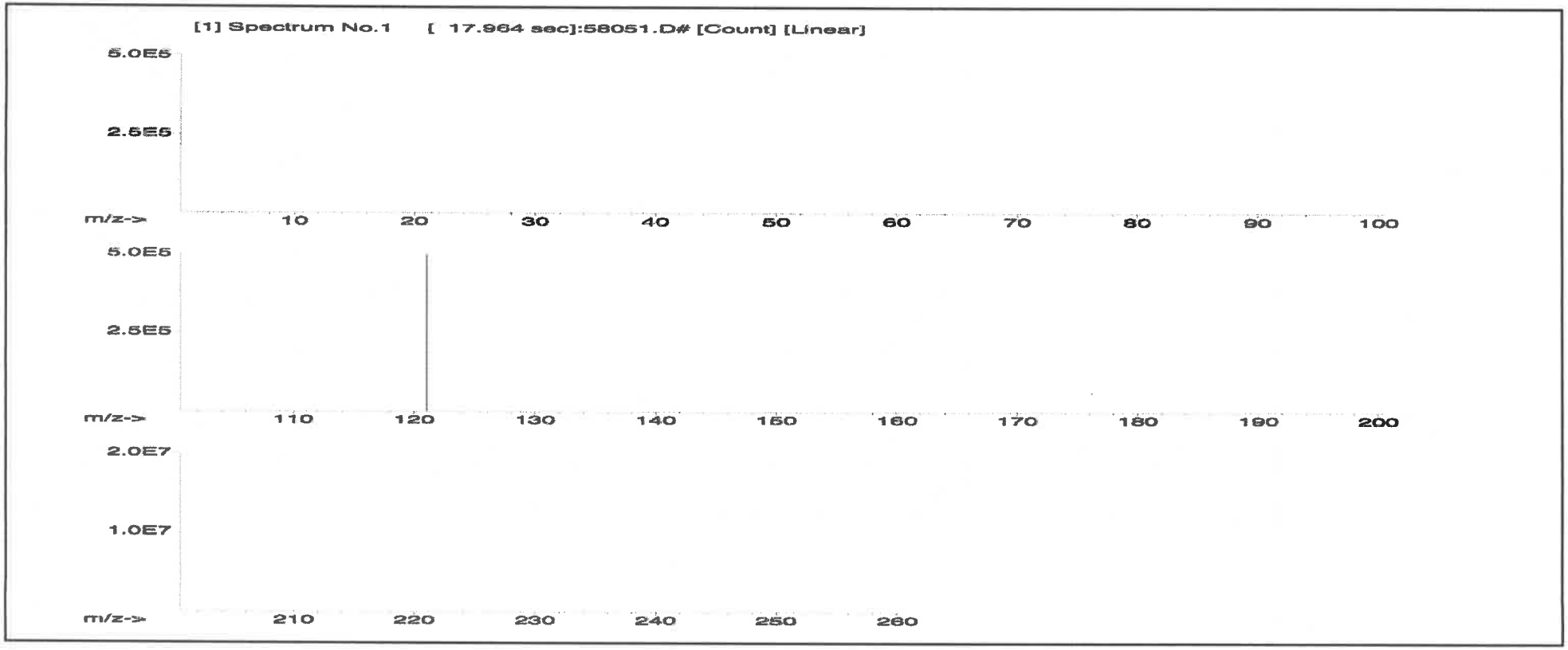
CERTIFIED WEIGHT REPORT:

| | | 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).

**Absolute Standards, Inc.**
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***Certified Reference Material CRM***

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

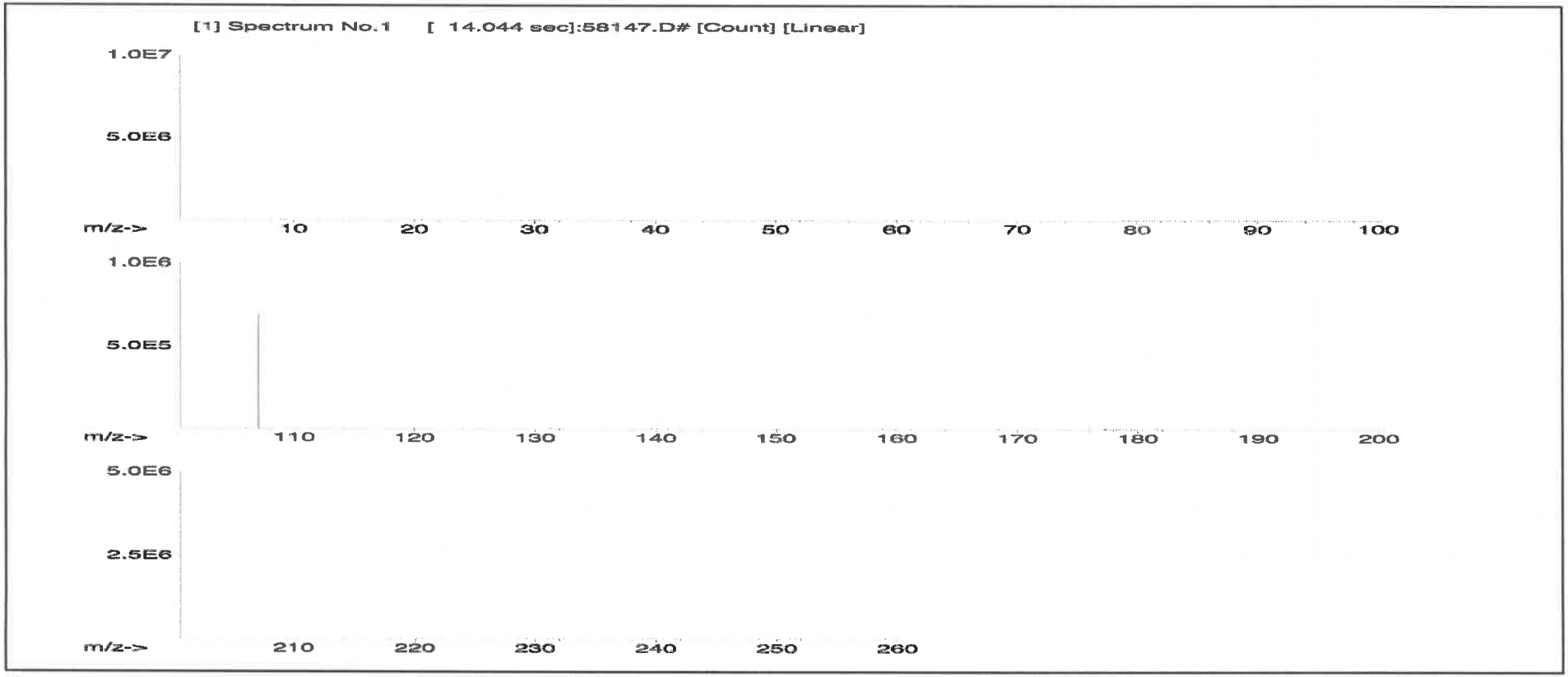
**Weight shown below was diluted to (mL):** 4000.30 0.058 Flask Uncertainty

| | 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.
* 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: 03/16/23 M5473, M5474, M5475, M5476

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AR-1539 Certificate Number
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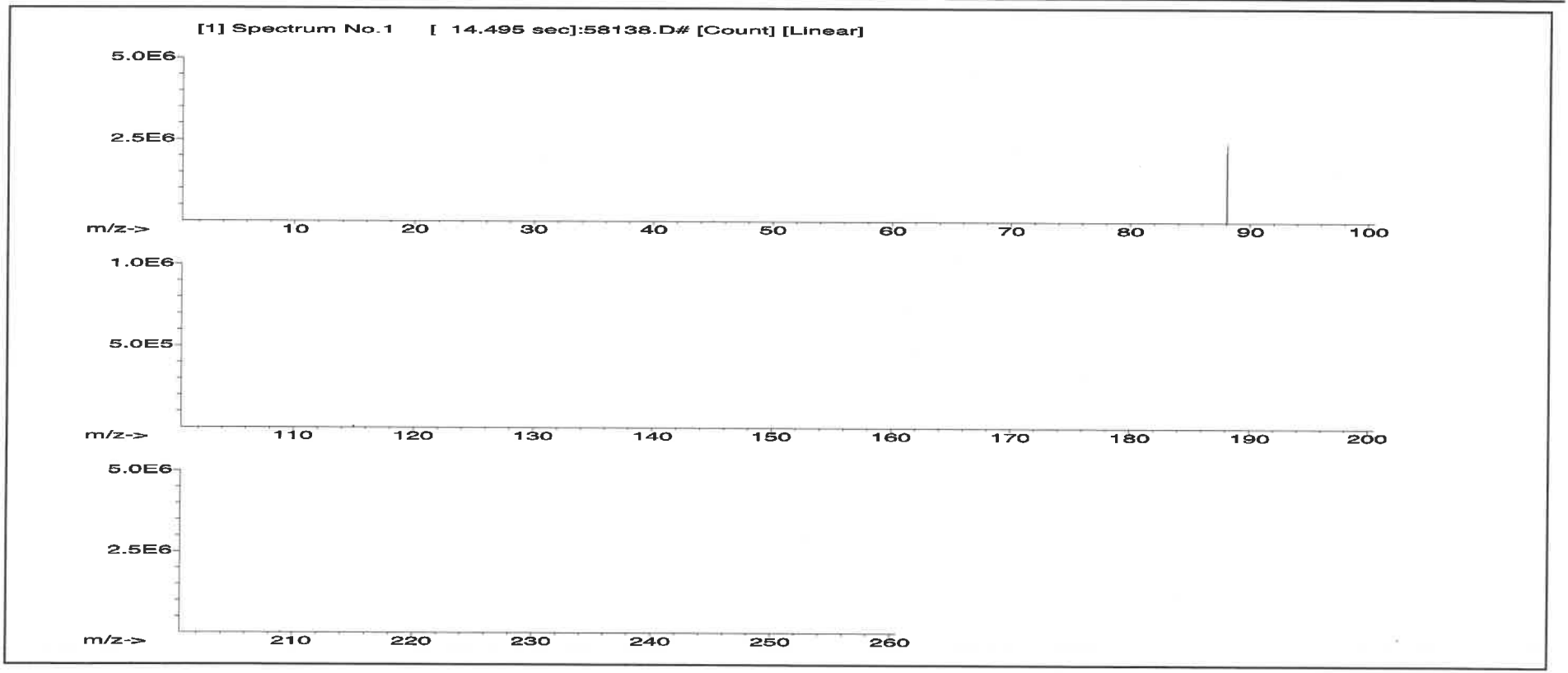
CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **56138** | | **Lot #** | | |
| **Lot Number:** | **082922** | **Solvent:** | 20510011 | Nitric Acid | |
| **Description:** | **Strontium (Sr)** | 2% | 20.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 082925 | | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | | |
| **Nominal Concentration (µg/mL):** | **10000** | | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | | |
| **Weight shown below was diluted to (mL):** | 1000.12 | 0.058 | Flask Uncertainty | | |

| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 082922 |
| Reviewed By: | Pedro L. 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 |



1393

**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.
* 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: 03/16/23 M5473, M5474, M5475, M5476

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AR-1539 Certificate Number
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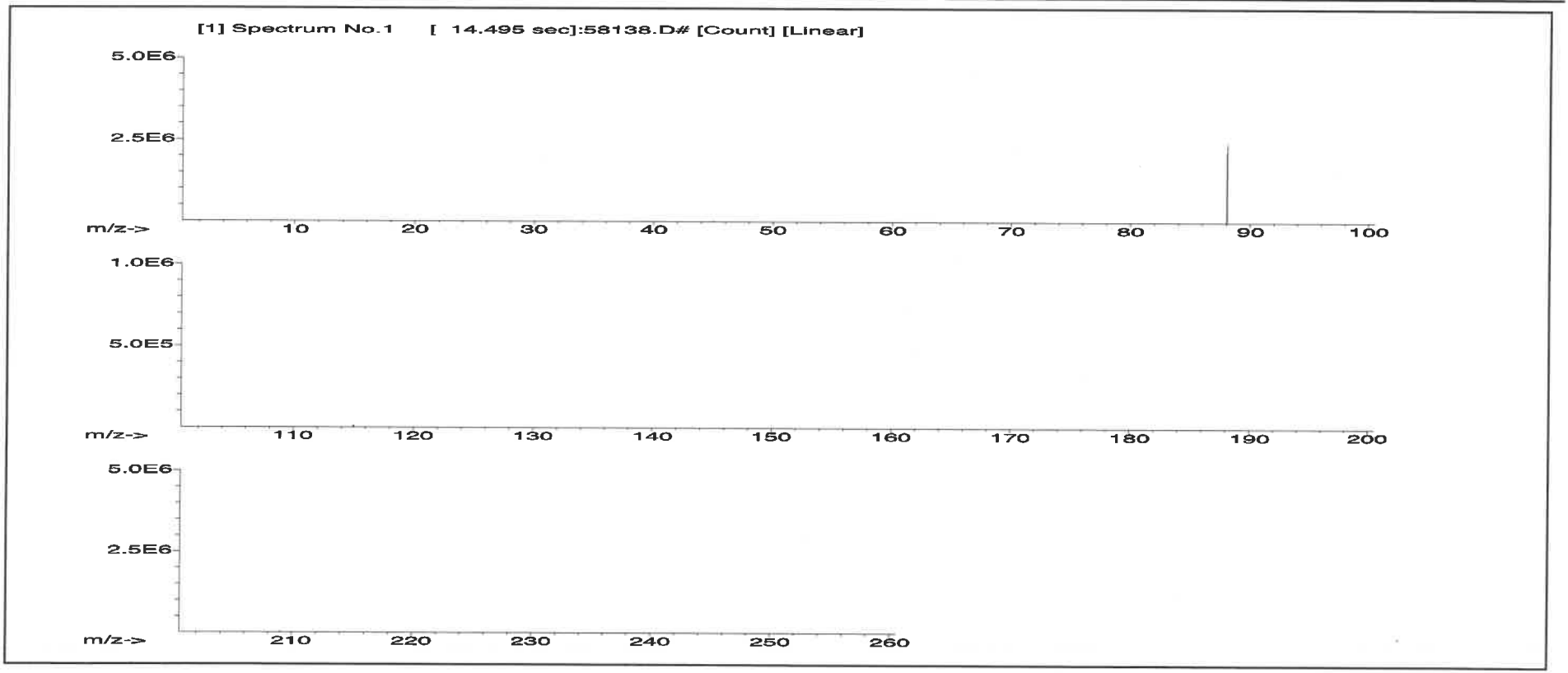
1394

CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **56138** | | **Lot #** | | |
| **Lot Number:** | **082922** | **Solvent:** | 20510011 | Nitric Acid | |
| **Description:** | **Strontium (Sr)** | 2% | 20.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 082925 | | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | | |
| **Nominal Concentration (µg/mL):** | **10000** | | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | | |
| **Weight shown below was diluted to (mL):** | 1000.12 | 0.058 | Flask Uncertainty | | |

| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 082922 |
| Reviewed By: | Pedro L. 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 |



1395

**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.
* 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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M6023

R ! 8/5/24

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1396

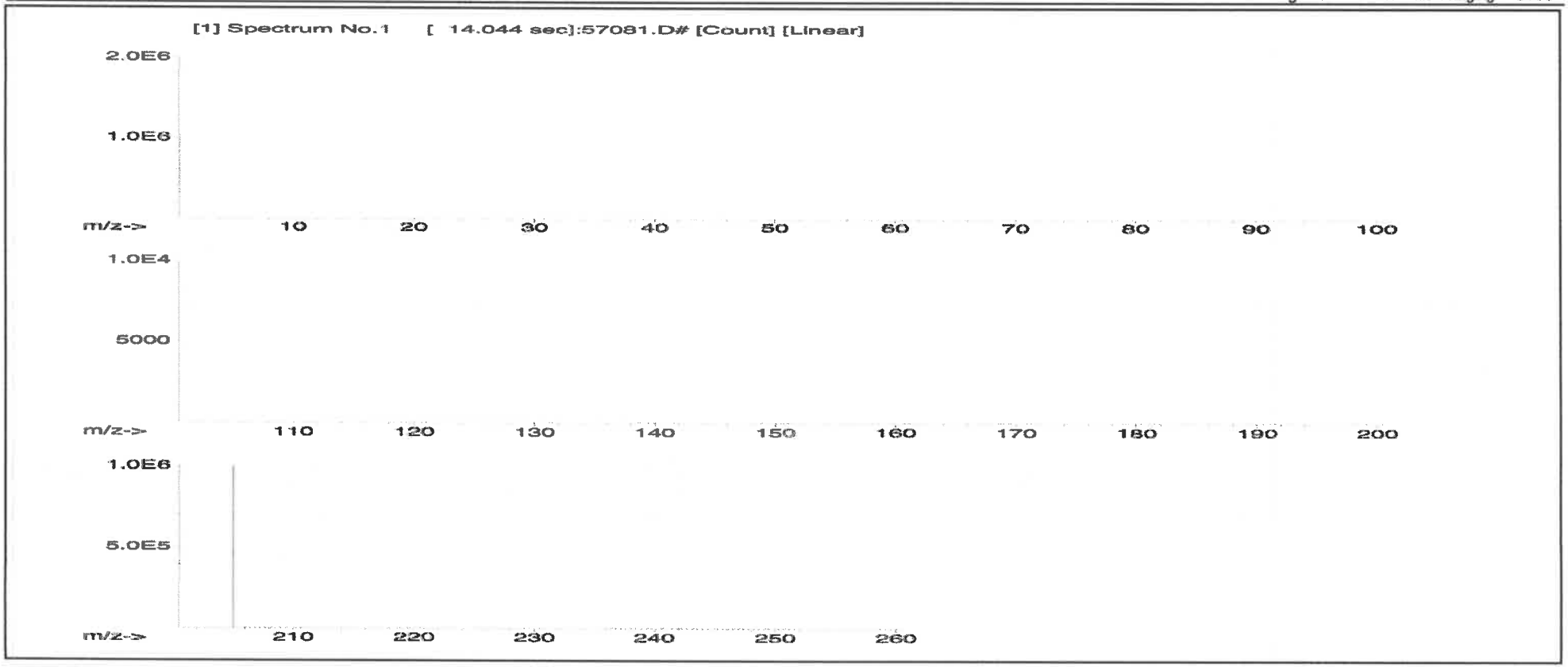
CERTIFIED WEIGHT REPORT:

| | | | | | |
|---|---|---|---|---|---|
| **Part Number:** | **57081** | | **Lot #** | | |
| **Lot Number:** | **062724** | **Solvent:** | 24002546 | Nitric Acid | |
| **Description:** | **Thallium (Tl)** | | | | |
| | | 2% | 40.0 (mL) | Nitric Acid | |
| **Expiration Date:** | 062727 | | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | | |
| **Weight shown below was diluted to (mL):** | 2000.1 | 0.10 | Flask Uncertainty | | |

Aleah O'Brady

| | | |
|---|---|---|
| Formulated By: | Aleah O'Brady | 062724 |
| Reviewed By: | Pedro L. Rentas | 062724 |

| Compound | RM# | Lot Number | Nominal Conc. (µg/mL) | Purity (%) | Uncertainty Purity (%) | Assay (%) | Target Weight (g) | Actual Weight (g) | Actual Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Thallium nitrate (Tl) | IN037 | BCCF4399 | 1000 | 99.999 | 0.10 | 77.0 | 2.5975 | 2.5977 | **1000.1** | **2.0** | 10102-45-1 | 0.1 mg/m3 | orl-mus 15mg/kg | 3158 |



1397

**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | T | V | <0.02 |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
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Rc. 8/5/24

1398

CERTIFIED WEIGHT REPORT:

| | | Lot # | Solvent: | |
|---|---|---|---|---|
| **Part Number:** | **57023** | | | |
| **Lot Number:** | **062424** | | | |
| **Description:** | **Vanadium (V)** | 24002546 | Nitric Acid | |
| | | 2.0% | 40.0 (mL) | Nitric Acid |
| **Expiration Date:** | 062427 | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | |
| **Nominal Concentration (µg/mL):** | **1000** | | | |
| **NIST Test Number:** | 6UTB | 5E-05 | Balance Uncertainty | |
| **Volume shown below was diluted to (mL):** | 2000.3 | 0.06 | Flask Uncertainty | |

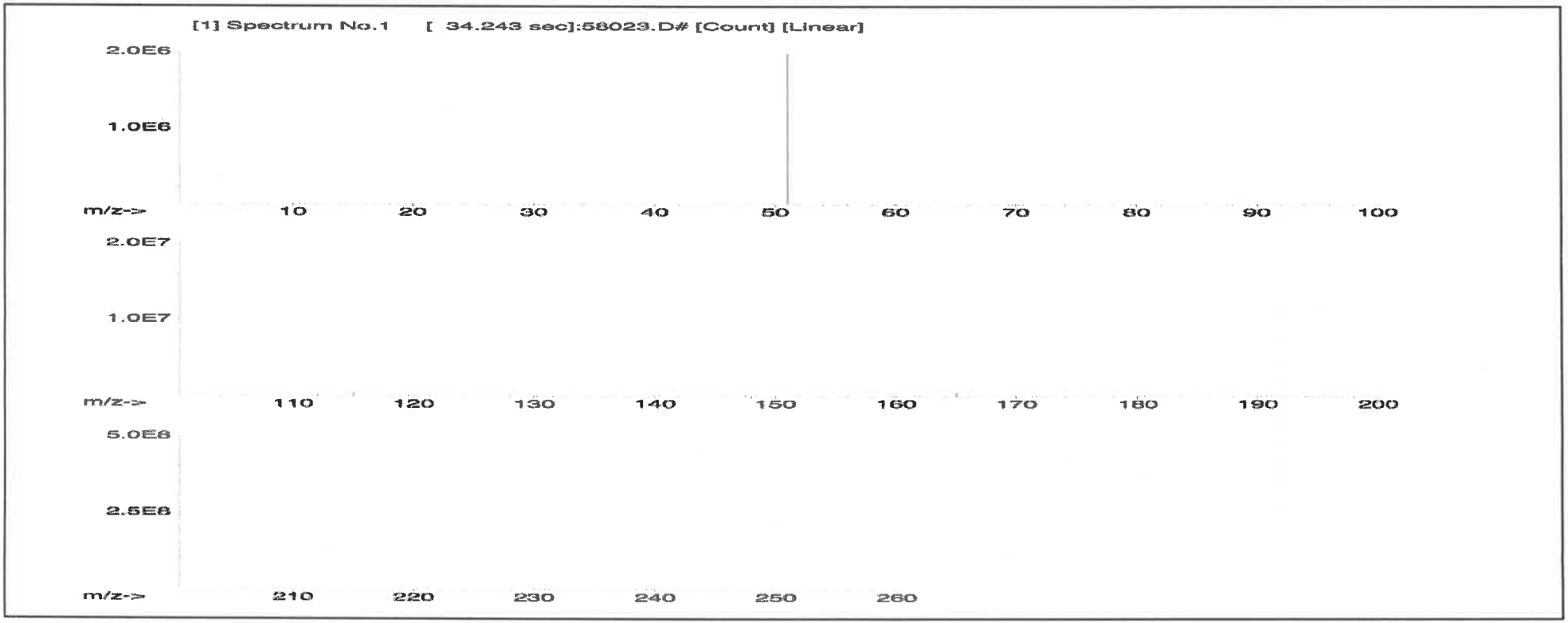
Aleah O'Brady

| Formulated By: | Aleah O'Brady | 062424 |
|---|---|---|

Pedro Rentas

| Reviewed By: | Pedro L. Rentas | 062424 |
|---|---|---|

| Compound | Part Number | Lot Number | Dilution Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Nominal Conc. (µg/mL) | Initial Conc. (µg/mL) | Final Conc. (µg/mL) | Expanded Uncertainty +/- (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 | NIST SRM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Ammonium metavanadate (V) | 58123 | 021224 | 0.1000 | 200.0 | 0.084 | 1000 | 10000.3 | **1000.0** | **2.2** | 7803-55-6 | 0.05 mg/m3 | orl-rat 58.1mg/kg | 3165 |



1399

**Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):**

| Trace Metals Verification by ICP-MS (µg/mL) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al | <0.02 | Cd | <0.02 | Dy | <0.02 | Hf | <0.02 | Li | <0.02 | Ni | <0.02 | Pr | <0.02 | Se | <0.2 | Tb | <0.02 | W | <0.02 |
| Sb | <0.02 | Ca | <0.2 | Er | <0.02 | Ho | <0.02 | Lu | <0.02 | Nb | <0.02 | Re | <0.02 | Si | <0.02 | Te | <0.02 | U | <0.02 |
| As | <0.2 | Ce | <0.02 | Eu | <0.02 | In | <0.02 | Mg | <0.01 | Os | <0.02 | Rh | <0.02 | Ag | <0.02 | Tl | <0.02 | V | T |
| Ba | <0.02 | Cs | <0.02 | Gd | <0.02 | Ir | <0.02 | Mn | <0.02 | Pd | <0.02 | Rb | <0.02 | Na | <0.2 | Th | <0.02 | Yb | <0.02 |
| Be | <0.01 | Cr | <0.02 | Ga | <0.02 | Fe | <0.2 | Hg | <0.2 | P | <0.02 | Ru | <0.02 | Sr | <0.02 | Tm | <0.02 | Y | <0.02 |
| Bi | <0.02 | Co | <0.02 | Ge | <0.02 | La | <0.02 | Mo | <0.02 | Pt | <0.02 | Sm | <0.02 | S | <0.02 | Sn | <0.02 | Zn | <0.02 |
| B | <0.02 | Cu | <0.02 | Au | <0.02 | Pb | <0.02 | Nd | <0.02 | K | <0.2 | Sc | <0.02 | Ta | <0.02 | Ti | <0.02 | Zr | <0.02 |

(T) = Target analyte

**Physical Characterization:**

Homogeneity: No heterogeneity was observed in the preparation of this standard.

**Certified by:**

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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Alliance TECHNICAL GROUP

**Soil/Sludge Metals Preparation Sheet**

PB164349

**SOP ID :** M3050B-Digestion-20, MSFAM01.1-Metals ICPMS-2

**SDG No :** MYE470

**Matrix :** SOIL

**Pippete ID:** ICP A

**Balance ID :** M SC-2

**Filter paper ID :** N/A

**pH Strip ID :** N/A

**Hood ID :** #3

**Block ID:** 1. HOT BLOCK #5 2. N/A

**Start Digest Date:** 10/23/2024 **Time :** 12:30 **Temp :** 97 °C

**End Digest Date:** 10/23/2024 **Time :** 15:30 **Temp :** 97 °C

**Digestion tube ID:** M6054

**Block thermometer ID:** MET-DIG. #5

**Dig Technician Signature:** JSP

**Supervisor Signature:**

**Temp :** 1. 97°C 2. N/A

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| LCSS | 1.00 | MP82583 |
| LCSSD | 0.50 | MP82583 |
| Spike Sol 1 | 0.3mL,0.3mL,0.027mL | M5565,M5657,M5962 |
| Spike Sol 2 | 1.5mL,1.5mL,0.135mL | M5565,M5657,M5962 |
| N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| 1:1 HNO3 | 10.00 | MP81119 |
| 1:1 HCL | 5.00 | MP82127 |
| Conc. HNO3 | 5.00 | M6096 |
| 30% H2O2 | 3.00 | M5634 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

**Extraction Conformance/Non-Conformance Comments:**

HOT BLOCK #5 Cell #34 Temp : 97 C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 10/23/24 13:40 | JSP Met dig | [illegible] Lab |
| | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

**Soil/Sludge Metals Preparation Sheet**

**PB164349**

| Lab Sample ID | Client Sample ID | pH | Initial Weight (g) | Final Vol (ml) | Color Before | Color After | Texture | Artifact | Comment | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| P4479-01 | MYE470 | N/A | 1.32 | 500 | Brown | Yellow | Medium | N/A | N/A | 1 |
| P4479-02 | MYE471 | N/A | 1.46 | 500 | Brown | Yellow | Medium | N/A | N/A | 2 |
| P4479-03 | MYE472 | N/A | 1.21 | 500 | Brown | Yellow | Medium | N/A | N/A | 3 |
| P4479-04 | MYE473 | N/A | 1.18 | 500 | Brown | Yellow | Medium | N/A | N/A | 4 |
| P4479-05 | MYE474 | N/A | 1.16 | 500 | Brown | Yellow | Medium | N/A | N/A | 5 |
| P4479-06 | MYE475 | N/A | 1.08 | 500 | Brown | Yellow | Medium | N/A | N/A | 6 |
| P4479-07 | MYE476 | N/A | 1.43 | 500 | Brown | Yellow | Medium | N/A | N/A | 7 |
| P4479-08 | MYE477 | N/A | 1.24 | 500 | Brown | Yellow | Medium | N/A | N/A | 8 |
| P4479-09 | MYE478 | N/A | 1.26 | 500 | Brown | Yellow | Medium | N/A | N/A | 9 |
| P4479-10 | MYE479 | N/A | 1.30 | 500 | Brown | Yellow | Medium | N/A | N/A | 10 |
| P4479-11 | MYE480 | N/A | 1.13 | 500 | Brown | Yellow | Medium | N/A | N/A | 11 |
| P4479-12 | MYE481 | N/A | 1.19 | 500 | Brown | Yellow | Medium | N/A | N/A | 12 |
| P4479-12MS | MYE481MS RE JSP 10/23/24 | N/A | 1.24 | 500 | Brown | Yellow | Medium | N/A | M5565,M5657,M5962 | 13 |
| ~~P4479-12MSD~~ | ~~MYE481MSD~~ JSP 10/23/24 | ~~N/A~~ | ~~N/A~~ | ~~N/A~~ | ~~N/A~~ | ~~N/A~~ | ~~N/A~~ | ~~N/A~~ | ~~N/A~~ | N/A |
| P4479-13 | MYE481D | N/A | 1.32 | 500 | Brown | Yellow | Medium | N/A | N/A | 14 |
| P4479-14 | MYE481S | N/A | 1.26 | 500 | Brown | Yellow | Medium | N/A | M5565,M5657,M5962 | 15 |
| P4479-15 | MYE482 | N/A | 1.17 | 500 | Brown | Yellow | Medium | N/A | N/A | 16 |
| P4479-16 | MYE483 | N/A | 1.39 | 500 | Brown | Yellow | Medium | N/A | N/A | 17 |
| P4479-17 | MYE484 | N/A | 1.28 | 500 | Brown | Yellow | Medium | N/A | N/A | 18 |
| P4479-18 | MYE485 | N/A | 1.23 | 500 | Brown | Yellow | Medium | N/A | N/A | 19 |
| P4479-19 | MYE486 | N/A | 1.33 | 500 | Brown | Yellow | Medium | N/A | N/A | 20 |
| P4479-20 | MYE487 | N/A | 1.26 | 500 | Brown | Yellow | Medium | N/A | N/A | 21 |
| P4479-21 | MYE488 | N/A | 1.09 | 500 | Brown | Yellow | Medium | N/A | N/A | 22 |
| P4479-22 | MYE489 | N/A | 1.17 | 500 | Brown | Yellow | Medium | N/A | N/A | 23 |
| PB164349BL | PBS349 | N/A | 1.00 | 500 | Colorless | Colorless | Fine | N/A | N/A | 24 |
| PB164349BS | LCS349 | N/A | 1.00 | 500 | Colorless | Colorless | Fine | N/A | MP82583 | 25 |
| PB164349BSD | LCSD349 | N/A | 1.00 | 500 | Colorless | Colorless | Fine | N/A | MP82583 | 26 |

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

**Instrument ID:** P7

## Daily Analysis Runlog For Sequence/QCBatch ID # LB133210

| | | | |
|---|---|---|---|
| Review By | Sarabjit Jaswal | Review On | 10/30/2024 3:40:25 PM |
| Supervise By | Mohan Bera | Supervise On | 10/30/2024 3:42:59 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569 |
| ICV Standard | MP82578 |
| CCV Standard | MP82579 |
| ICSA Standard | MP82580,MP82581 |
| CRI Standard | |
| LCS Standard | MP82583 |
| Chk Standard | MP82587,MP82586 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | TUNE | TUNE007 | TUNE | 10/30/24 11:23 | | Jaswal | OK |
| 2 | S00 | S0 | CAL1 | 10/30/24 12:18 | | Jaswal | OK |
| 3 | S02 | S02 | CAL3 | 10/30/24 12:25 | | Jaswal | OK |
| 4 | S03 | S03 | CAL4 | 10/30/24 12:28 | | Jaswal | OK |
| 5 | S04 | S04 | CAL5 | 10/30/24 12:31 | | Jaswal | OK |
| 6 | S05 | S05 | CAL6 | 10/30/24 12:34 | | Jaswal | OK |
| 7 | S06 | S06 | CAL7 | 10/30/24 12:37 | | Jaswal | OK |
| 8 | S07 | S07 | CAL8 | 10/30/24 12:40 | | Jaswal | OK |
| 9 | S08 | S08 | CAL9 | 10/30/24 12:43 | | Jaswal | OK |
| 10 | ICV007 | ICV007 | ICV | 10/30/24 12:59 | Inst. paused for calibration review | Jaswal | OK |
| 11 | ICB007 | ICB007 | ICB | 10/30/24 13:04 | | Jaswal | OK |
| 12 | ICSA007 | ICSA007 | ICSA | 10/30/24 13:07 | | Jaswal | OK |
| 13 | ICSAB007 | ICSAB007 | ICSAB | 10/30/24 13:10 | | Jaswal | OK |
| 14 | CCV035 | CCV035 | CCV | 10/30/24 13:13 | | Jaswal | OK |
| 15 | CCB035 | CCB035 | CCB | 10/30/24 13:16 | | Jaswal | OK |
| 16 | PB164277BL | PBS277 | MB | 10/30/24 13:19 | | Jaswal | OK |
| 17 | PB164277BS | LCS277 | LCS | 10/30/24 13:23 | | Jaswal | OK |
| 18 | PB164277BSD | LCSD277 | LCSD | 10/30/24 13:26 | | Jaswal | OK |

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**Instrument ID:** P7

## Daily Analysis Runlog For Sequence/QCBatch ID # LB133210

| | | | |
|---|---|---|---|
| Review By | Sarabjit Jaswal | Review On | 10/30/2024 3:40:25 PM |
| Supervise By | Mohan Bera | Supervise On | 10/30/2024 3:42:59 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569 |
| ICV Standard | MP82578 |
| CCV Standard | MP82579 |
| ICSA Standard | MP82580,MP82581 |
| CRI Standard | |
| LCS Standard | MP82583 |
| Chk Standard | MP82587,MP82586 |

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|---|---|---|---|---|---|---|---|
| 19 | P4331-04DL | MYDBB7 | SAM | 10/30/24 13:29 | 4X For Ba,Co,Ni,V | Jaswal | Confirms |
| 20 | P4331-05DL | MYDBB7D | DUP | 10/30/24 13:33 | 4X For Ba,Co,Ni,V | Jaswal | Confirms |
| 21 | P4331-04LDL | MYDBB7L | SD | 10/30/24 13:36 | 4X For Ba,Co,Ni,V | Jaswal | Confirms |
| 22 | P4331-06REDL | MYDBB7S | MS | 10/30/24 13:39 | Not use | Jaswal | Not Ok |
| 23 | P4331-04REMSDL | MYDBB7SRE | MS | 10/30/24 13:42 | Not use | Jaswal | Not Ok |
| 24 | P4331-06DL | MYDBB7S | MS | 10/30/24 13:48 | 4X For Ba,Co,Ni,V | Jaswal | Confirms |
| 25 | P4331-04MSDL | MYDBB7SRE | MS | 10/30/24 13:51 | 4X For Ba,Co,Ni,V | Jaswal | Confirms |
| 26 | P4331-04A | MYDBB7ARE | PS | 10/30/24 13:54 | PS for Ag-0.082ml(MP82908)-10 ml | Jaswal | OK |
| 27 | CCV036 | CCV036 | CCV | 10/30/24 13:57 | | Jaswal | OK |
| 28 | CCB036 | CCB036 | CCB | 10/30/24 14:00 | | Jaswal | OK |
| 29 | PB164345BL | PBS345 | MB | 10/30/24 14:05 | | Jaswal | OK |
| 30 | PB164345BSD | LCSD345 | LCSD | 10/30/24 14:12 | | Jaswal | OK |
| 31 | PB164349BL | PBS349 | MB | 10/30/24 14:15 | | Jaswal | OK |
| 32 | PB164349BS | LCS349 | LCS | 10/30/24 14:24 | | Jaswal | OK |
| 33 | PB164349BSD | LCSD349 | LCSD | 10/30/24 14:28 | | Jaswal | OK |
| 34 | PB164427BL | PBS427 | MB | 10/30/24 14:31 | | Jaswal | OK |
| 35 | PB164427BS | LCS427 | LCS | 10/30/24 14:34 | | Jaswal | OK |
| 36 | PB164427BSD | LCSD427 | LCSD | 10/30/24 14:37 | | Jaswal | OK |
| 37 | PB164345BS | LCS345 | LCS | 10/30/24 14:41 | | Jaswal | OK |

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**Instrument ID:** P7

## Daily Analysis Runlog For Sequence/QCBatch ID # LB133210

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|---|---|---|---|
| Review By | Sarabjit Jaswal | Review On | 10/30/2024 3:40:25 PM |
| Supervise By | Mohan Bera | Supervise On | 10/30/2024 3:42:59 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569 |
| ICV Standard | MP82578 |
| CCV Standard | MP82579 |
| ICSA Standard | MP82580,MP82581 |
| CRI Standard | |
| LCS Standard | MP82583 |
| Chk Standard | MP82587,MP82586 |

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|---|---|---|---|---|---|---|---|
| 38 | P4477-04 | MYE453 | SAM | 10/30/24 14:44 | Ba,Co,Ni,V High in MS RE | Jaswal | Dilution |
| 39 | P4477-05 | MYE453D | DUP | 10/30/24 14:47 | Ba,Co,Ni,V High in MS RE | Jaswal | Dilution |
| 40 | P4477-04L | MYE453L | SD | 10/30/24 14:50 | Ba,Co,Ni,V High in MS RE | Jaswal | Dilution |
| 41 | P4477-06 | MYE453S | MS | 10/30/24 14:54 | Ba,Co,Ni,V High in MS RE | Jaswal | Dilution |
| 42 | P4477-04MS | MYE453SRE | MS | 10/30/24 14:57 | MS Fail for Ag, Ba,Co,Ni,V High | Jaswal | Dilution |
| 43 | P4479-12 | MYE481 | SAM | 10/30/24 15:00 | Ba,Co,Ni,V High in MS RE | Jaswal | Dilution |
| 44 | P4479-13 | MYE481D | DUP | 10/30/24 15:03 | Ba,Co,Ni,V High in MS RE | Jaswal | Dilution |
| 45 | P4479-12L | MYE481L | SD | 10/30/24 15:06 | Ba,Co,Ni,V High in MS RE | Jaswal | Dilution |
| 46 | P4479-14 | MYE481S | MS | 10/30/24 15:09 | Ba,Co,Ni,V High in MS RE | Jaswal | Dilution |
| 47 | P4479-12MS | MYE481SRE | MS | 10/30/24 15:12 | MS Fail for Ag(Below RL),Ba,Co,Ni,V High | Jaswal | Dilution |
| 48 | P4480-05 | MYE494 | SAM | 10/30/24 15:15 | Ba,Co,Ni,V High in MS RE | Jaswal | Dilution |
| 49 | P4480-06 | MYE494D | DUP | 10/30/24 15:19 | Ba,Co,Ni,V High in MS RE | Jaswal | Dilution |
| 50 | P4480-05L | MYE494L | SD | 10/30/24 15:22 | Ba,Co,Ni,V High in MS RE | Jaswal | Dilution |
| 51 | P4480-07 | MYE494S | MS | 10/30/24 15:25 | Ba,Co,Ni,V High in MS RE | Jaswal | Dilution |
| 52 | CCV037 | CCV037 | CCV | 10/30/24 15:28 | | Jaswal | OK |
| 53 | CCB037 | CCB037 | CCB | 10/30/24 15:31 | | Jaswal | OK |
| 54 | P4480-05MS | MYE494SRE | MS | 10/30/24 15:34 | MS Fail for Ag(Below RL),MS Fail for Ag, Ba,Co,Ni,V High | Jaswal | Dilution |
| 55 | P4477-01 | MYE450 | SAM | 10/30/24 15:37 | | Jaswal | OK |

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**Instrument ID:** P7

## Daily Analysis Runlog For Sequence/QCBatch ID # LB133210

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|---|---|---|---|
| Review By | Sarabjit Jaswal | Review On | 10/30/2024 3:40:25 PM |
| Supervise By | Mohan Bera | Supervise On | 10/30/2024 3:42:59 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569 |
| ICV Standard | MP82578 |
| CCV Standard | MP82579 |
| ICSA Standard | MP82580,MP82581 |
| CRI Standard | |
| LCS Standard | MP82583 |
| Chk Standard | MP82587,MP82586 |

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|---|---|---|---|---|---|---|---|
| 56 | P4477-02 | MYE451 | SAM | 10/30/24 15:41 | | Jaswal | OK |
| 57 | P4477-03 | MYE452 | SAM | 10/30/24 15:44 | | Jaswal | OK |
| 58 | P4477-07 | MYE454 | SAM | 10/30/24 15:47 | | Jaswal | OK |
| 59 | P4477-08 | MYE455 | SAM | 10/30/24 15:50 | | Jaswal | OK |
| 60 | P4477-09 | MYE456 | SAM | 10/30/24 15:53 | | Jaswal | OK |
| 61 | P4477-10 | MYE457 | SAM | 10/30/24 15:56 | | Jaswal | OK |
| 62 | P4477-11 | MYE458 | SAM | 10/30/24 16:00 | | Jaswal | OK |
| 63 | P4477-12 | MYE459 | SAM | 10/30/24 16:03 | | Jaswal | OK |
| 64 | P4477-13 | MYE460 | SAM | 10/30/24 16:06 | | Jaswal | OK |
| 65 | P4477-14 | MYE461 | SAM | 10/30/24 16:09 | | Jaswal | OK |
| 66 | P4477-15 | MYE462 | SAM | 10/30/24 16:12 | | Jaswal | OK |
| 67 | P4477-16 | MYE463 | SAM | 10/30/24 16:15 | | Jaswal | OK |
| 68 | P4477-17 | MYE464 | SAM | 10/30/24 16:19 | | Jaswal | OK |
| 69 | P4477-18 | MYE465 | SAM | 10/30/24 16:22 | | Jaswal | OK |
| 70 | P4477-19 | MYE466 | SAM | 10/30/24 16:25 | | Jaswal | OK |
| 71 | P4477-20 | MYE467 | SAM | 10/30/24 16:28 | | Jaswal | OK |
| 72 | P4477-21 | MYE468 | SAM | 10/30/24 16:31 | | Jaswal | OK |
| 73 | P4477-22 | MYE469 | SAM | 10/30/24 16:34 | | Jaswal | OK |
| 74 | P4479-01 | MYE470 | SAM | 10/30/24 16:38 | | Jaswal | OK |
| 75 | P4479-02 | MYE471 | SAM | 10/30/24 16:41 | | Jaswal | OK |

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## Daily Analysis Runlog For Sequence/QCBatch ID # LB133210

| | | | |
|---|---|---|---|
| Review By | Sarabjit Jaswal | Review On | 10/30/2024 3:40:25 PM |
| Supervise By | Mohan Bera | Supervise On | 10/30/2024 3:42:59 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569 |
| ICV Standard | MP82578 |
| CCV Standard | MP82579 |
| ICSA Standard | MP82580,MP82581 |
| CRI Standard | |
| LCS Standard | MP82583 |
| Chk Standard | MP82587,MP82586 |

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|---|---|---|---|---|---|---|---|
| 76 | P4479-03 | MYE472 | SAM | 10/30/24 16:44 | | Jaswal | OK |
| 77 | P4479-04 | MYE473 | SAM | 10/30/24 16:47 | | Jaswal | OK |
| 78 | P4479-05 | MYE474 | SAM | 10/30/24 16:50 | | Jaswal | OK |
| 79 | P4479-06 | MYE475 | SAM | 10/30/24 16:53 | | Jaswal | OK |
| 80 | CCV038 | CCV038 | CCV | 10/30/24 16:57 | | Jaswal | OK |
| 81 | CCB038 | CCB038 | CCB | 10/30/24 16:59 | | Jaswal | OK |
| 82 | P4479-07 | MYE476 | SAM | 10/30/24 17:03 | | Jaswal | OK |
| 83 | P4479-08 | MYE477 | SAM | 10/30/24 17:06 | | Jaswal | OK |
| 84 | P4479-09 | MYE478 | SAM | 10/30/24 17:09 | | Jaswal | OK |
| 85 | P4479-10 | MYE479 | SAM | 10/30/24 17:12 | | Jaswal | OK |
| 86 | P4479-11 | MYE480 | SAM | 10/30/24 17:15 | | Jaswal | OK |
| 87 | P4479-15 | MYE482 | SAM | 10/30/24 17:19 | | Jaswal | OK |
| 88 | P4479-16 | MYE483 | SAM | 10/30/24 17:22 | | Jaswal | OK |
| 89 | P4479-17 | MYE484 | SAM | 10/30/24 17:25 | | Jaswal | OK |
| 90 | P4479-18 | MYE485 | SAM | 10/30/24 17:28 | | Jaswal | OK |
| 91 | P4479-19 | MYE486 | SAM | 10/30/24 17:31 | | Jaswal | OK |
| 92 | P4479-20 | MYE487 | SAM | 10/30/24 17:34 | | Jaswal | OK |
| 93 | P4479-21 | MYE488 | SAM | 10/30/24 17:38 | | Jaswal | OK |
| 94 | P4479-22 | MYE489 | SAM | 10/30/24 17:41 | | Jaswal | OK |
| 95 | P4480-01 | MYE490 | SAM | 10/30/24 17:44 | | Jaswal | OK |

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**Instrument ID:** P7

## Daily Analysis Runlog For Sequence/QCBatch ID # LB133210

| | | | |
|---|---|---|---|
| Review By | Sarabjit Jaswal | Review On | 10/30/2024 3:40:25 PM |
| Supervise By | Mohan Bera | Supervise On | 10/30/2024 3:42:59 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569 |
| ICV Standard | MP82578 |
| CCV Standard | MP82579 |
| ICSA Standard | MP82580,MP82581 |
| CRI Standard | |
| LCS Standard | MP82583 |
| Chk Standard | MP82587,MP82586 |

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|---|---|---|---|---|---|---|---|
| 96 | P4480-02 | MYE491 | SAM | 10/30/24 17:47 | | Jaswal | OK |
| 97 | P4480-03 | MYE492 | SAM | 10/30/24 17:50 | | Jaswal | OK |
| 98 | P4480-04 | MYE493 | SAM | 10/30/24 17:53 | | Jaswal | OK |
| 99 | P4480-08 | MYE495 | SAM | 10/30/24 17:56 | | Jaswal | OK |
| 100 | P4480-09 | MYE496 | SAM | 10/30/24 18:00 | | Jaswal | OK |
| 101 | P4480-10 | MYE497 | SAM | 10/30/24 18:03 | | Jaswal | OK |
| 102 | P4480-11 | MYE498 | SAM | 10/30/24 18:06 | | Jaswal | OK |
| 103 | P4480-12 | MYE499 | SAM | 10/30/24 18:09 | | Jaswal | OK |
| 104 | P4480-13 | MYE4A0 | SAM | 10/30/24 18:12 | | Jaswal | OK |
| 105 | P4480-14 | MYE4A1 | SAM | 10/30/24 18:16 | | Jaswal | OK |
| 106 | P4480-15 | MYE4A2 | SAM | 10/30/24 18:19 | | Jaswal | OK |
| 107 | P4480-16 | MYE4A3 | SAM | 10/30/24 18:22 | | Jaswal | OK |
| 108 | CCV039 | CCV039 | CCV | 10/30/24 18:25 | | Jaswal | OK |
| 109 | CCB039 | CCB039 | CCB | 10/30/24 18:28 | | Jaswal | OK |
| 110 | P4480-17 | MYE4A4 | SAM | 10/30/24 18:31 | | Jaswal | OK |
| 111 | P4480-18 | MYE4A5 | SAM | 10/30/24 18:34 | | Jaswal | OK |
| 112 | P4480-19 | MYE4A6 | SAM | 10/30/24 18:37 | | Jaswal | OK |
| 113 | P4480-20 | MYE4A7 | SAM | 10/30/24 18:41 | | Jaswal | OK |
| 114 | P4480-21 | MYE4A8 | SAM | 10/30/24 18:44 | | Jaswal | OK |
| 115 | P4480-22 | MYE4A9 | SAM | 10/30/24 18:47 | | Jaswal | OK |

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|---|---|---|---|
| Review By | Sarabjit Jaswal | Review On | 10/30/2024 3:40:25 PM |
| Supervise By | Mohan Bera | Supervise On | 10/30/2024 3:42:59 PM |

| STD. NAME | STD REF.# |
|---|---|
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| CRI Standard | |
| LCS Standard | MP82583 |
| Chk Standard | MP82587,MP82586 |

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|---|---|---|---|---|---|---|---|
| 116 | P4477-04DL | MYE453 | SAM | 10/30/24 18:50 | 4X For Ba,Co,Ni,V High | Jaswal | Confirms |
| 117 | P4477-05DL | MYE453D | DUP | 10/30/24 18:53 | 4X For Ba,Co,Ni,V High | Jaswal | Confirms |
| 118 | P4477-04LDL | MYE453L | SD | 10/30/24 18:56 | 20X For Ba,Co,Ni,V High | Jaswal | Confirms |
| 119 | P4477-06DL | MYE453S | MS | 10/30/24 19:00 | 4X For Ba,Co,Ni,V High | Jaswal | Confirms |
| 120 | P4477-04MSDL | MYE453SRE | MS | 10/30/24 19:03 | 4X For Ba,Co,Ni,V High | Jaswal | Confirms |
| 121 | P4479-12DL | MYE481 | SAM | 10/30/24 19:06 | 4X For Ba,Co,Ni,V High | Jaswal | Confirms |
| 122 | P4479-13DL | MYE481D | DUP | 10/30/24 19:09 | 4X For Ba,Co,Ni,V High | Jaswal | Confirms |
| 123 | P4479-12LDL | MYE481L | SD | 10/30/24 19:13 | 20X For Ba,Co,Ni,V High | Jaswal | Confirms |
| 124 | P4479-14DL | MYE481S | MS | 10/30/24 19:16 | 4X For Ba,Co,Ni,V High | Jaswal | Confirms |
| 125 | P4479-12MSDL | MYE481SRE | MS | 10/30/24 19:19 | 4X For Ba,Co,Ni,V High | Jaswal | Confirms |
| 126 | P4480-05DL | MYE494 | SAM | 10/30/24 19:22 | 4X For Ba,Co,Ni,V High | Jaswal | Confirms |
| 127 | P4480-06DL | MYE494D | DUP | 10/30/24 19:25 | 4X For Ba,Co,Ni,V High | Jaswal | Confirms |
| 128 | P4480-05LDL | MYE494L | SD | 10/30/24 19:29 | 20X For Ba,Co,Ni,V High | Jaswal | Confirms |
| 129 | P4480-07DL | MYE494S | MS | 10/30/24 19:32 | 4X For Ba,Co,Ni,V High | Jaswal | Confirms |
| 130 | P4480-05MSDL | MYE494SRE | MS | 10/30/24 19:35 | 4X For Ba,Co,Ni,V High | Jaswal | Confirms |
| 131 | P4477-04A | MYE453ARE | PS | 10/30/24 19:38 | PS For AG(0.02ML MP82908-10ML SAMPLE) | Jaswal | OK |
| 132 | P4479-12A | MYE481ARE | PS | 10/30/24 19:41 | PS For AG(0.02ML MP82908-10ML SAMPLE) | Jaswal | OK |
| 133 | P4480-05A | MYE494ARE | PS | 10/30/24 19:45 | PS For AG(0.02ML MP82908-10ML SAMPLE) | Jaswal | OK |
| 134 | PB164430BL | PBS430 | MB | 10/30/24 19:54 | | Jaswal | OK |

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## Daily Analysis Runlog For Sequence/QCBatch ID # LB133210

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|---|---|---|---|
| Review By | Sarabjit Jaswal | Review On | 10/30/2024 3:40:25 PM |
| Supervise By | Mohan Bera | Supervise On | 10/30/2024 3:42:59 PM |

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| CRI Standard | |
| LCS Standard | MP82583 |
| Chk Standard | MP82587,MP82586 |

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|---|---|---|---|---|---|---|---|
| 135 | PB164430BS | LCS430 | LCS | 10/30/24 19:57 | | Jaswal | OK |
| 136 | CCV040 | CCV040 | CCV | 10/30/24 20:01 | | Jaswal | OK |
| 137 | CCB040 | CCB040 | CCB | 10/30/24 20:03 | | Jaswal | OK |
| 138 | PB164430BSD | LCSD430 | LCSD | 10/30/24 20:07 | | Jaswal | OK |
| 139 | PB164440BL | PBS440 | MB | 10/30/24 20:10 | | Jaswal | OK |
| 140 | PB164440BS | LCS440 | LCS | 10/30/24 20:13 | | Jaswal | OK |
| 141 | PB164440BSD | LCSD440 | LCSD | 10/30/24 20:17 | | Jaswal | OK |
| 142 | P4481-12 | MYE4C1 | SAM | 10/30/24 20:20 | Ba,Co,Ni,V High in MSRE | Jaswal | Dilution |
| 143 | P4481-13 | MYE4C1D | DUP | 10/30/24 20:23 | Ba,Co,Ni,V High in MSRE | Jaswal | Dilution |
| 144 | P4481-12L | MYE4C1L | SD | 10/30/24 20:26 | Ba,Co,Ni,V High in MSRE | Jaswal | Dilution |
| 145 | P4481-14 | MYE4C1S | MS | 10/30/24 20:29 | Ba,Co,Ni,V High in MSRE | Jaswal | Dilution |
| 146 | P4481-12MS | MYE4C1SRE | MS | 10/30/24 20:33 | Ba,Co,Ni,V High | Jaswal | Dilution |
| 147 | P4482-14 | MYE4E3 | SAM | 10/30/24 20:36 | Ba,Co,Ni,V High in MSRE | Jaswal | Dilution |
| 148 | P4482-15 | MYE4E3D | DUP | 10/30/24 20:39 | Ba,Co,Ni,V High in MSRE | Jaswal | Dilution |
| 149 | P4482-14L | MYE4E3L | SD | 10/30/24 20:42 | Ba,Co,Ni,V High in MSRE | Jaswal | Dilution |
| 150 | P4482-16 | MYE4E3S | MS | 10/30/24 20:45 | Ba,Co,Ni,V High in MSRE | Jaswal | Dilution |
| 151 | P4482-14MS | MYE4E3SRE | MS | 10/30/24 20:48 | Ba,Co,Ni,V High | Jaswal | Dilution |
| 152 | P4483-20 | MYE4G9 | SAM | 10/30/24 20:51 | Ba,Co,Ni,V High in MSRE | Jaswal | Dilution |
| 153 | P4483-21 | MYE4G9D | DUP | 10/30/24 20:55 | Ba,Co,Ni,V High in MSRE | Jaswal | Dilution |
| 154 | P4483-20L | MYE4G9L | SD | 10/30/24 20:58 | Ba,Co,Ni,V High in MSRE | Jaswal | Dilution |

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Fax : 908 789 8922

**Instrument ID:** P7

## Daily Analysis Runlog For Sequence/QCBatch ID # LB133210

| | | | |
|---|---|---|---|
| Review By | Sarabjit Jaswal | Review On | 10/30/2024 3:40:25 PM |
| Supervise By | Mohan Bera | Supervise On | 10/30/2024 3:42:59 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569 |
| ICV Standard | MP82578 |
| CCV Standard | MP82579 |
| ICSA Standard | MP82580,MP82581 |
| CRI Standard | |
| LCS Standard | MP82583 |
| Chk Standard | MP82587,MP82586 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 155 | P4483-22 | MYE4G9S | MS | 10/30/24 21:01 | Ba,Co,Ni,V High in MSRE | Jaswal | Dilution |
| 156 | P4483-20MS | MYE4G9SRE | MS | 10/30/24 21:04 | MS Fail for Pb,Ag(Below rl),Ba,Co,Ni,V High | Jaswal | Dilution |
| 157 | PB164442BL | PBS442 | MB | 10/30/24 21:07 | | Jaswal | OK |
| 158 | PB164442BS | LCS442 | LCS | 10/30/24 21:10 | | Jaswal | OK |
| 159 | PB164442BSD | LCSD442 | LCSD | 10/30/24 21:14 | | Jaswal | OK |
| 160 | P4481-01 | MYE4B0 | SAM | 10/30/24 21:17 | | Jaswal | OK |
| 161 | P4481-02 | MYE4B1 | SAM | 10/30/24 21:20 | | Jaswal | OK |
| 162 | P4481-03 | MYE4B2 | SAM | 10/30/24 21:23 | | Jaswal | OK |
| 163 | P4481-04 | MYE4B3 | SAM | 10/30/24 21:27 | | Jaswal | OK |
| 164 | CCV041 | CCV041 | CCV | 10/30/24 21:30 | | Jaswal | OK |
| 165 | CCB041 | CCB041 | CCB | 10/30/24 21:33 | | Jaswal | OK |
| 166 | P4481-05 | MYE4B4 | SAM | 10/30/24 21:36 | | Jaswal | OK |
| 167 | P4481-06 | MYE4B5 | SAM | 10/30/24 21:39 | | Jaswal | OK |
| 168 | P4481-07 | MYE4B6 | SAM | 10/30/24 21:42 | | Jaswal | OK |
| 169 | P4481-08 | MYE4B7 | SAM | 10/30/24 21:45 | | Jaswal | OK |
| 170 | P4481-09 | MYE4B8 | SAM | 10/30/24 21:49 | | Jaswal | OK |
| 171 | P4481-10 | MYE4B9 | SAM | 10/30/24 21:52 | | Jaswal | OK |
| 172 | P4481-11 | MYE4C0 | SAM | 10/30/24 21:55 | | Jaswal | OK |
| 173 | P4481-15 | MYE4C2 | SAM | 10/30/24 21:58 | | Jaswal | OK |

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**Instrument ID:** P7

## Daily Analysis Runlog For Sequence/QCBatch ID # LB133210

| | | | |
|---|---|---|---|
| Review By | Sarabjit Jaswal | Review On | 10/30/2024 3:40:25 PM |
| Supervise By | Mohan Bera | Supervise On | 10/30/2024 3:42:59 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569 |
| ICV Standard | MP82578 |
| CCV Standard | MP82579 |
| ICSA Standard | MP82580,MP82581 |
| CRI Standard | |
| LCS Standard | MP82583 |
| Chk Standard | MP82587,MP82586 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 174 | P4481-16 | MYE4C3 | SAM | 10/30/24 22:01 | | Jaswal | OK |
| 175 | P4481-17 | MYE4C4 | SAM | 10/30/24 22:05 | | Jaswal | OK |
| 176 | P4481-18 | MYE4C5 | SAM | 10/30/24 22:08 | | Jaswal | OK |
| 177 | P4481-19 | MYE4C6 | SAM | 10/30/24 22:11 | | Jaswal | OK |
| 178 | P4481-20 | MYE4C7 | SAM | 10/30/24 22:14 | | Jaswal | OK |
| 179 | P4481-21 | MYE4C8 | SAM | 10/30/24 22:17 | | Jaswal | OK |
| 180 | P4481-22 | MYE4C9 | SAM | 10/30/24 22:21 | | Jaswal | OK |
| 181 | P4482-01 | MYE4D0 | SAM | 10/30/24 22:24 | | Jaswal | OK |
| 182 | P4482-02 | MYE4D1 | SAM | 10/30/24 22:27 | | Jaswal | OK |
| 183 | P4482-03 | MYE4D2 | SAM | 10/30/24 22:30 | | Jaswal | OK |
| 184 | P4482-04 | MYE4D3 | SAM | 10/30/24 22:33 | | Jaswal | OK |
| 185 | P4482-05 | MYE4D4 | SAM | 10/30/24 22:36 | | Jaswal | OK |
| 186 | P4482-06 | MYE4D5 | SAM | 10/30/24 22:40 | | Jaswal | OK |
| 187 | P4482-07 | MYE4D6 | SAM | 10/30/24 22:43 | | Jaswal | OK |
| 188 | P4482-08 | MYE4D7 | SAM | 10/30/24 22:46 | | Jaswal | OK |
| 189 | P4482-09 | MYE4D8 | SAM | 10/30/24 22:50 | | Jaswal | OK |
| 190 | P4482-10 | MYE4D9 | SAM | 10/30/24 22:53 | | Jaswal | OK |
| 191 | P4482-11 | MYE4E0 | SAM | 10/30/24 22:57 | | Jaswal | OK |
| 192 | CCV042 | CCV042 | CCV | 10/30/24 23:00 | | Jaswal | OK |
| 193 | CCB042 | CCB042 | CCB | 10/30/24 23:03 | | Jaswal | OK |

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**Instrument ID:** P7

## Daily Analysis Runlog For Sequence/QCBatch ID # LB133210

| | | | |
|---|---|---|---|
| Review By | Sarabjit Jaswal | Review On | 10/30/2024 3:40:25 PM |
| Supervise By | Mohan Bera | Supervise On | 10/30/2024 3:42:59 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569 |
| ICV Standard | MP82578 |
| CCV Standard | MP82579 |
| ICSA Standard | MP82580,MP82581 |
| CRI Standard | |
| LCS Standard | MP82583 |
| Chk Standard | MP82587,MP82586 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 194 | P4482-12 | MYE4E1 | SAM | 10/30/24 23:06 | | Jaswal | OK |
| 195 | P4482-13 | MYE4E2 | SAM | 10/30/24 23:09 | | Jaswal | OK |
| 196 | P4482-17 | MYE4E4 | SAM | 10/30/24 23:12 | | Jaswal | OK |
| 197 | P4482-18 | MYE4E5 | SAM | 10/30/24 23:15 | | Jaswal | OK |
| 198 | P4482-19 | MYE4E6 | SAM | 10/30/24 23:19 | | Jaswal | OK |
| 199 | P4482-20 | MYE4E7 | SAM | 10/30/24 23:22 | | Jaswal | OK |
| 200 | P4482-21 | MYE4E8 | SAM | 10/30/24 23:25 | | Jaswal | OK |
| 201 | P4482-22 | MYE4E9 | SAM | 10/30/24 23:28 | | Jaswal | OK |
| 202 | P4483-01 | MYE4F0 | SAM | 10/30/24 23:31 | | Jaswal | OK |
| 203 | P4483-02 | MYE4F1 | SAM | 10/30/24 23:35 | | Jaswal | OK |
| 204 | P4483-03 | MYE4F2 | SAM | 10/30/24 23:38 | | Jaswal | OK |
| 205 | P4483-04 | MYE4F3 | SAM | 10/30/24 23:41 | | Jaswal | OK |
| 206 | P4483-05 | MYE4F4 | SAM | 10/30/24 23:44 | | Jaswal | OK |
| 207 | P4483-06 | MYE4F5 | SAM | 10/30/24 23:47 | | Jaswal | OK |
| 208 | P4483-07 | MYE4F6 | SAM | 10/30/24 23:50 | | Jaswal | OK |
| 209 | P4483-08 | MYE4F7 | SAM | 10/30/24 23:54 | | Jaswal | OK |
| 210 | P4483-09 | MYE4F8 | SAM | 10/30/24 23:57 | | Jaswal | OK |
| 211 | P4483-10 | MYE4F9 | SAM | 10/31/24 | | Jaswal | OK |
| 212 | P4483-11 | MYE4G0 | SAM | 10/31/24 00:03 | | Jaswal | OK |
| 213 | ICSA008 | ICSA008 | ICSA | 10/31/24 00:06 | | Jaswal | OK |

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**Instrument ID:** P7

## Daily Analysis Runlog For Sequence/QCBatch ID # LB133210

| | | | |
|---|---|---|---|
| Review By | Sarabjit Jaswal | Review On | 10/30/2024 3:40:25 PM |
| Supervise By | Mohan Bera | Supervise On | 10/30/2024 3:42:59 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569 |
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| ICSA Standard | MP82580,MP82581 |
| CRI Standard | |
| LCS Standard | MP82583 |
| Chk Standard | MP82587,MP82586 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 214 | ICSAB008 | ICSAB008 | ICSAB | 10/31/24 00:10 | | Jaswal | OK |
| 215 | CCV043 | CCV043 | CCV | 10/31/24 00:13 | | Jaswal | OK |
| 216 | CCB043 | CCB043 | CCB | 10/31/24 00:16 | | Jaswal | OK |
| 217 | P4483-12 | MYE4G1 | SAM | 10/31/24 00:19 | | Jaswal | OK |
| 218 | P4483-13 | MYE4G2 | SAM | 10/31/24 00:22 | | Jaswal | OK |
| 219 | P4483-14 | MYE4G3 | SAM | 10/31/24 00:25 | | Jaswal | OK |
| 220 | P4483-15 | MYE4G4 | SAM | 10/31/24 00:28 | | Jaswal | OK |
| 221 | P4483-16 | MYE4G5 | SAM | 10/31/24 00:32 | | Jaswal | OK |
| 222 | P4483-17 | MYE4G6 | SAM | 10/31/24 00:35 | | Jaswal | OK |
| 223 | P4483-18 | MYE4G7 | SAM | 10/31/24 00:38 | | Jaswal | OK |
| 224 | P4483-19 | MYE4G8 | SAM | 10/31/24 00:41 | | Jaswal | OK |
| 225 | P4481-12DL | MYE4C1 | SAM | 10/31/24 00:44 | 4X For Ba,Co,Ni,V | Jaswal | Confirms |
| 226 | P4481-13DL | MYE4C1D | DUP | 10/31/24 00:48 | 4X For Ba,Co,Ni,V | Jaswal | Confirms |
| 227 | P4481-12LDL | MYE4C1L | SD | 10/31/24 00:51 | 20X For Ba,Co,Ni,V | Jaswal | Confirms |
| 228 | P4481-14DL | MYE4C1S | MS | 10/31/24 00:54 | 4X For Ba,Co,Ni,V | Jaswal | Confirms |
| 229 | P4481-12MSDL | MYE4C1SRE | MS | 10/31/24 00:57 | 4X For Ba,Co,Ni,V | Jaswal | Confirms |
| 230 | P4482-14DL | MYE4E3 | SAM | 10/31/24 01:01 | 4X For Ba,Co,Ni,V | Jaswal | Confirms |
| 231 | P4482-15DL | MYE4E3D | DUP | 10/31/24 01:04 | 4X For Ba,Co,Ni,V | Jaswal | Confirms |
| 232 | P4482-14LDL | MYE4E3L | SD | 10/31/24 01:07 | 20X For Ba,Co,Ni,V | Jaswal | Confirms |
| 233 | P4482-16DL | MYE4E3S | MS | 10/31/24 01:10 | 4X For Ba,Co,Ni,V | Jaswal | Confirms |

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## Daily Analysis Runlog For Sequence/QCBatch ID # LB133210

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|---|---|---|---|
| Review By | Sarabjit Jaswal | Review On | 10/30/2024 3:40:25 PM |
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|---|---|
| ICAL Standard | MP82568,MP82577,MP82576,MP82574,MP82573,MP82572,MP82571,MP82570,MP82569 |
| ICV Standard | MP82578 |
| CCV Standard | MP82579 |
| ICSA Standard | MP82580,MP82581 |
| CRI Standard | |
| LCS Standard | MP82583 |
| Chk Standard | MP82587,MP82586 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 234 | P4482-14MSDL | MYE4E3SRE | MS | 10/31/24 01:14 | 4X For Ba,Co,Ni,V | Jaswal | Confirms |
| 235 | P4483-20DL | MYE4G9 | SAM | 10/31/24 01:17 | 4X For Ba,Co,Ni,V | Jaswal | Confirms |
| 236 | P4483-21DL | MYE4G9D | DUP | 10/31/24 01:20 | 4X For Ba,Co,Ni,V | Jaswal | Confirms |
| 237 | P4483-20LDL | MYE4G9L | SD | 10/31/24 01:24 | 20X For Ba,Co,Ni,V | Jaswal | Confirms |
| 238 | P4483-22DL | MYE4G9S | MS | 10/31/24 01:27 | 4X For Ba,Co,Ni,V | Jaswal | Confirms |
| 239 | P4483-20MSDL | MYE4G9SRE | MS | 10/31/24 01:30 | 4X For Ba,Co,Ni,V | Jaswal | Confirms |
| 240 | P4481-12A | MYE4C1ARE | PS | 10/31/24 01:33 | Not Required | Jaswal | Not Ok |
| 241 | P4482-14A | MYE4E3ARE | PS | 10/31/24 01:37 | PS For AG(0.02ML MP82908-10ML SAMPLE) | Jaswal | OK |
| 242 | P4483-20A | MYE4G9ARE | PS | 10/31/24 01:40 | PS For AG(0.02ML MP82908-10ML SAMPLE), Pb(0.0076ML mp82593-10ml sample) | Jaswal | OK |
| 243 | CCV044 | CCV044 | CCV | 10/31/24 01:49 | | Jaswal | OK |
| 244 | CCB044 | CCB044 | CCB | 10/31/24 01:52 | | Jaswal | OK |

ORIGIN ID:CVOA (510) 412-2389
SAMPLE CUSTODIAN
EPA R9
200 SW 35TH STREET
CORVALLIS, OR 97333
UNITED STATES US

SHIP DATE: 21OCT24
ACTWGT: 60.00 LB
CAD: 110558659/INET4760
DIMS: 25x14x15 IN

BILL SENDER

TO **SOHIL JODHANI**
**ALLIANCE TECHNICAL GROUP LLC**
**284 SHEFFIELD ST**
**MOUNTAINSIDE NJ 07092**
(908) 728-3152
INV:
PO:
REF: W3150.1.043.09MX.A.K0P551.0700
DEPT:

58CJ4/7DE3/C8C4

J244024091001uv

10/22/24 10:30 17.9.C

1 of 3

TRK# 0201 **7793 0484 2737**
## MASTER ##

**TUE - 22 OCT 10:30A**
**PRIORITY OVERNIGHT**

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**NJ-US EWR**

**07092**

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ORIGIN ID:CVOA (510) 412-2389
SAMPLE CUSTODIAN
EPA R9
200 SW 35TH STREET
CORVALLIS, OR 97333
UNITED STATES US

SHIP DATE: 21OCT24
ACTWGT: 60.00 LB
CAD: 110555859/INET4760
DIMS: 25x14x15 IN
BILL SENDER

TO **SOHIL JODHANI**
**ALLIANCE TECHNICAL GROUP LLC**
**284 SHEFFIELD ST**
**MOUNTAINSIDE NJ 07092**
(908) 728-3152
INV:
PO:
REF: W3150.1.043.09MX.A.K0P551.0700
DEPT:

58CJ4/7DE3/C8C4

FedEx Express

J244024091001uv

10/22/24 1003

18.3 C

2 of 3
MPS# 0263 **7793 0484 1991**
Mstr# 7793 0484 2737

**TUE - 22 OCT 10:30A**
**PRIORITY OVERNIGHT**
0201

**XE KBCA**

**07092**
**NJ-US EWR**

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Alliance TECHNICAL GROUP 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Login Summary Report

| | | | | | |
|---|---|---|---|---|---|
| Order ID : | P4479 | Order Date : | 10/22/2024 10:03:00 AM | Project Mgr : | Deepak |
| Client : | USEPA CLP SMO | Project : | 51817 | Report Type : | USEPA CLP |
| Contact : | Anita Kapadia | Receive Date : | 10/22/2024 10:03:00 AM | EDD Type : | EPA CLP |
| Date Sign Off : | 10/22/2024 3:07:37 PM | | | | |

| Sample ID | Client ID | Matrix | Sampling Date | Test | Test Group | Method | TAT Days | Fax Due Date | HC Due Date |
|---|---|---|---|---|---|---|---|---|---|
| P4479-01 | MYE470 | Solid | 04/23/2024 | | | | | | |
| | | | | Metals CLP Full | | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-02 | MYE471 | Solid | 04/23/2024 | | | | | | |
| | | | | Metals CLP Full | | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-03 | MYE472 | Solid | 04/23/2024 | | | | | | |
| | | | | Metals CLP Full | | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-04 | MYE473 | Solid | 04/23/2024 | | | | | | |
| | | | | Metals CLP Full | | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-05 | MYE474 | Solid | 04/23/2024 | | | | | | |
| | | | | Metals CLP Full | | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-06 | MYE475 | Solid | 04/23/2024 | | | | | | |
| | | | | Metals CLP Full | | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-07 | MYE476 | Solid | 04/23/2024 | | | | | | |
| | | | | Metals CLP Full | | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-08 | MYE477 | Solid | 04/23/2024 | | | | | | |
| | | | | Metals CLP Full | | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Metals CLP MS FULL | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-09 | MYE478 | Solid | 04/23/2024 | | | | | |
| | | | | Metals CLP Full | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-10 | MYE479 | Solid | 04/23/2024 | | | | | |
| | | | | Metals CLP Full | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-11 | MYE480 | Solid | 04/23/2024 | | | | | |
| | | | | Metals CLP Full | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-12 | MYE481 | Solid | 04/23/2024 | | | | | |
| | | | | Metals CLP Full | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-13 | MYE481D | Solid | 04/23/2024 | | | | | |
| | | | | Metals CLP Full | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-14 | MYE481S | Solid | 04/23/2024 | | | | | |
| | | | | Metals CLP Full | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-15 | MYE482 | Solid | 04/23/2024 | | | | | |
| | | | | Metals CLP Full | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-16 | MYE483 | Solid | 04/23/2024 | | | | | |
| | | | | Metals CLP Full | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-17 | MYE484 | Solid | 04/23/2024 | | | | | |
| | | | | Metals CLP Full | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-18 | MYE485 | Solid | 04/23/2024 | | | | | |
| | | | | Metals CLP Full | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Percent Solids | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-19 | MYE486 | Solid | 04/23/2024 | | | | | |
| | | | | Metals CLP Full | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-20 | MYE487 | Solid | 04/23/2024 | | | | | |
| | | | | Metals CLP Full | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-21 | MYE488 | Solid | 04/23/2024 | | | | | |
| | | | | Metals CLP Full | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |
| P4479-22 | MYE489 | Solid | 04/23/2024 | | | | | |
| | | | | Metals CLP Full | SFAM_AES | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Metals CLP MS FULL | SFAM_MS | 15 | 11/12/2024 | 11/12/2024 |
| | | | | Percent Solids | Chemtech -SOP | 15 | 11/12/2024 | 11/12/2024 |

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** PB164350 **WorkList ID :** 184704 **Department :** Digestion **Date :** 10-23-2024 11:48:5

1420

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P4479-01 | MYE470 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-02 | MYE471 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-03 | MYE472 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-04 | MYE473 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-05 | MYE474 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-06 | MYE475 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-07 | MYE476 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-08 | MYE477 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-09 | MYE478 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-10 | MYE479 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-11 | MYE480 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-12 | MYE481 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-13 | MYE481D | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-14 | MYE481S | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-15 | MYE482 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-16 | MYE483 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-17 | MYE484 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-18 | MYE485 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-19 | MYE486 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-20 | MYE487 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |
| P4479-21 | MYE488 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |

**Date/Time** 10/23/24 12:00

**Raw Sample Received by:** JSP CMet dig

**Raw Sample Relinquished by:** SM

**Date/Time** 10/23/24 13:00.

**Raw Sample Received by:** SM

**Raw Sample Relinquished by:** JSP CMet dig

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** PB164350 **WorkList ID :** 184704 **Department :** Digestion **Date :** 10-23-2024 11:48:58

1421

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P4479-22 | MYE489 | Solid | Metals CLP Full | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_AES |

**Date/Time** 10/23/24 12:00

**Raw Sample Received by:** Jap Quet Ding

**Raw Sample Relinquished by:** SM



**Date/Time** 10/23/24 13:00.

**Raw Sample Received by:** SM

**Raw Sample Relinquished by:** Jap Quet Ding

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** PB164349 **WorkList ID :** 184703 **Department :** Digestion **Date :** 10-23-2024 11:46:1

1422

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P4479-01 | MYE470 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-02 | MYE471 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-03 | MYE472 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-04 | MYE473 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-05 | MYE474 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-06 | MYE475 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-07 | MYE476 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-08 | MYE477 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-09 | MYE478 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-10 | MYE479 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-11 | MYE480 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-12 | MYE481 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-13 | MYE481D | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-14 | MYE481S | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-15 | MYE482 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-16 | MYE483 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-17 | MYE484 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-18 | MYE485 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-19 | MYE486 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-20 | MYE487 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |
| P4479-21 | MYE488 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |

**Date/Time** 10/23/24 12:00

**Raw Sample Received by:** JSP CMet dig

**Raw Sample Relinquished by:** SM

**Date/Time** 10/23/24 13:00

**Raw Sample Received by:** SM

**Raw Sample Relinquished by:** JSP CMet dig

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** PB164349 **WorkList ID :** 184703 **Department :** Digestion **Date :** 10-23-2024 11:46:1[illegible]

1423

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P4479-22 | MYE489 | Solid | Metals CLP MS FULL | Cool 4 deg C | USEP01 | Q11 | 04/23/2024 | SFAM_MS |

**Date/Time** 10/23/24 1210

**Raw Sample Received by:** [signature]

**Raw Sample Relinquished by:** [signature]



**Date/Time** 10/23/24 13:00

**Raw Sample Received by:** [signature]

**Raw Sample Relinquished by:** [signature]