UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

**May 23, 2011**

**MEMORANDUM**

**SUBJECT:** Contract Laboratory Program Data Review

**FROM:** for M. Elfelay Marvelyn Humphrey, ESAT Regional Project Officer
Environmental Services Branch (6MD-H)

**TO:** Vincent Malott, Superfund Project Manager (6SF-RA)

**Site :** **WEST CR 112 GROUND WATER**

**Case#:** **41214**

**SDG#:** **MF3T76**

The EPA Region 6 Environmental Services Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative. If you have any questions regarding the data review report, please contact me at (281) 983-2140.

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# ENVIRONMENTAL SERVICES ASSISTANCE TEAM

ESAT Region 6
10625 Fallstone Road
Houston, TX 77099

**Alion Science and Technology**

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**MEMORANDUM**

DATE: May 20, 2011

TO: Marvelyn Humphrey, ESAT PO, Region 6 EPA

FROM: Linda Hoffman, Data Reviewer, ESAT

THRU: Dominic G. Jarecki, ESAT Program Manager, ESAT DGJ

SUBJECT: CLP Data Review

| | |
|---|---|
| Contract No.: | EP-W-06-030 |
| TO No.: | 018 |
| Task/Sub-Task: | 2-12 |
| ESAT Doc. No.: | 9018-212-0148 |
| TDF No.: | 6-10-428A |
| ESAT File No.: | I-0366 |

Attached is the data review summary for Case # 41214
SDG # MF3T76
Site West CR 112 Ground Water

**COMMENTS:**

I. LEVEL OF DATA REVIEW

Modified CADRE review was performed for this data package.

II. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE

The CCS found the data package contractually compliant.

III. TECHNICAL USABILITY ASSESSMENT OF THE DATA PACKAGE

Some results were qualified for technical problems. The significant problem is addressed below.

Laboratory blank concentrations affected three lead results.

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**
**REGION 6**
**HOUSTON BRANCH**
**10625 FALLSTONE ROAD**
**HOUSTON, TEXAS 77099**

## INORGANIC REGIONAL DATA ASSESSMENT

| | | | |
|---|---|---|---|
| CASE NO. | 41214 | SITE | West CR 112 Ground Water |
| LABORATORY | CHEM | NO. OF SAMPLES | 18 |
| CONTRACT# | EP-W-09-038 | MATRIX | Water |
| SDG# | MF3T76 | REVIEWER (IF NOT ESB) | ESAT |
| SOW# | ISM01.2 | REVIEWER'S NAME | Linda Hoffman |
| SF# | 302DD2CA6R6 | COMPLETION DATE | May 20, 2011 |

| SAMPLE NO. | | | | | |
|---|---|---|---|---|---|
| | MF3T76 | MF3T99 | MF3TA5 | MF3TD2 | MF3TE9 |
| | MF3T79 | MF3TA0 | MF3TA6 | MF3TD8 | MF3TF0 |
| | MF3T92 | MF3TA1 | MF3TC4 | MF3TE0 | |
| | MF3T97 | MF3TA3 | MF3TD1 | MF3TE6 | |

DATA ASSESSMENT SUMMARY

| | ICP |
|---|---|
| 1. HOLDING TIMES | O |
| 2. CALIBRATIONS | O |
| 3. BLANKS | M |
| 4. MATRIX SPIKES | O |
| 5. DUPLICATE ANALYSIS | O |
| 6. ICP QC | M |
| 7. LCS | O |
| 8. SAMPLE VERIFICATION | O |
| 9. OTHER QC | N/A |
| 10. OVERALL ASSESSMENT | M |

O = Data had no problems.
M = Data qualified due to major or minor problems.
Z = Data unacceptable.
NA = Not applicable.

**ACTION ITEMS:**

**AREAS OF CONCERN:** Laboratory blank concentrations affected some aluminum, cobalt, copper, lead, manganese, nickel, and zinc results. The copper and iron serial dilution differences were above 10%.

**COMMENTS/CLARIFICATIONS**
**REGION 6 CLP QA REVIEW**

**CASE 41214 SDG MF3T76 SITE WEST CR 112 GROUND WATER LAB CHEM**

**COMMENTS:** This SDG consisted of 18 water samples for total metals ICP-MS analysis following SOW ISM01.2. The sampler designated sample MF3TA5 for laboratory QC analyses.

The target analyte of concern was chromium with a desired detection limit of 2 ug/L. The samples met the user's desired detection limit criteria. The target analyte of concern was reported at concentrations above the user's desired detection limit in samples MF3T76, MF3T79, MF3TA0, MF3TA1, MF3TA3, MF3TA5, MF3TA6, MF3TD1, and MF3TD8. The laboratory diluted (25X) and reanalyzed all samples because the calcium and sodium concentrations were over the calibration ranges.

Modified CADRE review was performed for this package as requested by the Region. For this review option, the CCS and CADRE primarily determine the laboratory contractual compliance and the technical usability of the sample results, respectively. The reviewer performs supplemental hardcopy forms checking and applies Region 6 guidelines, where necessary, to account for known limitations of the electronic review process. Therefore, the reviewer's final assessments may deviate from those found in the CADRE report. The CADRE narrative for the SDG is attached to this report as an addendum for additional information.

**DATA ASSESSMENT:** The QC problems affecting data usability are addressed below.

- Laboratory blank concentrations affected sample results as indicated below.

  The results above the CRQL's for copper in samples MF3T92 and MF3T99; nickel in samples MF3TA1, MF3TA6, MF3TD8, and MF3TE9; and zinc in samples MF3T92 and MF3T97 were qualified as estimated and biased high.

  The results above the CRQL's for aluminum in sample MF3TE6; cobalt in samples MF3TA5 and MF3TD2; copper in sample MF3TF0; lead in samples MF3TA5, MF3TA6, and MF3TE9; manganese in sample MF3TE9; and nickel in sample MF3TA0 were qualified as undetected ("U"), and the reported concentrations should be used as raised QL's ("C").

  Some results at or below the CRQL's for the following analytes should be considered undetected and were flagged "U" at the CRQL's on the DST: aluminum, antimony, cadmium, chromium, cobalt, copper, lead, manganese, silver, and thallium.

- The reviewer qualified the copper and iron results as estimated because the serial dilution differences for these analytes were above the QC limit.

**OVERALL ASSESSMENT:** Some results were qualified for all samples because of problems with laboratory blank concentrations and/or serial dilution differences. ESAT's final data qualifiers in the DST indicate the technical usability of all reported sample results. The DST included in this report is the final version. An Evidence Audit was conducted for the CSF, and the audit results were reported on the Evidence Inventory Checklist.

## INORGANIC ACRONYMS

| | |
|---|---|
| **CADRE** | Computer-Aided Data Review and Evaluation |
| **CCB** | Continuing Calibration Blank |
| **CCS** | Contract Compliance Screening |
| **CCV** | Continuing Calibration Verification |
| **CN** | Cyanide |
| **CRQL** | Contract Required Quantitation Limit |
| **CSF** | Complete SDG File |
| **DST** | Data Summary Table |
| **HG** | Mercury |
| **ICB** | Initial Calibration Blank |
| **ICP** | Inductively Coupled Plasma |
| **ICP-AES** | Inductively Coupled Plasma-Atomic Emission Spectroscopy |
| **ICP-MS** | Inductively Coupled Plasma-Mass Spectrometry |
| **ICS** | Interference Check Sample |
| **ICV** | Initial Calibration Verification |
| **LCS** | Laboratory Control Sample |
| **MDL** | Method Detection Limit |
| **NFG** | National Functional Guidelines |
| **PE** | Performance Evaluation |
| **%D** | Percent Difference |
| **%R** | Percent Recovery |
| **%RI** | Percent Relative Intensity |
| **%RSD** | Percent Relative Standard Deviation |
| **QA** | Quality Assurance |
| **QC** | Quality Control |
| **QL** | Quantitation Limit |
| **RPD** | Relative Percent Difference |
| **RSCC** | Regional Sample Control Center |
| **SDG** | Sample Delivery Group |
| **SMO** | Sample Management Office |
| **SOW** | Statement of Work |
| **SQL** | Sample Quantitation Limit |
| **TAL** | Target Analyte List |

## HEADER DEFINITIONS FOR INORGANIC EXCEL DST

CASE: Case Number
SDG: SDG Number
EPASAMP: EPA Sample Number
LABID: Laboratory File/Sample ID
MATRIX: Sample Matrix
QCCOD: Sample QC Code
SMPQUAL: Sample Qualifier
ANDATE: Sample Analysis Date
ANTIME: Sample Analysis Time
CASNUM: Compound CAS Number
ANALYTE: Compound Name
CONC: Compound Concentration
VALDQAL: Region 6 Inorganic Data Validation Qualifier (see Inorganic Data Qualifier Definitions on the next page)
UNITS: Concentration Units
ADJCRQL: Adjusted Contract Required Quantitation Limit Value
SMPDATE: Sampling Date
PRPDATE: Sample Preparation Date
LRDATE: Laboratory Receipt Date
LEVEL: Sample Level
PERSOLD: Sample Percent Solids
SMPWTVL: Sample Weight (Soil Samples)/Initial Sample Volume (Water Samples)
FINLVOL: Final Sample Volume
METHOD: Method of Analysis
STATLOC: Station Location

**Disclaimer:** **ESAT verified the accuracy of the information reported in the Excel DST only for the following data fields: CASE, SDG, EPASAMP, MATRIX, ANALYTE, CONC, UNITS, ADJCRQL, VALDQAL, and PERSOLD. The data qualifiers in the VALDQAL column indicate the technical usability of the reported results.**

## INORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

**U** Not detected at reported quantitation limit.

**L** Reported concentration is between the MDL and the CRQL.

**J** Result is estimated because of outlying quality control parameters such as matrix spike, serial dilution, etc., or the result is below the CRQL.

**R** Result is unusable.

**F** A possibility of a false negative exists.

**UC** Reported concentration should be used as a raised quantitation limit because of blank effects and/or laboratory or field contamination.

**+** High biased. Actual concentration may be lower than the concentration reported.

**-** Low biased. Actual concentration may be higher than the concentration reported.

**W** The result should be used with caution. The result was reported on a dry weight basis although the sample did not conform to the EPA Office of Water definition of a soil sample because of its high water content (>70% moisture).

| CASE | SDG | EPASAMP | LABID | MATRIX | QCCODE | ANDATE | ANTIME | CASNUM | ANALYTE | CONC | VALDQAL | UNITS | ADJCRQL | SMPDATE | PRPDATE | LRDATE | LEVEL | PERSOLD | SMPWTVL | FINVOL | METHOD | STATLOC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440382 | Arsenic | 7.0 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440393 | Barium | 38.7 | | ug/L | 10.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:21:14 | 7440702 | Calcium | 292000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440473 | Chromium | 17.0 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440508 | Copper | 80.5 | J | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7439896 | Iron | 785 | J | ug/L | 200 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7439921 | Lead | 7.6 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7439954 | Magnesium | 55800 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440020 | Nickel | 2.7 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440097 | Potassium | 7610 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7782492 | Selenium | 23.4 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:21:14 | 7440235 | Sodium | 280000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440622 | Vanadium | 27.5 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440666 | Zinc | 103 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440382 | Arsenic | 6.8 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440393 | Barium | 22.1 | | ug/L | 10.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:29:12 | 7440702 | Calcium | 282000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440473 | Chromium | 27.6 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440508 | Copper | 2.0 | UJ | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7439896 | Iron | 762 | J | ug/L | 200 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7439954 | Magnesium | 56800 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440020 | Nickel | 2.7 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440097 | Potassium | 7630 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7782492 | Selenium | 21.6 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:29:12 | 7440235 | Sodium | 274000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440622 | Vanadium | 29.6 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440666 | Zinc | 5.9 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440382 | Arsenic | 9.0 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440393 | Barium | 28.4 | | ug/L | 10.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 14:32:40 | 7440702 | Calcium | 202000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440473 | Chromium | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440508 | Copper | 3.1 | J+ | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7439896 | Iron | 582 | J | ug/L | 200 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7439954 | Magnesium | 66700 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440020 | Nickel | 2.9 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440097 | Potassium | 5700 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7782492 | Selenium | 24.0 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 14:32:40 | 7440235 | Sodium | 369000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440622 | Vanadium | 42.1 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440666 | Zinc | 3.0 | J+ | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440382 | Arsenic | 9.0 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440393 | Barium | 20.5 | | ug/L | 10.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:51:24 | 7440702 | Calcium | 286000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440473 | Chromium | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440508 | Copper | 2.0 | UJ | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7439896 | Iron | 843 | J | ug/L | 200 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7439954 | Magnesium | 56000 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440020 | Nickel | 2.8 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440097 | Potassium | 6560 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7782492 | Selenium | 26.3 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:51:24 | 7440235 | Sodium | 323000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440622 | Vanadium | 32.0 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440666 | Zinc | 2.9 | J+ | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440382 | Arsenic | 9.3 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440393 | Barium | 24.9 | | ug/L | 10.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:59:29 | 7440702 | Calcium | 257000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440473 | Chromium | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440508 | Copper | 3.1 | J+ | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7439896 | Iron | 695 | J | ug/L | 200 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7439954 | Magnesium | 58800 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440020 | Nickel | 2.7 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440097 | Potassium | 6260 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7782492 | Selenium | 24.7 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:59:29 | 7440235 | Sodium | 331000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440622 | Vanadium | 35.5 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440666 | Zinc | 15.0 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440382 | Arsenic | 4.7 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440393 | Barium | 34.8 | | ug/L | 10.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 18:07:57 | 7440702 | Calcium | 148000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440473 | Chromium | 5.3 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440508 | Copper | 7.2 | J | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7439896 | Iron | 494 | J | ug/L | 200 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7439954 | Magnesium | 45300 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440020 | Nickel | 1.5 | UC | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440097 | Potassium | 6630 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7782492 | Selenium | 12.8 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 18:07:57 | 7440235 | Sodium | 244000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440622 | Vanadium | 32.0 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440666 | Zinc | 5.6 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |

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| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440382 | Arsenic | 14.4 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440393 | Barium | 35.2 | | ug/L | 10.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 18:15:57 | 7440702 | Calcium | 134000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440473 | Chromium | 2.6 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440508 | Copper | 16.0 | J | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7439896 | Iron | 435 | J | ug/L | 200 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7439954 | Magnesium | 47800 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440020 | Nickel | 1.7 | J+ | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440097 | Potassium | 5210 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7782492 | Selenium | 11.8 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 18:15:57 | 7440235 | Sodium | 249000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440622 | Vanadium | 88.6 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440666 | Zinc | 11.7 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440382 | Arsenic | 40.2 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440393 | Barium | 32.3 | | ug/L | 10.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 19:11:35 | 7440702 | Calcium | 148000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440473 | Chromium | 2.5 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440508 | Copper | 321 | J | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7439896 | Iron | 516 | J | ug/L | 200 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7439921 | Lead | 19.6 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7439954 | Magnesium | 39600 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440020 | Nickel | 3.1 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440097 | Potassium | 7050 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7782492 | Selenium | 1.3 | LJ | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 19:11:35 | 7440235 | Sodium | 243000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440622 | Vanadium | 5.0 | U | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440666 | Zinc | 6.2 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440382 | Arsenic | 8.9 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440393 | Barium | 34.7 | | ug/L | 10.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:48:36 | 7440702 | Calcium | 158000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440473 | Chromium | 26.1 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440484 | Cobalt | 1.1 | UC | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440508 | Copper | 24.4 | J | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7439896 | Iron | 480 | J | ug/L | 200 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7439921 | Lead | 1.6 | UC | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7439954 | Magnesium | 31400 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440020 | Nickel | 2.5 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440097 | Potassium | 5210 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7782492 | Selenium | 11.2 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:48:36 | 7440235 | Sodium | 251000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440622 | Vanadium | 39.6 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440666 | Zinc | 4.8 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440382 | Arsenic | 8.5 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440393 | Barium | 33.5 | | ug/L | 10.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 16:08:05 | 7440702 | Calcium | 141000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440473 | Chromium | 28.4 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440508 | Copper | 11.0 | J | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7439896 | Iron | 412 | J | ug/L | 200 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7439921 | Lead | 1.2 | UC | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7439954 | Magnesium | 30500 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440020 | Nickel | 1.7 | J+ | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440097 | Potassium | 5120 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7782492 | Selenium | 11.3 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 16:08:05 | 7440235 | Sodium | 236000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440622 | Vanadium | 40.8 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440666 | Zinc | 17.3 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440382 | Arsenic | 11.7 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440393 | Barium | 45.1 | | ug/L | 10.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 16:16:02 | 7440702 | Calcium | 219000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440473 | Chromium | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440508 | Copper | 2.0 | UJ | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7439896 | Iron | 548 | J | ug/L | 200 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7439954 | Magnesium | 65200 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440020 | Nickel | 2.6 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440097 | Potassium | 9840 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7782492 | Selenium | 11.1 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 16:16:02 | 7440235 | Sodium | 142000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440622 | Vanadium | 64.5 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440666 | Zinc | 43.1 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440382 | Arsenic | 8.3 | | ug/L | 1.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440393 | Barium | 24.0 | | ug/L | 10.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 16:31:58 | 7440702 | Calcium | 458000 | | ug/L | 12500 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440473 | Chromium | 6.4 | | ug/L | 2.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440508 | Copper | 9.2 | J | ug/L | 2.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7439896 | Iron | 1340 | J | ug/L | 200 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7439954 | Magnesium | 98400 | | ug/L | 500 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440020 | Nickel | 4.1 | | ug/L | 1.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440097 | Potassium | 8390 | | ug/L | 500 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7782492 | Selenium | 34.1 | | ug/L | 5.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 16:31:58 | 7440235 | Sodium | 528000 | | ug/L | 12500 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440622 | Vanadium | 31.3 | | ug/L | 5.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440666 | Zinc | 7.1 | | ug/L | 2.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440382 | Arsenic | 12.1 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440393 | Barium | 20.9 | | ug/L | 10.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 16:24:00 | 7440702 | Calcium | 228000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440473 | Chromium | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440484 | Cobalt | 1.1 | UC | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440508 | Copper | 22.2 | J | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7439896 | Iron | 604 | J | ug/L | 200 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7439954 | Magnesium | 70600 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440020 | Nickel | 4.1 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440097 | Potassium | 3120 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7782492 | Selenium | 22.4 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 16:24:00 | 7440235 | Sodium | 325000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440622 | Vanadium | 47.1 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440666 | Zinc | 8.6 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440382 | Arsenic | 9.8 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440393 | Barium | 55.4 | | ug/L | 10.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:39:56 | 7440702 | Calcium | 157000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440473 | Chromium | 2.2 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440508 | Copper | 9.0 | J | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7439896 | Iron | 513 | J | ug/L | 200 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7439954 | Magnesium | 41200 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440020 | Nickel | 1.8 | J+ | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440097 | Potassium | 6130 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7782492 | Selenium | 17.7 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:39:56 | 7440235 | Sodium | 264000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440622 | Vanadium | 46.2 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440666 | Zinc | 6.9 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440382 | Arsenic | 6.9 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440393 | Barium | 24.9 | | ug/L | 10.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:43:26 | 7440702 | Calcium | 274000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440473 | Chromium | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440508 | Copper | 48.9 | J | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7439896 | Iron | 845 | J | ug/L | 200 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7439921 | Lead | 5.6 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7439954 | Magnesium | 56300 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440020 | Nickel | 2.6 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440097 | Potassium | 7140 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7782492 | Selenium | 23.2 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:43:26 | 7440235 | Sodium | 191000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440622 | Vanadium | 26.0 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440666 | Zinc | 34.1 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7429905 | Aluminum | 30.6 | UC | ug/L | 20.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440382 | Arsenic | 7.5 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440393 | Barium | 44.1 | | ug/L | 10.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 19:19:32 | 7440702 | Calcium | 398000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440473 | Chromium | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440508 | Copper | 121 | J | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7439896 | Iron | 1230 | J | ug/L | 200 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7439921 | Lead | 7.3 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7439954 | Magnesium | 82500 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440020 | Nickel | 3.6 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440097 | Potassium | 8150 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7782492 | Selenium | 38.6 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 19:19:32 | 7440235 | Sodium | 416000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440622 | Vanadium | 26.8 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440666 | Zinc | 61.4 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440382 | Arsenic | 13.2 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440393 | Barium | 26.8 | | ug/L | 10.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 19:27:31 | 7440702 | Calcium | 165000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440473 | Chromium | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440508 | Copper | 4.4 | J | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7439896 | Iron | 556 | J | ug/L | 200 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7439921 | Lead | 1.8 | UC | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7439954 | Magnesium | 50400 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7439965 | Manganese | 1.2 | UC | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440020 | Nickel | 2.1 | J+ | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440097 | Potassium | 4640 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7782492 | Selenium | 20.5 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 19:27:31 | 7440235 | Sodium | 316000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440622 | Vanadium | 62.1 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440666 | Zinc | 44.9 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440382 | Arsenic | 6.6 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440393 | Barium | 48.6 | | ug/L | 10.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:35:30 | 7440702 | Calcium | 314000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440473 | Chromium | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440508 | Copper | 2.2 | UCJ | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7439896 | Iron | 994 | J | ug/L | 200 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7439954 | Magnesium | 56300 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440020 | Nickel | 2.7 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440097 | Potassium | 7320 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7782492 | Selenium | 22.7 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:35:30 | 7440235 | Sodium | 214000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440622 | Vanadium | 26.3 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440666 | Zinc | 6.6 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |

# INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 41214 SDG No. MF3T76 SDG Nos. To Follow Mod. Ref. No. Date Rec 05/05/11

EPA Lab ID: CHEM

Lab location: Mountainside, NJ

Region: 6 Audit No.: 41214/MF3T76

Resubmitted CSF? Yes No X

Box No(s): 1

COMMENTS:

Item Description

Over for additional comments.

| ORIGINALS | YES | NO | N/A |
|---|---|---|---|
| **CUSTODY SEALS** | | | |
| 1. Present on package? | X | | |
| 2. Intact upon receipt? | X | | |
| **FORM DC-2** | | | |
| 3. Numbering scheme accurate? | X | | |
| 4. Are enclosed documents listed? | X | | |
| 5. Are listed documents enclosed? | X | | |
| **FORM DC-1** | | | |
| 6. Present? | X | | |
| 7. Complete? | X | | |
| 8. Accurate? | X | | |
| **TRAFFIC REPORT/CHAIN-OF-CUSTODY RECORD(s)** | | | |
| 9. Signed? | X | | |
| 10. Dated? | X | | |
| **AIRBILLS/AIRBILL STICKER** | | | |
| 11. Present? | X | | |
| 12. Signed? | X | | |
| 13. Dated? | X | | |
| **SAMPLE TAGS** | | | |
| 14. Does DC-1 list tags as being included? | X | | |
| 15. Present? | X | | |
| **OTHER DOCUMENTS** | | | |
| 16. Complete? | X | | |
| 17. Legible? | X | | |
| 18. Original? | X | | |
| 18a. If "NO", does the copy indicate where original documents are located? | | | X |

Audited Linda Hoffman/ESAT Data Reviewer Date 05/17/11

Audited Date

Signature Printed Name/Title

DC-2

# USEPA Contract Laboratory Program
# Inorganic Traffic Report & Chain of Custody Record

Case No: 41214
DAS No:
R

| | | | | | |
|---|---|---|---|---|---|
| Region: | 6 | Date Shipped: | 4/13/2011 | Chain of Custody Record | Sampler Signature: |
| Project Code: | EP-W-06-004 | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | | Airbill: | 7946 3300 1409 | 1 [illegible] 4-13-2011 1700 | |
| CERCLIS ID: | TXN000606992 | Shipped to: | ChemTech Consulting Group (CHEMED) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900 | 2 | |
| Spill ID: | | | | 3 | |
| Site Name/State: | WCR 112 Ground Water Plume Site/TX | | | 4 | |
| Project Leader: | LUIS VEGA | | | | |
| Action: | Remedial Investigation | | | | |
| Sampling Co: | EA Engineering, Science and Technology | | | | |

| INORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | ORGANIC SAMPLE No. | QC Type |
|---|---|---|---|---|---|---|---|---|---|
| MF3T76 | Ground Water/ JAVIER MANZANO | L/G | TM CLP (21) | 6-455738 (HNO3) (1) | GW-196 | S: 4/13/2011 | 9:07 | | -- |
| MF3T79 | Ground Water/ JAVIER MANZANO | L/G | TM CLP (21) | 6-455741 (HNO3) (1) | GW-194 | S: 4/13/2011 | 9:43 | | -- |
| MF3T92 | Ground Water/ JACK SCHWERTZ | L/G | TM CLP (21) | 6-455754 (HNO3) (1) | GW-263 | S: 4/13/2011 | 8:33 | | -- |
| MF3TA5 | Ground Water/ DAVID WERTH | L/G | TM CLP (21) | 6-455768 (HNO3), 6-455769 (HNO3) (2) | GW-293-MS/MD | S: 4/13/2011 | 8:58 | | -- |
| MF3TA6 | Ground Water/ DAVID WERTH | L/G | TM CLP (21) | 6-455770 (HNO3) (1) | GW-057 | S: 4/13/2011 | 9:34 | | -- |
| MF3TC4 | Ground Water/ JAVIER MANZANO | L/G | TM CLP (21) | 6-455789 (HNO3) (1) | GW-372 | S: 4/13/2011 | 8:31 | | -- |
| MF3TD2 | Ground Water/ DAVID WERTH | L/G | TM CLP (21) | 6-455797 (HNO3) (1) | GW-266 | S: 4/13/2011 | 8:13 | | -- |

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| | | | |
|---|---|---|---|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: MF3TA5 | Additional Sampler Signature(s): [illegible] | Chain of Custody Seal Number: |
| Analysis Key: TM CLP = CLP TM ISM01.2 ICP-MS | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |

**TR Number: 6-271667327-041311-0004**

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PR provides preliminary results. Requests for preliminary results will increase analytical costs.
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# USEPA Contract Laboratory Program
# Inorganic Traffic Report & Chain of Custody Record

**Case No:** 41214 **R**
**DAS No:**

| | | | |
|---|---|---|---|
| **Region:** | 6 | **Date Shipped:** | 4/13/2011 |
| **Project Code:** | EP-W-06-004 | **Carrier Name:** | FedEx |
| **Account Code:** | | **Airbill:** | 7946 3300 1534 |
| **CERCLIS ID:** | TXN000606992 | **Shipped to:** | ChemTech Consulting Group (CHEMED) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900 |
| **Spill ID:** | | | |
| **Site Name/State:** | WCR 112 Ground Water Plume Site/TX | | |
| **Project Leader:** | LUIS VEGA | | |
| **Action:** | Remedial Investigation | | |
| **Sampling Co:** | EA Engineering, Science and Technology | | |

**Chain of Custody Record**

Sampler Signature: [signature]

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| [signature] | 4-13-2011 1700 | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

| INORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | ORGANIC SAMPLE No. | QC Type |
|---|---|---|---|---|---|---|---|---|
| MF3T78 | Ground Water/ JAVIER MANZANO | L/G | TM CLP (21) | 6-455740 (HNO3) (1) | GW-192 | S: 4/13/2011 10:08 | | -- |
| MF3T93 | Ground Water/ JACK SCHWERTZ | L/G | TM CLP (21) | 6-455755 (HNO3), 6-455756 (HNO3) (2) | GW-013-MS/MD | S: 4/13/2011 9:34 | | -- |
| MF3T94 | Ground Water/ JACK SCHWERTZ | L/G | TM CLP (21) | 6-455757 (HNO3) (1) | GW-129 | S: 4/13/2011 11:33 | | -- |
| MF3TB0 | Ground Water/ DAVID WERTH | L/G | TM CLP (21) | 6-455774 (HNO3) (1) | GW-179 | S: 4/12/2011 17:37 | | -- |
| MF3TD1 | Ground Water/ DAVID WERTH | L/G | TM CLP (21) | 6-455796 (HNO3) (1) | GW-292 | S: 4/12/2011 18:41 | | -- |
| MF3TD8 | Ground Water/ JACK SCHWERTZ | L/G | TM CLP (21) | 6-455803 (HNO3) (1) | GW-033 | S: 4/13/2011 10:49 | | -- |
| MF3TE0 | Ground Water/ DAVID WERTH | L/G | TM CLP (21) | 6-455805 (HNO3) (1) | GW-714 | S: 4/13/2011 10:51 | | -- |

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| | | | |
|---|---|---|---|
| **Shipment for Case Complete?** N | **Sample(s) to be used for laboratory QC:** MF3T93 | **Additional Sampler Signature(s):** [signature] | **Chain of Custody Seal Number:** |
| **Analysis Key:** TM CLP = CLP TM ISM01.2 ICP-MS | **Concentration:** L = Low, M = Low/Medium, H = High | **Type/Designate:** Composite = C, Grab = G | **Shipment Iced?** _____ |

**TR Number:** 6-271667327-041311-0005

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PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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# USEPA Contract Laboratory Program
## Inorganic Traffic Report & Chain of Custody Record

Case No: 41214
DAS No:
R

| | | | | | |
|---|---|---|---|---|---|
| Region: | 6 | Date Shipped: | 4/14/2011 | Chain of Custody Record | Sampler Signature: Jack Schwertz |
| Project Code: | EP-W-06-004 | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | | Airbill: | 7969 7136 3153 | 1 [illegible] 4-14-2011 1500 | |
| CERCLIS ID: | TXN000606992 | Shipped to: | ChemTech Consulting Group (CHEMED) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900 | 2 | |
| Spill ID: | | | | 3 | |
| Site Name/State: | WCR 112 Ground Water Plume Site/TX | | | 4 | |
| Project Leader: | LUIS VEGA | | | | |
| Action: | Remedial Investigation | | | | |
| Sampling Co: | EA Engineering, Science and Technology | | | | |

| INORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | ORGANIC SAMPLE No. | QC Type |
|---|---|---|---|---|---|---|---|---|
| MF3T97 | Ground Water/ JAVIER MANZANO | L/G | TM CLP (21) | 6-455760 (HNO3) (1) | GW-184 | S: 4/14/2011 8:38 | | -- |
| MF3T99 | Ground Water/ JAVIER MANZANO | L/G | TM CLP (21) | 6-455762 (HNO3) (1) | GW-504 | S: 4/14/2011 9:23 | | -- |
| MF3TA0 | Ground Water/ JAVIER MANZANO | L/G | TM CLP (21) | 6-455763 (HNO3) (1) | GW-010 | S: 4/14/2011 11:09 | | -- |
| MF3TA1 | Ground Water/ JAVIER MANZANO | L/G | TM CLP (21) | 6-455764 (HNO3) (1) | GW-039 | S: 4/14/2011 10:47 | | -- |
| MF3TA3 | Ground Water/ JAVIER MANZANO | L/G | TM CLP (21) | 6-455766 (HNO3) (1) | GW-153 | S: 4/14/2011 9:57 | | -- |
| MF3TE6 | Ground Water/ JACK SCHWERTZ | L/G | TM CLP (21) | 6-455811 (HNO3) (1) | GW-501 | S: 4/14/2011 10:42 | | -- |
| MF3TE9 | Ground Water/ JACK SCHWERTZ | L/G | TM CLP (21) | 6-455814 (HNO3) (1) | GW-721 | S: 4/14/2011 9:22 | | -- |
| MF3TF0 | Ground Water/ JACK SCHWERTZ | L/G | TM CLP (21) | 6-455815 (HNO3) (1) | GW-722 | S: 4/14/2011 10:00 | | -- |

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| | | | |
|---|---|---|---|
| Shipment for Case Complete? Y | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |
| TM CLP = CLP TM ISM01.2 ICP-MS | | | |

**TR Number: 6-271667327-041411-0005**

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PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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# ADDENDUM

# CADRE NARRATIVE

# National Functional Guidelines Report #03

**Lab** CHEM(Chemtech Consulting Group) **SDG** MF3T76 **Case** 41214 **Contract** EPW09038 **Region** 6 **DDTID** 120010 **SOW** ISM01.2

## *Data Review Reports*

Blanks

| Blanks | ICP_MS |
|---|---|
| ND06 | The following samples have analyte results greater than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes. |
| | LCS, MF3T76, MF3T79, MF3T92, MF3TA5S, MF3TA5, MF3TA5D, MF3TA6, MF3TC4, MF3TD2, MF3TD1, MF3TD8, MF3TE0, MF3T97, MF3T99, MF3TA0, MF3TA1, MF3TE6, MF3TE9, MF3TF0, MF3TA5L, MF3TA3 |
| | Vanadium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Sodium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Arsenic LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Barium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Aluminum LCS , MF3TE6 , MF3TA5L |
| | Antimony LCS , MF3TA5S |
| | Potassium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Thallium LCS , MF3TA5S , MF3TA5L |
| | Magnesium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Silver LCS , MF3TA5S |
| **Blanks** | **ICP_MS** |
| ND05 | The following samples have analyte results greater than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes. |
| | LCS, MF3T76, MF3T79, MF3T92, MF3TA5S, MF3TA5, MF3TA5D, MF3TA6, MF3TC4, MF3TD2, MF3TD1, MF3TD8, MF3TE0, MF3T97, MF3T99, MF3TA0, MF3TA1, MF3TE6, MF3TE9, MF3TF0, MF3TA5L, MF3TA3 |
| | Vanadium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Arsenic LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Chromium LCS , MF3T76 , MF3T79 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TD1 , MF3TD8 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TA5L |
| | Nickel LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Potassium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Copper LCS , MF3T76 , MF3T92 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Lead LCS , MF3T76 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TE0 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TA5L |
| | Sodium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |

# National Functional Guidelines Report #03

**Lab** CHEM(Chemtech Consulting Group) **SDG** MF3T76 **Case** 41214 **Contract** EPW09038 **Region** 6 **DDTID** 120010 **SOW** ISM01.2

## *Data Review Reports*

Blanks

| Blanks | ICP_MS |
|---|---|
| | Barium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Cobalt LCS , MF3TA5S , MF3TA5 , MF3TD2 , MF3TA5L |
| | Zinc LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Aluminum LCS , MF3TE6 , MF3TA5L |
| | Beryllium LCS , MF3TA5S , MF3TA5L |
| | Antimony LCS , MF3TA5S |
| | Thallium LCS , MF3TA5S , MF3TA5L |
| | Cadmium LCS , MF3TA5S , MF3TA5L |
| | Magnesium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Silver LCS , MF3TA5S |
| | Iron LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Manganese LCS , MF3TA5S , MF3TE9 , MF3TA5L |
| **Blanks** | **ICP_MS** |
| NE05 | The following samples have analyte results greater than CRQLs. The associated preparation blank analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualify detected and nondetected analytes. |
| | LCS, MF3T76, MF3T79, MF3T92, MF3TA5, MF3TA5D, MF3TA6, MF3TC4, MF3TD2, MF3TD1, MF3TD8, MF3TE0, MF3T97, MF3T99, MF3TA0, MF3TA1, MF3TA3, MF3TE6, MF3TE9, MF3TF0, MF3TA5L |
| | Sodium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Potassium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| **Blanks** | **ICP_MS** |
| ND04 | The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated at CRQLs. |
| | MF3T92, MF3TA5, MF3TA6, MF3TC4, MF3TD2, MF3TD1, MF3TE0, MF3T97, MF3TA1, MF3TA3, MF3TE9, MF3TF0, MF3TE6, MF3TA5L |
| | Aluminum MF3T92 , MF3TA5 , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TE0 , MF3T97 , MF3TA1 , MF3TA3 , MF3TE9 , MF3TF0 |
| | Antimony MF3T92 , MF3TA5 , MF3TA6 , MF3TE0 , MF3TA3 , MF3TE6 , MF3TA5L |
| | Thallium MF3T92 , MF3TA5 , MF3TA6 , MF3TE0 , MF3TA3 |
| | Silver MF3T92 , MF3TA5 , MF3TA6 , MF3TE0 , MF3TA3 , MF3TE6 , MF3TA5L |

# National Functional Guidelines Report #03

**Lab** CHEM(Chemtech Consulting Group) **SDG** MF3T76 **Case** 41214 **Contract** EPW09038 **Region** 6 **DDTID** 120010 **SOW** ISM01.2

## *Data Review Reports*

Blanks

| Blanks | ICP_MS |
|---|---|
| **Blanks** | **ICP_MS** |
| ND03 | The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated to CRQLs. |
| | PBW, MF3T92, MF3TC4, MF3TD2, MF3TE0, MF3T97, MF3T99, MF3TE6, MF3TE9, MF3TF0, MF3TA5D, MF3TA6, MF3TA3, MF3TA5, MF3TD1, MF3TA1, MF3TA5L, MF3T79, MF3T76, MF3TD8, MF3TA0 |
| | Sodium PBW |
| | Chromium MF3T92 , MF3TC4 , MF3TD2 , MF3TE0 , MF3T97 , MF3T99 , MF3TE6 , MF3TE9 , MF3TF0 |
| | Cobalt MF3T92 , MF3TA5D , MF3TA6 , MF3TC4 , MF3T99 , MF3TA3 |
| | Aluminum MF3T92 , MF3TA5 , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TE0 , MF3T97 , MF3TA1 , MF3TA3 , MF3TE9 , MF3TF0 |
| | Antimony MF3T92 , MF3TA5 , MF3TA6 , MF3TE0 , MF3TA3 , MF3TE6 , MF3TA5L |
| | Potassium PBW |
| | Cadmium MF3TA3 |
| | Thallium MF3T92 , MF3TA5 , MF3TA6 , MF3TE0 , MF3TA3 |
| | Copper MF3T79 , MF3TC4 , MF3T97 |
| | Silver MF3T92 , MF3TA5 , MF3TA6 , MF3TE0 , MF3TA3 , MF3TE6 , MF3TA5L |
| | Manganese MF3T76 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TD2 , MF3TD1 , MF3TE0 , MF3TA1 , MF3TA3 |
| | Lead MF3T79 , MF3T92 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TF0 |
| **Blanks** | **ICP_MS** |
| ND15 | The following samples have analyte results greater than or equal to MDLs. The associated ICB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes. |
| | LCS, MF3T76, MF3T79, MF3T92, MF3TA5, MF3TA5D, MF3TA6, MF3TC4, MF3TD2, MF3TD1, MF3TD8, MF3TE0, MF3T97, MF3T99, MF3TA0, MF3TA1, MF3TA3, MF3TE6, MF3TE9, MF3TF0, MF3TA5L |
| | Calcium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| **Blanks** | **ICP_MS** |
| ND16 | The following samples have analyte results greater than or equal to MDLs. The associated CCB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes. |
| | LCS, MF3T76, MF3T79, MF3T92, MF3TA5, MF3TA5D, MF3TA6, MF3TC4, MF3TD2, MF3TD1, MF3TD8, MF3TE0, MF3T97, MF3T99, MF3TA0, MF3TA1, MF3TA3, MF3TE6, MF3TE9, MF3TF0, MF3TA5L |
| | Calcium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| **Blanks** | **ICP_MS** |
| NCB01 | The following samples have analyte results greater than or equal to MDLs but equal to CRQLs. The associated ICB analyte results are greater than or |

# National Functional Guidelines Report #03

**Lab** CHEM(Chemtech Consulting Group) **SDG** MF3T76 **Case** 41214 **Contract** EPW09038 **Region** 6 **DDTID** 120010 **SOW** ISM01.2

## *Data Review Reports*

Blanks

| Blanks | ICP_MS |
|---|---|
| | equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are reported at CRQLs. |
| | MF3TE6 |
| | Manganese MF3TE6 |

# National Functional Guidelines Report #03

**Lab** CHEM(Chemtech Consulting Group) **SDG** MF3T76 **Case** 41214 **Contract** EPW09038 **Region** 6 **DDTID** 120010 **SOW** ISM01.2

## *Data Review Reports*

Detection Limit

| Detection Limit | ICP_MS |
|---|---|
| NDL1 | The following samples have results greater than or equal to MDLs but less than CRQLs. Detected analytes are qualified J. |
| | MF3T92, MF3TC4, MF3TD2, MF3TE0, MF3T97, MF3T99, MF3TE6, MF3TE9, MF3TF0, MF3TA5L, PBW, MF3T79, MF3TD1, MF3TD8, MF3TA0, MF3TA1, MF3TA3, MF3TA5D, MF3TA6, MF3TA5, MF3T76 |
| | Chromium MF3T92 , MF3TC4 , MF3TD2 , MF3TE0 , MF3T97 , MF3T99 , MF3TE6 , MF3TE9 , MF3TF0 |
| | Nickel MF3TA5L |
| | Potassium PBW |
| | Copper MF3T79 , MF3TC4 , MF3T97 |
| | Lead MF3T79 , MF3T92 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TF0 , MF3TA5L |
| | Sodium PBW |
| | Selenium MF3TA3 , MF3TA5L |
| | Barium MF3TA5L |
| | Cobalt MF3T92 , MF3TA5D , MF3TA6 , MF3TC4 , MF3T99 , MF3TA3 , MF3TA5L |
| | Zinc MF3TA5L |
| | Beryllium MF3TA5L |
| | Aluminum MF3T92 , MF3TA5 , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TE0 , MF3T97 , MF3TA1 , MF3TA3 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Antimony MF3T92 , MF3TA5 , MF3TA6 , MF3TE0 , MF3TA3 , MF3TE6 , MF3TA5L |
| | Thallium MF3T92 , MF3TA5 , MF3TA6 , MF3TE0 , MF3TA3 , MF3TA5L |
| | Cadmium MF3TA3 , MF3TA5L |
| | Iron MF3TA5L |
| | Manganese MF3T76 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TD2 , MF3TD1 , MF3TE0 , MF3TA1 , MF3TA3 , MF3TA5L |
| | Silver MF3T92 , MF3TA5 , MF3TA6 , MF3TE0 , MF3TA3 , MF3TE6 , MF3TA5L |

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## *Data Review Reports*

Serial Dilution

| Serial Dilution | ICP_MS |
|---|---|
| NL032 | The following ICP-MS Serial Dilution (SD) samples have percent difference (%D) greater than 10% and initial sample results are greater than 50xMDLs. The detected analytes in samples with results greater than or equal to MDLs are qualified J. Nondetected analytes in samples are qualified UJ. |
| | MF3T76, MF3T79, MF3T92, MF3TA5, MF3TA6, MF3TC4, MF3TD2, MF3TD1, MF3TD8, MF3TE0, MF3T97, MF3T99, MF3TA0, MF3TA1, MF3TA3, MF3TE6, MF3TE9, MF3TF0 |
| | Copper MF3TA5L |
| | Iron MF3TA5L |

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## *Data Review Reports*

Blanks

| Blanks | ICP_MS |
|---|---|
| ND06 | The following samples have analyte results greater than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes. |
| | LCS, MF3T76, MF3T79, MF3T92, MF3TA5S, MF3TA5, MF3TA5D, MF3TA6, MF3TC4, MF3TD2, MF3TD1, MF3TD8, MF3TE0, MF3T97, MF3T99, MF3TA0, MF3TA1, MF3TE6, MF3TE9, MF3TF0, MF3TA5L, MF3TA3 |
| | Vanadium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Sodium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Arsenic LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Barium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Aluminum LCS , MF3TE6 , MF3TA5L |
| | Antimony LCS , MF3TA5S |
| | Potassium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Thallium LCS , MF3TA5S , MF3TA5L |
| | Magnesium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Silver LCS , MF3TA5S |
| **Blanks** | **ICP_MS** |
| ND05 | The following samples have analyte results greater than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes. |
| | LCS, MF3T76, MF3T79, MF3T92, MF3TA5S, MF3TA5, MF3TA5D, MF3TA6, MF3TC4, MF3TD2, MF3TD1, MF3TD8, MF3TE0, MF3T97, MF3T99, MF3TA0, MF3TA1, MF3TE6, MF3TE9, MF3TF0, MF3TA5L, MF3TA3 |
| | Vanadium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Arsenic LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Chromium LCS , MF3T76 , MF3T79 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TD1 , MF3TD8 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TA5L |
| | Nickel LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Potassium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Copper LCS , MF3T76 , MF3T92 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Lead LCS , MF3T76 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TE0 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TA5L |
| | Sodium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |

# National Functional Guidelines Report #03

**Lab** CHEM(Chemtech Consulting Group) **SDG** MF3T76 **Case** 41214 **Contract** EPW09038 **Region** 6 **DDTID** 120010 **SOW** ISM01.2

## *Data Review Reports*

Blanks

| Blanks | ICP_MS |
|---|---|
| | Barium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Cobalt LCS , MF3TA5S , MF3TA5 , MF3TD2 , MF3TA5L |
| | Zinc LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5S , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Aluminum LCS , MF3TE6 , MF3TA5L |
| | Beryllium LCS , MF3TA5S , MF3TA5L |
| | Antimony LCS , MF3TA5S |
| | Thallium LCS , MF3TA5S , MF3TA5L |
| | Cadmium LCS , MF3TA5S , MF3TA5L |
| | Magnesium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Silver LCS , MF3TA5S |
| | Iron LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Manganese LCS , MF3TA5S , MF3TE9 , MF3TA5L |
| **Blanks** | **ICP_MS** |
| NE05 | The following samples have analyte results greater than CRQLs. The associated preparation blank analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualify detected and nondetected analytes. |
| | LCS, MF3T76, MF3T79, MF3T92, MF3TA5, MF3TA5D, MF3TA6, MF3TC4, MF3TD2, MF3TD1, MF3TD8, MF3TE0, MF3T97, MF3T99, MF3TA0, MF3TA1, MF3TA3, MF3TE6, MF3TE9, MF3TF0, MF3TA5L |
| | Sodium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Potassium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| **Blanks** | **ICP_MS** |
| ND04 | The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated at CRQLs. |
| | MF3T92, MF3TA5, MF3TA6, MF3TC4, MF3TD2, MF3TD1, MF3TE0, MF3T97, MF3TA1, MF3TA3, MF3TE9, MF3TF0, MF3TE6, MF3TA5L |
| | Aluminum MF3T92 , MF3TA5 , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TE0 , MF3T97 , MF3TA1 , MF3TA3 , MF3TE9 , MF3TF0 |
| | Antimony MF3T92 , MF3TA5 , MF3TA6 , MF3TE0 , MF3TA3 , MF3TE6 , MF3TA5L |
| | Thallium MF3T92 , MF3TA5 , MF3TA6 , MF3TE0 , MF3TA3 |
| | Silver MF3T92 , MF3TA5 , MF3TA6 , MF3TE0 , MF3TA3 , MF3TE6 , MF3TA5L |

# National Functional Guidelines Report #03

**Lab** CHEM(Chemtech Consulting Group) **SDG** MF3T76 **Case** 41214 **Contract** EPW09038 **Region** 6 **DDTID** 120010 **SOW** ISM01.2

## *Data Review Reports*

Blanks

| Blanks | ICP_MS |
|---|---|
| **Blanks** | **ICP_MS** |
| ND03 | The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated to CRQLs. |
| | PBW, MF3T92, MF3TC4, MF3TD2, MF3TE0, MF3T97, MF3T99, MF3TE6, MF3TE9, MF3TF0, MF3TA5D, MF3TA6, MF3TA3, MF3TA5, MF3TD1, MF3TA1, MF3TA5L, MF3T79, MF3T76, MF3TD8, MF3TA0 |
| | Sodium PBW |
| | Chromium MF3T92 , MF3TC4 , MF3TD2 , MF3TE0 , MF3T97 , MF3T99 , MF3TE6 , MF3TE9 , MF3TF0 |
| | Cobalt MF3T92 , MF3TA5D , MF3TA6 , MF3TC4 , MF3T99 , MF3TA3 |
| | Aluminum MF3T92 , MF3TA5 , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TE0 , MF3T97 , MF3TA1 , MF3TA3 , MF3TE9 , MF3TF0 |
| | Antimony MF3T92 , MF3TA5 , MF3TA6 , MF3TE0 , MF3TA3 , MF3TE6 , MF3TA5L |
| | Potassium PBW |
| | Cadmium MF3TA3 |
| | Thallium MF3T92 , MF3TA5 , MF3TA6 , MF3TE0 , MF3TA3 |
| | Copper MF3T79 , MF3TC4 , MF3T97 |
| | Silver MF3T92 , MF3TA5 , MF3TA6 , MF3TE0 , MF3TA3 , MF3TE6 , MF3TA5L |
| | Manganese MF3T76 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TD2 , MF3TD1 , MF3TE0 , MF3TA1 , MF3TA3 |
| | Lead MF3T79 , MF3T92 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TF0 |
| **Blanks** | **ICP_MS** |
| ND15 | The following samples have analyte results greater than or equal to MDLs. The associated ICB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes. |
| | LCS, MF3T76, MF3T79, MF3T92, MF3TA5, MF3TA5D, MF3TA6, MF3TC4, MF3TD2, MF3TD1, MF3TD8, MF3TE0, MF3T97, MF3T99, MF3TA0, MF3TA1, MF3TA3, MF3TE6, MF3TE9, MF3TF0, MF3TA5L |
| | Calcium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| **Blanks** | **ICP_MS** |
| ND16 | The following samples have analyte results greater than or equal to MDLs. The associated CCB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes. |
| | LCS, MF3T76, MF3T79, MF3T92, MF3TA5, MF3TA5D, MF3TA6, MF3TC4, MF3TD2, MF3TD1, MF3TD8, MF3TE0, MF3T97, MF3T99, MF3TA0, MF3TA1, MF3TA3, MF3TE6, MF3TE9, MF3TF0, MF3TA5L |
| | Calcium LCS , MF3T76 , MF3T79 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3TE0 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TA3 , MF3TE6 , MF3TE9 , MF3TF0 , MF3TA5L |
| **Blanks** | **ICP_MS** |
| NCB01 | The following samples have analyte results greater than or equal to MDLs but equal to CRQLs. The associated ICB analyte results are greater than or equal |

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**Lab** CHEM(Chemtech Consulting Group) **SDG** MF3T76 **Case** 41214 **Contract** EPW09038 **Region** 6 **DDTID** 120010 **SOW** ISM01.2

## *Data Review Reports*

Blanks

| Blanks | ICP_MS |
|---|---|
| | to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are reported at CRQLs. |
| | MF3TE6 |
| | Manganese MF3TE6 |

# National Functional Guidelines Report #03

**Lab** CHEM(Chemtech Consulting Group) **SDG** MF3T76 **Case** 41214 **Contract** EPW09038 **Region** 6 **DDTID** 120010 **SOW** ISM01.2

## *Data Review Reports*

Detection Limit

| Detection Limit | ICP_MS |
|---|---|
| NDL1 | The following samples have results greater than or equal to MDLs but less than CRQLs. Detected analytes are qualified J. |
| | MF3T92, MF3TC4, MF3TD2, MF3TE0, MF3T97, MF3T99, MF3TE6, MF3TE9, MF3TF0, MF3TA5L, PBW, MF3T79, MF3TD1, MF3TD8, MF3TA0, MF3TA1, MF3TA3, MF3TA5D, MF3TA6, MF3TA5, MF3T76 |
| | Chromium MF3T92 , MF3TC4 , MF3TD2 , MF3TE0 , MF3T97 , MF3T99 , MF3TE6 , MF3TE9 , MF3TF0 |
| | Nickel MF3TA5L |
| | Potassium PBW |
| | Copper MF3T79 , MF3TC4 , MF3T97 |
| | Lead MF3T79 , MF3T92 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TD8 , MF3T97 , MF3T99 , MF3TA0 , MF3TA1 , MF3TF0 , MF3TA5L |
| | Sodium PBW |
| | Selenium MF3TA3 , MF3TA5L |
| | Barium MF3TA5L |
| | Cobalt MF3T92 , MF3TA5D , MF3TA6 , MF3TC4 , MF3T99 , MF3TA3 , MF3TA5L |
| | Zinc MF3TA5L |
| | Beryllium MF3TA5L |
| | Aluminum MF3T92 , MF3TA5 , MF3TA6 , MF3TC4 , MF3TD2 , MF3TD1 , MF3TE0 , MF3T97 , MF3TA1 , MF3TA3 , MF3TE9 , MF3TF0 , MF3TA5L |
| | Antimony MF3T92 , MF3TA5 , MF3TA6 , MF3TE0 , MF3TA3 , MF3TE6 , MF3TA5L |
| | Thallium MF3T92 , MF3TA5 , MF3TA6 , MF3TE0 , MF3TA3 , MF3TA5L |
| | Cadmium MF3TA3 , MF3TA5L |
| | Iron MF3TA5L |
| | Manganese MF3T76 , MF3T92 , MF3TA5 , MF3TA5D , MF3TA6 , MF3TD2 , MF3TD1 , MF3TE0 , MF3TA1 , MF3TA3 , MF3TA5L |
| | Silver MF3T92 , MF3TA5 , MF3TA6 , MF3TE0 , MF3TA3 , MF3TE6 , MF3TA5L |

# National Functional Guidelines Report #03

**Lab** CHEM(Chemtech Consulting Group) **SDG** MF3T76 **Case** 41214 **Contract** EPW09038 **Region** 6 **DDTID** 120010 **SOW** ISM01.2

## *Data Review Reports*

Serial Dilution

| Serial Dilution | ICP_MS |
|---|---|
| NL032 | The following ICP-MS Serial Dilution (SD) samples have percent difference (%D) greater than 10% and initial sample results are greater than 50xMDLs. The detected analytes in samples with results greater than or equal to MDLs are qualified J. Nondetected analytes in samples are qualified UJ. |
| | MF3T76, MF3T79, MF3T92, MF3TA5, MF3TA6, MF3TC4, MF3TD2, MF3TD1, MF3TD8, MF3TE0, MF3T97, MF3T99, MF3TA0, MF3TA1, MF3TA3, MF3TE6, MF3TE9, MF3TF0 |
| | Copper MF3TA5L |
| | Iron MF3TA5L |

| CASE | SDG | EPASAMP | LABID | MATRIX | QCCODE | ANDATE | ANTIME | CASNUM | ANALYTE | CONC | VALDQAL | UNITS | ADJCRQL | SMPDATE | PRPDATE | LRDATE | LEVEL | PERSOLD | SMPWTVL | FINVOL | METHOD | STATLOC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440382 | Arsenic | 7.0 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440393 | Barium | 38.7 | | ug/L | 10.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:21:14 | 7440702 | Calcium | 292000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440473 | Chromium | 17.0 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440508 | Copper | 80.5 | J | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7439896 | Iron | 785 | J | ug/L | 200 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7439921 | Lead | 7.6 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7439954 | Magnesium | 55800 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440020 | Nickel | 2.7 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440097 | Potassium | 7610 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7782492 | Selenium | 23.4 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:21:14 | 7440235 | Sodium | 280000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440622 | Vanadium | 27.5 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T76 | C1868-01 | W | Field_Sample | 05/01/2011 | 13:05:18 | 7440666 | Zinc | 103 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-196 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440382 | Arsenic | 6.8 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440393 | Barium | 22.1 | | ug/L | 10.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:29:12 | 7440702 | Calcium | 282000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440473 | Chromium | 27.6 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440508 | Copper | 2.0 | UJ | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7439896 | Iron | 762 | J | ug/L | 200 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7439954 | Magnesium | 56800 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440020 | Nickel | 2.7 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440097 | Potassium | 7630 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7782492 | Selenium | 21.6 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:29:12 | 7440235 | Sodium | 274000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440622 | Vanadium | 29.6 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T79 | C1868-02 | W | Field_Sample | 05/01/2011 | 13:13:16 | 7440666 | Zinc | 5.9 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-194 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440382 | Arsenic | 9.0 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440393 | Barium | 28.4 | | ug/L | 10.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 14:32:40 | 7440702 | Calcium | 202000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440473 | Chromium | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440508 | Copper | 3.1 | J+ | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7439896 | Iron | 582 | J | ug/L | 200 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7439954 | Magnesium | 66700 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440020 | Nickel | 2.9 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440097 | Potassium | 5700 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7782492 | Selenium | 24.0 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 14:32:40 | 7440235 | Sodium | 369000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440622 | Vanadium | 42.1 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |
| 41214 | MF3T76 | MF3T92 | C1868-03 | W | Field_Sample | 05/01/2011 | 13:52:59 | 7440666 | Zinc | 3.0 | J+ | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-263 |

| CASE | SDG | EPASAMP | LABID | MATRIX | QCCODE | ANDATE | ANTIME | CASNUM | ANALYTE | CONC | VALDQAL | UNITS | ADJCRQL | SMPDATE | PRPDATE | LRDATE | LEVEL | PERSOLD | SMPWTVL | FINVOL | METHOD | STATLOC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440382 | Arsenic | 9.0 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440393 | Barium | 20.5 | | ug/L | 10.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:51:24 | 7440702 | Calcium | 286000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440473 | Chromium | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440508 | Copper | 2.0 | UJ | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7439896 | Iron | 843 | J | ug/L | 200 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7439954 | Magnesium | 56000 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440020 | Nickel | 2.8 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440097 | Potassium | 6560 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7782492 | Selenium | 26.3 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:51:24 | 7440235 | Sodium | 323000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440622 | Vanadium | 32.0 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T97 | C1868-13 | W | Field_Sample | 05/01/2011 | 17:11:39 | 7440666 | Zinc | 2.9 | J+ | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-184 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440382 | Arsenic | 9.3 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440393 | Barium | 24.9 | | ug/L | 10.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:59:29 | 7440702 | Calcium | 257000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440473 | Chromium | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440508 | Copper | 3.1 | J+ | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7439896 | Iron | 695 | J | ug/L | 200 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7439954 | Magnesium | 58800 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440020 | Nickel | 2.7 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440097 | Potassium | 6260 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7782492 | Selenium | 24.7 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:59:29 | 7440235 | Sodium | 331000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440622 | Vanadium | 35.5 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3T99 | C1868-14 | W | Field_Sample | 05/01/2011 | 17:19:35 | 7440666 | Zinc | 15.0 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-504 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440382 | Arsenic | 4.7 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440393 | Barium | 34.8 | | ug/L | 10.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 18:07:57 | 7440702 | Calcium | 148000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440473 | Chromium | 5.3 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440508 | Copper | 7.2 | J | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7439896 | Iron | 494 | J | ug/L | 200 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7439954 | Magnesium | 45300 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440020 | Nickel | 1.5 | UC | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440097 | Potassium | 6630 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7782492 | Selenium | 12.8 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 18:07:57 | 7440235 | Sodium | 244000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440622 | Vanadium | 32.0 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |
| 41214 | MF3T76 | MF3TA0 | C1868-15 | W | Field_Sample | 05/01/2011 | 17:27:31 | 7440666 | Zinc | 5.6 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-010 |

| CASE | SDG | EPASAMP | LABID | MATRIX | QCCODE | ANDATE | ANTIME | CASNUM | ANALYTE | CONC | VALDQAL | UNITS | ADJCRQL | SMPDATE | PRPDATE | LRDATE | LEVEL | PERSOLD | SMPWTVL | FINVOL | METHOD | STATLOC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440382 | Arsenic | 14.4 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440393 | Barium | 36.2 | | ug/L | 10.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 18:15:57 | 7440702 | Calcium | 134000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440473 | Chromium | 2.6 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440508 | Copper | 16.0 | J | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7439896 | Iron | 435 | J | ug/L | 200 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7439954 | Magnesium | 47800 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440020 | Nickel | 1.7 | J+ | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440097 | Potassium | 5210 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7782492 | Selenium | 11.8 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 18:15:57 | 7440235 | Sodium | 249000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440622 | Vanadium | 88.6 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA1 | C1868-16 | W | Field_Sample | 05/01/2011 | 17:35:28 | 7440666 | Zinc | 11.7 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-039 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440382 | Arsenic | 40.2 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440393 | Barium | 32.3 | | ug/L | 10.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 19:11:35 | 7440702 | Calcium | 148000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440473 | Chromium | 2.5 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440508 | Copper | 321 | J | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7439896 | Iron | 516 | J | ug/L | 200 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7439921 | Lead | 19.6 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7439954 | Magnesium | 39600 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440020 | Nickel | 3.1 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440097 | Potassium | 7060 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7782492 | Selenium | 1.3 | LJ | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 19:11:35 | 7440235 | Sodium | 243000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440622 | Vanadium | 5.0 | U | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA3 | C1868-17 | W | Field_Sample | 05/01/2011 | 18:39:46 | 7440666 | Zinc | 6.2 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-153 |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440382 | Arsenic | 8.9 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440393 | Barium | 34.7 | | ug/L | 10.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:48:36 | 7440702 | Calcium | 158000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440473 | Chromium | 26.1 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440484 | Cobalt | 1.1 | UC | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440508 | Copper | 24.4 | J | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7439896 | Iron | 480 | J | ug/L | 200 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7439921 | Lead | 1.6 | UC | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7439954 | Magnesium | 31400 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440020 | Nickel | 2.5 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440097 | Potassium | 5210 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7782492 | Selenium | 11.2 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:48:36 | 7440235 | Sodium | 251000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440622 | Vanadium | 39.6 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |
| 41214 | MF3T76 | MF3TA5 | C1868-04 | W | Field_Sample | 05/01/2011 | 14:08:50 | 7440666 | Zinc | 4.8 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-293-MS/MD |

| CASE | SDG | EPASAMP | LABID | MATRIX | QCCODE | ANDATE | ANTIME | CASNUM | ANALYTE | CONC | VALDQAL | UNITS | ADJCRQL | SMPDATE | PRPDATE | LRDATE | LEVEL | PERSOLD | SMPWTVL | FINVOL | METHOD | STATLOC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440382 | Arsenic | 8.5 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440393 | Barium | 33.5 | | ug/L | 10.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 16:08:05 | 7440702 | Calcium | 141000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440473 | Chromium | 28.4 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440508 | Copper | 11.0 | J | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7439896 | Iron | 412 | J | ug/L | 200 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7439921 | Lead | 1.2 | UC | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7439954 | Magnesium | 30500 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440020 | Nickel | 1.7 | J+ | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440097 | Potassium | 5120 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7782492 | Selenium | 11.3 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 16:08:05 | 7440235 | Sodium | 236000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440622 | Vanadium | 40.8 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TA6 | C1868-07 | W | Field_Sample | 05/01/2011 | 15:28:22 | 7440666 | Zinc | 17.3 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-057 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440382 | Arsenic | 11.7 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440393 | Barium | 45.1 | | ug/L | 10.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 16:16:02 | 7440702 | Calcium | 219000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440473 | Chromium | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440508 | Copper | 2.0 | UJ | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7439896 | Iron | 548 | J | ug/L | 200 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7439954 | Magnesium | 65200 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440020 | Nickel | 2.6 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440097 | Potassium | 9840 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7782492 | Selenium | 11.1 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 16:16:02 | 7440235 | Sodium | 142000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440622 | Vanadium | 64.5 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TC4 | C1868-08 | W | Field_Sample | 05/01/2011 | 15:36:19 | 7440666 | Zinc | 43.1 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-372 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440382 | Arsenic | 8.3 | | ug/L | 1.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440393 | Barium | 24.0 | | ug/L | 10.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 16:31:58 | 7440702 | Calcium | 458000 | | ug/L | 12500 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440473 | Chromium | 6.4 | | ug/L | 2.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440508 | Copper | 9.2 | J | ug/L | 2.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7439896 | Iron | 1340 | J | ug/L | 200 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7439954 | Magnesium | 98400 | | ug/L | 500 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440020 | Nickel | 4.1 | | ug/L | 1.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440097 | Potassium | 8390 | | ug/L | 500 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7782492 | Selenium | 34.1 | | ug/L | 5.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 16:31:58 | 7440235 | Sodium | 528000 | | ug/L | 12500 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440622 | Vanadium | 31.3 | | ug/L | 5.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |
| 41214 | MF3T76 | MF3TD1 | C1868-10 | W | Field_Sample | 05/01/2011 | 15:52:12 | 7440666 | Zinc | 7.1 | | ug/L | 2.0 | 04/12/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-292 |

| CASE | SDG | EPASAMP | LABID | MATRIX | QCCODE | ANDATE | ANTIME | CASNUM | ANALYTE | CONC | VALDQAL | UNITS | ADJCRQL | SMPDATE | PRPDATE | LRDATE | LEVEL | PERSOLD | SMPWTVL | FINVOL | METHOD | STATLOC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440382 | Arsenic | 12.1 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440393 | Barium | 20.9 | | ug/L | 10.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 16:24:00 | 7440702 | Calcium | 228000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440473 | Chromium | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440484 | Cobalt | 1.1 | UC | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440508 | Copper | 22.2 | J | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7439896 | Iron | 604 | J | ug/L | 200 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7439954 | Magnesium | 70600 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440020 | Nickel | 4.1 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440097 | Potassium | 3120 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7782492 | Selenium | 22.4 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 16:24:00 | 7440235 | Sodium | 325000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440622 | Vanadium | 47.1 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD2 | C1868-09 | W | Field_Sample | 05/01/2011 | 15:44:15 | 7440666 | Zinc | 8.6 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-266 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440382 | Arsenic | 9.8 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440393 | Barium | 55.4 | | ug/L | 10.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:39:56 | 7440702 | Calcium | 157000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440473 | Chromium | 2.2 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440508 | Copper | 9.0 | J | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7439896 | Iron | 513 | J | ug/L | 200 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7439954 | Magnesium | 41200 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440020 | Nickel | 1.8 | J+ | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440097 | Potassium | 6130 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7782492 | Selenium | 17.7 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:39:56 | 7440235 | Sodium | 264000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440622 | Vanadium | 46.2 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TD8 | C1868-11 | W | Field_Sample | 05/01/2011 | 16:00:08 | 7440666 | Zinc | 6.9 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-033 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440382 | Arsenic | 6.9 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440393 | Barium | 24.9 | | ug/L | 10.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:43:26 | 7440702 | Calcium | 274000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440473 | Chromium | 2.0 | U | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440508 | Copper | 48.9 | J | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7439896 | Iron | 845 | J | ug/L | 200 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7439921 | Lead | 5.6 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7439954 | Magnesium | 56300 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440020 | Nickel | 2.6 | | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440097 | Potassium | 7140 | | ug/L | 500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7782492 | Selenium | 23.2 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:43:26 | 7440235 | Sodium | 191000 | | ug/L | 12500 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440622 | Vanadium | 26.0 | | ug/L | 5.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |
| 41214 | MF3T76 | MF3TE0 | C1868-12 | W | Field_Sample | 05/01/2011 | 17:03:44 | 7440666 | Zinc | 34.1 | | ug/L | 2.0 | 04/13/2011 | 04/15/2011 | 04/14/2011 | Low | 0.0 | 50 | 50 | MS | GW-714 |

| CASE | SDG | EPASAMP | LABID | MATRIX | QCCODE | ANDATE | ANTIME | CASNUM | ANALYTE | CONC | VALDQAL | UNITS | ADJCRQL | SMPDATE | PRPDATE | LRDATE | LEVEL | PERSOLD | SMPWTVL | FINVOL | METHOD | STATLOC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7429905 | Aluminum | 30.6 | UC | ug/L | 20.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440382 | Arsenic | 7.5 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440393 | Barium | 44.1 | | ug/L | 10.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 19:19:32 | 7440702 | Calcium | 398000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440473 | Chromium | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440508 | Copper | 121 | J | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7439896 | Iron | 1230 | J | ug/L | 200 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7439921 | Lead | 7.3 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7439954 | Magnesium | 82500 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440020 | Nickel | 3.6 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440097 | Potassium | 8150 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7782492 | Selenium | 38.6 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 19:19:32 | 7440235 | Sodium | 416000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440622 | Vanadium | 26.8 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE6 | C1868-18 | W | Field_Sample | 05/01/2011 | 18:47:43 | 7440666 | Zinc | 61.4 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-501 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440382 | Arsenic | 13.2 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440393 | Barium | 26.8 | | ug/L | 10.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 19:27:31 | 7440702 | Calcium | 165000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440473 | Chromium | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440508 | Copper | 4.4 | J | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7439896 | Iron | 556 | J | ug/L | 200 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7439921 | Lead | 1.8 | UC | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7439954 | Magnesium | 50400 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7439965 | Manganese | 1.2 | UC | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440020 | Nickel | 2.1 | J+ | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440097 | Potassium | 4640 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7782492 | Selenium | 20.5 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 19:27:31 | 7440235 | Sodium | 316000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440622 | Vanadium | 62.1 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TE9 | C1868-19 | W | Field_Sample | 05/01/2011 | 18:55:40 | 7440666 | Zinc | 44.9 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-721 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7429905 | Aluminum | 20.0 | U | ug/L | 20.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440360 | Antimony | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440382 | Arsenic | 6.6 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440393 | Barium | 48.6 | | ug/L | 10.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440417 | Beryllium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440439 | Cadmium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:35:30 | 7440702 | Calcium | 314000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440473 | Chromium | 2.0 | U | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440484 | Cobalt | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440508 | Copper | 2.2 | UCJ | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7439896 | Iron | 994 | J | ug/L | 200 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7439921 | Lead | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7439954 | Magnesium | 56300 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7439965 | Manganese | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440020 | Nickel | 2.7 | | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440097 | Potassium | 7320 | | ug/L | 500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7782492 | Selenium | 22.7 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440224 | Silver | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:35:30 | 7440235 | Sodium | 214000 | | ug/L | 12500 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440280 | Thallium | 1.0 | U | ug/L | 1.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440622 | Vanadium | 26.3 | | ug/L | 5.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |
| 41214 | MF3T76 | MF3TF0 | C1868-20 | W | Field_Sample | 05/01/2011 | 19:03:37 | 7440666 | Zinc | 6.6 | | ug/L | 2.0 | 04/14/2011 | 04/20/2011 | 04/15/2011 | Low | 0.0 | 50 | 50 | MS | GW-722 |

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME **CHEMTECH CONSULTING GROUP, INC.**
CITY/STATE **MOUNTAINSIDE, NJ**

CASE NO. **41214** SDG NO. **MF3T76**
SDG NOs TO FOLLOW _____ _____ _____
NRAS NO. _____

CONTRACT NO. **EPW09038**
SOW NO. **ISM01.2**

All documents delivered in the Complete SDG File must be original documents where possible. (Reference – Exhibit B Section 2.6)

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| 3. Sample Log-In Sheet (DC-1) | 5 | 7 | √ | |
| 4. Traffic Report/Chain of Custody Record(s) | 8 | 11 | √ | |
| 5. Cover Page | 12 | 13 | √ | |
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| 33. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list) | | | | |
| ***Internal Lab COC*** | 566 | 567 | √ | |
| | | | | |
| 34. Internal Original Sample Prep & Analysis Records (describe or list) | | | | |
| Prep Records | | | | |
| Analysis Records | | | | |
| | | | | |
| Description | | | | |
| 35. Other Records (describe or list) | | | | |
| Communications Log | | | | |
| | | | | |

36. Comments: _____

Completed By:
(CLP Lab) Mildred V Reyes (Signature) **Mildred V. Reyes, Document Control Officer** (Print Name & Title) 5/4/11 (Date)

Audited By:
(USEPA) _____ (Signature) _____ (Print Name & Title) _____ (Date)

FORM DC-2-2 ISM01.2

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

# SDG NARRATIVE

**USEPA**
**SDG # MF3T76**
**CASE # 41214**
**CONTRACT # EPW09038**
**LAB NAME: CHEMTECH CONSULTING GROUP**
**LAB CODE: CHEM**
**CHEMTECH PROJECT # C1868**

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

18 Water Samples were delivered to the laboratory intact on 04/14/11 & 04/15/11.

**B. Parameters**

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

**C. Cooler Temp**

Indicator Bottle: **Presence**/Absence
Cooler: 3°C

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

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

**F. Analytical Techniques:**

All analyses were based on CLP Methodology by method ISMO1.2

**G. Calculation:**

***Calculation example for ICP-MS Water Sample***:

Results reported in Ug/L = Results in ppb X Dilution Factor (if any) X Fraction of Sample Amount Taken in ICP Water- Prep

Fraction of Sample Amount Taken in ICP-MS Water- Prep = 100/100 or 50/50 =1

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

(If 100 ml Initial Volume taken and Final Volume was made to 100 ml or 50 ml Initial Volume and Final Volume made to 50 ml in ICP-MS Water Digestion procedure)

**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 did meet requirements. Duplicate sample did meet requirements. Serial Dilution did meet requirements except for Copper & Iron.

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 Mildred V Reyes  Name: Mildred V. Reyes

Date 5/4/11  Title: Document Control Officer

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP



| | |
|---|---|
| Received By (Print Name) Ken Rivera | Log-in Date **4/14/2011** |
| Received By (Signature) Ken Rivera | |
| Case Number 41214 | Sample Delivery Group No. MF3T76 / NRAS Number N/A |

Remarks:

1. Custody Seal(s) — Present/Absent* — Intact/Broken
2. Custody Seal Nos. — N/A
3. Traffic Reports/Chain Of Custody Records or Packing Lists — Present/Absent*
4. Airbill — Airbill/Sticker Present/Absent*
5. Airbill No. — 7946 3300 1409
6. Sample Tags Sample Tag # — Present/Absent* — Listed/Not Listed On TR/ Chain-of-Custody
7. Sample Condition — Intact/Broken*/Leaking
8. Cooler Temperature Indicator Bottle — Present/Absent*
9. Cooler Temperature — 3°C
10. Does information on custody records, traffic reports, and sample tags agree? — Yes/No*
11. Date Received at Lab — 4/14/11
12. Time Received — 9:15

Corresponding

| EPA Sample # | Aqueous Sample pH | Sample Tag # | igned Lab # | Remarks: Condition of Sample shipment, etc. |
|---|---|---|---|---|
| MF3T76 | <2 | 6-455738 | C1868-01 | intact |
| MF3T79 | | 6-455741 | C1868-02 | |
| MF3T92 | | 6-455754 | C1868-03 | |
| MF3TA5 | | 6-455 768 | C1868-04 | |
| MF3TA5D | | 6-455 769 | C1868-05 | |
| MF3TA5S | | 6-455 769 | C1868-06 | |
| MF3TA6 | | 6-455 770 | C1868-07 | |
| MF3TC4 | | 6-455-789 | C1868-08 | |
| MF3TD2 | | 6-455 797 | C1868-09 | |

Sample Transfer

| | |
|---|---|
| Fraction | Fraction Metals |
| Area # | Area # A61 |
| By | By Ken Rivera |
| On | On 4/14/11 |

* Contact SMO and attach record of resolution

| | |
|---|---|
| Reviewed By Snehal Mehta | Logbook No. |
| Date 4/14/11 | Logbook Page |

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP



| | |
|---|---|
| Received By (Print Name) Ken Rivera | Log-in Date **4/14/2011** |
| Received By (Signature) Ken Rivera | |
| Case Number 41214 | Sample Delivery Group No. MF3T76 / NRAS Number N/A |

Remarks:

1. Custody Seal(s) — Present/Absent* Intact/Broken
2. Custody Seal Nos. — N/A
3. Traffic Reports/Chain Of Custody Records or Packing Lists — Present/Absent*
4. Airbill — Airbill/Sticker Present/Absent*
5. Airbill No. — 7946 3300 1534
6. Sample Tags Sample Tag # — Present/Absent* Listed/Not Listed On TR/ Chain-of-Custody
7. Sample Condition — Intact/Broken*/Leaking
8. Cooler Temperature Indicator Bottle — Present/Absent*
9. Cooler Temperature — 3°C
10. Does information on custody records, traffic reports, and sample tags agree? — Yes/No*
11. Date Received at Lab — 4/14/11
12. Time Received — 9:15

Corresponding

| EPA Sample # | Aqueous Sample pH | Sample Tag # | igned Lab # | Remarks: Condition of Sample shipment, etc. |
|---|---|---|---|---|
| MF3TD1 | <2 | 6-455796 | C1868-10 | intact |
| MF3TD8 | | 6-455803 | C1868-11 | |
| MF3TE0 | | 6-455805 | C1868-12 | |

Sample Transfer

| | |
|---|---|
| Fraction 7 | Fraction Metals |
| Area # | Area # A61 |
| By | By Ken Rivera |
| On | On 4/14/11 |

* Contact SMO and attach record of resolution

| | |
|---|---|
| Reviewed By Snehal Mehta | Logbook No. |
| Date 4/14/11 | Logbook Page |

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP



| | |
|---|---|
| Received By (Print Name) Ken Rivera | Log-in Date **4/15/2011** |
| Received By (Signature) Ken Rivera | |
| Case Number 41214 | Sample Delivery Group No. MF3T76 / NRAS Number N/A |

Remarks:

1. Custody Seal(s) — Present/Absent* Intact/Broken
2. Custody Seal Nos. — N/A
3. Traffic Reports/Chain Of Custody Records or Packing Lists — Present/Absent*
4. Airbill — Airbill/Sticker Present/Absent*
5. Airbill No. — 7969 7136 3153
6. Sample Tags Sample Tag # — Present/Absent* Listed/Not Listed On TR/ Chain-of-Custody
7. Sample Condition — Intact/Broken*/Leaking
8. Cooler Temperature Indicator Bottle — Present/Absent*
9. Cooler Temperature — 3°C
10. Does information on custody records, traffic reports, and sample tags agree? — Yes/No*
11. Date Received at Lab — 4/15/11
12. Time Received — 9:40

Corresponding

| EPA Sample # | Aqueous Sample pH | Sample Tag # | Assigned Lab # | Remarks: Condition of Sample shipment, etc. |
|---|---|---|---|---|
| MF3T97 | <2 | 6-455760 | C1868-13 | intact |
| MF3T99 | | 6-455 762 | C1868-14 | |
| MF3TA0 | | 6-455 763 | C1868-15 | |
| MF3TA1 | | 6-455 764 | C1868-16 | |
| MF3TA3 | | 6-455 766 | C1868-17 | |
| MF3TE6 | | 6-455 811 | C1868-18 | |
| MF3TE9 | | 6-455 814 | C1868-19 | |
| MF3TF0 | | 6-455 815 | C1868-20 | |

Sample Transfer

| | |
|---|---|
| Fraction | Fraction Metals |
| Area # | Area # A61 |
| By | By Ken Rivera |
| On | On 4/15/11 |

* Contact SMO and attach record of resolution

| | |
|---|---|
| Reviewed By [signature] | Logbook No. |
| Date 4/15/11 | Logbook Page |

# Sample Delivery Group (SDG) Cover Sheet

| | | | | | |
|---|---|---|---|---|---|
| SDG Number | MF3T76 | Case Number | 41214 | Contract Number | EPW09038 |
| Lab Code | CHEM | SDG Turnaround | 21 days | Delivery CLIN(s) | – |

| | | | |
|---|---|---|---|
| First Sample Received in SDG | MF3T76 | Last Sample Received in SDG | MF3TF0 |
| First Sample Receipt Date | 4/14/2011 9:15:00 AM | Last Sample Receipt Date | 4/15/2011 9:40:00 AM |

USEPA Sample Numbers in SDG (Listed in Numerical Order)

| CLP Sample ID | Sample Type | Requested Analytical CLIN(s)/SubCLIN(s) | Solicitation Number | MA Number(s) |
|---|---|---|---|---|
| MF3T76 | Field Sample | 0010C | NONE | NONE |
| MF3T79 | Field Sample | 0010C | | |
| MF3T92 | Field Sample | 0010C | | |
| MF3TA5 | Field Sample | 0010C | | |
| MF3TA5D | Field Sample | 0010C | | |
| MF3TA5S | Field Sample | 0010C | | |
| MF3TA6 | Field Sample | 0010C | | |
| MF3TC4 | Field Sample | 0010C | | |
| MF3TD2 | Field Sample | 0010C | | |
| MF3TD1 | Field Sample | 0010C | | |
| MF3TD8 | Field Sample | 0010C | | |
| MF3TE0 | Field Sample | 0010C | | |
| MF3T97 | Field Sample | 0010C | | |
| MF3T99 | Field Sample | 0010C | | |
| MF3TA0 | Field Sample | 0010C | | |
| MF3TA1 | Field Sample | 0010C | | |
| MF3TA3 | Field Sample | 0010C | | |
| MF3TE6 | Field Sample | 0010C | | |
| MF3TE9 | Field Sample | 0010C | | |
| MF3TF0 | Field Sample | 0010C | | |

***Note:*** *There are a maximum of 20* ***field*** *samples (excluding PE samples) in an SDG. Attach TR/COC Records to this form in alphanumeric order (the order listed above on this form).*

Signature Sneha Mehta Date 4/15/11

More samples added on 4/15/11

8

# USEPA Contract Laboratory Program
# Inorganic Traffic Report & Chain of Custody Record

| | |
|---|---|
| Case No: | 41214 |
| DAS No: | |
| SDG No: | MF3T76 |

L

| | |
|---|---|
| Date Shipped: | 4/13/2011 |
| Carrier Name: | FedEx |
| Airbill: | 7946 3300 1409 |
| Shipped to: | ChemTech Consulting Group (CHEMED)<br>284 Sheffield Street<br>Mountainside NJ 07092<br>(908) 789-8900 |

**Chain of Custody Record**

Sampler Signature:

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| 1 [illegible] | 4-13-2011 1700 | [illegible] | 4/14/11 9:15 |
| 2 | | | |
| 3 | | | |
| 4 | | | |

**For Lab Use Only**

| | |
|---|---|
| Lab Contract No: | EPW09038 |
| Unit Price: | |
| Transfer To: | |
| Lab Contract No: | |
| Unit Price: | |

| INORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | ORGANIC SAMPLE No. | FOR LAB USE ONLY Sample Condition On Receipt |
|---|---|---|---|---|---|---|---|---|---|
| MF3T76 | Ground Water/ JAVIER MANZANO | L/G | TM CLP (21) | 6-455738 (HNO3) (1) | GW-196 | S: 4/13/2011 | 9:07 | | |
| MF3T79 | Ground Water/ JAVIER MANZANO | L/G | TM CLP (21) | 6-455741 (HNO3) (1) | GW-194 | S: 4/13/2011 | 9:43 | | |
| MF3T92 | Ground Water/ JACK SCHWERTZ | L/G | TM CLP (21) | 6-455754 (HNO3) (1) | GW-263 | S: 4/13/2011 | 8:33 | | |
| MF3TA5 | Ground Water/ DAVID WERTH | L/G | TM CLP (21) | 6-455768 (HNO3), 6-455769 (HNO3) (2) | GW-293-MS/MD | S: 4/13/2011 | 8:58 | | |
| MF3TA6 | Ground Water/ DAVID WERTH | L/G | TM CLP (21) | 6-455770 (HNO3) (1) | GW-057 | S: 4/13/2011 | 9:34 | | |
| MF3TC4 | Ground Water/ JAVIER MANZANO | L/G | TM CLP (21) | 6-455789 (HNO3) (1) | GW-372 | S: 4/13/2011 | 8:31 | | |
| MF3TD2 | Ground Water/ DAVID WERTH | L/G | TM CLP (21) | 6-455797 (HNO3) (1) | GW-266 | S: 4/13/2011 | 8:13 | | |

| | | | | |
|---|---|---|---|---|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: MF3TA5 | Additional Sampler Signature(s): [illegible] | Cooler Temperature Upon Receipt: 3°C | Chain of Custody Seal Number: N/A |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | | Custody Seal Intact? YES / Shipment Iced? YES |

TM CLP = CLP TM ISM01.2 ICP-MS

**TR Number: 6-271667327-041311-0004**

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

# USEPA Contract Laboratory Program
# Inorganic Traffic Report & Chain of Custody Record

| | |
|---|---|
| Case No: | 41214 |
| DAS No: | |
| SDG No: | MF3T76 |

L

| | |
|---|---|
| Date Shipped: | 4/13/2011 |
| Carrier Name: | FedEx |
| Airbill: | 7946 3300 1534 |
| Shipped to: | ChemTech Consulting Group (CHEMED) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900 |

**Chain of Custody Record**

Sampler Signature:

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| 1 | 4-13 2011 1700 | Ken Rivera | 4/14/11 9:15 |
| 2 | | | |
| 3 | | | |
| 4 | | | |

**For Lab Use Only**

| | |
|---|---|
| Lab Contract No: | EPW09038 |
| Unit Price: | |
| Transfer To: | |
| Lab Contract No: | |
| Unit Price: | |

| INORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | ORGANIC SAMPLE No. | FOR LAB USE ONLY Sample Condition On Receipt |
|---|---|---|---|---|---|---|---|---|
| MF3T78 | Ground Water/ JAVIER MANZANO | L/G | TM CLP (21) | 6-455740 (HNO3) (1) | GW-192 | S: 4/13/2011 10:08 | | |
| MF3T93 | Ground Water/ JACK SCHWERTZ | L/G | TM CLP (21) | 6-455755 (HNO3), 6-455756 (HNO3) (2) | GW-013-MS/MD | S: 4/13/2011 9:34 | | |
| MF3T94 | Ground Water/ JACK SCHWERTZ | L/G | TM CLP (21) | 6-455757 (HNO3) (1) | GW-129 | S: 4/13/2011 11:33 | | |
| MF3TB0 | Ground Water/ DAVID WERTH | L/G | TM CLP (21) | 6-455774 (HNO3) (1) | GW-179 | S: 4/12/2011 17:37 | | |
| MF3TD1 | Ground Water/ DAVID WERTH | L/G | TM CLP (21) | 6-455796 (HNO3) (1) | GW-292 | S: 4/12/2011 18:41 | | |
| MF3TD8 | Ground Water/ JACK SCHWERTZ | L/G | TM CLP (21) | 6-455803 (HNO3) (1) | GW-033 | S: 4/13/2011 10:49 | | |
| MF3TE0 | Ground Water/ DAVID WERTH | L/G | TM CLP (21) | 6-455805 (HNO3) (1) | GW-714 | S: 4/13/2011 10:51 | | |

(Except: MF3TD1, MF3TD8 & MF3TE0 all samples are in SDG# MF3T55)

| Shipment for Case Complete?N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: | Chain of Custody Seal Number: |
|---|---|---|---|---|
| | MF3T93 | | 3°C | N/A |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Custody Seal Intact? YES | Shipment Iced? YES |

TM CLP = CLP TM ISM01.2 ICP-MS

**TR Number: 6-271667327-041311-0005**

**LABORATORY COPY**

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

# USEPA Contract Laboratory Program
# Inorganic Traffic Report & Chain of Custody Record

| | |
|---|---|
| Case No: | 41214 |
| DAS No: | |
| SDG No: | MF3T76 |

L

| | |
|---|---|
| Date Shipped: | 4/14/2011 |
| Carrier Name: | FedEx |
| Airbill: | 7969 7136 3153 |
| Shipped to: | ChemTech Consulting Group (CHEMED)<br>284 Sheffield Street<br>Mountainside NJ 07092<br>(908) 789-8900 |

**Chain of Custody Record**

Sampler Signature: Jack Schwertz

| | Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|---|
| 1 | [illegible] | 4-14-2011 1500 | Ken Rivera | 4/15/11 9:40 |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |

**For Lab Use Only**

| | |
|---|---|
| Lab Contract No: | EPW09038 |
| Unit Price: | |
| Transfer To: | |
| Lab Contract No: | |
| Unit Price: | |

| INORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | ORGANIC SAMPLE No. | FOR LAB USE ONLY Sample Condition On Receipt |
|---|---|---|---|---|---|---|---|---|
| MF3T97 | Ground Water/ JAVIER MANZANO | L/G | TM CLP (21) | 6-455760 (HNO3) (1) | GW-184 | S: 4/14/2011 8:38 | | |
| MF3T99 | Ground Water/ JAVIER MANZANO | L/G | TM CLP (21) | 6-455762 (HNO3) (1) | GW-504 | S: 4/14/2011 9:23 | | |
| MF3TA0 | Ground Water/ JAVIER MANZANO | L/G | TM CLP (21) | 6-455763 (HNO3) (1) | GW-010 | S: 4/14/2011 11:09 | | |
| MF3TA1 | Ground Water/ JAVIER MANZANO | L/G | TM CLP (21) | 6-455764 (HNO3) (1) | GW-039 | S: 4/14/2011 10:47 | | |
| MF3TA3 | Ground Water/ JAVIER MANZANO | L/G | TM CLP (21) | 6-455766 (HNO3) (1) | GW-153 | S: 4/14/2011 9:57 | | |
| MF3TE6 | Ground Water/ JACK SCHWERTZ | L/G | TM CLP (21) | 6-455811 (HNO3) (1) | GW-501 | S: 4/14/2011 10:42 | | |
| MF3TE9 | Ground Water/ JACK SCHWERTZ | L/G | TM CLP (21) | 6-455814 (HNO3) (1) | GW-721 | S: 4/14/2011 9:22 | | |
| MF3TF0 | Ground Water/ JACK SCHWERTZ | L/G | TM CLP (21) | 6-455815 (HNO3) (1) | GW-722 | S: 4/14/2011 10:00 | | |

| | | | | |
|---|---|---|---|---|
| Shipment for Case Complete?Y | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): [illegible] | Cooler Temperature Upon Receipt: 3°C | Chain of Custody Seal Number: N/A |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | | Custody Seal Intact? Yes / Shipment Iced? Yes |

TM CLP = CLP TM ISM01.2 ICP-MS

**TR Number: 6-271667327-041411-0005**

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

# Metals

## COVER PAGE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No: 41214 Mod. Ref. No.: SDG No: MF3T76

SOW No.: ISM01.2

| EPA Sample No. | Lab Sample ID |
|---|---|
| MF3T76 | C1868-01 |
| MF3T79 | C1868-02 |
| MF3T92 | C1868-03 |
| MF3T97 | C1868-13 |
| MF3T99 | C1868-14 |
| MF3TA0 | C1868-15 |
| MF3TA1 | C1868-16 |
| MF3TA3 | C1868-17 |
| MF3TA5 | C1868-04 |
| MF3TA5D | C1868-05 |
| MF3TA5S | C1868-06 |
| MF3TA6 | C1868-07 |
| MF3TC4 | C1868-08 |
| MF3TD1 | C1868-10 |
| MF3TD2 | C1868-09 |
| MF3TD8 | C1868-11 |
| MF3TE0 | C1868-12 |

| | | ICP-AES | ICP-MS |
|---|---|---|---|
| Were ICP-AES and ICP-MS interelement corrections applied? | (Yes/No) | NO | YES |
| Were ICP-AES and ICP-MS background corrections applied? | (Yes/No) | NO | YES |
| If yes, were raw data generated before application of background corrections? | (Yes/No) | NO | N/A |

The laboratory did not receive any instructions with this SDG to modify the SOW standard laboratory sample preparation procedures (e.g., subsampling). To aid in the determination of data usability with respect to project decisions, any modifications performed are described below.

Comments:

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 above. Release of the data contained in this hardcopy Data Package 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: Mildred V Reyes Name: MILDRED REYES

Date: 5/4/11 Title: DOCUMENT CONTROL OFFICER

# Metals

## COVER PAGE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No: 41214 Mod. Ref. No.: SDG No: MF3T76

SOW No.: ISM01.2

| EPA Sample No. | Lab Sample ID |
|---|---|
| MF3TE6 | C1868-18 |
| MF3TE9 | C1868-19 |
| MF3TF0 | C1868-20 |

| | | ICP-AES | ICP-MS |
|---|---|---|---|
| Were ICP-AES and ICP-MS interelement corrections applied? | (Yes/No) | NO | YES |
| Were ICP-AES and ICP-MS background corrections applied? | (Yes/No) | NO | YES |
| If yes, were raw data generated before application of background corrections? | (Yes/No) | NO | N/A |

The laboratory did not receive any instructions with this SDG to modify the SOW standard laboratory sample preparation procedures (e.g., subsampling). To aid in the determination of data usability with respect to project decisions, any modifications performed are described below.

Comments:

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 above. Release of the data contained in this hardcopy Data Package 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: Mildred U Reyes Name: MILDRED REYES

Date: 5/4/11 Title: DOCUMENT CONTROL OFFICER

# Metals

## 1A-IN

## INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3T76

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Matrix: WATER  Lab Sample ID: C1868-01

% Solids:  Date Received: 04/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 20.0 | U | | MS |
| 7440-36-0 | Antimony | 2.0 | U | | MS |
| 7440-38-2 | Arsenic | 7.0 | | | MS |
| 7440-39-3 | Barium | 38.7 | | | MS |
| 7440-41-7 | Beryllium | 1.0 | U | | MS |
| 7440-43-9 | Cadmium | 1.0 | U | | MS |
| 7440-70-2 | Calcium | 292000 | | D | MS |
| 7440-47-3 | Chromium | 17.0 | | | MS |
| 7440-48-4 | Cobalt | 1.0 | U | | MS |
| 7440-50-8 | Copper | 80.5 | | E | MS |
| 7439-89-6 | Iron | 785 | | E | MS |
| 7439-92-1 | Lead | 7.6 | | | MS |
| 7439-95-4 | Magnesium | 55800 | | | MS |
| 7439-96-5 | Manganese | 0.33 | J | | MS |
| 7440-02-0 | Nickel | 2.7 | | | MS |
| 7440-09-7 | Potassium | 7610 | | | MS |
| 7782-49-2 | Selenium | 23.4 | | | MS |
| 7440-22-4 | Silver | 1.0 | U | | MS |
| 7440-23-5 | Sodium | 280000 | | D | MS |
| 7440-28-0 | Thallium | 1.0 | U | | MS |
| 7440-62-2 | Vanadium | 27.5 | | | MS |
| 7440-66-6 | Zinc | 103 | | | MS |

Color Before: COLORLESS  Clarity Before: CLEAR  Texture:

Color After: COLORLESS  Clarity After: CLEAR  Artifacts:

Comments:

# Metals

## 1A-IN

## INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3T79

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Matrix: WATER  Lab Sample ID: C1868-02

% Solids:  Date Received: 04/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 20.0 | U | | MS |
| 7440-36-0 | Antimony | 2.0 | U | | MS |
| 7440-38-2 | Arsenic | 6.8 | | | MS |
| 7440-39-3 | Barium | 22.1 | | | MS |
| 7440-41-7 | Beryllium | 1.0 | U | | MS |
| 7440-43-9 | Cadmium | 1.0 | U | | MS |
| 7440-70-2 | Calcium | 282000 | | D | MS |
| 7440-47-3 | Chromium | 27.6 | | | MS |
| 7440-48-4 | Cobalt | 1.0 | U | | MS |
| 7440-50-8 | Copper | 1.9 | J | E | MS |
| 7439-89-6 | Iron | 762 | | E | MS |
| 7439-92-1 | Lead | 0.24 | J | | MS |
| 7439-95-4 | Magnesium | 56800 | | | MS |
| 7439-96-5 | Manganese | 1.0 | U | | MS |
| 7440-02-0 | Nickel | 2.7 | | | MS |
| 7440-09-7 | Potassium | 7630 | | | MS |
| 7782-49-2 | Selenium | 21.6 | | | MS |
| 7440-22-4 | Silver | 1.0 | U | | MS |
| 7440-23-5 | Sodium | 274000 | | D | MS |
| 7440-28-0 | Thallium | 1.0 | U | | MS |
| 7440-62-2 | Vanadium | 29.6 | | | MS |
| 7440-66-6 | Zinc | 5.9 | | | MS |

Color Before: COLORLESS  Clarity Before: CLEAR  Texture:

Color After: COLORLESS  Clarity After: CLEAR  Artifacts:

Comments:

# Metals

## 1A-IN

## INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3T92

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Matrix: WATER  Lab Sample ID: C1868-03

% Solids:  Date Received: 04/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 5.1 | J | | MS |
| 7440-36-0 | Antimony | 0.23 | J | | MS |
| 7440-38-2 | Arsenic | 9.0 | | | MS |
| 7440-39-3 | Barium | 28.4 | | | MS |
| 7440-41-7 | Beryllium | 1.0 | U | | MS |
| 7440-43-9 | Cadmium | 1.0 | U | | MS |
| 7440-70-2 | Calcium | 202000 | | D | MS |
| 7440-47-3 | Chromium | 0.82 | J | | MS |
| 7440-48-4 | Cobalt | 0.22 | J | | MS |
| 7440-50-8 | Copper | 3.1 | | E | MS |
| 7439-89-6 | Iron | 582 | | E | MS |
| 7439-92-1 | Lead | 0.31 | J | | MS |
| 7439-95-4 | Magnesium | 66700 | | | MS |
| 7439-96-5 | Manganese | 0.33 | J | | MS |
| 7440-02-0 | Nickel | 2.9 | | | MS |
| 7440-09-7 | Potassium | 5700 | | | MS |
| 7782-49-2 | Selenium | 24.0 | | | MS |
| 7440-22-4 | Silver | 0.11 | J | | MS |
| 7440-23-5 | Sodium | 369000 | | D | MS |
| 7440-28-0 | Thallium | 0.16 | J | | MS |
| 7440-62-2 | Vanadium | 42.1 | | | MS |
| 7440-66-6 | Zinc | 3.0 | | | MS |

Color Before: COLORLESS  Clarity Before: CLEAR  Texture:

Color After: COLORLESS  Clarity After: CLEAR  Artifacts:

Comments:

# Metals

## 1A-IN

## INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3T97

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

Matrix: WATER Lab Sample ID: C1868-13

% Solids: Date Received: 04/15/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 1.2 | J | | MS |
| 7440-36-0 | Antimony | 2.0 | U | | MS |
| 7440-38-2 | Arsenic | 9.0 | | | MS |
| 7440-39-3 | Barium | 20.5 | | | MS |
| 7440-41-7 | Beryllium | 1.0 | U | | MS |
| 7440-43-9 | Cadmium | 1.0 | U | | MS |
| 7440-70-2 | Calcium | 286000 | | D | MS |
| 7440-47-3 | Chromium | 0.93 | J | | MS |
| 7440-48-4 | Cobalt | 1.0 | U | | MS |
| 7440-50-8 | Copper | 1.8 | J | E | MS |
| 7439-89-6 | Iron | 843 | | E | MS |
| 7439-92-1 | Lead | 0.17 | J | | MS |
| 7439-95-4 | Magnesium | 56000 | | | MS |
| 7439-96-5 | Manganese | 1.0 | U | | MS |
| 7440-02-0 | Nickel | 2.8 | | | MS |
| 7440-09-7 | Potassium | 6560 | | | MS |
| 7782-49-2 | Selenium | 26.3 | | | MS |
| 7440-22-4 | Silver | 1.0 | U | | MS |
| 7440-23-5 | Sodium | 323000 | | D | MS |
| 7440-28-0 | Thallium | 1.0 | U | | MS |
| 7440-62-2 | Vanadium | 32.0 | | | MS |
| 7440-66-6 | Zinc | 2.9 | | | MS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

# Metals

## 1A-IN

## INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3T99

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Matrix: WATER  Lab Sample ID: C1868-14

% Solids:  Date Received: 04/15/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 20.0 | U | | MS |
| 7440-36-0 | Antimony | 2.0 | U | | MS |
| 7440-38-2 | Arsenic | 9.3 | | | MS |
| 7440-39-3 | Barium | 24.9 | | | MS |
| 7440-41-7 | Beryllium | 1.0 | U | | MS |
| 7440-43-9 | Cadmium | 1.0 | U | | MS |
| 7440-70-2 | Calcium | 257000 | | D | MS |
| 7440-47-3 | Chromium | 1.0 | J | | MS |
| 7440-48-4 | Cobalt | 0.064 | J | | MS |
| 7440-50-8 | Copper | 3.1 | | E | MS |
| 7439-89-6 | Iron | 695 | | E | MS |
| 7439-92-1 | Lead | 0.29 | J | | MS |
| 7439-95-4 | Magnesium | 58800 | | | MS |
| 7439-96-5 | Manganese | 1.0 | U | | MS |
| 7440-02-0 | Nickel | 2.7 | | | MS |
| 7440-09-7 | Potassium | 6260 | | | MS |
| 7782-49-2 | Selenium | 24.7 | | | MS |
| 7440-22-4 | Silver | 1.0 | U | | MS |
| 7440-23-5 | Sodium | 331000 | | D | MS |
| 7440-28-0 | Thallium | 1.0 | U | | MS |
| 7440-62-2 | Vanadium | 35.5 | | | MS |
| 7440-66-6 | Zinc | 15.0 | | | MS |

Color Before: COLORLESS  Clarity Before: CLEAR  Texture:

Color After: COLORLESS  Clarity After: CLEAR  Artifacts:

Comments:

# Metals

## 1A-IN

## INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3TA0

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

Matrix: WATER Lab Sample ID: C1868-15

% Solids: Date Received: 04/15/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 20.0 | U | | MS |
| 7440-36-0 | Antimony | 2.0 | U | | MS |
| 7440-38-2 | Arsenic | 4.7 | | | MS |
| 7440-39-3 | Barium | 34.8 | | | MS |
| 7440-41-7 | Beryllium | 1.0 | U | | MS |
| 7440-43-9 | Cadmium | 1.0 | U | | MS |
| 7440-70-2 | Calcium | 148000 | | D | MS |
| 7440-47-3 | Chromium | 5.3 | | | MS |
| 7440-48-4 | Cobalt | 1.0 | U | | MS |
| 7440-50-8 | Copper | 7.2 | | E | MS |
| 7439-89-6 | Iron | 494 | | E | MS |
| 7439-92-1 | Lead | 0.46 | J | | MS |
| 7439-95-4 | Magnesium | 45300 | | | MS |
| 7439-96-5 | Manganese | 1.0 | U | | MS |
| 7440-02-0 | Nickel | 1.5 | | | MS |
| 7440-09-7 | Potassium | 6630 | | | MS |
| 7782-49-2 | Selenium | 12.8 | | | MS |
| 7440-22-4 | Silver | 1.0 | U | | MS |
| 7440-23-5 | Sodium | 244000 | | D | MS |
| 7440-28-0 | Thallium | 1.0 | U | | MS |
| 7440-62-2 | Vanadium | 32.0 | | | MS |
| 7440-66-6 | Zinc | 5.6 | | | MS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

# Metals

## 1A-IN

## INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3TA1

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Matrix: WATER  Lab Sample ID: C1868-16

% Solids:  Date Received: 04/15/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 1.2 | J | | MS |
| 7440-36-0 | Antimony | 2.0 | U | | MS |
| 7440-38-2 | Arsenic | 14.4 | | | MS |
| 7440-39-3 | Barium | 36.2 | | | MS |
| 7440-41-7 | Beryllium | 1.0 | U | | MS |
| 7440-43-9 | Cadmium | 1.0 | U | | MS |
| 7440-70-2 | Calcium | 134000 | | D | MS |
| 7440-47-3 | Chromium | 2.6 | | | MS |
| 7440-48-4 | Cobalt | 1.0 | U | | MS |
| 7440-50-8 | Copper | 16.0 | | E | MS |
| 7439-89-6 | Iron | 435 | | E | MS |
| 7439-92-1 | Lead | 0.55 | J | | MS |
| 7439-95-4 | Magnesium | 47800 | | | MS |
| 7439-96-5 | Manganese | 0.37 | J | | MS |
| 7440-02-0 | Nickel | 1.7 | | | MS |
| 7440-09-7 | Potassium | 5210 | | | MS |
| 7782-49-2 | Selenium | 11.8 | | | MS |
| 7440-22-4 | Silver | 1.0 | U | | MS |
| 7440-23-5 | Sodium | 249000 | | D | MS |
| 7440-28-0 | Thallium | 1.0 | U | | MS |
| 7440-62-2 | Vanadium | 88.6 | | | MS |
| 7440-66-6 | Zinc | 11.7 | | | MS |

Color Before: COLORLESS  Clarity Before: CLEAR  Texture:

Color After: COLORLESS  Clarity After: CLEAR  Artifacts:

Comments:

# Metals

## 1A-IN

## INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3TA3

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Matrix: WATER  Lab Sample ID: C1868-17

% Solids:  Date Received: 04/15/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 3.3 | J | | MS |
| 7440-36-0 | Antimony | 0.27 | J | | MS |
| 7440-38-2 | Arsenic | 40.2 | | | MS |
| 7440-39-3 | Barium | 32.3 | | | MS |
| 7440-41-7 | Beryllium | 1.0 | U | | MS |
| 7440-43-9 | Cadmium | 0.13 | J | | MS |
| 7440-70-2 | Calcium | 148000 | | D | MS |
| 7440-47-3 | Chromium | 2.5 | | | MS |
| 7440-48-4 | Cobalt | 0.086 | J | | MS |
| 7440-50-8 | Copper | 321 | | E | MS |
| 7439-89-6 | Iron | 516 | | E | MS |
| 7439-92-1 | Lead | 19.6 | | | MS |
| 7439-95-4 | Magnesium | 39600 | | | MS |
| 7439-96-5 | Manganese | 0.49 | J | | MS |
| 7440-02-0 | Nickel | 3.1 | | | MS |
| 7440-09-7 | Potassium | 7060 | | | MS |
| 7782-49-2 | Selenium | 1.3 | J | | MS |
| 7440-22-4 | Silver | 0.087 | J | | MS |
| 7440-23-5 | Sodium | 243000 | | D | MS |
| 7440-28-0 | Thallium | 0.11 | J | | MS |
| 7440-62-2 | Vanadium | 5.0 | U | | MS |
| 7440-66-6 | Zinc | 6.2 | | | MS |

Color Before: COLORLESS  Clarity Before: CLEAR  Texture:

Color After: COLORLESS  Clarity After: CLEAR  Artifacts:

Comments:

# Metals

## 1A-IN

## INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3TA5

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Matrix: WATER  Lab Sample ID: C1868-04

% Solids:  Date Received: 04/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 2.9 | J | | MS |
| 7440-36-0 | Antimony | 0.18 | J | | MS |
| 7440-38-2 | Arsenic | 8.9 | | | MS |
| 7440-39-3 | Barium | 34.7 | | | MS |
| 7440-41-7 | Beryllium | 1.0 | U | | MS |
| 7440-43-9 | Cadmium | 1.0 | U | | MS |
| 7440-70-2 | Calcium | 158000 | | D | MS |
| 7440-47-3 | Chromium | 26.1 | | | MS |
| 7440-48-4 | Cobalt | 1.1 | | | MS |
| 7440-50-8 | Copper | 24.4 | | E | MS |
| 7439-89-6 | Iron | 480 | | E | MS |
| 7439-92-1 | Lead | 1.6 | | | MS |
| 7439-95-4 | Magnesium | 31400 | | | MS |
| 7439-96-5 | Manganese | 0.61 | J | | MS |
| 7440-02-0 | Nickel | 2.5 | | | MS |
| 7440-09-7 | Potassium | 5210 | | | MS |
| 7782-49-2 | Selenium | 11.2 | | | MS |
| 7440-22-4 | Silver | 0.10 | J | | MS |
| 7440-23-5 | Sodium | 251000 | | D | MS |
| 7440-28-0 | Thallium | 0.17 | J | | MS |
| 7440-62-2 | Vanadium | 39.6 | | | MS |
| 7440-66-6 | Zinc | 4.8 | | | MS |

Color Before: COLORLESS  Clarity Before: CLEAR  Texture:

Color After: COLORLESS  Clarity After: CLEAR  Artifacts:

Comments:

# Metals

## 1A-IN

## INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3TA6

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Matrix: WATER  Lab Sample ID: C1868-07

% Solids:  Date Received: 04/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 3.1 | J | | MS |
| 7440-36-0 | Antimony | 0.25 | J | | MS |
| 7440-38-2 | Arsenic | 8.5 | | | MS |
| 7440-39-3 | Barium | 33.5 | | | MS |
| 7440-41-7 | Beryllium | 1.0 | U | | MS |
| 7440-43-9 | Cadmium | 1.0 | U | | MS |
| 7440-70-2 | Calcium | 141000 | | D | MS |
| 7440-47-3 | Chromium | 28.4 | | | MS |
| 7440-48-4 | Cobalt | 0.52 | J | | MS |
| 7440-50-8 | Copper | 11.0 | | E | MS |
| 7439-89-6 | Iron | 412 | | E | MS |
| 7439-92-1 | Lead | 1.2 | | | MS |
| 7439-95-4 | Magnesium | 30500 | | | MS |
| 7439-96-5 | Manganese | 0.50 | J | | MS |
| 7440-02-0 | Nickel | 1.7 | | | MS |
| 7440-09-7 | Potassium | 5120 | | | MS |
| 7782-49-2 | Selenium | 11.3 | | | MS |
| 7440-22-4 | Silver | 0.095 | J | | MS |
| 7440-23-5 | Sodium | 236000 | | D | MS |
| 7440-28-0 | Thallium | 0.14 | J | | MS |
| 7440-62-2 | Vanadium | 40.8 | | | MS |
| 7440-66-6 | Zinc | 17.3 | | | MS |

Color Before: COLORLESS  Clarity Before: CLEAR  Texture:

Color After: COLORLESS  Clarity After: CLEAR  Artifacts:

Comments:

# Metals

## 1A-IN

## INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3TC4

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Matrix: WATER  Lab Sample ID: C1868-08

% Solids:  Date Received: 04/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 2.2 | J | | MS |
| 7440-36-0 | Antimony | 2.0 | U | | MS |
| 7440-38-2 | Arsenic | 11.7 | | | MS |
| 7440-39-3 | Barium | 45.1 | | | MS |
| 7440-41-7 | Beryllium | 1.0 | U | | MS |
| 7440-43-9 | Cadmium | 1.0 | U | | MS |
| 7440-70-2 | Calcium | 219000 | | D | MS |
| 7440-47-3 | Chromium | 0.66 | J | | MS |
| 7440-48-4 | Cobalt | 0.17 | J | | MS |
| 7440-50-8 | Copper | 1.9 | J | E | MS |
| 7439-89-6 | Iron | 548 | | E | MS |
| 7439-92-1 | Lead | 0.62 | J | | MS |
| 7439-95-4 | Magnesium | 65200 | | | MS |
| 7439-96-5 | Manganese | 1.0 | U | | MS |
| 7440-02-0 | Nickel | 2.6 | | | MS |
| 7440-09-7 | Potassium | 9840 | | | MS |
| 7782-49-2 | Selenium | 11.1 | | | MS |
| 7440-22-4 | Silver | 1.0 | U | | MS |
| 7440-23-5 | Sodium | 142000 | | D | MS |
| 7440-28-0 | Thallium | 1.0 | U | | MS |
| 7440-62-2 | Vanadium | 64.5 | | | MS |
| 7440-66-6 | Zinc | 43.1 | | | MS |

Color Before: COLORLESS  Clarity Before: CLEAR  Texture:

Color After: COLORLESS  Clarity After: CLEAR  Artifacts:

Comments:

# Metals

## 1A-IN

## INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3TD1

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

Matrix: WATER Lab Sample ID: C1868-10

% Solids: Date Received: 04/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 4.2 | J | | MS |
| 7440-36-0 | Antimony | 2.0 | U | | MS |
| 7440-38-2 | Arsenic | 8.3 | | | MS |
| 7440-39-3 | Barium | 24.0 | | | MS |
| 7440-41-7 | Beryllium | 1.0 | U | | MS |
| 7440-43-9 | Cadmium | 1.0 | U | | MS |
| 7440-70-2 | Calcium | 458000 | | D | MS |
| 7440-47-3 | Chromium | 6.4 | | | MS |
| 7440-48-4 | Cobalt | 1.0 | U | | MS |
| 7440-50-8 | Copper | 9.2 | | E | MS |
| 7439-89-6 | Iron | 1340 | | E | MS |
| 7439-92-1 | Lead | 0.70 | J | | MS |
| 7439-95-4 | Magnesium | 98400 | | | MS |
| 7439-96-5 | Manganese | 0.29 | J | | MS |
| 7440-02-0 | Nickel | 4.1 | | | MS |
| 7440-09-7 | Potassium | 8390 | | | MS |
| 7782-49-2 | Selenium | 34.1 | | | MS |
| 7440-22-4 | Silver | 1.0 | U | | MS |
| 7440-23-5 | Sodium | 528000 | | D | MS |
| 7440-28-0 | Thallium | 1.0 | U | | MS |
| 7440-62-2 | Vanadium | 31.3 | | | MS |
| 7440-66-6 | Zinc | 7.1 | | | MS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

# Metals

## 1A-IN

## INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3TD2

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Matrix: WATER  Lab Sample ID: C1868-09

% Solids:  Date Received: 04/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 7.1 | J | | MS |
| 7440-36-0 | Antimony | 2.0 | U | | MS |
| 7440-38-2 | Arsenic | 12.1 | | | MS |
| 7440-39-3 | Barium | 20.9 | | | MS |
| 7440-41-7 | Beryllium | 1.0 | U | | MS |
| 7440-43-9 | Cadmium | 1.0 | U | | MS |
| 7440-70-2 | Calcium | 228000 | | D | MS |
| 7440-47-3 | Chromium | 1.9 | J | | MS |
| 7440-48-4 | Cobalt | 1.1 | | | MS |
| 7440-50-8 | Copper | 22.2 | | E | MS |
| 7439-89-6 | Iron | 604 | | E | MS |
| 7439-92-1 | Lead | 0.41 | J | | MS |
| 7439-95-4 | Magnesium | 70600 | | | MS |
| 7439-96-5 | Manganese | 0.64 | J | | MS |
| 7440-02-0 | Nickel | 4.1 | | | MS |
| 7440-09-7 | Potassium | 3120 | | | MS |
| 7782-49-2 | Selenium | 22.4 | | | MS |
| 7440-22-4 | Silver | 1.0 | U | | MS |
| 7440-23-5 | Sodium | 325000 | | D | MS |
| 7440-28-0 | Thallium | 1.0 | U | | MS |
| 7440-62-2 | Vanadium | 47.1 | | | MS |
| 7440-66-6 | Zinc | 8.6 | | | MS |

Color Before: COLORLESS  Clarity Before: CLEAR  Texture:

Color After: COLORLESS  Clarity After: CLEAR  Artifacts:

Comments:

# Metals

## 1A-IN

## INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3TD8

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

Matrix: WATER Lab Sample ID: C1868-11

% Solids: Date Received: 04/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 20.0 | U | | MS |
| 7440-36-0 | Antimony | 2.0 | U | | MS |
| 7440-38-2 | Arsenic | 9.8 | | | MS |
| 7440-39-3 | Barium | 55.4 | | | MS |
| 7440-41-7 | Beryllium | 1.0 | U | | MS |
| 7440-43-9 | Cadmium | 1.0 | U | | MS |
| 7440-70-2 | Calcium | 157000 | | D | MS |
| 7440-47-3 | Chromium | 2.2 | | | MS |
| 7440-48-4 | Cobalt | 1.0 | U | | MS |
| 7440-50-8 | Copper | 9.0 | | E | MS |
| 7439-89-6 | Iron | 513 | | E | MS |
| 7439-92-1 | Lead | 0.48 | J | | MS |
| 7439-95-4 | Magnesium | 41200 | | | MS |
| 7439-96-5 | Manganese | 1.0 | U | | MS |
| 7440-02-0 | Nickel | 1.8 | | | MS |
| 7440-09-7 | Potassium | 6130 | | | MS |
| 7782-49-2 | Selenium | 17.7 | | | MS |
| 7440-22-4 | Silver | 1.0 | U | | MS |
| 7440-23-5 | Sodium | 264000 | | D | MS |
| 7440-28-0 | Thallium | 1.0 | U | | MS |
| 7440-62-2 | Vanadium | 46.2 | | | MS |
| 7440-66-6 | Zinc | 6.9 | | | MS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

# Metals

## 1A-IN

## INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3TE0

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Matrix: WATER  Lab Sample ID: C1868-12

% Solids:  Date Received: 04/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 6.5 | J | | MS |
| 7440-36-0 | Antimony | 0.21 | J | | MS |
| 7440-38-2 | Arsenic | 6.9 | | | MS |
| 7440-39-3 | Barium | 24.9 | | | MS |
| 7440-41-7 | Beryllium | 1.0 | U | | MS |
| 7440-43-9 | Cadmium | 1.0 | U | | MS |
| 7440-70-2 | Calcium | 274000 | | D | MS |
| 7440-47-3 | Chromium | 0.72 | J | | MS |
| 7440-48-4 | Cobalt | 1.0 | U | | MS |
| 7440-50-8 | Copper | 48.9 | | E | MS |
| 7439-89-6 | Iron | 845 | | E | MS |
| 7439-92-1 | Lead | 5.6 | | | MS |
| 7439-95-4 | Magnesium | 56300 | | | MS |
| 7439-96-5 | Manganese | 0.32 | J | | MS |
| 7440-02-0 | Nickel | 2.6 | | | MS |
| 7440-09-7 | Potassium | 7140 | | | MS |
| 7782-49-2 | Selenium | 23.2 | | | MS |
| 7440-22-4 | Silver | 0.073 | J | | MS |
| 7440-23-5 | Sodium | 191000 | | D | MS |
| 7440-28-0 | Thallium | 0.10 | J | | MS |
| 7440-62-2 | Vanadium | 26.0 | | | MS |
| 7440-66-6 | Zinc | 34.1 | | | MS |

Color Before: COLORLESS  Clarity Before: CLEAR  Texture:

Color After: COLORLESS  Clarity After: CLEAR  Artifacts:

Comments:

# Metals

## 1A-IN

## INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3TE6

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Matrix: WATER  Lab Sample ID: C1868-18

% Solids:  Date Received: 04/15/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 30.6 | | | MS |
| 7440-36-0 | Antimony | 0.38 | J | | MS |
| 7440-38-2 | Arsenic | 7.5 | | | MS |
| 7440-39-3 | Barium | 44.1 | | | MS |
| 7440-41-7 | Beryllium | 1.0 | U | | MS |
| 7440-43-9 | Cadmium | 1.0 | U | | MS |
| 7440-70-2 | Calcium | 398000 | | D | MS |
| 7440-47-3 | Chromium | 0.79 | J | | MS |
| 7440-48-4 | Cobalt | 1.0 | U | | MS |
| 7440-50-8 | Copper | 121 | | E | MS |
| 7439-89-6 | Iron | 1230 | | E | MS |
| 7439-92-1 | Lead | 7.3 | | | MS |
| 7439-95-4 | Magnesium | 82500 | | | MS |
| 7439-96-5 | Manganese | 1.0 | | | MS |
| 7440-02-0 | Nickel | 3.6 | | | MS |
| 7440-09-7 | Potassium | 8150 | | | MS |
| 7782-49-2 | Selenium | 38.6 | | | MS |
| 7440-22-4 | Silver | 0.10 | J | | MS |
| 7440-23-5 | Sodium | 416000 | | D | MS |
| 7440-28-0 | Thallium | 1.0 | U | | MS |
| 7440-62-2 | Vanadium | 26.8 | | | MS |
| 7440-66-6 | Zinc | 61.4 | | | MS |

Color Before: COLORLESS  Clarity Before: CLEAR  Texture:

Color After: COLORLESS  Clarity After: CLEAR  Artifacts:

Comments:

# Metals

## 1A-IN

## INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3TE9

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Matrix: WATER  Lab Sample ID: C1868-19

% Solids:  Date Received: 04/15/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 7.0 | J | | MS |
| 7440-36-0 | Antimony | 2.0 | U | | MS |
| 7440-38-2 | Arsenic | 13.2 | | | MS |
| 7440-39-3 | Barium | 26.8 | | | MS |
| 7440-41-7 | Beryllium | 1.0 | U | | MS |
| 7440-43-9 | Cadmium | 1.0 | U | | MS |
| 7440-70-2 | Calcium | 165000 | | D | MS |
| 7440-47-3 | Chromium | 1.3 | J | | MS |
| 7440-48-4 | Cobalt | 1.0 | U | | MS |
| 7440-50-8 | Copper | 4.4 | | E | MS |
| 7439-89-6 | Iron | 556 | | E | MS |
| 7439-92-1 | Lead | 1.8 | | | MS |
| 7439-95-4 | Magnesium | 50400 | | | MS |
| 7439-96-5 | Manganese | 1.2 | | | MS |
| 7440-02-0 | Nickel | 2.1 | | | MS |
| 7440-09-7 | Potassium | 4640 | | | MS |
| 7782-49-2 | Selenium | 20.5 | | | MS |
| 7440-22-4 | Silver | 1.0 | U | | MS |
| 7440-23-5 | Sodium | 316000 | | D | MS |
| 7440-28-0 | Thallium | 1.0 | U | | MS |
| 7440-62-2 | Vanadium | 62.1 | | | MS |
| 7440-66-6 | Zinc | 44.9 | | | MS |

Color Before: COLORLESS  Clarity Before: CLEAR  Texture:

Color After: COLORLESS  Clarity After: CLEAR  Artifacts:

Comments:

# Metals

## 1A-IN

## INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF3TF0

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

Matrix: WATER Lab Sample ID: C1868-20

% Solids: Date Received: 04/15/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 2.1 | J | | MS |
| 7440-36-0 | Antimony | 2.0 | U | | MS |
| 7440-38-2 | Arsenic | 6.6 | | | MS |
| 7440-39-3 | Barium | 48.6 | | | MS |
| 7440-41-7 | Beryllium | 1.0 | U | | MS |
| 7440-43-9 | Cadmium | 1.0 | U | | MS |
| 7440-70-2 | Calcium | 314000 | | D | MS |
| 7440-47-3 | Chromium | 1.2 | J | | MS |
| 7440-48-4 | Cobalt | 1.0 | U | | MS |
| 7440-50-8 | Copper | 2.2 | | E | MS |
| 7439-89-6 | Iron | 994 | | E | MS |
| 7439-92-1 | Lead | 0.26 | J | | MS |
| 7439-95-4 | Magnesium | 56300 | | | MS |
| 7439-96-5 | Manganese | 1.0 | U | | MS |
| 7440-02-0 | Nickel | 2.7 | | | MS |
| 7440-09-7 | Potassium | 7320 | | | MS |
| 7782-49-2 | Selenium | 22.7 | | | MS |
| 7440-22-4 | Silver | 1.0 | U | | MS |
| 7440-23-5 | Sodium | 214000 | | D | MS |
| 7440-28-0 | Thallium | 1.0 | U | | MS |
| 7440-62-2 | Vanadium | 26.3 | | | MS |
| 7440-66-6 | Zinc | 6.6 | | | MS |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

# Metals

## 2A-IN

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: INOR-MP6700

Concentration Units: ug/L

| | Initial Calibration Verification | | | Continuing Calibration Verification | | | | | M |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Aluminum | 504.0 | 513.60 | 102 | 10000.0 | 10090.00 | 101 | 10120.00 | 101 | MS |
| Antimony | 199.0 | 186.80 | 94 | 500.0 | 492.00 | 98 | 490.90 | 98 | MS |
| Arsenic | 200.0 | 191.00 | 96 | 500.0 | 491.50 | 98 | 490.70 | 98 | MS |
| Barium | 99.0 | 99.26 | 100 | 2500.0 | 2466.00 | 99 | 2461.00 | 98 | MS |
| Beryllium | 99.0 | 95.37 | 96 | 500.0 | 502.00 | 100 | 501.70 | 100 | MS |
| Cadmium | 99.0 | 96.11 | 97 | 500.0 | 492.00 | 98 | 490.30 | 98 | MS |
| Calcium | 2005.0 | 1948.00 | 97 | 50000.0 | 49080.00 | 98 | 49090.00 | 98 | MS |
| Chromium | 98.0 | 94.34 | 96 | 500.0 | 495.40 | 99 | 494.90 | 99 | MS |
| Cobalt | 100.0 | 98.46 | 98 | 500.0 | 496.10 | 99 | 497.70 | 100 | MS |
| Copper | 98.0 | 100.70 | 103 | 1000.0 | 987.80 | 99 | 992.60 | 99 | MS |
| Iron | 1016.0 | 1002.00 | 99 | 25000.0 | 25270.00 | 101 | 25490.00 | 102 | MS |
| Lead | 200.0 | 194.00 | 97 | 500.0 | 498.30 | 100 | 497.80 | 100 | MS |
| Magnesium | 1215.0 | 1212.00 | 100 | 50000.0 | 51420.00 | 103 | 51550.00 | 103 | MS |
| Manganese | 100.0 | 98.01 | 98 | 1000.0 | 1009.00 | 101 | 1008.00 | 101 | MS |
| Nickel | 101.0 | 99.61 | 99 | 500.0 | 501.20 | 100 | 502.10 | 100 | MS |
| Potassium | 2004.0 | 1940.00 | 97 | 25000.0 | 25630.00 | 103 | 25630.00 | 103 | MS |
| Selenium | 206.0 | 190.70 | 93 | 500.0 | 487.60 | 98 | 491.20 | 98 | MS |
| Silver | 100.0 | 98.45 | 98 | 500.0 | 499.60 | 100 | 499.20 | 100 | MS |
| Sodium | 2019.0 | 1888.00 | 94 | 50000.0 | 51430.00 | 103 | 51470.00 | 103 | MS |
| Thallium | 206.0 | 195.10 | 95 | 500.0 | 495.80 | 99 | 495.10 | 99 | MS |
| Vanadium | 100.0 | 95.65 | 96 | 500.0 | 496.50 | 99 | 495.40 | 99 | MS |
| Zinc | 205.0 | 196.60 | 96 | 1000.0 | 998.50 | 100 | 1006.00 | 101 | MS |

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

# Metals

## 2A-IN

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: INOR-MP6700

Concentration Units: ug/L

| | Initial Calibration Verification | | | Continuing Calibration Verification | | | | | M |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Aluminum | | | | 10000.0 | 9992.00 | 100 | 10160.00 | 102 | MS |
| Antimony | | | | 500.0 | 489.20 | 98 | 492.40 | 98 | MS |
| Arsenic | | | | 500.0 | 492.10 | 98 | 495.90 | 99 | MS |
| Barium | | | | 2500.0 | 2448.00 | 98 | 2486.00 | 99 | MS |
| Beryllium | | | | 500.0 | 494.10 | 99 | 504.90 | 101 | MS |
| Cadmium | | | | 500.0 | 489.00 | 98 | 490.70 | 98 | MS |
| Calcium | | | | 50000.0 | 48830.00 | 98 | 48980.00 | 98 | MS |
| Chromium | | | | 500.0 | 493.30 | 99 | 499.50 | 100 | MS |
| Cobalt | | | | 500.0 | 491.70 | 98 | 494.30 | 99 | MS |
| Copper | | | | 1000.0 | 976.00 | 98 | 995.50 | 100 | MS |
| Iron | | | | 25000.0 | 25030.00 | 100 | 25410.00 | 102 | MS |
| Lead | | | | 500.0 | 492.00 | 98 | 500.40 | 100 | MS |
| Magnesium | | | | 50000.0 | 50770.00 | 102 | 51120.00 | 102 | MS |
| Manganese | | | | 1000.0 | 996.40 | 100 | 1002.00 | 100 | MS |
| Nickel | | | | 500.0 | 494.70 | 99 | 503.10 | 101 | MS |
| Potassium | | | | 25000.0 | 25540.00 | 102 | 25620.00 | 102 | MS |
| Selenium | | | | 500.0 | 487.60 | 98 | 495.40 | 99 | MS |
| Silver | | | | 500.0 | 495.40 | 99 | 499.90 | 100 | MS |
| Sodium | | | | 50000.0 | 50320.00 | 101 | 50850.00 | 102 | MS |
| Thallium | | | | 500.0 | 487.40 | 97 | 496.30 | 99 | MS |
| Vanadium | | | | 500.0 | 491.90 | 98 | 499.50 | 100 | MS |
| Zinc | | | | 1000.0 | 999.30 | 100 | 993.80 | 99 | MS |

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

# Metals

## 2A-IN

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: INOR-MP6700

Concentration Units: ug/L

| | Initial Calibration Verification | | | Continuing Calibration Verification | | | | | M |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Aluminum | | | | 10000.0 | 9818.00 | 98 | 10130.00 | 101 | MS |
| Antimony | | | | 500.0 | 476.90 | 95 | 482.00 | 96 | MS |
| Arsenic | | | | 500.0 | 483.40 | 97 | 490.20 | 98 | MS |
| Barium | | | | 2500.0 | 2406.00 | 96 | 2431.00 | 97 | MS |
| Beryllium | | | | 500.0 | 489.70 | 98 | 502.20 | 100 | MS |
| Cadmium | | | | 500.0 | 481.10 | 96 | 480.60 | 96 | MS |
| Calcium | | | | 50000.0 | 47640.00 | 95 | 48840.00 | 98 | MS |
| Chromium | | | | 500.0 | 483.80 | 97 | 490.10 | 98 | MS |
| Cobalt | | | | 500.0 | 484.50 | 97 | 492.20 | 98 | MS |
| Copper | | | | 1000.0 | 972.50 | 97 | 989.00 | 99 | MS |
| Iron | | | | 25000.0 | 24580.00 | 98 | 25220.00 | 101 | MS |
| Lead | | | | 500.0 | 486.10 | 97 | 493.70 | 99 | MS |
| Magnesium | | | | 50000.0 | 49600.00 | 99 | 50840.00 | 102 | MS |
| Manganese | | | | 1000.0 | 970.90 | 97 | 989.20 | 99 | MS |
| Nickel | | | | 500.0 | 487.90 | 98 | 494.30 | 99 | MS |
| Potassium | | | | 25000.0 | 24990.00 | 100 | 25480.00 | 102 | MS |
| Selenium | | | | 500.0 | 482.90 | 97 | 486.30 | 97 | MS |
| Silver | | | | 500.0 | 484.80 | 97 | 492.80 | 99 | MS |
| Sodium | | | | 50000.0 | 49470.00 | 99 | 50770.00 | 102 | MS |
| Thallium | | | | 500.0 | 484.20 | 97 | 491.90 | 98 | MS |
| Vanadium | | | | 500.0 | 487.30 | 97 | 493.50 | 99 | MS |
| Zinc | | | | 1000.0 | 966.10 | 97 | 977.60 | 98 | MS |

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

# Metals

## 2A-IN

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: INOR-MP6700

Concentration Units: ug/L

| | Initial Calibration Verification | | | Continuing Calibration Verification | | | | | M |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Aluminum | | | | 10000.0 | 10220.00 | 102 | 10090.00 | 101 | MS |
| Antimony | | | | 500.0 | 484.50 | 97 | 486.70 | 97 | MS |
| Arsenic | | | | 500.0 | 499.50 | 100 | 488.80 | 98 | MS |
| Barium | | | | 2500.0 | 2465.00 | 99 | 2450.00 | 98 | MS |
| Beryllium | | | | 500.0 | 510.70 | 102 | 500.60 | 100 | MS |
| Cadmium | | | | 500.0 | 486.00 | 97 | 486.80 | 97 | MS |
| Calcium | | | | 50000.0 | 49010.00 | 98 | 48420.00 | 97 | MS |
| Chromium | | | | 500.0 | 494.90 | 99 | 487.00 | 97 | MS |
| Cobalt | | | | 500.0 | 498.10 | 100 | 486.70 | 97 | MS |
| Copper | | | | 1000.0 | 1008.00 | 101 | 970.90 | 97 | MS |
| Iron | | | | 25000.0 | 25380.00 | 102 | 25150.00 | 101 | MS |
| Lead | | | | 500.0 | 497.60 | 100 | 491.70 | 98 | MS |
| Magnesium | | | | 50000.0 | 51220.00 | 102 | 50810.00 | 102 | MS |
| Manganese | | | | 1000.0 | 995.50 | 100 | 989.10 | 99 | MS |
| Nickel | | | | 500.0 | 503.00 | 101 | 487.80 | 98 | MS |
| Potassium | | | | 25000.0 | 25660.00 | 103 | 25440.00 | 102 | MS |
| Selenium | | | | 500.0 | 500.60 | 100 | 490.90 | 98 | MS |
| Silver | | | | 500.0 | 496.60 | 99 | 491.60 | 98 | MS |
| Sodium | | | | 50000.0 | 51070.00 | 102 | 50800.00 | 102 | MS |
| Thallium | | | | 500.0 | 498.30 | 100 | 489.40 | 98 | MS |
| Vanadium | | | | 500.0 | 499.80 | 100 | 489.40 | 98 | MS |
| Zinc | | | | 1000.0 | 993.40 | 99 | 971.30 | 97 | MS |

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

# Metals

## 2A-IN

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: INOR-MP6700

Concentration Units: ug/L

| | Initial Calibration Verification | | | Continuing Calibration Verification | | | | | M |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Aluminum | | | | 10000.0 | 10130.00 | 101 | 10310.00 | 103 | MS |
| Antimony | | | | 500.0 | 483.50 | 97 | 486.80 | 97 | MS |
| Arsenic | | | | 500.0 | 489.70 | 98 | 499.30 | 100 | MS |
| Barium | | | | 2500.0 | 2466.00 | 99 | 2482.00 | 99 | MS |
| Beryllium | | | | 500.0 | 510.90 | 102 | 524.40 | 105 | MS |
| Cadmium | | | | 500.0 | 485.40 | 97 | 487.30 | 97 | MS |
| Calcium | | | | 50000.0 | 48050.00 | 96 | 48810.00 | 98 | MS |
| Chromium | | | | 500.0 | 482.60 | 97 | 494.40 | 99 | MS |
| Cobalt | | | | 500.0 | 487.50 | 98 | 497.80 | 100 | MS |
| Copper | | | | 1000.0 | 980.40 | 98 | 1002.00 | 100 | MS |
| Iron | | | | 25000.0 | 25040.00 | 100 | 25440.00 | 102 | MS |
| Lead | | | | 500.0 | 492.90 | 99 | 496.70 | 99 | MS |
| Magnesium | | | | 50000.0 | 50670.00 | 101 | 51230.00 | 102 | MS |
| Manganese | | | | 1000.0 | 980.90 | 98 | 991.30 | 99 | MS |
| Nickel | | | | 500.0 | 493.60 | 99 | 504.90 | 101 | MS |
| Potassium | | | | 25000.0 | 25360.00 | 101 | 25650.00 | 103 | MS |
| Selenium | | | | 500.0 | 493.60 | 99 | 501.30 | 100 | MS |
| Silver | | | | 500.0 | 494.30 | 99 | 499.10 | 100 | MS |
| Sodium | | | | 50000.0 | 50810.00 | 102 | 51220.00 | 102 | MS |
| Thallium | | | | 500.0 | 492.80 | 99 | 496.10 | 99 | MS |
| Vanadium | | | | 500.0 | 489.60 | 98 | 495.50 | 99 | MS |
| Zinc | | | | 1000.0 | 971.30 | 97 | 977.20 | 98 | MS |

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

# Metals

## 2A-IN

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: INOR-MP6700

Concentration Units: ug/L

| | Initial Calibration Verification | | | Continuing Calibration Verification | | | | | M |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Aluminum | | | | 10000.0 | 10240.00 | 102 | 10290.00 | 103 | MS |
| Antimony | | | | 500.0 | 488.20 | 98 | 489.80 | 98 | MS |
| Arsenic | | | | 500.0 | 494.40 | 99 | 494.40 | 99 | MS |
| Barium | | | | 2500.0 | 2495.00 | 100 | 2503.00 | 100 | MS |
| Beryllium | | | | 500.0 | 508.30 | 102 | 513.10 | 103 | MS |
| Cadmium | | | | 500.0 | 488.70 | 98 | 490.80 | 98 | MS |
| Calcium | | | | 50000.0 | 48950.00 | 98 | 49170.00 | 98 | MS |
| Chromium | | | | 500.0 | 493.10 | 99 | 496.00 | 99 | MS |
| Cobalt | | | | 500.0 | 494.10 | 99 | 494.60 | 99 | MS |
| Copper | | | | 1000.0 | 1003.00 | 100 | 996.10 | 100 | MS |
| Iron | | | | 25000.0 | 25310.00 | 101 | 25470.00 | 102 | MS |
| Lead | | | | 500.0 | 496.80 | 99 | 500.00 | 100 | MS |
| Magnesium | | | | 50000.0 | 51230.00 | 102 | 51730.00 | 103 | MS |
| Manganese | | | | 1000.0 | 995.40 | 100 | 1002.00 | 100 | MS |
| Nickel | | | | 500.0 | 499.20 | 100 | 497.10 | 99 | MS |
| Potassium | | | | 25000.0 | 25750.00 | 103 | 26000.00 | 104 | MS |
| Selenium | | | | 500.0 | 495.90 | 99 | 495.20 | 99 | MS |
| Silver | | | | 500.0 | 498.80 | 100 | 498.80 | 100 | MS |
| Sodium | | | | 50000.0 | 50960.00 | 102 | 51950.00 | 104 | MS |
| Thallium | | | | 500.0 | 493.90 | 99 | 498.20 | 100 | MS |
| Vanadium | | | | 500.0 | 495.40 | 99 | 495.10 | 99 | MS |
| Zinc | | | | 1000.0 | 977.50 | 98 | 981.60 | 98 | MS |

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

# Metals

## 2A-IN

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: INOR-MP6700

Concentration Units: ug/L

| | Initial Calibration Verification | | | Continuing Calibration Verification | | | | | M |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Aluminum | | | | 10000.0 | 9923.00 | 99 | 10160.00 | 102 | MS |
| Antimony | | | | 500.0 | 478.70 | 96 | 485.70 | 97 | MS |
| Arsenic | | | | 500.0 | 476.80 | 95 | 489.20 | 98 | MS |
| Barium | | | | 2500.0 | 2421.00 | 97 | 2452.00 | 98 | MS |
| Beryllium | | | | 500.0 | 494.60 | 99 | 506.50 | 101 | MS |
| Cadmium | | | | 500.0 | 473.60 | 95 | 480.70 | 96 | MS |
| Calcium | | | | 50000.0 | 46940.00 | 94 | 48780.00 | 98 | MS |
| Chromium | | | | 500.0 | 471.80 | 94 | 489.30 | 98 | MS |
| Cobalt | | | | 500.0 | 466.00 | 93 | 487.40 | 97 | MS |
| Copper | | | | 1000.0 | 941.10 | 94 | 990.20 | 99 | MS |
| Iron | | | | 25000.0 | 24440.00 | 98 | 25350.00 | 101 | MS |
| Lead | | | | 500.0 | 481.60 | 96 | 494.20 | 99 | MS |
| Magnesium | | | | 50000.0 | 49840.00 | 100 | 50920.00 | 102 | MS |
| Manganese | | | | 1000.0 | 968.60 | 97 | 985.20 | 99 | MS |
| Nickel | | | | 500.0 | 470.20 | 94 | 493.30 | 99 | MS |
| Potassium | | | | 25000.0 | 25070.00 | 100 | 25620.00 | 102 | MS |
| Selenium | | | | 500.0 | 478.40 | 96 | 493.00 | 99 | MS |
| Silver | | | | 500.0 | 480.90 | 96 | 494.70 | 99 | MS |
| Sodium | | | | 50000.0 | 49940.00 | 100 | 51370.00 | 103 | MS |
| Thallium | | | | 500.0 | 480.40 | 96 | 490.70 | 98 | MS |
| Vanadium | | | | 500.0 | 472.50 | 94 | 487.70 | 98 | MS |
| Zinc | | | | 1000.0 | 957.70 | 96 | 972.90 | 97 | MS |

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

# Metals

## 2A-IN

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: INOR-MP6700

Concentration Units: ug/L

| | Initial Calibration Verification | | | Continuing Calibration Verification | | | | | M |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Aluminum | | | | 10000.0 | 10370.00 | 104 | 10080.00 | 101 | MS |
| Antimony | | | | 500.0 | 487.80 | 98 | 495.20 | 99 | MS |
| Arsenic | | | | 500.0 | 494.20 | 99 | 496.60 | 99 | MS |
| Barium | | | | 2500.0 | 2483.00 | 99 | 2490.00 | 100 | MS |
| Beryllium | | | | 500.0 | 522.50 | 104 | 524.20 | 105 | MS |
| Cadmium | | | | 500.0 | 484.50 | 97 | 492.90 | 99 | MS |
| Calcium | | | | 50000.0 | 48730.00 | 97 | 49610.00 | 99 | MS |
| Chromium | | | | 500.0 | 495.80 | 99 | 497.50 | 100 | MS |
| Cobalt | | | | 500.0 | 498.80 | 100 | 500.00 | 100 | MS |
| Copper | | | | 1000.0 | 1000.00 | 100 | 1003.00 | 100 | MS |
| Iron | | | | 25000.0 | 25560.00 | 102 | 25290.00 | 101 | MS |
| Lead | | | | 500.0 | 498.70 | 100 | 501.10 | 100 | MS |
| Magnesium | | | | 50000.0 | 51910.00 | 104 | 50950.00 | 102 | MS |
| Manganese | | | | 1000.0 | 994.40 | 99 | 1008.00 | 101 | MS |
| Nickel | | | | 500.0 | 507.10 | 101 | 502.20 | 100 | MS |
| Potassium | | | | 25000.0 | 25890.00 | 104 | 25450.00 | 102 | MS |
| Selenium | | | | 500.0 | 494.30 | 99 | 505.60 | 101 | MS |
| Silver | | | | 500.0 | 499.60 | 100 | 500.30 | 100 | MS |
| Sodium | | | | 50000.0 | 51980.00 | 104 | 50960.00 | 102 | MS |
| Thallium | | | | 500.0 | 496.40 | 99 | 501.20 | 100 | MS |
| Vanadium | | | | 500.0 | 495.80 | 99 | 502.80 | 101 | MS |
| Zinc | | | | 1000.0 | 968.40 | 97 | 996.40 | 100 | MS |

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

# Metals

## 2A-IN

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: INOR-MP6700

Concentration Units: ug/L

| | Initial Calibration Verification | | | Continuing Calibration Verification | | | | | M |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Aluminum | | | | 10000.0 | 9995.00 | 100 | | | MS |
| Antimony | | | | 500.0 | 489.20 | 98 | | | MS |
| Arsenic | | | | 500.0 | 487.20 | 97 | | | MS |
| Barium | | | | 2500.0 | 2488.00 | 100 | | | MS |
| Beryllium | | | | 500.0 | 519.90 | 104 | | | MS |
| Cadmium | | | | 500.0 | 492.60 | 99 | | | MS |
| Calcium | | | | 50000.0 | 48600.00 | 97 | | | MS |
| Chromium | | | | 500.0 | 491.50 | 98 | | | MS |
| Cobalt | | | | 500.0 | 489.80 | 98 | | | MS |
| Copper | | | | 1000.0 | 985.10 | 99 | | | MS |
| Iron | | | | 25000.0 | 24950.00 | 100 | | | MS |
| Lead | | | | 500.0 | 494.60 | 99 | | | MS |
| Magnesium | | | | 50000.0 | 50320.00 | 101 | | | MS |
| Manganese | | | | 1000.0 | 992.10 | 99 | | | MS |
| Nickel | | | | 500.0 | 499.30 | 100 | | | MS |
| Potassium | | | | 25000.0 | 25120.00 | 100 | | | MS |
| Selenium | | | | 500.0 | 493.70 | 99 | | | MS |
| Silver | | | | 500.0 | 498.00 | 100 | | | MS |
| Sodium | | | | 50000.0 | 50480.00 | 101 | | | MS |
| Thallium | | | | 500.0 | 496.30 | 99 | | | MS |
| Vanadium | | | | 500.0 | 492.10 | 98 | | | MS |
| Zinc | | | | 1000.0 | 973.60 | 97 | | | MS |

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

# Metals

## 3-IN
## BLANKS

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.: _____  SDG No.: MF3T76

Preparation Blank Matrix (soil/water/wipe/filter): WATER

Preparation Blank Concentration Units (ug/L, ug, or mg/kg): UG/L

| Analyte | Initial Calibration Blank(ug/L) | | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | C | 1 | C | 2 | C | 3 | C | | C | M |
| Aluminum | 5.377 | J | 4.015 | J | 1.825 | J | 20.000 | U | 20.000 | U | MS |
| Antimony | 0.778 | J | 0.417 | J | 0.373 | J | 0.337 | J | 2.000 | U | MS |
| Arsenic | 0.609 | J | 0.168 | J | 0.143 | J | 1.000 | U | 1.000 | U | MS |
| Barium | 1.391 | J | 0.291 | J | 0.490 | J | 10.000 | U | 10.000 | U | MS |
| Beryllium | 0.322 | J | 1.000 | U | 0.090 | J | 1.000 | U | -0.087 | J | MS |
| Cadmium | 0.367 | J | 1.000 | U | 1.000 | U | 1.000 | U | -0.113 | J | MS |
| Calcium | -9.787 | J | -43.060 | J | -44.630 | J | -48.440 | J | -56.090 | J | MS |
| Chromium | 0.293 | J | 2.000 | U | 0.083 | J | 2.000 | U | 2.000 | U | MS |
| Cobalt | 0.339 | J | 1.000 | U | 0.076 | J | 1.000 | U | 1.000 | U | MS |
| Copper | 0.610 | J | 2.000 | U | 0.158 | J | 2.000 | U | -0.111 | J | MS |
| Iron | 16.980 | J | 200.000 | U | 200.000 | U | 200.000 | U | -8.997 | J | MS |
| Lead | 0.433 | J | 1.000 | U | 0.057 | J | 1.000 | U | -0.075 | J | MS |
| Magnesium | 26.350 | J | 9.327 | J | 9.563 | J | 500.000 | U | 500.000 | U | MS |
| Manganese | 0.561 | J | 1.000 | U | 0.179 | J | 1.000 | U | 1.000 | U | MS |
| Nickel | 0.324 | J | 1.000 | U | 1.000 | U | 1.000 | U | 1.000 | U | MS |
| Potassium | 28.380 | J | 25.370 | J | 16.180 | J | 29.420 | J | 9.864 | J | MS |
| Selenium | 5.000 | U | 5.000 | U | 5.000 | U | 5.000 | U | 5.000 | U | MS |
| Silver | 0.427 | J | 0.115 | J | 0.156 | J | 1.000 | U | 1.000 | U | MS |
| Sodium | 60.440 | J | 77.260 | J | 72.240 | J | 62.690 | J | 59.590 | J | MS |
| Thallium | 0.541 | J | 0.079 | J | 0.123 | J | 1.000 | U | 1.000 | U | MS |
| Vanadium | 0.402 | J | 0.209 | J | 0.258 | J | 0.247 | J | 5.000 | U | MS |
| Zinc | 0.499 | J | 2.000 | U | 2.000 | U | 2.000 | U | -0.331 | J | MS |

# Metals

## 3-IN
## BLANKS

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.: _____  SDG No.: MF3T76

Preparation Blank Matrix (soil/water/wipe/filter): WATER

Preparation Blank Concentration Units (ug/L, ug, or mg/kg): UG/L

| Analyte | Initial Calibration Blank(ug/L) | C | Continuing Calibration Blank (ug/L) 1 | C | 2 | C | 3 | C | Preparation Blank | C | M |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | | | 1.913 | J | 2.720 | J | 20.000 | U | 20.000 | U | MS |
| Antimony | | | 0.427 | J | 0.436 | J | 0.345 | J | 2.000 | U | MS |
| Arsenic | | | 1.000 | U | 0.186 | J | 1.000 | U | 1.000 | U | MS |
| Barium | | | 0.523 | J | 0.775 | J | 0.303 | J | 10.000 | U | MS |
| Beryllium | | | 1.000 | U | 0.143 | J | 1.000 | U | -0.094 | J | MS |
| Cadmium | | | 1.000 | U | 0.200 | J | 1.000 | U | 1.000 | U | MS |
| Calcium | | | -40.150 | J | -34.580 | J | -51.400 | J | -54.940 | J | MS |
| Chromium | | | 0.151 | J | 0.168 | J | 0.086 | J | 2.000 | U | MS |
| Cobalt | | | 0.102 | J | 0.124 | J | 0.057 | J | 1.000 | U | MS |
| Copper | | | 0.099 | J | 0.247 | J | 2.000 | U | -0.102 | J | MS |
| Iron | | | 200.000 | U | 8.634 | J | 7.535 | J | -8.155 | J | MS |
| Lead | | | 0.062 | J | 0.128 | J | 1.000 | U | -0.074 | J | MS |
| Magnesium | | | 9.954 | J | 15.730 | J | 5.676 | J | 500.000 | U | MS |
| Manganese | | | 0.152 | J | 0.291 | J | 1.000 | U | 1.000 | U | MS |
| Nickel | | | 1.000 | U | 1.000 | U | 1.000 | U | 1.000 | U | MS |
| Potassium | | | 24.020 | J | 11.570 | J | 500.000 | U | 12.330 | J | MS |
| Selenium | | | 5.000 | U | 5.000 | U | 5.000 | U | 5.000 | U | MS |
| Silver | | | 0.176 | J | 0.201 | J | 0.111 | J | 1.000 | U | MS |
| Sodium | | | 55.630 | J | 46.810 | J | 22.350 | J | 56.010 | J | MS |
| Thallium | | | 0.148 | J | 0.196 | J | 0.080 | J | 1.000 | U | MS |
| Vanadium | | | -0.137 | J | -0.262 | J | 5.000 | U | 5.000 | U | MS |
| Zinc | | | 2.000 | U | 2.000 | U | 2.000 | U | -0.356 | J | MS |

# Metals

## 3-IN
## BLANKS

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.: _____  SDG No.: MF3T76

Preparation Blank Matrix (soil/water/wipe/filter): _____

Preparation Blank Concentration Units (ug/L, ug, or mg/kg): _____

| Analyte | Initial Calibration Blank(ug/L) | C | Continuing Calibration Blank (ug/L) 1 | C | 2 | C | 3 | C | Preparation Blank | C | M |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | | | 2.883 | J | 7.266 | J | 4.210 | J | | | MS |
| Antimony | | | 0.472 | J | 0.480 | J | 0.484 | J | | | MS |
| Arsenic | | | 0.225 | J | 0.192 | J | 0.145 | J | | | MS |
| Barium | | | 0.769 | J | 0.758 | J | 1.165 | J | | | MS |
| Beryllium | | | 0.079 | J | 0.088 | J | 0.131 | J | | | MS |
| Cadmium | | | 0.163 | J | 0.149 | J | 0.290 | J | | | MS |
| Calcium | | | -29.920 | J | -37.100 | J | -30.730 | J | | | MS |
| Chromium | | | 0.178 | J | 0.160 | J | 0.246 | J | | | MS |
| Cobalt | | | 0.117 | J | 0.152 | J | 0.211 | J | | | MS |
| Copper | | | 0.200 | J | 0.270 | J | 0.349 | J | | | MS |
| Iron | | | 13.340 | J | 6.737 | J | 11.470 | J | | | MS |
| Lead | | | 0.105 | J | 0.139 | J | 0.184 | J | | | MS |
| Magnesium | | | 17.650 | J | 17.760 | J | 23.760 | J | | | MS |
| Manganese | | | 0.223 | J | 0.327 | J | 0.419 | J | | | MS |
| Nickel | | | 1.000 | U | 1.000 | U | 0.156 | J | | | MS |
| Potassium | | | 500.000 | U | 16.610 | J | 8.415 | J | | | MS |
| Selenium | | | 5.000 | U | 5.000 | U | 5.000 | U | | | MS |
| Silver | | | 0.225 | J | 0.209 | J | 0.283 | J | | | MS |
| Sodium | | | 37.420 | J | 73.840 | J | 64.630 | J | | | MS |
| Thallium | | | 0.195 | J | 0.232 | J | 0.273 | J | | | MS |
| Vanadium | | | 0.349 | J | 0.303 | J | 0.125 | J | | | MS |
| Zinc | | | 2.000 | U | 2.000 | U | 2.000 | U | | | MS |

# Metals

## 3-IN
## BLANKS

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.: _____  SDG No.: MF3T76

Preparation Blank Matrix (soil/water/wipe/filter): _____

Preparation Blank Concentration Units (ug/L, ug, or mg/kg): _____

| Analyte | Initial Calibration Blank(ug/L) | C | Continuing Calibration Blank (ug/L) 1 | C | 2 | C | 3 | C | Preparation Blank | C | M |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | | | 5.741 | J | 6.805 | J | 7.648 | J | | | MS |
| Antimony | | | 0.599 | J | 0.637 | J | 0.647 | J | | | MS |
| Arsenic | | | 0.288 | J | 0.410 | J | 0.401 | J | | | MS |
| Barium | | | 1.468 | J | 1.733 | J | 1.880 | J | | | MS |
| Beryllium | | | 0.210 | J | 0.312 | J | 0.239 | J | | | MS |
| Cadmium | | | 0.268 | J | 0.374 | J | 0.243 | J | | | MS |
| Calcium | | | -24.570 | J | 26.760 | J | -18.790 | J | | | MS |
| Chromium | | | 0.289 | J | 0.362 | J | 0.328 | J | | | MS |
| Cobalt | | | 0.279 | J | 0.327 | J | 0.329 | J | | | MS |
| Copper | | | 0.498 | J | 0.592 | J | 0.611 | J | | | MS |
| Iron | | | 17.290 | J | 19.360 | J | 20.700 | J | | | MS |
| Lead | | | 0.252 | J | 0.318 | J | 0.316 | J | | | MS |
| Magnesium | | | 30.900 | J | 48.640 | J | 35.650 | J | | | MS |
| Manganese | | | 0.553 | J | 0.675 | J | 0.717 | J | | | MS |
| Nickel | | | 0.181 | J | 0.238 | J | 0.321 | J | | | MS |
| Potassium | | | 13.810 | J | 9.252 | J | 8.088 | J | | | MS |
| Selenium | | | 5.000 | U | 5.000 | U | 5.000 | U | | | MS |
| Silver | | | 0.361 | J | 0.443 | J | 0.382 | J | | | MS |
| Sodium | | | 73.690 | J | 106.700 | J | 74.910 | J | | | MS |
| Thallium | | | 0.356 | J | 0.411 | J | 0.409 | J | | | MS |
| Vanadium | | | 0.377 | J | 0.377 | J | 0.313 | J | | | MS |
| Zinc | | | 0.409 | J | 0.391 | J | 0.520 | J | | | MS |

# Metals

## 3-IN
## BLANKS

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.: _____  SDG No.: MF3T76

Preparation Blank Matrix (soil/water/wipe/filter): _____

Preparation Blank Concentration Units (ug/L, ug, or mg/kg): _____

| Analyte | Initial Calibration Blank(ug/L) | C | Continuing Calibration Blank (ug/L) 1 | C | 2 | C | 3 | C | Preparation Blank | C | M |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | | | 6.678 | J | 7.104 | J | 8.545 | J | | | MS |
| Antimony | | | 0.604 | J | 0.630 | J | 0.760 | J | | | MS |
| Arsenic | | | 0.463 | J | 0.399 | J | 0.392 | J | | | MS |
| Barium | | | 1.687 | J | 1.813 | J | 2.049 | J | | | MS |
| Beryllium | | | 0.312 | J | 0.278 | J | 0.440 | J | | | MS |
| Cadmium | | | 0.295 | J | 0.316 | J | 0.457 | J | | | MS |
| Calcium | | | -19.120 | J | -20.530 | J | -11.200 | J | | | MS |
| Chromium | | | 0.394 | J | 0.344 | J | 0.437 | J | | | MS |
| Cobalt | | | 0.315 | J | 0.340 | J | 0.405 | J | | | MS |
| Copper | | | 0.604 | J | 0.694 | J | 0.788 | J | | | MS |
| Iron | | | 20.370 | J | 23.460 | J | 25.930 | J | | | MS |
| Lead | | | 0.309 | J | 0.307 | J | 0.392 | J | | | MS |
| Magnesium | | | 36.650 | J | 37.660 | J | 45.020 | J | | | MS |
| Manganese | | | 0.676 | J | 0.693 | J | 0.815 | J | | | MS |
| Nickel | | | 0.223 | J | 0.276 | J | 0.254 | J | | | MS |
| Potassium | | | 42.500 | J | 13.420 | J | 500.000 | U | | | MS |
| Selenium | | | 5.000 | U | 5.000 | U | 5.000 | U | | | MS |
| Silver | | | 0.415 | J | 0.375 | J | 0.493 | J | | | MS |
| Sodium | | | 140.900 | J | 95.680 | J | 83.210 | J | | | MS |
| Thallium | | | 0.412 | J | 0.401 | J | 0.473 | J | | | MS |
| Vanadium | | | 0.457 | J | 0.233 | J | 0.443 | J | | | MS |
| Zinc | | | 0.457 | J | 0.594 | J | 0.628 | J | | | MS |

# Metals

## 3-IN
## BLANKS

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.: _____  SDG No.: MF3T76

Preparation Blank Matrix (soil/water/wipe/filter): _____

Preparation Blank Concentration Units (ug/L, ug, or mg/kg): _____

| Analyte | Initial Calibration Blank(ug/L) | C | Continuing Calibration Blank (ug/L) 1 | C | 2 | C | 3 | C | Preparation Blank | C | M |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | | | 7.673 | J | 2.976 | J | | | | | MS |
| Antimony | | | 0.631 | J | 0.539 | J | | | | | MS |
| Arsenic | | | 0.376 | J | 0.188 | J | | | | | MS |
| Barium | | | 1.668 | J | 0.933 | J | | | | | MS |
| Beryllium | | | 0.327 | J | 0.111 | J | | | | | MS |
| Cadmium | | | 0.261 | J | 0.125 | J | | | | | MS |
| Calcium | | | 500.000 | U | -19.160 | J | | | | | MS |
| Chromium | | | 0.297 | J | 0.095 | J | | | | | MS |
| Cobalt | | | 0.341 | J | 0.161 | J | | | | | MS |
| Copper | | | 0.649 | J | 0.308 | J | | | | | MS |
| Iron | | | 24.910 | J | 19.420 | J | | | | | MS |
| Lead | | | 0.299 | J | 0.147 | J | | | | | MS |
| Magnesium | | | 42.740 | J | 20.600 | J | | | | | MS |
| Manganese | | | 0.659 | J | 0.308 | J | | | | | MS |
| Nickel | | | 0.197 | J | 1.000 | U | | | | | MS |
| Potassium | | | 18.070 | J | 11.930 | J | | | | | MS |
| Selenium | | | 5.000 | U | 5.000 | U | | | | | MS |
| Silver | | | 0.356 | J | 0.181 | J | | | | | MS |
| Sodium | | | 105.000 | J | 87.530 | J | | | | | MS |
| Thallium | | | 0.377 | J | 0.244 | J | | | | | MS |
| Vanadium | | | 0.513 | J | 0.350 | J | | | | | MS |
| Zinc | | | 0.397 | J | 2.000 | U | | | | | MS |

# Metals

## 4B-IN

## ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

ICP-MS Instrument ID: P6 ICS Source: MS8055

Concentration Units: ug/L

| Analyte | True Sol.A | True Sol.AB | Found Sol.A | Found %R | Found Sol. AB | Found %R |
|---|---|---|---|---|---|---|
| Antimony | 1.5 | 22.0 | 1.1 | 73 | 20.9 | 95 |
| Arsenic | 0.1 | 19.0 | 0.12 | 120 | 19.8 | 104 |
| Barium | 1.2 | 22.0 | 1.2 | 100 | 21.3 | 97 |
| Beryllium | 0.0 | 19.0 | 0.13 | 0 | 20.4 | 107 |
| Cadmium | 0.7 | 20.0 | 0.56 | 80 | 20.6 | 103 |
| Chromium | 21.0 | 40.0 | 19.7 | 94 | 39.0 | 98 |
| Cobalt | 1.0 | 20.0 | 1.1 | 110 | 20.7 | 104 |
| Copper | 8.0 | 25.0 | 7.9 | 99 | 27.3 | 109 |
| Lead | 4.0 | 25.0 | 4.3 | 108 | 24.8 | 99 |
| Manganese | 7.0 | 27.0 | 8.0 | 114 | 29.9 | 111 |
| Nickel | 6.0 | 24.0 | 5.9 | 98 | 25.6 | 107 |
| Selenium | 0.3 | 19.0 | -0.71 | -237 | 19.6 | 103 |
| Silver | 0.0 | 18.0 | 0.011 | 0 | 19.3 | 107 |
| Thallium | 0.0 | 21.0 | 0.029 | 0 | 20.3 | 97 |
| Vanadium | 0.5 | 19.0 | -0.85 | -170 | 18.8 | 99 |
| Zinc | 11.0 | 29.0 | 11.9 | 108 | 31.2 | 108 |

# Metals

## 4B-IN

## ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

ICP-MS Instrument ID: P6 ICS Source: MS8055

Concentration Units: ug/L

| Analyte | True Sol.A | True Sol.AB | Found Sol.A | Found %R | Found Sol. AB | Found %R |
|---|---|---|---|---|---|---|
| Aluminum | 100000.0 | 100000.0 | 100000 | 100 | 101000 | 101 |
| Calcium | 100000.0 | 100000.0 | 97500 | 98 | 98500 | 98 |
| Iron | 100000.0 | 100000.0 | 99900 | 100 | 100000 | 100 |
| Magnesium | 100000.0 | 100000.0 | 104000 | 104 | 105000 | 105 |
| Potassium | 100000.0 | 100000.0 | 102000 | 102 | 102000 | 102 |
| Sodium | 100000.0 | 100000.0 | 104000 | 104 | 105000 | 105 |

# Metals

## 5A-IN

## MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MF3TA5S

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

Matrix: WATER

% Solids for Sample:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | 75 - 125 | 95.6000 | | 0.1830 | J | 100.00 | 95 | | MS |
| Arsenic | 75 - 125 | 47.2300 | | 8.8560 | | 40.00 | 96 | | MS |
| Barium | 75 - 125 | 1939.0000 | | 34.7000 | | 2000.00 | 95 | | MS |
| Beryllium | 75 - 125 | 48.0700 | | 1.0000 | U | 50.00 | 96 | | MS |
| Cadmium | 75 - 125 | 48.5600 | | 1.0000 | U | 50.00 | 97 | | MS |
| Chromium | 75 - 125 | 208.0000 | | 26.0700 | | 200.00 | 91 | | MS |
| Cobalt | 75 - 125 | 467.2000 | | 1.1300 | | 500.00 | 93 | | MS |
| Copper | 75 - 125 | 258.0000 | | 24.4100 | | 250.00 | 93 | | MS |
| Lead | 75 - 125 | 21.1400 | | 1.5830 | | 20.00 | 98 | | MS |
| Manganese | 75 - 125 | 461.3000 | | 0.6120 | J | 500.00 | 92 | | MS |
| Nickel | 75 - 125 | 465.1000 | | 2.5100 | | 500.00 | 93 | | MS |
| Selenium | 75 - 125 | 20.3400 | | 11.1800 | | 10.00 | 92 | | MS |
| Silver | 75 - 125 | 45.9300 | | 0.1020 | J | 50.00 | 92 | | MS |
| Thallium | 75 - 125 | 47.3800 | | 0.1710 | J | 50.00 | 94 | | MS |
| Vanadium | 75 - 125 | 504.6000 | | 39.5600 | | 500.00 | 93 | | MS |
| Zinc | 75 - 125 | 456.4000 | | 4.8470 | | 500.00 | 90 | | MS |

Comments:

5B-IN

POST-DIGESTION SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ Mod. Ref. No.: _____ SDG No.: _____

Matrix: _____

Concentration Units: (ug/L or mg/Kg dry weight):

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

Comments:

# Metals

## 6-IN

## DUPLICATES

EPA SAMPLE NO.

MF3TA5D

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: _____ SDG No.: MF3T76

Matrix: WATER

% Solids for Sample: _____

Concentration Units:(ug/L or mg/kg dry weight): UG/L

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|---|---|---|---|---|---|---|---|---|
| Aluminum | | 2.9110 | J | 20.0000 | U | 0 | | MS |
| Antimony | | 0.1830 | J | 2.0000 | U | 0 | | MS |
| Arsenic | | 8.8560 | | 8.5350 | | 4 | | MS |
| Barium | 10.0000 | 34.7000 | | 32.5500 | | 6 | | MS |
| Beryllium | | 1.0000 | U | 1.0000 | U | | | MS |
| Cadmium | | 1.0000 | U | 1.0000 | U | | | MS |
| Calcium | | 157850.0000 | | 153725.0000 | | 3 | | MS |
| Chromium | | 26.0700 | | 25.3200 | | 3 | | MS |
| Cobalt | 1.0000 | 1.1300 | | 0.7740 | J | 37 | | MS |
| Copper | | 24.4100 | | 23.9300 | | 2 | | MS |
| Iron | 200.0000 | 480.4000 | | 468.4000 | | 3 | | MS |
| Lead | 1.0000 | 1.5830 | | 1.5180 | | 4 | | MS |
| Magnesium | | 31350.0000 | | 31180.0000 | | 1 | | MS |
| Manganese | | 0.6120 | J | 0.1820 | J | 108 | | MS |
| Nickel | 1.0000 | 2.5100 | | 1.9660 | | 24 | | MS |
| Potassium | | 5207.0000 | | 5212.0000 | | 0 | | MS |
| Selenium | 5.0000 | 11.1800 | | 11.6900 | | 4 | | MS |
| Silver | | 0.1020 | J | 1.0000 | U | 0 | | MS |
| Sodium | | 250500.0000 | | 244875.0000 | | 2 | | MS |
| Thallium | | 0.1710 | J | 1.0000 | U | 0 | | MS |
| Vanadium | | 39.5600 | | 39.3200 | | 1 | | MS |
| Zinc | 2.0000 | 4.8470 | | 4.0540 | | 18 | | MS |

7 - IN

LABORATORY CONTROL SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

| Analyte | Aqueous/Water (ug/L), Soil Sediment (mg/Kg), Wipe/Filter (ug) | | |
|---|---|---|---|
| | True | Found | %R |
| Aluminum | 40.00 | 42.01 | 105 |
| Antimony | 4.00 | 3.68 | 92 |
| Arsenic | 2.00 | 1.89 | 94 |
| Barium | 20.00 | 19.26 | 96 |
| Beryllium | 2.00 | 1.86 | 93 |
| Cadmium | 2.00 | 1.86 | 93 |
| Calcium | 1000.00 | 922.30 | 92 |
| Chromium | 4.00 | 4.00 | 100 |
| Cobalt | 2.00 | 1.96 | 98 |
| Copper | 4.00 | 4.00 | 100 |
| Iron | 400.00 | 391.10 | 98 |
| Lead | 2.00 | 1.90 | 95 |
| Magnesium | 1000.00 | 1025.00 | 102 |
| Manganese | 2.00 | 1.90 | 95 |
| Nickel | 2.00 | 1.98 | 99 |
| Potassium | 1000.00 | 996.40 | 100 |
| Selenium | 10.00 | 9.64 | 96 |
| Silver | 2.00 | 1.97 | 98 |
| Sodium | 1000.00 | 986.40 | 99 |
| Thallium | 2.00 | 1.92 | 96 |
| Vanadium | 10.00 | 10.18 | 102 |
| Zinc | 4.00 | 3.65 | 91 |

7 - IN

LABORATORY CONTROL SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

| Analyte | Aqueous/Water (ug/L), Soil Sediment (mg/Kg), Wipe/Filter (ug) | | |
|---|---|---|---|
| | True | Found | %R |
| Aluminum | 40.00 | 42.65 | 107 |
| Antimony | 4.00 | 3.79 | 95 |
| Arsenic | 2.00 | 1.68 | 84 |
| Barium | 20.00 | 19.27 | 96 |
| Beryllium | 2.00 | 1.82 | 91 |
| Cadmium | 2.00 | 1.87 | 94 |
| Calcium | 1000.00 | 939.60 | 94 |
| Chromium | 4.00 | 4.06 | 102 |
| Cobalt | 2.00 | 1.98 | 99 |
| Copper | 4.00 | 3.92 | 98 |
| Iron | 400.00 | 398.20 | 100 |
| Lead | 2.00 | 1.89 | 94 |
| Magnesium | 1000.00 | 1043.00 | 104 |
| Manganese | 2.00 | 1.91 | 96 |
| Nickel | 2.00 | 1.95 | 98 |
| Potassium | 1000.00 | 1011.00 | 101 |
| Selenium | 10.00 | 9.28 | 93 |
| Silver | 2.00 | 2.05 | 102 |
| Sodium | 1000.00 | 1009.00 | 101 |
| Thallium | 2.00 | 1.94 | 97 |
| Vanadium | 10.00 | 9.80 | 98 |
| Zinc | 4.00 | 3.86 | 96 |

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

MF3TA5L

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

Matrix: WATER

Concentration Units (ug/L or mg/kg dry weight): ug/L

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | M |
|---|---|---|---|---|---|---|---|
| Aluminum | 2.91 | J | 32.32 | J | 1011 | | MS |
| Antimony | 0.18 | J | 1.27 | J | 606 | | MS |
| Arsenic | 8.86 | | 8.04 | | 9 | | MS |
| Barium | 34.70 | | 37.22 | J | 7 | | MS |
| Beryllium | 1.00 | U | 1.01 | J | | | MS |
| Cadmium | 1.00 | U | 1.07 | J | | | MS |
| Calcium | 155900.00 | | 157000.00 | | 1 | | MS |
| Chromium | 26.07 | | 27.61 | | 6 | | MS |
| Cobalt | 1.13 | | 1.64 | J | 45 | | MS |
| Copper | 24.41 | | 27.70 | | 13 | E | MS |
| Iron | 480.40 | | 585.50 | J | 22 | E | MS |
| Lead | 1.58 | | 2.93 | J | 85 | | MS |
| Magnesium | 31350.00 | | 33070.00 | | 5 | | MS |
| Manganese | 0.61 | J | 1.98 | J | 225 | | MS |
| Nickel | 2.51 | | 3.19 | J | 27 | | MS |
| Potassium | 5207.00 | | 5280.00 | | 1 | | MS |
| Selenium | 11.18 | | 8.77 | J | 22 | | MS |
| Silver | 0.10 | J | 0.97 | J | 870 | | MS |
| Sodium | 233100.00 | | 241000.00 | | 3 | | MS |
| Thallium | 0.17 | J | 1.23 | J | 624 | | MS |
| Vanadium | 39.56 | | 42.46 | | 7 | | MS |
| Zinc | 4.85 | | 6.72 | J | 39 | | MS |

# Metals

## 9-IN
## METHOD DETECTION LIMITS (MDL) (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: _____ SDG No.: MF3T76

Instrument Type: MS Instrument ID: P6 Date: 01/11/2011

Preparation Method: 200.8

Concentration Units (ug/L, mg/kg, or ug): UG/L

| Analyte | Wavelength/Mass | MDL |
|---|---|---|
| Aluminum | 27.00 | 1.20 |
| Antimony | 121.00 | 0.17 |
| Arsenic | 75.00 | 0.14 |
| Barium | 137.00 | 0.29 |
| Beryllium | 9.00 | 0.06 |
| Cadmium | 111.00 | 0.11 |
| Calcium | 44.00 | 6.30 |
| Chromium | 52.00 | 0.08 |
| Cobalt | 59.00 | 0.05 |
| Copper | 63.00 | 0.10 |
| Iron | 57.00 | 6.60 |
| Lead | 208.00 | 0.05 |
| Magnesium | 24.00 | 5.50 |
| Manganese | 55.00 | 0.15 |
| Nickel | 60.00 | 0.15 |
| Potassium | 39.00 | 8.00 |
| Selenium | 82.00 | 0.63 |
| Silver | 107.00 | 0.07 |
| Sodium | 23.00 | 5.70 |
| Thallium | 205.00 | 0.07 |
| Vanadium | 51.00 | 0.11 |
| Zinc | 66.00 | 0.24 |

Comments: _____

# Metals

## 11-IN
## INTERNAL STANDARD ASSOCIATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: _____ SDG No.: MF3T76

ICP-MS Instrument ID: P6 Date: 05/01/11

| Analyte | Assoc. Internal Standard 1 | Assoc. Internal Standard 2 |
|---|---|---|
| Aluminum | 6Li | 45Sc |
| Antimony | 103Rh | 159Tb |
| Arsenic | 45Sc | 103Rh |
| Barium | 103Rh | 159Tb |
| Beryllium | 6Li | 45Sc |
| Cadmium | 103Rh | 159Tb |
| Calcium | 6Li | 45Sc |
| Chromium | 45Sc | 103Rh |
| Cobalt | 45Sc | 103Rh |
| Copper | 45Sc | 103Rh |
| Iron | 45Sc | 103Rh |
| Lead | 165Ho | 209Bi |
| Magnesium | 6Li | 45Sc |
| Manganese | 45Sc | 103Rh |
| Nickel | 45Sc | 103Rh |
| Potassium | 6Li | 45Sc |
| Selenium | 45Sc | 103Rh |
| Silver | 103Rh | 159Tb |
| Sodium | 6Li | 45Sc |
| Thallium | 165Ho | 209Bi |
| Vanadium | 45Sc | 103Rh |
| Zinc | 45Sc | 103Rh |

# Metals

## 12-IN

## PREPARATION LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

Preparation Method: 200.8

| EPA Sample No. | Preparation Date | Initial Weight/Volume (g) or (mL) | Final Volume (mL) |
|---|---|---|---|
| PBW | 04/15/2011 | 50.00 | 50 |
| LCS | 04/15/2011 | 50.00 | 50 |
| MF3T76 | 04/15/2011 | 50.00 | 50 |
| MF3T79 | 04/15/2011 | 50.00 | 50 |
| MF3T92 | 04/15/2011 | 50.00 | 50 |
| MF3TA5S | 04/15/2011 | 50.00 | 50 |
| MF3TA5 | 04/15/2011 | 50.00 | 50 |
| MF3TA5D | 04/15/2011 | 50.00 | 50 |
| MF3TA6 | 04/15/2011 | 50.00 | 50 |
| MF3TC4 | 04/15/2011 | 50.00 | 50 |
| MF3TD2 | 04/15/2011 | 50.00 | 50 |
| MF3TD1 | 04/15/2011 | 50.00 | 50 |
| MF3TD8 | 04/15/2011 | 50.00 | 50 |
| MF3TE0 | 04/15/2011 | 50.00 | 50 |

# Metals

## 12-IN

## PREPARATION LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

Preparation Method: 200.8

| EPA Sample No. | Preparation Date | Initial Weight/Volume (g) or (mL) | Final Volume (mL) |
|---|---|---|---|
| PBW | 04/20/2011 | 50.00 | 50 |
| LCS | 04/20/2011 | 50.00 | 50 |
| MF3T97 | 04/20/2011 | 50.00 | 50 |
| MF3T99 | 04/20/2011 | 50.00 | 50 |
| MF3TA0 | 04/20/2011 | 50.00 | 50 |
| MF3TA1 | 04/20/2011 | 50.00 | 50 |
| MF3TA3 | 04/20/2011 | 50.00 | 50 |
| MF3TE6 | 04/20/2011 | 50.00 | 50 |
| MF3TE9 | 04/20/2011 | 50.00 | 50 |
| MF3TF0 | 04/20/2011 | 50.00 | 50 |

# Metals

## 13-IN

## ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Instrument ID: P6  Analysis Method: MS

Start Date: 05/01/2011  End Date: 05/02/2011

| EPA Sample NO. | D/F | Time | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AL | SB | AS | BA | BE | CD | CA | CR | CO | CU | FE | PB | MG | MN | HG | NI | K | SE | AG | NA | TL | V | ZN | CN | | |
| TUNE | 1.0 | 2308 | | | | | X | | | | X | | | X | X | | | | | | | | | | | | | |
| S0 | 1.0 | 0150 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| S | 1.0 | 0158 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| S | 1.0 | 0206 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| S | 1.0 | 0214 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| S | 1.0 | 0222 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| S | 1.0 | 0229 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ICV | 1.0 | 0237 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ICB | 1.0 | 0245 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ICSA | 1.0 | 0335 | | X | X | X | X | X | | X | X | X | | X | | X | | X | | X | X | | X | X | X | | | |
| ICSAB | 1.0 | 0343 | | X | X | X | X | X | | X | X | X | | X | | X | | X | | X | X | | X | X | X | | | |
| ICSA | 10 | 0351 | X | | | | | | X | | | | X | | X | | | | X | | | X | | | | | | |
| ICSAB | 10 | 0359 | X | | | | | | X | | | | X | | X | | | | X | | | X | | | | | | |
| CCV | 1.0 | 0407 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 0415 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 0422 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 0430 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PBW | 1.0 | 0438 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| PBW | 1.0 | 0446 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 0454 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LCS | 1.0 | 0502 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| LCS | 1.0 | 0510 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 0518 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 0526 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 0534 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.0 | 0541 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 0549 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 0557 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 0605 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 0613 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 0621 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 0629 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0637 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0645 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0653 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0700 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0708 | | | | | | | | | | | | | | | | | | | | | | | | | | |

# Metals

## 13-IN

## ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Instrument ID: P6  Analysis Method: MS

Start Date: 05/01/2011  End Date: 05/02/2011

| EPA Sample NO. | D/F | Time | Analytes | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AL | SB | AS | BA | BE | CD | CA | CR | CO | CU | FE | PB | MG | MN | HG | NI | K | SE | AG | NA | TL | V | ZN | CN | | |
| CCV | 1.0 | 0716 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 0724 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 0732 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 0740 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 0748 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 0756 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 0804 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0812 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0820 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0827 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0835 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0843 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.0 | 0851 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 0859 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 0907 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 0915 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 0923 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 0931 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 0939 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0947 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0955 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 1002 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 1010 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 1018 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.0 | 1026 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1034 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 1042 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1050 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1058 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1106 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.0 | 1114 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 1122 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 1130 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 1137 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 1145 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 125 | 1153 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.0 | 1201 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |

# Metals

## 13-IN

## ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Instrument ID: P6  Analysis Method: MS

Start Date: 05/01/2011  End Date: 05/02/2011

| EPA Sample NO. | D/F | Time | Analytes | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AL | SB | AS | BA | BE | CD | CA | CR | CO | CU | FE | PB | MG | MN | HG | NI | K | SE | AG | NA | TL | V | ZN | CN | | |
| CCB | 1.0 | 1209 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 1217 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 1225 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1233 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 1241 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 1249 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 1257 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MF3T76 | 1.0 | 1305 | X | X | X | X | X | X | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | | | |
| MF3T79 | 1.0 | 1313 | X | X | X | X | X | X | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | | | |
| MF3T76 | 25 | 1321 | | | | | | | X | | | | | | | | | | | | | X | | | | | | |
| MF3T79 | 25 | 1329 | | | | | | | X | | | | | | | | | | | | | X | | | | | | |
| CCV | 1.0 | 1337 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1345 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MF3T92 | 1.0 | 1352 | X | X | X | X | X | X | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | | | |
| MF3TA5S | 1.0 | 1400 | | X | X | X | X | X | | X | X | X | | X | | X | | X | | X | X | | X | X | X | | | |
| MF3TA5 | 1.0 | 1408 | X | X | X | X | X | X | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | | | |
| MF3TA5D | 1.0 | 1416 | X | X | X | X | X | X | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | | | |
| ZZZZZZ | 1.0 | 1424 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MF3T92 | 25 | 1432 | | | | | | | X | | | | | | | | | | | | | X | | | | | | |
| MF3TA5S | 25 | 1440 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MF3TA5 | 25 | 1448 | | | | | | | X | | | | | | | | | | | | | X | | | | | | |
| MF3TA5D | 25 | 1456 | | | | | | | X | | | | | | | | | | | | | X | | | | | | |
| ZZZZZZ | 1.0 | 1504 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.0 | 1512 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1520 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MF3TA6 | 1.0 | 1528 | X | X | X | X | X | X | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | | | |
| MF3TC4 | 1.0 | 1536 | X | X | X | X | X | X | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | | | |
| MF3TD2 | 1.0 | 1544 | X | X | X | X | X | X | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | | | |
| MF3TD1 | 1.0 | 1552 | X | X | X | X | X | X | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | | | |
| MF3TD8 | 1.0 | 1600 | X | X | X | X | X | X | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | | | |
| MF3TA6 | 25 | 1608 | | | | | | | X | | | | | | | | | | | | | X | | | | | | |
| MF3TC4 | 25 | 1616 | | | | | | | X | | | | | | | | | | | | | X | | | | | | |
| MF3TD2 | 25 | 1624 | | | | | | | X | | | | | | | | | | | | | X | | | | | | |
| MF3TD1 | 25 | 1631 | | | | | | | X | | | | | | | | | | | | | X | | | | | | |
| MF3TD8 | 25 | 1639 | | | | | | | X | | | | | | | | | | | | | X | | | | | | |
| CCV | 1.0 | 1647 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1655 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |

# Metals

## 13-IN

## ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Instrument ID: P6  Analysis Method: MS

Start Date: 05/01/2011  End Date: 05/02/2011

| EPA Sample NO. | D/F | Time | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AL | SB | AS | BA | BE | CD | CA | CR | CO | CU | FE | PB | MG | MN | HG | NI | K | SE | AG | NA | TL | V | ZN | CN | | |
| MF3TE0 | 1.0 | 1703 | X | X | X | X | X | X | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | | | |
| MF3T97 | 1.0 | 1711 | X | X | X | X | X | X | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | | | |
| MF3T99 | 1.0 | 1719 | X | X | X | X | X | X | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | | | |
| MF3TA0 | 1.0 | 1727 | X | X | X | X | X | X | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | | | |
| MF3TA1 | 1.0 | 1735 | X | X | X | X | X | X | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | | | |
| MF3TE0 | 25 | 1743 | | | | | | | X | | | | | | | | | | | | | X | | | | | | |
| MF3T97 | 25 | 1751 | | | | | | | X | | | | | | | | | | | | | X | | | | | | |
| MF3T99 | 25 | 1759 | | | | | | | X | | | | | | | | | | | | | X | | | | | | |
| MF3TA0 | 25 | 1807 | | | | | | | X | | | | | | | | | | | | | X | | | | | | |
| MF3TA1 | 25 | 1815 | | | | | | | X | | | | | | | | | | | | | X | | | | | | |
| CCV | 1.0 | 1823 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1831 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MF3TA3 | 1.0 | 1839 | X | X | X | X | X | X | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | | | |
| MF3TE6 | 1.0 | 1847 | X | X | X | X | X | X | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | | | |
| MF3TE9 | 1.0 | 1855 | X | X | X | X | X | X | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | | | |
| MF3TF0 | 1.0 | 1903 | X | X | X | X | X | X | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | | | |
| MF3TA3 | 25 | 1911 | | | | | | | X | | | | | | | | | | | | | X | | | | | | |
| MF3TE6 | 25 | 1919 | | | | | | | X | | | | | | | | | | | | | X | | | | | | |
| MF3TE9 | 25 | 1927 | | | | | | | X | | | | | | | | | | | | | X | | | | | | |
| MF3TF0 | 25 | 1935 | | | | | | | X | | | | | | | | | | | | | X | | | | | | |
| ZZZZZZ | 1.0 | 1943 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 1951 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.0 | 1959 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 2007 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 2015 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 2023 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 2031 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.0 | 2039 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 2047 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 2055 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 2103 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 2111 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 125 | 2119 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 2127 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.0 | 2134 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 2142 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 2150 | | | | | | | | | | | | | | | | | | | | | | | | | | |

# Metals

## 13-IN

## ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Instrument ID: P6  Analysis Method: MS

Start Date: 05/01/2011  End Date: 05/02/2011

| EPA Sample NO. | D/F | Time | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AL | SB | AS | BA | BE | CD | CA | CR | CO | CU | FE | PB | MG | MN | HG | NI | K | SE | AG | NA | TL | V | ZN | CN | | |
| ZZZZZZ | 1.0 | 2158 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 2206 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 2214 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 2222 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 2230 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 2238 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 2246 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 2254 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 2302 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.0 | 2310 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 2318 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 2326 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 2334 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 2342 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 2350 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 2358 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0006 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0014 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0022 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0030 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0038 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.0 | 0046 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 0054 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.0 | 0102 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 0110 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 0118 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 0126 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.0 | 0134 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0142 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0150 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0158 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0206 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 25 | 0214 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.0 | 0222 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 0230 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCV | 1.0 | 1609 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1617 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |

# Metals

## 13-IN

## ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: SDG No.: MF3T76

Instrument ID: P6 Analysis Method: MS

Start Date: 05/01/2011 End Date: 05/02/2011

| EPA Sample NO. | D/F | Time | Analytes | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AL | SB | AS | BA | BE | CD | CA | CR | CO | CU | FE | PB | MG | MN | HG | NI | K | SE | AG | NA | TL | V | ZN | CN | | |
| MF3TA5L | 5.0 | 1625 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| MF3TA5L | 125 | 1633 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.0 | 1641 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| CCB | 1.0 | 1648 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |

# Metals

## 14 - IN

## ICP-MS Tune

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41214 Mod. Ref. No.: _____ SDG No.: MF3T76

ICP-MS Instrument ID: P6 Date: 04/30/2011

| Element - Mass | Avg. Measured Mass (amu) | Average Peak Width (amu) | %Height | %RSD |
|---|---|---|---|---|
| Be_9 | 9.01 | 0.77 | 5.0 | 1.266 |
| Mg_24 | 23.99 | 0.77 | 5.0 | 0.509 |
| Mg_25 | 24.99 | 0.77 | 5.0 | 0.745 |
| Mg_26 | 25.98 | 0.77 | 5.0 | 1.100 |
| Co_59 | 58.93 | 0.77 | 5.0 | 0.552 |
| In_113 | 112.90 | 0.77 | 5.0 | 0.758 |
| In_115 | 114.90 | 0.77 | 5.0 | 0.652 |
| Ce_140 | 139.91 | 0.77 | 5.0 | 0.624 |
| Pb_206 | 205.97 | 0.77 | 5.0 | 0.515 |
| Pb_207 | 206.98 | 0.77 | 5.0 | 0.478 |
| Pb_208 | 207.98 | 0.77 | 5.0 | 0.461 |

Comments:

# Metals

## 15-IN

## ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG NO.: MF3T76

ICP-MS Instrument ID: P6  Start Date: 05/01/2011  End Date: 05/02/2011

| EPA Sample No. | Time | Internal Standards %RI For: | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Element 209Bi | Q | Element 159Tb | Q | Element 45Sc | Q | Element 6Li | Q | Element 103Rh | Q |
| S0 | 0150 | 100 | | 100 | | 100 | | 100 | | 100 | |
| S | 0158 | 99 | | 99 | | 98 | | 100 | | 99 | |
| S | 0206 | 96 | | 96 | | 92 | | 94 | | 92 | |
| S | 0214 | 97 | | 97 | | 91 | | 90 | | 92 | |
| S | 0222 | 91 | | 93 | | 88 | | 88 | | 87 | |
| S | 0229 | 87 | | 91 | | 85 | | 85 | | 84 | |
| ICV | 0237 | 92 | | 91 | | 87 | | 88 | | 88 | |
| ICB | 0245 | 94 | | 93 | | 90 | | 92 | | 92 | |
| ICSA | 0335 | 85 | | 88 | | 78 | | 74 | | 79 | |
| ICSAB | 0343 | 85 | | 87 | | 78 | | 74 | | 79 | |
| ICSA | 0351 | 89 | | 89 | | 82 | | 77 | | 85 | |
| ICSAB | 0359 | 89 | | 88 | | 81 | | 74 | | 83 | |
| CCV | 0407 | 89 | | 89 | | 83 | | 78 | | 84 | |
| CCB | 0415 | 95 | | 92 | | 85 | | 79 | | 89 | |
| ZZZZZZ | 0422 | | | | | | | | | | |
| ZZZZZZ | 0430 | | | | | | | | | | |
| PBW | 0438 | 92 | | 90 | | 85 | | 79 | | 87 | |
| PBW | 0446 | 92 | | 90 | | 84 | | 79 | | 88 | |
| ZZZZZZ | 0454 | | | | | | | | | | |
| LCS | 0502 | 93 | | 91 | | 85 | | 80 | | 88 | |
| LCS | 0510 | 93 | | 91 | | 85 | | 78 | | 88 | |
| ZZZZZZ | 0518 | | | | | | | | | | |
| ZZZZZZ | 0526 | | | | | | | | | | |
| ZZZZZZ | 0534 | | | | | | | | | | |
| CCV | 0541 | 89 | | 89 | | 81 | | 75 | | 83 | |
| CCB | 0549 | 92 | | 89 | | 82 | | 77 | | 87 | |
| ZZZZZZ | 0557 | | | | | | | | | | |
| ZZZZZZ | 0605 | | | | | | | | | | |
| ZZZZZZ | 0613 | | | | | | | | | | |
| ZZZZZZ | 0621 | | | | | | | | | | |
| ZZZZZZ | 0629 | | | | | | | | | | |
| ZZZZZZ | 0637 | | | | | | | | | | |
| ZZZZZZ | 0645 | | | | | | | | | | |
| ZZZZZZ | 0653 | | | | | | | | | | |
| ZZZZZZ | 0700 | | | | | | | | | | |
| ZZZZZZ | 0708 | | | | | | | | | | |
| CCV | 0716 | 90 | | 91 | | 83 | | 80 | | 84 | |
| CCB | 0724 | 94 | | 92 | | 86 | | 83 | | 89 | |
| ZZZZZZ | 0732 | | | | | | | | | | |
| ZZZZZZ | 0740 | | | | | | | | | | |
| ZZZZZZ | 0748 | | | | | | | | | | |
| ZZZZZZ | 0756 | | | | | | | | | | |
| ZZZZZZ | 0804 | | | | | | | | | | |
| ZZZZZZ | 0812 | | | | | | | | | | |
| ZZZZZZ | 0820 | | | | | | | | | | |

# Metals

## 15-IN

## ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG NO.: MF3T76

ICP-MS Instrument ID: P6  Start Date: 05/01/2011  End Date: 05/02/2011

| EPA Sample No. | Time | Internal Standards %RI For: | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Element 209Bi | Q | Element 159Tb | Q | Element 45Sc | Q | Element 6Li | Q | Element 103Rh | Q |
| ZZZZZZ | 0827 | | | | | | | | | | |
| ZZZZZZ | 0835 | | | | | | | | | | |
| ZZZZZZ | 0843 | | | | | | | | | | |
| CCV | 0851 | 90 | | 91 | | 85 | | 84 | | 85 | |
| CCB | 0859 | 94 | | 92 | | 88 | | 87 | | 89 | |
| ZZZZZZ | 0907 | | | | | | | | | | |
| ZZZZZZ | 0915 | | | | | | | | | | |
| ZZZZZZ | 0923 | | | | | | | | | | |
| ZZZZZZ | 0931 | | | | | | | | | | |
| ZZZZZZ | 0939 | | | | | | | | | | |
| ZZZZZZ | 0947 | | | | | | | | | | |
| ZZZZZZ | 0955 | | | | | | | | | | |
| ZZZZZZ | 1002 | | | | | | | | | | |
| ZZZZZZ | 1010 | | | | | | | | | | |
| ZZZZZZ | 1018 | | | | | | | | | | |
| CCV | 1026 | 91 | | 91 | | 86 | | 86 | | 86 | |
| CCB | 1034 | 94 | | 92 | | 90 | | 91 | | 90 | |
| ZZZZZZ | 1042 | | | | | | | | | | |
| ZZZZZZ | 1050 | | | | | | | | | | |
| ZZZZZZ | 1058 | | | | | | | | | | |
| ZZZZZZ | 1106 | | | | | | | | | | |
| ZZZZZZ | 1114 | | | | | | | | | | |
| ZZZZZZ | 1122 | | | | | | | | | | |
| ZZZZZZ | 1130 | | | | | | | | | | |
| ZZZZZZ | 1137 | | | | | | | | | | |
| ZZZZZZ | 1145 | | | | | | | | | | |
| ZZZZZZ | 1153 | | | | | | | | | | |
| CCV | 1201 | 94 | | 94 | | 89 | | 88 | | 89 | |
| CCB | 1209 | 94 | | 92 | | 91 | | 94 | | 91 | |
| ZZZZZZ | 1217 | | | | | | | | | | |
| ZZZZZZ | 1225 | | | | | | | | | | |
| ZZZZZZ | 1233 | | | | | | | | | | |
| ZZZZZZ | 1241 | | | | | | | | | | |
| ZZZZZZ | 1249 | | | | | | | | | | |
| ZZZZZZ | 1257 | | | | | | | | | | |
| MF3T76 | 1305 | 84 | | 87 | | 94 | | 91 | | 79 | |
| MF3T79 | 1313 | 89 | | 92 | | 101 | | 96 | | 84 | |
| MF3T76 | 1321 | 99 | | 99 | | 103 | | 104 | | 100 | |
| MF3T79 | 1329 | 99 | | 99 | | 102 | | 103 | | 99 | |
| CCV | 1337 | 89 | | 90 | | 87 | | 88 | | 86 | |
| CCB | 1345 | 92 | | 90 | | 92 | | 94 | | 90 | |
| MF3T92 | 1352 | 85 | | 88 | | 97 | | 92 | | 80 | |
| MF3TA5S | 1400 | 85 | | 88 | | 90 | | 92 | | 82 | |
| MF3TA5 | 1408 | 88 | | 91 | | 89 | | 90 | | 83 | |
| MF3TA5D | 1416 | 89 | | 91 | | 89 | | 89 | | 84 | |

# Metals

## 15-IN

## ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG NO.: MF3T76

ICP-MS Instrument ID: P6  Start Date: 05/01/2011  End Date: 05/02/2011

| EPA Sample No. | Time | Internal Standards %RI For: | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Element 209Bi | Q | Element 159Tb | Q | Element 45Sc | Q | Element 6Li | Q | Element 103Rh | Q |
| ZZZZZZ | 1424 | | | | | | | | | | |
| MF3T92 | 1432 | 94 | | 93 | | 93 | | 95 | | 92 | |
| MF3TA5S | 1440 | 95 | | 93 | | 91 | | 90 | | 92 | |
| MF3TA5 | 1448 | 95 | | 93 | | 91 | | 89 | | 91 | |
| MF3TA5D | 1456 | 95 | | 93 | | 91 | | 91 | | 91 | |
| ZZZZZZ | 1504 | | | | | | | | | | |
| CCV | 1512 | 88 | | 88 | | 82 | | 80 | | 82 | |
| CCB | 1520 | 93 | | 90 | | 85 | | 84 | | 87 | |
| MF3TA6 | 1528 | 87 | | 88 | | 84 | | 83 | | 80 | |
| MF3TC4 | 1536 | 87 | | 89 | | 97 | | 103 | | 82 | |
| MF3TD2 | 1544 | 79 | | 83 | | 94 | | 87 | | 76 | |
| MF3TD1 | 1552 | 80 | | 85 | | 97 | | 99 | | 77 | |
| MF3TD8 | 1600 | 88 | | 91 | | 90 | | 93 | | 84 | |
| MF3TA6 | 1608 | 94 | | 94 | | 96 | | 97 | | 94 | |
| MF3TC4 | 1616 | 94 | | 94 | | 94 | | 95 | | 93 | |
| MF3TD2 | 1624 | 94 | | 93 | | 92 | | 92 | | 91 | |
| MF3TD1 | 1631 | 91 | | 91 | | 92 | | 94 | | 90 | |
| MF3TD8 | 1639 | 94 | | 93 | | 93 | | 95 | | 93 | |
| CCV | 1647 | 88 | | 88 | | 84 | | 84 | | 82 | |
| CCB | 1655 | 93 | | 91 | | 88 | | 86 | | 88 | |
| MF3TE0 | 1703 | 83 | | 86 | | 98 | | 94 | | 80 | |
| MF3T97 | 1711 | 84 | | 87 | | 99 | | 96 | | 80 | |
| MF3T99 | 1719 | 83 | | 86 | | 95 | | 91 | | 78 | |
| MF3TA0 | 1727 | 84 | | 86 | | 87 | | 91 | | 80 | |
| MF3TA1 | 1735 | 84 | | 86 | | 85 | | 89 | | 79 | |
| MF3TE0 | 1743 | 99 | | 98 | | 100 | | 101 | | 98 | |
| MF3T97 | 1751 | 93 | | 93 | | 97 | | 101 | | 93 | |
| MF3T99 | 1759 | 94 | | 94 | | 97 | | 100 | | 94 | |
| MF3TA0 | 1807 | 94 | | 93 | | 92 | | 95 | | 92 | |
| MF3TA1 | 1815 | 91 | | 89 | | 91 | | 94 | | 89 | |
| CCV | 1823 | 83 | | 83 | | 81 | | 82 | | 79 | |
| CCB | 1831 | 88 | | 87 | | 83 | | 85 | | 84 | |
| MF3TA3 | 1839 | 78 | | 81 | | 81 | | 84 | | 75 | |
| MF3TE6 | 1847 | 80 | | 84 | | 97 | | 92 | | 77 | |
| MF3TE9 | 1855 | 84 | | 86 | | 86 | | 91 | | 78 | |
| MF3TF0 | 1903 | 83 | | 86 | | 101 | | 102 | | 81 | |
| MF3TA3 | 1911 | 96 | | 96 | | 99 | | 103 | | 97 | |
| MF3TE6 | 1919 | 96 | | 96 | | 98 | | 101 | | 96 | |
| MF3TE9 | 1927 | 94 | | 93 | | 96 | | 100 | | 94 | |
| MF3TF0 | 1935 | 94 | | 93 | | 96 | | 98 | | 93 | |
| ZZZZZZ | 1943 | | | | | | | | | | |
| ZZZZZZ | 1951 | | | | | | | | | | |
| CCV | 1959 | 86 | | 85 | | 83 | | 84 | | 80 | |
| CCB | 2007 | 87 | | 86 | | 85 | | 87 | | 84 | |
| ZZZZZZ | 2015 | | | | | | | | | | |

# Metals

## 15-IN

## ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG NO.: MF3T76

ICP-MS Instrument ID: P6  Start Date: 05/01/2011  End Date: 05/02/2011

| EPA Sample No. | Time | Internal Standards %RI For: | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Element 209Bi | Q | Element 159Tb | Q | Element 45Sc | Q | Element 6Li | Q | Element 103Rh | Q |
| ZZZZZZ | 2023 | | | | | | | | | | |
| ZZZZZZ | 2031 | | | | | | | | | | |
| ZZZZZZ | 2039 | | | | | | | | | | |
| ZZZZZZ | 2047 | | | | | | | | | | |
| ZZZZZZ | 2055 | | | | | | | | | | |
| ZZZZZZ | 2103 | | | | | | | | | | |
| ZZZZZZ | 2111 | | | | | | | | | | |
| ZZZZZZ | 2119 | | | | | | | | | | |
| ZZZZZZ | 2127 | | | | | | | | | | |
| CCV | 2134 | 83 | | 83 | | 79 | | 78 | | 77 | |
| CCB | 2142 | 87 | | 84 | | 83 | | 86 | | 82 | |
| ZZZZZZ | 2150 | | | | | | | | | | |
| ZZZZZZ | 2158 | | | | | | | | | | |
| ZZZZZZ | 2206 | | | | | | | | | | |
| ZZZZZZ | 2214 | | | | | | | | | | |
| ZZZZZZ | 2222 | | | | | | | | | | |
| ZZZZZZ | 2230 | | | | | | | | | | |
| ZZZZZZ | 2238 | | | | | | | | | | |
| ZZZZZZ | 2246 | | | | | | | | | | |
| ZZZZZZ | 2254 | | | | | | | | | | |
| ZZZZZZ | 2302 | | | | | | | | | | |
| CCV | 2310 | 80 | | 79 | | 74 | | 71 | | 73 | |
| CCB | 2318 | 81 | | 78 | | 73 | | 73 | | 75 | |
| ZZZZZZ | 2326 | | | | | | | | | | |
| ZZZZZZ | 2334 | | | | | | | | | | |
| ZZZZZZ | 2342 | | | | | | | | | | |
| ZZZZZZ | 2350 | | | | | | | | | | |
| ZZZZZZ | 2358 | | | | | | | | | | |
| ZZZZZZ | 0006 | | | | | | | | | | |
| ZZZZZZ | 0014 | | | | | | | | | | |
| ZZZZZZ | 0022 | | | | | | | | | | |
| ZZZZZZ | 0030 | | | | | | | | | | |
| ZZZZZZ | 0038 | | | | | | | | | | |
| CCV | 0046 | 78 | | 78 | | 74 | | 75 | | 73 | |
| CCB | 0054 | 81 | | 79 | | 76 | | 78 | | 76 | |
| ZZZZZZ | 0102 | | | | | | | | | | |
| ZZZZZZ | 0110 | | | | | | | | | | |
| ZZZZZZ | 0118 | | | | | | | | | | |
| ZZZZZZ | 0126 | | | | | | | | | | |
| ZZZZZZ | 0134 | | | | | | | | | | |
| ZZZZZZ | 0142 | | | | | | | | | | |
| ZZZZZZ | 0150 | | | | | | | | | | |
| ZZZZZZ | 0158 | | | | | | | | | | |
| ZZZZZZ | 0206 | | | | | | | | | | |
| ZZZZZZ | 0214 | | | | | | | | | | |

# Metals

## 15-IN

## ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG NO.: MF3T76

ICP-MS Instrument ID: P6  Start Date: 05/01/2011  End Date: 05/02/2011

| EPA Sample No. | Time | Internal Standards %RI For: | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Element 209Bi | Q | Element 159Tb | Q | Element 45Sc | Q | Element 6Li | Q | Element 103Rh | Q |
| CCV | 0222 | 79 | | 80 | | 78 | | 79 | | 75 | |
| CCB | 0230 | 82 | | 80 | | 79 | | 83 | | 78 | |
| CCV | 1609 | 77 | | 76 | | 70 | | 74 | | 69 | |
| CCB | 1617 | 81 | | 78 | | 75 | | 79 | | 74 | |
| MF3TA5L | 1625 | 79 | | 77 | | 74 | | 78 | | 72 | |
| MF3TA5L | 1633 | 83 | | 81 | | 79 | | 82 | | 78 | |
| CCV | 1641 | 78 | | 77 | | 73 | | 76 | | 70 | |
| CCB | 1648 | 81 | | 78 | | 75 | | 79 | | 74 | |

# Metals

## 15-IN

## ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG NO.: MF3T76

ICP-MS Instrument ID: P6  Start Date: 05/01/2011  End Date: 05/02/2011

| EPA Sample No. | Time | Internal Standards %RI For: | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Element 165Ho | Q | Element 159Tb | Q | Element 45Sc | Q | Element 6Li | Q | Element 103Rh | Q |
| S0 | 0150 | 100 | | | | | | | | | |
| S | 0158 | 99 | | | | | | | | | |
| S | 0206 | 96 | | | | | | | | | |
| S | 0214 | 98 | | | | | | | | | |
| S | 0222 | 94 | | | | | | | | | |
| S | 0229 | 91 | | | | | | | | | |
| ICV | 0237 | 91 | | | | | | | | | |
| ICB | 0245 | 93 | | | | | | | | | |
| ICSA | 0335 | 88 | | | | | | | | | |
| ICSAB | 0343 | 88 | | | | | | | | | |
| ICSA | 0351 | 90 | | | | | | | | | |
| ICSAB | 0359 | 89 | | | | | | | | | |
| CCV | 0407 | 91 | | | | | | | | | |
| CCB | 0415 | 93 | | | | | | | | | |
| ZZZZZZ | 0422 | | | | | | | | | | |
| ZZZZZZ | 0430 | | | | | | | | | | |
| PBW | 0438 | 90 | | | | | | | | | |
| PBW | 0446 | 90 | | | | | | | | | |
| ZZZZZZ | 0454 | | | | | | | | | | |
| LCS | 0502 | 91 | | | | | | | | | |
| LCS | 0510 | 92 | | | | | | | | | |
| ZZZZZZ | 0518 | | | | | | | | | | |
| ZZZZZZ | 0526 | | | | | | | | | | |
| ZZZZZZ | 0534 | | | | | | | | | | |
| CCV | 0541 | 89 | | | | | | | | | |
| CCB | 0549 | 90 | | | | | | | | | |
| ZZZZZZ | 0557 | | | | | | | | | | |
| ZZZZZZ | 0605 | | | | | | | | | | |
| ZZZZZZ | 0613 | | | | | | | | | | |
| ZZZZZZ | 0621 | | | | | | | | | | |
| ZZZZZZ | 0629 | | | | | | | | | | |
| ZZZZZZ | 0637 | | | | | | | | | | |
| ZZZZZZ | 0645 | | | | | | | | | | |
| ZZZZZZ | 0653 | | | | | | | | | | |
| ZZZZZZ | 0700 | | | | | | | | | | |
| ZZZZZZ | 0708 | | | | | | | | | | |
| CCV | 0716 | 91 | | | | | | | | | |
| CCB | 0724 | 92 | | | | | | | | | |
| ZZZZZZ | 0732 | | | | | | | | | | |
| ZZZZZZ | 0740 | | | | | | | | | | |
| ZZZZZZ | 0748 | | | | | | | | | | |
| ZZZZZZ | 0756 | | | | | | | | | | |
| ZZZZZZ | 0804 | | | | | | | | | | |
| ZZZZZZ | 0812 | | | | | | | | | | |
| ZZZZZZ | 0820 | | | | | | | | | | |

# Metals

## 15-IN

## ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG NO.: MF3T76

ICP-MS Instrument ID: P6  Start Date: 05/01/2011  End Date: 05/02/2011

| EPA Sample No. | Time | Internal Standards %RI For: | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Element 165Ho | Q | Element 159Tb | Q | Element 45Sc | Q | Element 6Li | Q | Element 103Rh | Q |
| ZZZZZZ | 0827 | | | | | | | | | | |
| ZZZZZZ | 0835 | | | | | | | | | | |
| ZZZZZZ | 0843 | | | | | | | | | | |
| CCV | 0851 | 92 | | | | | | | | | |
| CCB | 0859 | 92 | | | | | | | | | |
| ZZZZZZ | 0907 | | | | | | | | | | |
| ZZZZZZ | 0915 | | | | | | | | | | |
| ZZZZZZ | 0923 | | | | | | | | | | |
| ZZZZZZ | 0931 | | | | | | | | | | |
| ZZZZZZ | 0939 | | | | | | | | | | |
| ZZZZZZ | 0947 | | | | | | | | | | |
| ZZZZZZ | 0955 | | | | | | | | | | |
| ZZZZZZ | 1002 | | | | | | | | | | |
| ZZZZZZ | 1010 | | | | | | | | | | |
| ZZZZZZ | 1018 | | | | | | | | | | |
| CCV | 1026 | 92 | | | | | | | | | |
| CCB | 1034 | 93 | | | | | | | | | |
| ZZZZZZ | 1042 | | | | | | | | | | |
| ZZZZZZ | 1050 | | | | | | | | | | |
| ZZZZZZ | 1058 | | | | | | | | | | |
| ZZZZZZ | 1106 | | | | | | | | | | |
| ZZZZZZ | 1114 | | | | | | | | | | |
| ZZZZZZ | 1122 | | | | | | | | | | |
| ZZZZZZ | 1130 | | | | | | | | | | |
| ZZZZZZ | 1137 | | | | | | | | | | |
| ZZZZZZ | 1145 | | | | | | | | | | |
| ZZZZZZ | 1153 | | | | | | | | | | |
| CCV | 1201 | 95 | | | | | | | | | |
| CCB | 1209 | 92 | | | | | | | | | |
| ZZZZZZ | 1217 | | | | | | | | | | |
| ZZZZZZ | 1225 | | | | | | | | | | |
| ZZZZZZ | 1233 | | | | | | | | | | |
| ZZZZZZ | 1241 | | | | | | | | | | |
| ZZZZZZ | 1249 | | | | | | | | | | |
| ZZZZZZ | 1257 | | | | | | | | | | |
| MF3T76 | 1305 | 88 | | | | | | | | | |
| MF3T79 | 1313 | 93 | | | | | | | | | |
| MF3T76 | 1321 | 100 | | | | | | | | | |
| MF3T79 | 1329 | 100 | | | | | | | | | |
| CCV | 1337 | 91 | | | | | | | | | |
| CCB | 1345 | 91 | | | | | | | | | |
| MF3T92 | 1352 | 89 | | | | | | | | | |
| MF3TA5S | 1400 | 89 | | | | | | | | | |
| MF3TA5 | 1408 | 91 | | | | | | | | | |
| MF3TA5D | 1416 | 91 | | | | | | | | | |

# Metals

## 15-IN

## ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG NO.: MF3T76

ICP-MS Instrument ID: P6  Start Date: 05/01/2011  End Date: 05/02/2011

| EPA Sample No. | Time | Internal Standards %RI For: | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Element 165Ho | Q | Element 159Tb | Q | Element 45Sc | Q | Element 6Li | Q | Element 103Rh | Q |
| ZZZZZZ | 1424 | | | | | | | | | | |
| MF3T92 | 1432 | 94 | | | | | | | | | |
| MF3TA5S | 1440 | 94 | | | | | | | | | |
| MF3TA5 | 1448 | 94 | | | | | | | | | |
| MF3TA5D | 1456 | 93 | | | | | | | | | |
| ZZZZZZ | 1504 | | | | | | | | | | |
| CCV | 1512 | 89 | | | | | | | | | |
| CCB | 1520 | 90 | | | | | | | | | |
| MF3TA6 | 1528 | 89 | | | | | | | | | |
| MF3TC4 | 1536 | 90 | | | | | | | | | |
| MF3TD2 | 1544 | 83 | | | | | | | | | |
| MF3TD1 | 1552 | 86 | | | | | | | | | |
| MF3TD8 | 1600 | 91 | | | | | | | | | |
| MF3TA6 | 1608 | 94 | | | | | | | | | |
| MF3TC4 | 1616 | 94 | | | | | | | | | |
| MF3TD2 | 1624 | 94 | | | | | | | | | |
| MF3TD1 | 1631 | 91 | | | | | | | | | |
| MF3TD8 | 1639 | 93 | | | | | | | | | |
| CCV | 1647 | 88 | | | | | | | | | |
| CCB | 1655 | 91 | | | | | | | | | |
| MF3TE0 | 1703 | 86 | | | | | | | | | |
| MF3T97 | 1711 | 88 | | | | | | | | | |
| MF3T99 | 1719 | 86 | | | | | | | | | |
| MF3TA0 | 1727 | 87 | | | | | | | | | |
| MF3TA1 | 1735 | 87 | | | | | | | | | |
| MF3TE0 | 1743 | 98 | | | | | | | | | |
| MF3T97 | 1751 | 93 | | | | | | | | | |
| MF3T99 | 1759 | 94 | | | | | | | | | |
| MF3TA0 | 1807 | 92 | | | | | | | | | |
| MF3TA1 | 1815 | 90 | | | | | | | | | |
| CCV | 1823 | 84 | | | | | | | | | |
| CCB | 1831 | 87 | | | | | | | | | |
| MF3TA3 | 1839 | 81 | | | | | | | | | |
| MF3TE6 | 1847 | 85 | | | | | | | | | |
| MF3TE9 | 1855 | 87 | | | | | | | | | |
| MF3TF0 | 1903 | 87 | | | | | | | | | |
| MF3TA3 | 1911 | 96 | | | | | | | | | |
| MF3TE6 | 1919 | 96 | | | | | | | | | |
| MF3TE9 | 1927 | 93 | | | | | | | | | |
| MF3TF0 | 1935 | 93 | | | | | | | | | |
| ZZZZZZ | 1943 | | | | | | | | | | |
| ZZZZZZ | 1951 | | | | | | | | | | |
| CCV | 1959 | 86 | | | | | | | | | |
| CCB | 2007 | 86 | | | | | | | | | |
| ZZZZZZ | 2015 | | | | | | | | | | |

# Metals

## 15-IN

## ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG NO.: MF3T76

ICP-MS Instrument ID: P6  Start Date: 05/01/2011  End Date: 05/02/2011

| EPA Sample No. | Time | Internal Standards %RI For: | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Element 165Ho | Q | Element 159Tb | Q | Element 45Sc | Q | Element 6Li | Q | Element 103Rh | Q |
| ZZZZZZ | 2023 | | | | | | | | | | |
| ZZZZZZ | 2031 | | | | | | | | | | |
| ZZZZZZ | 2039 | | | | | | | | | | |
| ZZZZZZ | 2047 | | | | | | | | | | |
| ZZZZZZ | 2055 | | | | | | | | | | |
| ZZZZZZ | 2103 | | | | | | | | | | |
| ZZZZZZ | 2111 | | | | | | | | | | |
| ZZZZZZ | 2119 | | | | | | | | | | |
| ZZZZZZ | 2127 | | | | | | | | | | |
| CCV | 2134 | 84 | | | | | | | | | |
| CCB | 2142 | 85 | | | | | | | | | |
| ZZZZZZ | 2150 | | | | | | | | | | |
| ZZZZZZ | 2158 | | | | | | | | | | |
| ZZZZZZ | 2206 | | | | | | | | | | |
| ZZZZZZ | 2214 | | | | | | | | | | |
| ZZZZZZ | 2222 | | | | | | | | | | |
| ZZZZZZ | 2230 | | | | | | | | | | |
| ZZZZZZ | 2238 | | | | | | | | | | |
| ZZZZZZ | 2246 | | | | | | | | | | |
| ZZZZZZ | 2254 | | | | | | | | | | |
| ZZZZZZ | 2302 | | | | | | | | | | |
| CCV | 2310 | 80 | | | | | | | | | |
| CCB | 2318 | 78 | | | | | | | | | |
| ZZZZZZ | 2326 | | | | | | | | | | |
| ZZZZZZ | 2334 | | | | | | | | | | |
| ZZZZZZ | 2342 | | | | | | | | | | |
| ZZZZZZ | 2350 | | | | | | | | | | |
| ZZZZZZ | 2358 | | | | | | | | | | |
| ZZZZZZ | 0006 | | | | | | | | | | |
| ZZZZZZ | 0014 | | | | | | | | | | |
| ZZZZZZ | 0022 | | | | | | | | | | |
| ZZZZZZ | 0030 | | | | | | | | | | |
| ZZZZZZ | 0038 | | | | | | | | | | |
| CCV | 0046 | 79 | | | | | | | | | |
| CCB | 0054 | 80 | | | | | | | | | |
| ZZZZZZ | 0102 | | | | | | | | | | |
| ZZZZZZ | 0110 | | | | | | | | | | |
| ZZZZZZ | 0118 | | | | | | | | | | |
| ZZZZZZ | 0126 | | | | | | | | | | |
| ZZZZZZ | 0134 | | | | | | | | | | |
| ZZZZZZ | 0142 | | | | | | | | | | |
| ZZZZZZ | 0150 | | | | | | | | | | |
| ZZZZZZ | 0158 | | | | | | | | | | |
| ZZZZZZ | 0206 | | | | | | | | | | |
| ZZZZZZ | 0214 | | | | | | | | | | |

# Metals

## 15-IN

## ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG NO.: MF3T76

ICP-MS Instrument ID: P6  Start Date: 05/01/2011  End Date: 05/02/2011

| EPA Sample No. | Time | Internal Standards %RI For: | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Element 165Ho | Q | Element 159Tb | Q | Element 45Sc | Q | Element 6Li | Q | Element 103Rh | Q |
| CCV | 0222 | 81 | | | | | | | | | |
| CCB | 0230 | 81 | | | | | | | | | |
| CCV | 1609 | 76 | | | | | | | | | |
| CCB | 1617 | 79 | | | | | | | | | |
| MF3TA5L | 1625 | 78 | | | | | | | | | |
| MF3TA5L | 1633 | 81 | | | | | | | | | |
| CCV | 1641 | 78 | | | | | | | | | |
| CCB | 1648 | 79 | | | | | | | | | |

# Metals

## 16-IN

## INITIAL CALIBRATION

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Instrument ID: P6  Start Date: 05/01/11

Concentration Units: ug/L

| Analyte | True | Found | %D | True | Found | %D | True | Found | %D |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 0.00 | 0.00000 | 0 | 20.0 | 23 | -14 | 2500 | 2591 | -4 |
| Antimony | 0.00 | 0.00000 | 0 | 2.00 | 1.9 | 3 | 125 | 124 | 1 |
| Arsenic | 0.00 | 0.00000 | 0 | 1.00 | 1.1 | -12 | 125 | 125 | 0 |
| Barium | 0.00 | 0.00000 | 0 | 10.0 | 9.9 | 1 | 625 | 629 | -1 |
| Beryllium | 0.00 | 0.00000 | 0 | 1.00 | 0.95 | 5 | 125 | 127 | -1 |
| Cadmium | 0.00 | 0.00000 | 0 | 1.00 | 1.0 | -1 | 125 | 125 | 0 |
| Calcium | 0.00 | 0.00000 | 0 | 500 | 495 | 1 | 12500 | 12400 | 1 |
| Chromium | 0.00 | 0.00000 | 0 | 2.00 | 2.0 | -1 | 125 | 125 | 0 |
| Cobalt | 0.00 | 0.00000 | 0 | 1.00 | 1.1 | -6 | 125 | 127 | -2 |
| Copper | 0.00 | 0.00000 | 0 | 2.00 | 2.2 | -8 | 250 | 256 | -2 |
| Iron | 0.00 | 0.00000 | 0 | 200 | 209 | -5 | 6250 | 6441 | -3 |
| Lead | 0.00 | 0.00000 | 0 | 1.00 | 1.0 | -2 | 125 | 125 | 0 |
| Magnesium | 0.00 | 0.00000 | 0 | 500 | 513 | -3 | 12500 | 12740 | -2 |
| Manganese | 0.00 | 0.00000 | 0 | 1.00 | 1.1 | -8 | 250 | 253 | -1 |
| Nickel | 0.00 | 0.00000 | 0 | 1.00 | 1.1 | -9 | 125 | 128 | -2 |
| Potassium | 0.00 | 0.00000 | 0 | 500 | 498 | 0 | 6250 | 6326 | -1 |
| Selenium | 0.00 | 0.00000 | 0 | 5.00 | 4.7 | 7 | 125 | 125 | 0 |
| Silver | 0.00 | 0.00000 | 0 | 1.00 | 1.1 | -10 | 125 | 128 | -2 |
| Sodium | 0.00 | 0.00000 | 0 | 500 | 474 | 5 | 12500 | 12660 | -1 |
| Thallium | 0.00 | 0.00000 | 0 | 1.00 | 1.1 | -5 | 125 | 125 | 0 |
| Vanadium | 0.00 | 0.00000 | 0 | 5.00 | 5.5 | -10 | 125 | 125 | 0 |
| Zinc | 0.00 | 0.00000 | 0 | 2.00 | 2.5 | -23 | 250 | 255 | -2 |

Control Limits ± 30

# Metals

## 16-IN

## INITIAL CALIBRATION

Lab Name: Chemtech Consulting Group  Contract: EPW09038

Lab Code: CHEM  Case No.: 41214  Mod. Ref. No.:  SDG No.: MF3T76

Instrument ID: P6  Start Date: 05/01/11

Concentration Units: ug/L

| Analyte | True | Found | %D | True | Found | %D | True | Found | %D |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 5000 | 5017 | 0 | 10000 | 9990 | 0 | 20000 | 19990 | 0 |
| Antimony | 250 | 246 | 2 | 500 | 501 | 0 | 1000 | 1001 | 0 |
| Arsenic | 250 | 246 | 2 | 500 | 498 | 0 | 1000 | 1002 | 0 |
| Barium | 1250 | 1241 | 1 | 2500 | 2491 | 0 | 5000 | 5006 | 0 |
| Beryllium | 250 | 249 | 1 | 500 | 499 | 0 | 1000 | 1001 | 0 |
| Cadmium | 250 | 247 | 1 | 500 | 501 | 0 | 1000 | 1000 | 0 |
| Calcium | 25000 | 24530 | 2 | 50000 | 49060 | 2 | 100000 | 100600 | -1 |
| Chromium | 250 | 249 | 0 | 500 | 498 | 0 | 1000 | 1001 | 0 |
| Cobalt | 250 | 249 | 0 | 500 | 499 | 0 | 1000 | 1000 | 0 |
| Copper | 500 | 503 | -1 | 1000 | 997 | 0 | 2000 | 2000 | 0 |
| Iron | 12500 | 12710 | -2 | 25000 | 25090 | 0 | 50000 | 49880 | 0 |
| Lead | 250 | 249 | 1 | 500 | 504 | -1 | 1000 | 999 | 0 |
| Magnesium | 25000 | 25490 | -2 | 50000 | 50050 | 0 | 100000 | 99820 | 0 |
| Manganese | 500 | 503 | -1 | 1000 | 1003 | 0 | 2000 | 1998 | 0 |
| Nickel | 250 | 250 | 0 | 500 | 499 | 0 | 1000 | 1000 | 0 |
| Potassium | 12500 | 12630 | -1 | 25000 | 24970 | 0 | 50000 | 49970 | 0 |
| Selenium | 250 | 249 | 0 | 500 | 494 | 1 | 1000 | 1003 | 0 |
| Silver | 250 | 251 | 0 | 500 | 504 | -1 | 1000 | 998 | 0 |
| Sodium | 25000 | 25130 | -1 | 50000 | 49930 | 0 | 100000 | 99980 | 0 |
| Thallium | 250 | 248 | 1 | 500 | 502 | 0 | 1000 | 1000 | 0 |
| Vanadium | 250 | 249 | 0 | 500 | 500 | 0 | 1000 | 1000 | 0 |
| Zinc | 500 | 502 | 0 | 1000 | 1009 | -1 | 2000 | 1995 | 0 |

Control Limits ± 30

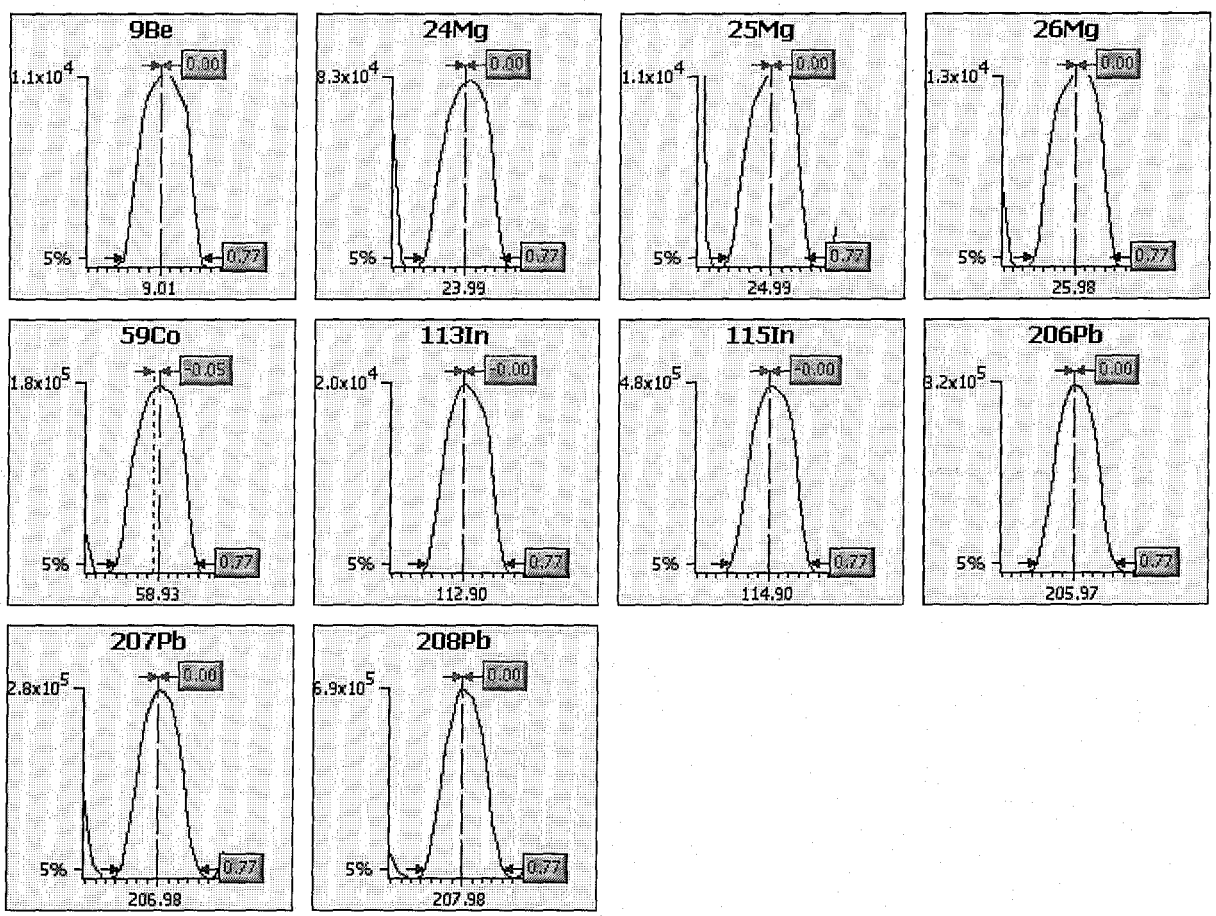
## Performance Report

(TUNE)

**Sample details**
Sample name : TUNE
Acquired at : 04/30/2011 11:08:27 PM
Report name : ISM01.2 [03/09/2010 11:16:01 AM]

**Mass Calibration verification**

**Acquisition parameters**
Sweeps : 20
Dwell : 3.0 mSecs
Point spacing : 0.05 amu
Peak width measured at 5% of the peak maximum




| Analyte | Limits | | | Results | |
|---|---|---|---|---|---|
| | Max. width | Min. width | Max. error | Peak width | Peak error |
| **9Be** | 0.85 | 0.65 | 0.10 | 0.77 | 0.00 |
| **24Mg** | 0.85 | 0.65 | 0.10 | 0.77 | 0.00 |
| **25Mg** | 0.85 | 0.65 | 0.10 | 0.77 | 0.00 |
| **26Mg** | 0.85 | 0.65 | 0.10 | 0.77 | 0.00 |
| **59Co** | 0.85 | 0.65 | 0.10 | 0.77 | -0.05 |
| **113In** | 0.85 | 0.65 | 0.10 | 0.77 | -0.00 |
| **115In** | 0.85 | 0.65 | 0.10 | 0.77 | -0.00 |
| **206Pb** | 0.85 | 0.65 | 0.10 | 0.77 | 0.00 |
| **207Pb** | 0.85 | 0.65 | 0.10 | 0.77 | 0.00 |
| **208Pb** | 0.85 | 0.65 | 0.10 | 0.77 | 0.00 |

INSTRUMENT ID: P6

(TUNE)

**Sample details**
Sample name : TUNE
Acquired at : 04/30/2011 11:08:27 PM
Report name : ISM012 [03/09/2010 11:16:01 AM]

## Tune conditions

| Major | |
|---|---|
| Extraction | -173 |
| Lens 1 | 0.3 |
| Focus | 20.0 |
| D1 | -38.4 |
| Pole Bias | 1.0 |
| Hexapole Bias | -3.0 |
| Nebuliser | 0.82 |
| Sampling Depth | 130 |

| Minor | |
|---|---|
| Lens 2 | -34.5 |
| Lens 3 | -151.4 |
| Forward power | 1349 |
| Horizontal | 111 |
| Vertical | 576 |
| D2 | -160 |
| DA | -80.0 |
| Cool | 13.0 |
| Auxiliary | 0.90 |

| Global | |
|---|---|
| Standard resolution | n/a |
| High resolution | n/a |
| Analogue Detector | n/a |
| PC Detector | n/a |

Add. Gases

## Sensitivity and stability results

### Acquisition parameters
Sweeps : 130

| Run | Time | 5Bkg | 9Be | 24Mg | 25Mg | 26Mg | 59Co | 138Ba++ | 113In | 115In |
|---|---|---|---|---|---|---|---|---|---|---|
| Dwell (mSecs) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Limits | %RSD | - | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | - | 5.0% | 5.0% |
| | Countrate | - | >2000 | >8000 | >1000 | >1000 | >25000 | - | >2500 | >50000 |
| 1 | 11:08:49 PM | 0.000 | 10970.364 | 81463.920 | 11291.384 | 13291.565 | 186759.77 | 4493.784 | 19871.503 | 475484.22 |
| 2 | 11:09:18 PM | 0.000 | 11057.355 | 81600.079 | 11261.360 | 13535.640 | 187682.51 | 4563.806 | 20166.532 | 476769.07 |
| 3 | 11:09:47 PM | 0.000 | 10908.779 | 81624.835 | 11181.297 | 13693.483 | 188206.26 | 4654.604 | 20124.935 | 481844.40 |
| 4 | 11:10:16 PM | 0.000 | 11128.949 | 81518.848 | 11347.582 | 13530.250 | 189618.60 | 4600.741 | 20287.472 | 480847.80 |
| 5 | 11:10:45 PM | 0.000 | 11267.519 | 82471.987 | 11402.241 | 13600.317 | 188233.54 | 4462.235 | 20074.864 | 482362.21 |
| x | | 0.000 | 11066.593 | 81735.934 | 11296.773 | 13530.251 | 188100.13 | 4555.034 | 20105.061 | 479461.54 |
| σ | | 0.00 | 140.10 | 416.44 | 84.15 | 148.79 | 1037.52 | 78.17 | 152.40 | 3125.78 |
| %RSD | | 0.000 | 1.266 | 0.509 | 0.745 | 1.100 | 0.552 | 1.716 | 0.758 | 0.652 |

| Run | Time | 138Ba | 140Ce | 156Ce O | 206Pb | 207Pb | 208Pb | 220Bkg |
|---|---|---|---|---|---|---|---|---|
| Dwell (mSecs) | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Limits | %RSD | - | - | - | 5.0% | 5.0% | 5.0% | - |
| | Countrate | - | - | - | >20000 | >20000 | >40000 | <1 |
| 1 | 11:08:49 PM | 391439.62 | 562105.32 | 7864.472 | 322702.55 | 281341.81 | 691442.48 | 0.000 |
| 2 | 11:09:18 PM | 391907.58 | 565532.84 | 7880.635 | 323995.95 | 281636.77 | 689963.48 | 0.000 |
| 3 | 11:09:47 PM | 393781.13 | 567606.55 | 7947.595 | 323840.95 | 282262.00 | 694627.71 | 0.000 |
| 4 | 11:10:16 PM | 393145.52 | 571022.57 | 7892.179 | 325129.74 | 283441.95 | 696941.81 | 0.769 |
| 5 | 11:10:45 PM | 398001.08 | 569766.97 | 7885.253 | 327118.21 | 284592.17 | 697008.81 | 0.000 |
| x | | 393654.99 | 567206.85 | 7894.027 | 324557.48 | 282654.94 | 693996.86 | 0.154 |
| σ | | 2604.09 | 3539.13 | 31.63 | 1669.90 | 1349.78 | 3199.05 | 0.34 |
| %RSD | | 0.662 | 0.624 | 0.401 | 0.515 | 0.478 | 0.461 | 223.607 |

### Ratio results

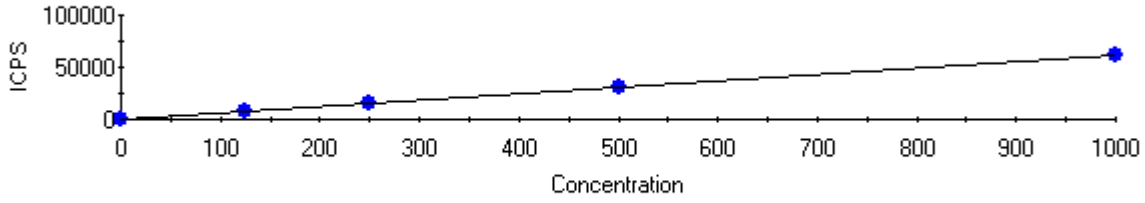
| Run | Time | 156Ce O/140Ce | 138Ba++/138Ba |
|---|---|---|---|
| | Ratio limits | <0.0200 | <0.0300 |
| 1 | 11:08:49 PM | 0.014 | 0.011 |
| 2 | 11:09:18 PM | 0.014 | 0.012 |
| 3 | 11:09:47 PM | 0.014 | 0.012 |
| 4 | 11:10:16 PM | 0.014 | 0.012 |
| 5 | 11:10:45 PM | 0.014 | 0.011 |
| x | | 0.0139 | 0.0116 |
| σ | | 0.00 | 0.00 |
| %RSD | | 0.6036 | 2.0372 |

Result : The performance report passed.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 176 | C1881-20 MF3TC3 | Unknown | 1.000 | 3 | 5 | 7 | 144 |
| 177 | C1881-16X25 MF3TB6 | Unknown | 1.000 | 3 | 5 | 8 | 144 |
| 178 | C1881-17X25 MF3TB7 | Unknown | 1.000 | 3 | 5 | 9 | 144 |
| 179 | C1881-18X25 MF3TD9 | Unknown | 1.000 | 3 | 5 | 10 | 144 |
| 180 | C1881-19X25 MF3TA2 | Unknown | 1.000 | 3 | 5 | 11 | 144 |
| 181 | C1881-20X25 MF3TC3 | Unknown | 1.000 | 3 | 5 | 12 | 144 |
| 182 | CCV | Unknown | 1.000 | 4 | 1 | 1 | 144 |
| 183 | CCB | Unknown | 1.000 | 4 | 1 | 2 | 144 |
| 184 | ZZZZZ | Instrument Setup | 1.000 | 2 | 1 | 1 | 144 |
| 185 | CCV | Unknown | 1.000 | 1 | 1 | 2 | 144 |
| 186 | CCB | Unknown | 1.000 | 1 | 1 | 3 | 144 |
| 187 | C1868-04LX5 MF3TA5L | Unknown | 1.000 | 1 | 1 | 4 | 144 |
| 188 | C1868-04LX125 MF3TA5L | Unknown | 1.000 | 1 | 1 | 5 | 144 |
| 189 | CCV | Unknown | 1.000 | 1 | 1 | 6 | 144 |
| 190 | CCB | Unknown | 1.000 | 1 | 1 | 7 | 144 |

## Fully Quant Calibration

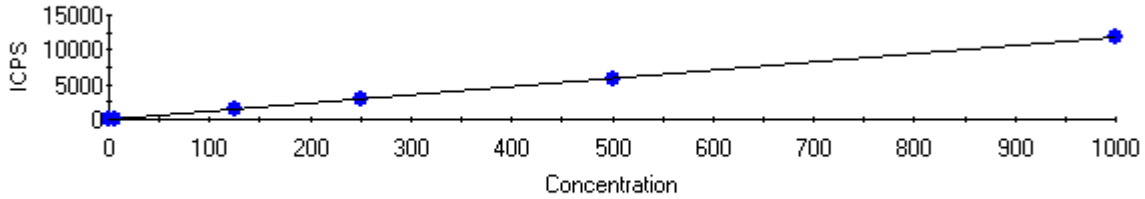
**9Be FQ Block 1**




Intercept CPS=9.884623 Intercept Conc=0.162424
Sensitivity=60.856807 Correlation Coeff=0.999996

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 9.88 | 0.00 |
| S1 (S) | 1.000 | 0.948 | 0.052 | 67.59 | 5.18 |
| S2 (S) | 125.000 | 126.671 | 1.671 | 7718.66 | 1.34 |
| S3 (S) | 250.000 | 248.673 | 1.327 | 15143.33 | 0.53 |
| S4 (S) | 500.000 | 498.914 | 1.086 | 30372.20 | 0.22 |
| S5 (S) | 1000.000 | 1000.666 | 0.666 | 60907.22 | 0.07 |

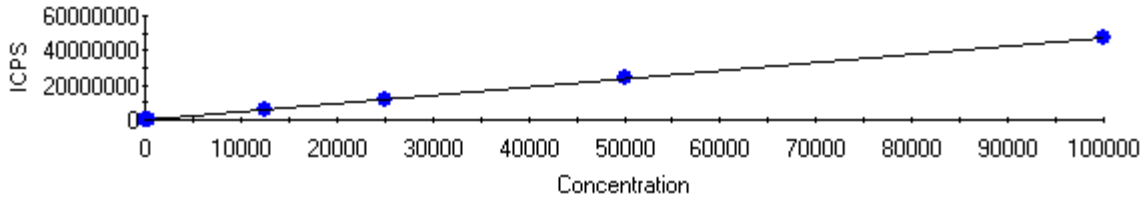
**10B FQ Block 1**




Intercept CPS=31.779114 Intercept Conc=2.688481
Sensitivity=11.820471 Correlation Coeff=0.999979

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | -0.000 | 0.000 | 31.78 | 0.00 |
| S1 (S) | 5.000 | 5.140 | 0.140 | 92.53 | 2.79 |
| S2 (S) | 125.000 | 125.618 | 0.618 | 1516.64 | 0.49 |
| S3 (S) | 250.000 | 249.557 | 0.443 | 2981.66 | 0.18 |
| S4 (S) | 500.000 | 494.985 | 5.015 | 5882.74 | 1.00 |
| S5 (S) | 1000.000 | 1002.540 | 2.540 | 11882.28 | 0.25 |

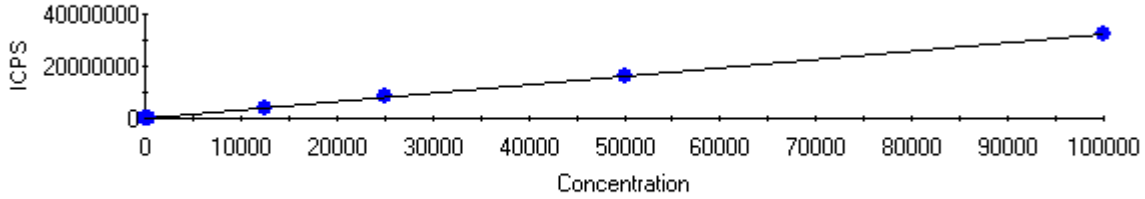
## 23Na FQ Block 1




Intercept CPS=123989.536891 Intercept Conc=261.458981
Sensitivity=474.221754 Correlation Coeff=0.999997

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 123989.54 | 0.00 |
| S1 (S) | 500.000 | 473.798 | 26.202 | 348674.72 | 5.24 |
| S2 (S) | 12500.000 | 12655.999 | 155.999 | 6125739.81 | 1.25 |
| S3 (S) | 25000.000 | 25129.682 | 129.682 | 12041031.35 | 0.52 |
| S4 (S) | 50000.000 | 49931.780 | 68.220 | 23802726.07 | 0.14 |
| S5 (S) | 100000.000 | 99982.320 | 17.680 | 47537780.93 | 0.02 |

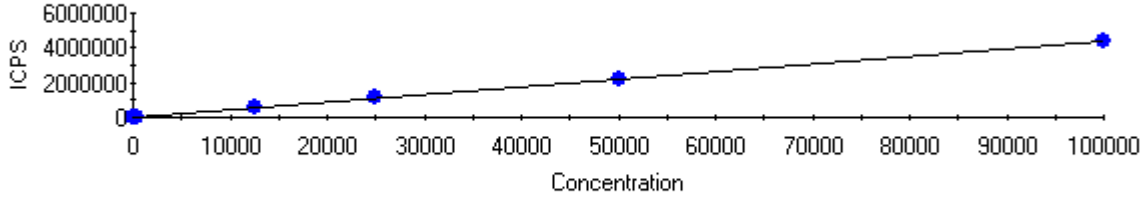
## 24Mg FQ Block 1




Intercept CPS=1911.097329 Intercept Conc=5.910571
Sensitivity=323.335485 Correlation Coeff=0.999985

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | -0.000 | 0.000 | 1911.10 | 0.00 |
| S1 (S) | 500.000 | 512.853 | 12.853 | 167734.71 | 2.57 |
| S2 (S) | 12500.000 | 12740.947 | 240.947 | 4121511.49 | 1.93 |
| S3 (S) | 25000.000 | 25491.842 | 491.842 | 8244328.28 | 1.97 |
| S4 (S) | 50000.000 | 50050.925 | 50.925 | 16185151.08 | 0.10 |
| S5 (S) | 100000.000 | 99821.394 | 178.606 | 32277710.11 | 0.18 |

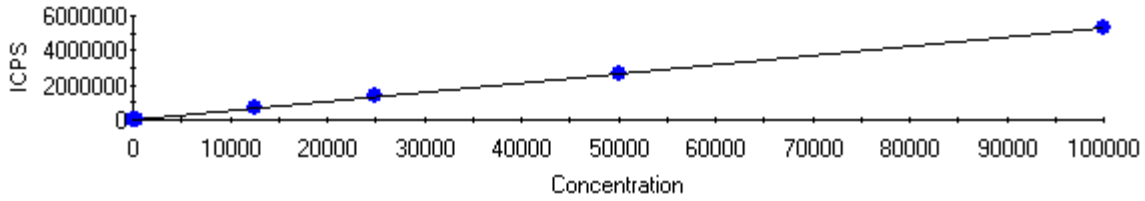
## 25Mg FQ Block 1




Intercept CPS=258.827245 Intercept Conc=5.851251
Sensitivity=44.234514 Correlation Coeff=0.999991

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 258.83 | 0.00 |
| S1 (S) | 500.000 | 513.708 | 13.708 | 22982.45 | 2.74 |
| S2 (S) | 12500.000 | 12747.003 | 247.003 | 564116.30 | 1.98 |
| S3 (S) | 25000.000 | 25291.942 | 291.942 | 1119035.61 | 1.17 |
| S4 (S) | 50000.000 | 49839.246 | 160.754 | 2204873.65 | 0.32 |
| S5 (S) | 100000.000 | 99976.448 | 23.552 | 4422668.41 | 0.02 |

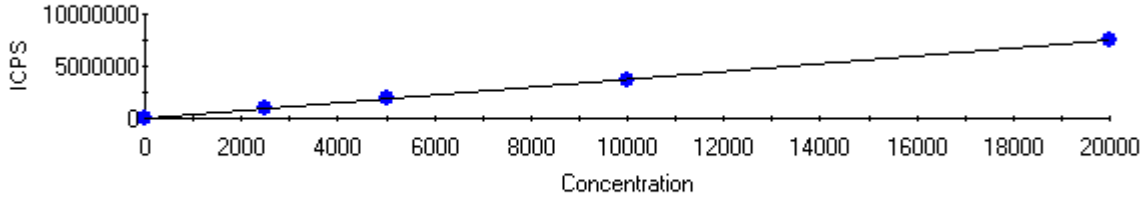
## 26Mg FQ Block 1




Intercept CPS=314.392132 Intercept Conc=5.947431
Sensitivity=52.861834 Correlation Coeff=0.999994

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | -0.000 | 0.000 | 314.39 | 0.00 |
| S1 (S) | 500.000 | 512.930 | 12.930 | 27428.81 | 2.59 |
| S2 (S) | 12500.000 | 12688.701 | 188.701 | 671062.41 | 1.51 |
| S3 (S) | 25000.000 | 25210.986 | 210.986 | 1333013.35 | 0.84 |
| S4 (S) | 50000.000 | 49820.855 | 179.145 | 2633936.19 | 0.36 |
| S5 (S) | 100000.000 | 100013.174 | 13.174 | 5287194.20 | 0.01 |

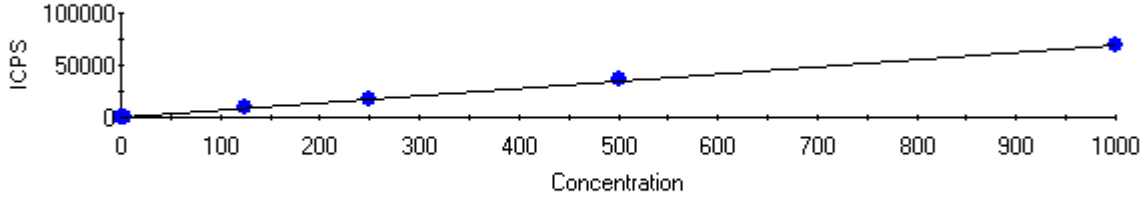
## 27Al FQ Block 1




Intercept CPS=581.228857 Intercept Conc=1.553637
Sensitivity=374.108621 Correlation Coeff=0.999989

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | -0.000 | 0.000 | 581.23 | 0.00 |
| S1 (S) | 20.000 | 22.734 | 2.734 | 9086.16 | 13.67 |
| S2 (S) | 2500.000 | 2590.546 | 90.546 | 969726.81 | 3.62 |
| S3 (S) | 5000.000 | 5016.873 | 16.873 | 1877436.51 | 0.34 |
| S4 (S) | 10000.000 | 9989.794 | 10.206 | 3737849.46 | 0.10 |
| S5 (S) | 20000.000 | 19989.564 | 10.436 | 7478849.31 | 0.05 |

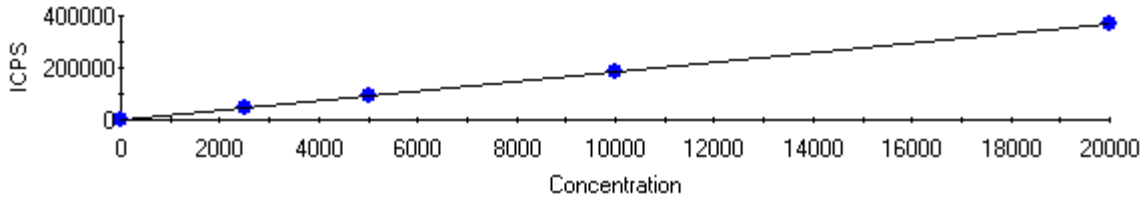
## 28Si FQ Block 1




Intercept CPS=552.118081 Intercept Conc=8.064919
Sensitivity=68.459219 Correlation Coeff=0.999670

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 552.12 | 0.00 |
| S1 (S) | 5.000 | 5.968 | 0.968 | 960.71 | 19.37 |
| S2 (S) | 125.000 | 121.837 | 3.163 | 8893.00 | 2.53 |
| S3 (S) | 250.000 | 239.777 | 10.223 | 16967.07 | 4.09 |
| S4 (S) | 500.000 | 518.280 | 18.280 | 36033.17 | 3.66 |
| S5 (S) | 1000.000 | 993.806 | 6.194 | 68587.31 | 0.62 |

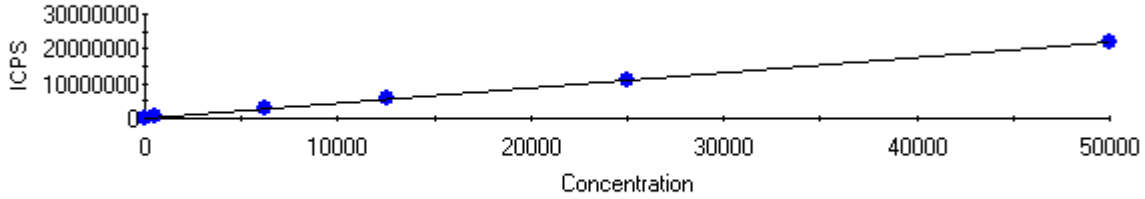
## 31P FQ Block 1




Intercept CPS=928.602407 Intercept Conc=50.114538
Sensitivity=18.529601 Correlation Coeff=0.999990

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | -0.000 | 0.000 | 928.60 | 0.00 |
| S1 (S) | 0.000 | 1.107 | 1.107 | 949.11 | 0.00 |
| S2 (S) | 2500.000 | 2526.292 | 26.292 | 47739.79 | 1.05 |
| S3 (S) | 5000.000 | 4972.205 | 27.795 | 93061.58 | 0.56 |
| S4 (S) | 10000.000 | 9940.937 | 59.063 | 185130.21 | 0.59 |
| S5 (S) | 20000.000 | 20033.193 | 33.193 | 372135.69 | 0.17 |

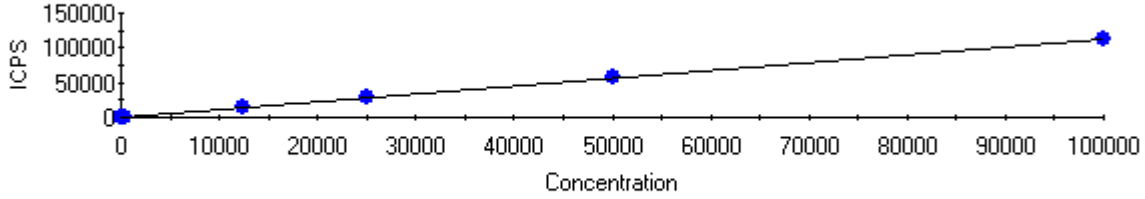
## 39K FQ Block 1




Intercept CPS=104475.658439 Intercept Conc=242.350451
Sensitivity=431.093311 Correlation Coeff=0.999995

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 104475.66 | 0.00 |
| S1 (S) | 500.000 | 498.321 | 1.679 | 319298.40 | 0.34 |
| S2 (S) | 6250.000 | 6325.953 | 75.953 | 2831551.64 | 1.22 |
| S3 (S) | 12500.000 | 12628.251 | 128.251 | 5548430.13 | 1.03 |
| S4 (S) | 25000.000 | 24974.378 | 25.622 | 10870762.81 | 0.10 |
| S5 (S) | 50000.000 | 49971.271 | 28.729 | 21646756.42 | 0.06 |

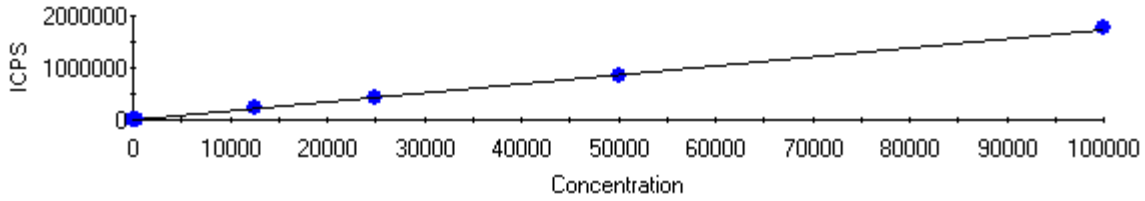
## 43Ca FQ Block 1




Intercept CPS=8.846430 Intercept Conc=7.897904
Sensitivity=1.120098 Correlation Coeff=0.999674

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | -0.000 | 0.000 | 8.85 | 0.00 |
| S1 (S) | 500.000 | 463.338 | 36.662 | 527.83 | 7.33 |
| S2 (S) | 12500.000 | 11679.108 | 820.892 | 13090.60 | 6.57 |
| S3 (S) | 25000.000 | 26725.305 | 1725.305 | 29943.82 | 6.90 |
| S4 (S) | 50000.000 | 50902.676 | 902.676 | 57024.85 | 1.81 |
| S5 (S) | 100000.000 | 99220.131 | 779.869 | 111145.16 | 0.78 |

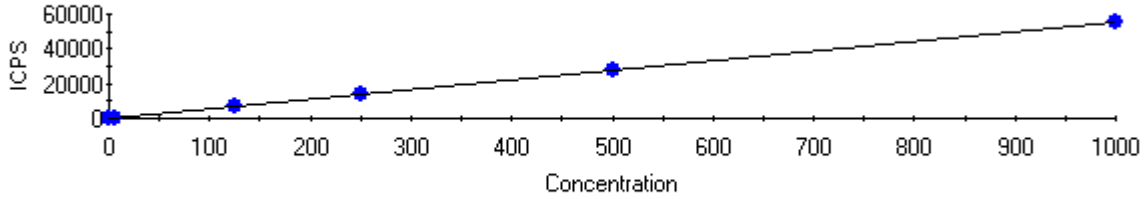
## 44Ca FQ Block 1




Intercept CPS=1430.365500 Intercept Conc=82.277515
Sensitivity=17.384646 Correlation Coeff=0.999919

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 1430.37 | 0.00 |
| S1 (S) | 500.000 | 495.354 | 4.646 | 10041.92 | 0.93 |
| S2 (S) | 12500.000 | 12396.786 | 103.214 | 216944.11 | 0.83 |
| S3 (S) | 25000.000 | 24532.288 | 467.712 | 427915.52 | 1.87 |
| S4 (S) | 50000.000 | 49064.686 | 935.314 | 854402.59 | 1.87 |
| S5 (S) | 100000.000 | 100597.510 | 597.510 | 1750282.50 | 0.60 |

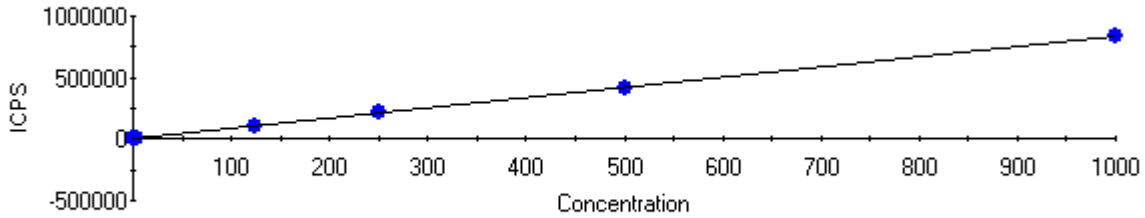
## 47Ti FQ Block 1




Intercept CPS=61.944298 Intercept Conc=1.114338
Sensitivity=55.588448 Correlation Coeff=0.999988

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 61.94 | 0.00 |
| S1 (S) | 5.000 | 4.089 | 0.911 | 289.24 | 18.22 |
| S2 (S) | 125.000 | 122.274 | 2.726 | 6858.95 | 2.18 |
| S3 (S) | 250.000 | 245.380 | 4.620 | 13702.23 | 1.85 |
| S4 (S) | 500.000 | 499.211 | 0.789 | 27812.30 | 0.16 |
| S5 (S) | 1000.000 | 1001.895 | 1.895 | 55755.73 | 0.19 |

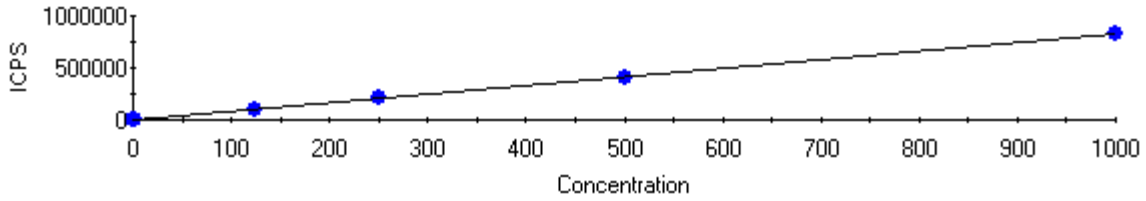
## 51V FQ Block 1




Intercept CPS=-55.898264 Intercept Conc=-0.066367
Sensitivity=842.254348 Correlation Coeff=0.999999

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | -55.90 | 0.00 |
| S1 (S) | 5.000 | 5.487 | 0.487 | 4565.81 | 9.75 |
| S2 (S) | 125.000 | 124.665 | 0.335 | 104944.03 | 0.27 |
| S3 (S) | 250.000 | 249.018 | 0.982 | 209680.67 | 0.39 |
| S4 (S) | 500.000 | 499.655 | 0.345 | 420780.61 | 0.07 |
| S5 (S) | 1000.000 | 1000.457 | 0.457 | 842583.72 | 0.05 |

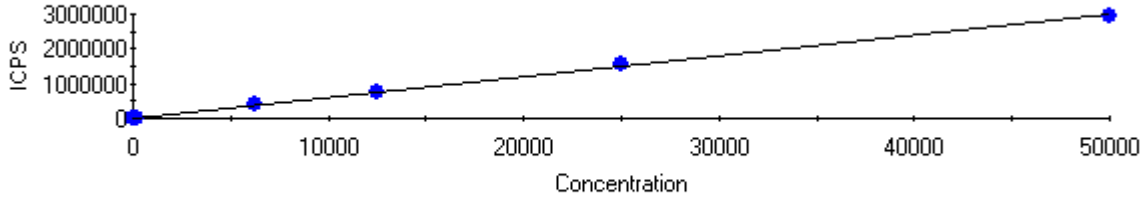
## 52Cr FQ Block 1




Intercept CPS=321.824690 Intercept Conc=0.391705
Sensitivity=821.599746 Correlation Coeff=0.999996

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | -0.000 | 0.000 | 321.82 | 0.00 |
| S1 (S) | 2.000 | 2.024 | 0.024 | 1985.05 | 1.22 |
| S2 (S) | 125.000 | 125.046 | 0.046 | 103059.82 | 0.04 |
| S3 (S) | 250.000 | 248.964 | 1.036 | 204870.71 | 0.41 |
| S4 (S) | 500.000 | 497.932 | 2.068 | 409422.92 | 0.41 |
| S5 (S) | 1000.000 | 1001.287 | 1.287 | 822978.93 | 0.13 |

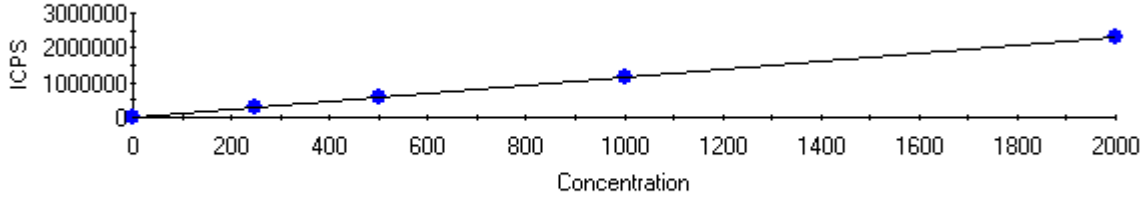
## 54Fe FQ Block 1




Intercept CPS=3030.145475 Intercept Conc=50.946702
Sensitivity=59.476774 Correlation Coeff=0.999728

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | -0.000 | 0.000 | 3030.15 | 0.00 |
| S1 (S) | 200.000 | 204.233 | 4.233 | 15177.28 | 2.12 |
| S2 (S) | 6250.000 | 6488.334 | 238.334 | 388935.33 | 3.81 |
| S3 (S) | 12500.000 | 12910.346 | 410.346 | 770895.90 | 3.28 |
| S4 (S) | 25000.000 | 25850.272 | 850.272 | 1540520.97 | 3.40 |
| S5 (S) | 50000.000 | 49442.468 | 557.532 | 2943708.69 | 1.12 |

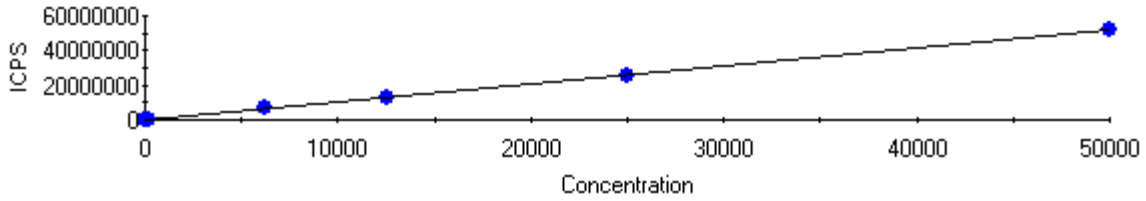
## 55Mn FQ Block 1




Intercept CPS=265.057746 Intercept Conc=0.228916
Sensitivity=1157.881745 Correlation Coeff=0.999997

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 265.06 | 0.00 |
| S1 (S) | 1.000 | 1.077 | 0.077 | 1512.51 | 7.74 |
| S2 (S) | 250.000 | 253.358 | 3.358 | 293623.18 | 1.34 |
| S3 (S) | 500.000 | 502.793 | 2.793 | 582439.38 | 0.56 |
| S4 (S) | 1000.000 | 1002.533 | 2.533 | 1161080.20 | 0.25 |
| S5 (S) | 2000.000 | 1997.615 | 2.385 | 2313267.48 | 0.12 |

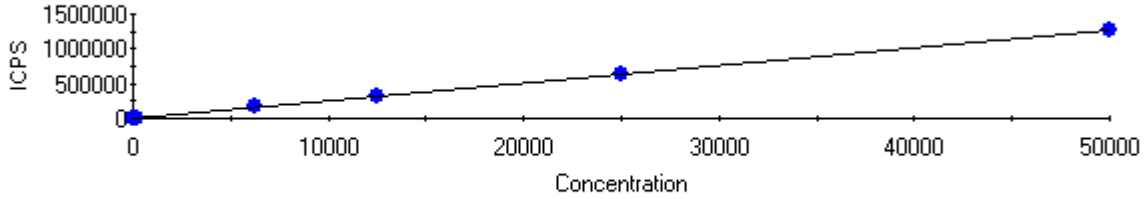
## 56Fe FQ Block 1




Intercept CPS=40865.337229 Intercept Conc=39.305047
Sensitivity=1039.696954 Correlation Coeff=0.999995

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 40865.34 | 0.00 |
| S1 (S) | 200.000 | 203.568 | 3.568 | 252514.17 | 1.78 |
| S2 (S) | 6250.000 | 6290.767 | 40.767 | 6581356.90 | 0.65 |
| S3 (S) | 12500.000 | 12511.451 | 11.451 | 13048982.51 | 0.09 |
| S4 (S) | 25000.000 | 24879.125 | 120.875 | 25907615.95 | 0.48 |
| S5 (S) | 50000.000 | 50052.465 | 52.465 | 52080260.30 | 0.10 |

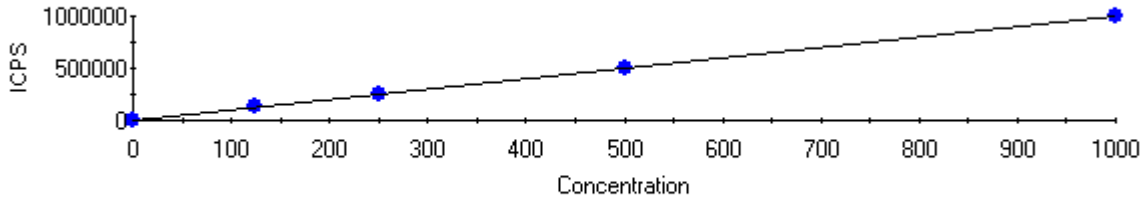
## 57Fe FQ Block 1




Intercept CPS=1256.770676 Intercept Conc=49.089775
Sensitivity=25.601476 Correlation Coeff=0.999984

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 1256.77 | 0.00 |
| S1 (S) | 200.000 | 209.370 | 9.370 | 6616.96 | 4.69 |
| S2 (S) | 6250.000 | 6441.068 | 191.068 | 166157.62 | 3.06 |
| S3 (S) | 12500.000 | 12711.816 | 211.816 | 326698.01 | 1.69 |
| S4 (S) | 25000.000 | 25086.737 | 86.737 | 643514.25 | 0.35 |
| S5 (S) | 50000.000 | 49879.757 | 120.243 | 1278252.14 | 0.24 |

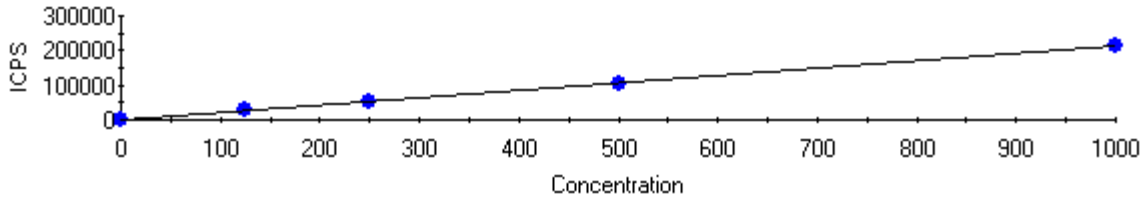
## 59Co FQ Block 1




Intercept CPS=54.000971 Intercept Conc=0.054396
Sensitivity=992.736923 Correlation Coeff=0.999995

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | -0.000 | 0.000 | 54.00 | 0.00 |
| S1 (S) | 1.000 | 1.064 | 0.064 | 1110.39 | 6.41 |
| S2 (S) | 125.000 | 127.320 | 2.320 | 126449.46 | 1.86 |
| S3 (S) | 250.000 | 249.025 | 0.975 | 247270.71 | 0.39 |
| S4 (S) | 500.000 | 498.994 | 1.006 | 495423.59 | 0.20 |
| S5 (S) | 1000.000 | 1000.457 | 0.457 | 993244.26 | 0.05 |

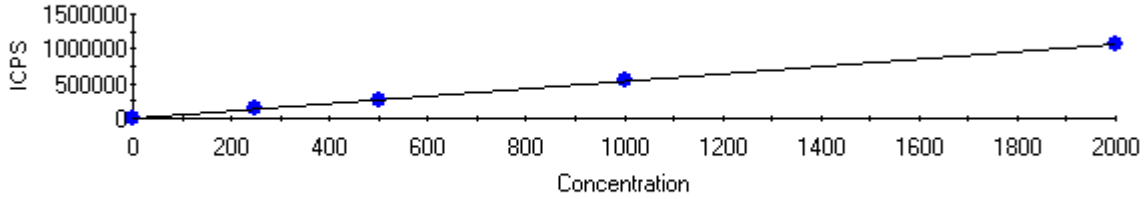
## 60Ni FQ Block 1




Intercept CPS=49.999257 Intercept Conc=0.234460
Sensitivity=213.252675 Correlation Coeff=0.999995

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 50.00 | 0.00 |
| S1 (S) | 1.000 | 1.094 | 0.094 | 283.35 | 9.42 |
| S2 (S) | 125.000 | 127.908 | 2.908 | 27326.79 | 2.33 |
| S3 (S) | 250.000 | 249.994 | 0.006 | 53361.81 | 0.00 |
| S4 (S) | 500.000 | 499.435 | 0.565 | 106555.93 | 0.11 |
| S5 (S) | 1000.000 | 999.920 | 0.080 | 213285.67 | 0.01 |

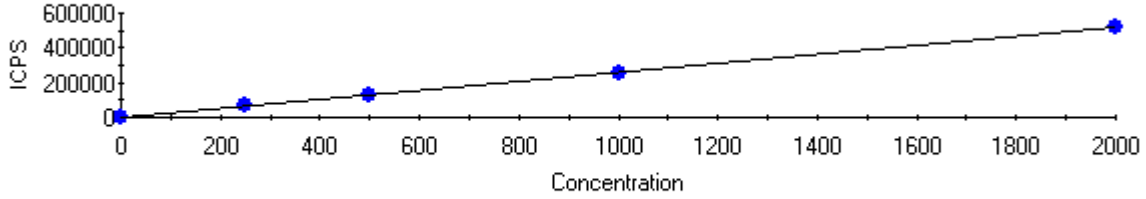
## 63Cu FQ Block 1




Intercept CPS=144.767246 Intercept Conc=0.269038
Sensitivity=538.091709 Correlation Coeff=0.999994

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 144.77 | 0.00 |
| S1 (S) | 2.000 | 2.159 | 0.159 | 1306.44 | 7.94 |
| S2 (S) | 250.000 | 255.686 | 5.686 | 137727.23 | 2.27 |
| S3 (S) | 500.000 | 502.721 | 2.721 | 270654.79 | 0.54 |
| S4 (S) | 1000.000 | 997.437 | 2.563 | 536857.25 | 0.26 |
| S5 (S) | 2000.000 | 1999.890 | 0.110 | 1076269.23 | 0.01 |

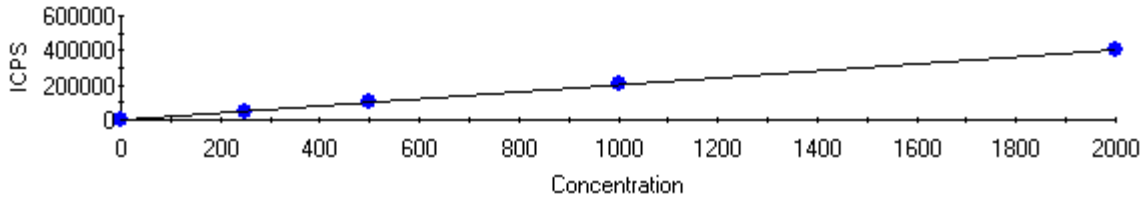
## 65Cu FQ Block 1




Intercept CPS=54.674135 Intercept Conc=0.210925
Sensitivity=259.210978 Correlation Coeff=0.999996

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | -0.000 | 0.000 | 54.67 | 0.00 |
| S1 (S) | 2.000 | 2.241 | 0.241 | 635.51 | 12.04 |
| S2 (S) | 250.000 | 255.096 | 5.096 | 66178.28 | 2.04 |
| S3 (S) | 500.000 | 503.205 | 3.205 | 130490.92 | 0.64 |
| S4 (S) | 1000.000 | 1001.201 | 1.201 | 259576.90 | 0.12 |
| S5 (S) | 2000.000 | 1997.961 | 2.039 | 517948.15 | 0.10 |

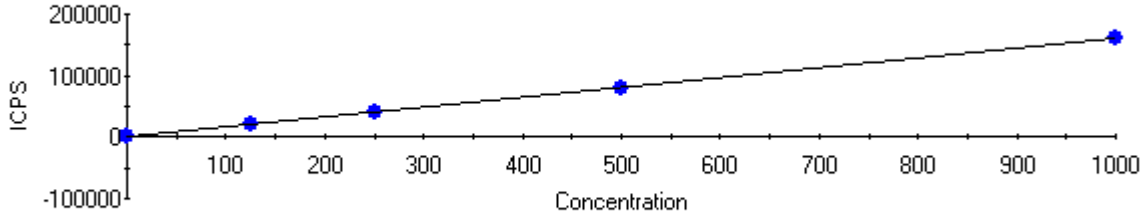
## 66Zn FQ Block 1




Intercept CPS=125.601747 Intercept Conc=0.626675
Sensitivity=200.425551 Correlation Coeff=0.999983

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 125.60 | 0.00 |
| S1 (S) | 2.000 | 2.469 | 0.469 | 620.48 | 23.46 |
| S2 (S) | 250.000 | 254.609 | 4.609 | 51155.65 | 1.84 |
| S3 (S) | 500.000 | 501.627 | 1.627 | 100664.56 | 0.33 |
| S4 (S) | 1000.000 | 1008.845 | 8.845 | 202323.94 | 0.88 |
| S5 (S) | 2000.000 | 1994.594 | 5.406 | 399893.21 | 0.27 |

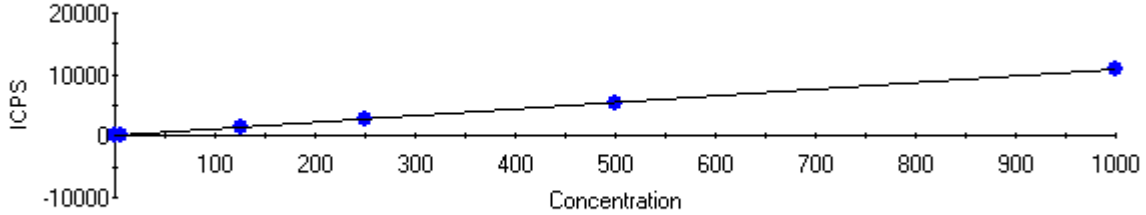
## 75As FQ Block 1




Intercept CPS=2.720502 Intercept Conc=0.017063
Sensitivity=159.437048 Correlation Coeff=0.999989

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 2.72 | 0.00 |
| S1 (S) | 1.000 | 1.116 | 0.116 | 180.66 | 11.60 |
| S2 (S) | 125.000 | 124.700 | 0.300 | 19884.45 | 0.24 |
| S3 (S) | 250.000 | 246.244 | 3.756 | 39263.18 | 1.50 |
| S4 (S) | 500.000 | 498.375 | 1.625 | 79462.23 | 0.32 |
| S5 (S) | 1000.000 | 1001.789 | 1.789 | 159724.94 | 0.18 |

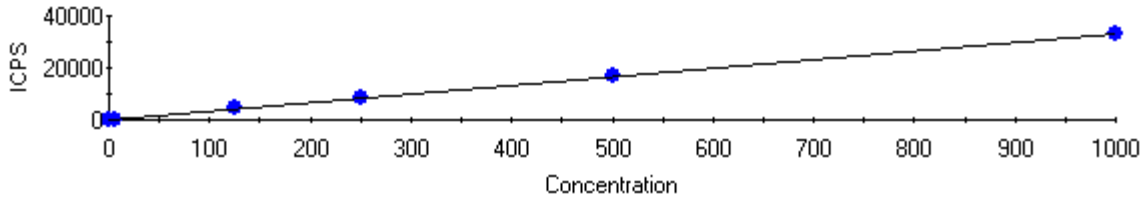
## 77Se FQ Block 1




Intercept CPS=0.252510 Intercept Conc=0.023093
Sensitivity=10.934447 Correlation Coeff=0.999975

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | -0.000 | 0.000 | 0.25 | 0.00 |
| S1 (S) | 5.000 | 4.661 | 0.339 | 51.22 | 6.79 |
| S2 (S) | 125.000 | 125.129 | 0.129 | 1368.47 | 0.10 |
| S3 (S) | 250.000 | 249.940 | 0.060 | 2733.20 | 0.02 |
| S4 (S) | 500.000 | 494.306 | 5.694 | 5405.22 | 1.14 |
| S5 (S) | 1000.000 | 1002.848 | 2.848 | 10965.84 | 0.28 |

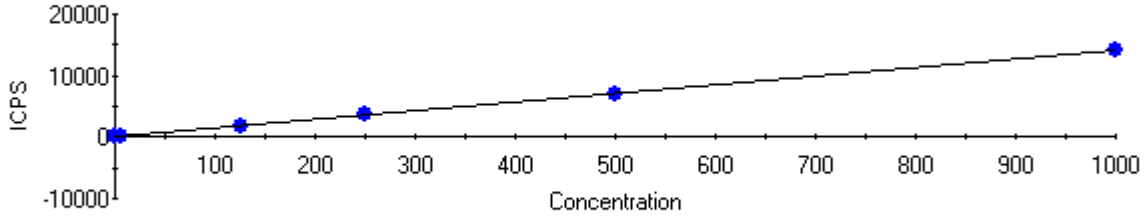
## 78Se FQ Block 1




Intercept CPS=172.110134 Intercept Conc=5.232963
Sensitivity=32.889612 Correlation Coeff=0.999987

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 172.11 | 0.00 |
| S1 (S) | 5.000 | 4.807 | 0.193 | 330.22 | 3.86 |
| S2 (S) | 125.000 | 125.995 | 0.995 | 4316.03 | 0.80 |
| S3 (S) | 250.000 | 249.540 | 0.460 | 8379.37 | 0.18 |
| S4 (S) | 500.000 | 503.927 | 3.927 | 16746.08 | 0.79 |
| S5 (S) | 1000.000 | 998.028 | 1.972 | 32996.87 | 0.20 |

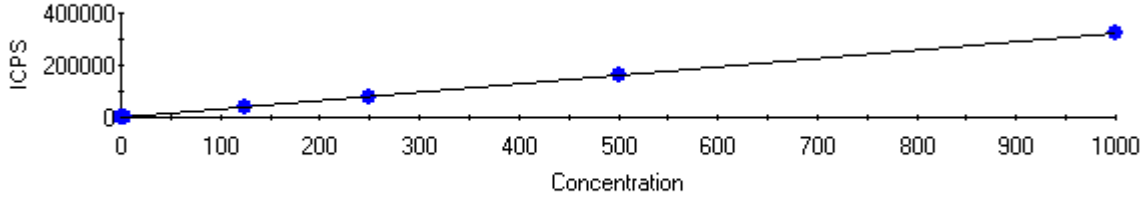
## 82Se FQ Block 1




Intercept CPS=0.327963 Intercept Conc=0.023062
Sensitivity=14.220767 Correlation Coeff=0.999973

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 0.33 | 0.00 |
| S1 (S) | 5.000 | 4.652 | 0.348 | 66.49 | 6.95 |
| S2 (S) | 125.000 | 125.007 | 0.007 | 1778.03 | 0.01 |
| S3 (S) | 250.000 | 249.400 | 0.600 | 3546.98 | 0.24 |
| S4 (S) | 500.000 | 494.188 | 5.812 | 7028.07 | 1.16 |
| S5 (S) | 1000.000 | 1003.057 | 3.057 | 14264.56 | 0.31 |

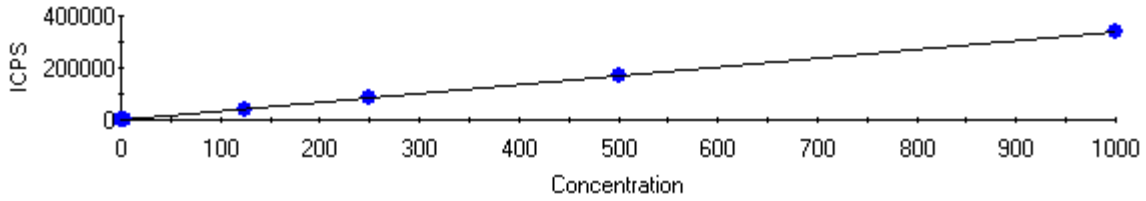
## 94Mo FQ Block 1




Intercept CPS=30.193205 Intercept Conc=0.093751
Sensitivity=322.055861 Correlation Coeff=0.999937

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | -0.000 | 0.000 | 30.19 | 0.00 |
| S1 (S) | 5.000 | 2.991 | 2.009 | 993.39 | 40.18 |
| S2 (S) | 125.000 | 121.585 | 3.415 | 39187.41 | 2.73 |
| S3 (S) | 250.000 | 243.573 | 6.427 | 78474.29 | 2.57 |
| S4 (S) | 500.000 | 492.327 | 7.673 | 158586.91 | 1.53 |
| S5 (S) | 1000.000 | 1005.880 | 5.880 | 323979.84 | 0.59 |

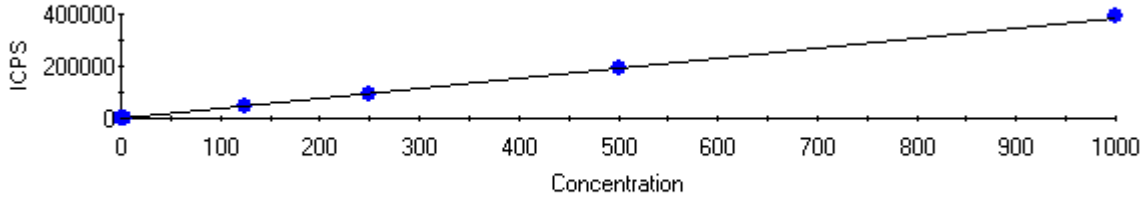
**95Mo FQ Block 1**




Intercept CPS=20.320742 Intercept Conc=0.059865
Sensitivity=339.442317 Correlation Coeff=0.999946

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 20.32 | 0.00 |
| S1 (S) | 5.000 | 4.746 | 0.254 | 1631.27 | 5.08 |
| S2 (S) | 125.000 | 122.929 | 2.071 | 41747.58 | 1.66 |
| S3 (S) | 250.000 | 243.874 | 6.126 | 82801.64 | 2.45 |
| S4 (S) | 500.000 | 493.442 | 6.558 | 167515.49 | 1.31 |
| S5 (S) | 1000.000 | 1005.070 | 5.070 | 341183.76 | 0.51 |

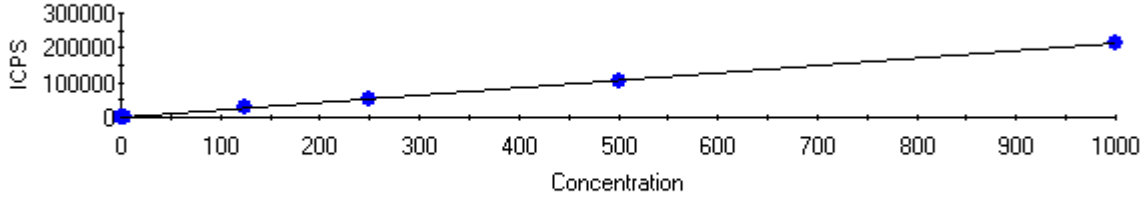
**96Mo FQ Block 1**




Intercept CPS=25.026226 Intercept Conc=0.064434
Sensitivity=388.402952 Correlation Coeff=0.999962

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 25.03 | 0.00 |
| S1 (S) | 5.000 | 4.546 | 0.454 | 1790.86 | 9.07 |
| S2 (S) | 125.000 | 122.119 | 2.881 | 47456.35 | 2.30 |
| S3 (S) | 250.000 | 244.007 | 5.993 | 94798.01 | 2.40 |
| S4 (S) | 500.000 | 495.181 | 4.819 | 192354.84 | 0.96 |
| S5 (S) | 1000.000 | 1004.270 | 4.270 | 390086.51 | 0.43 |

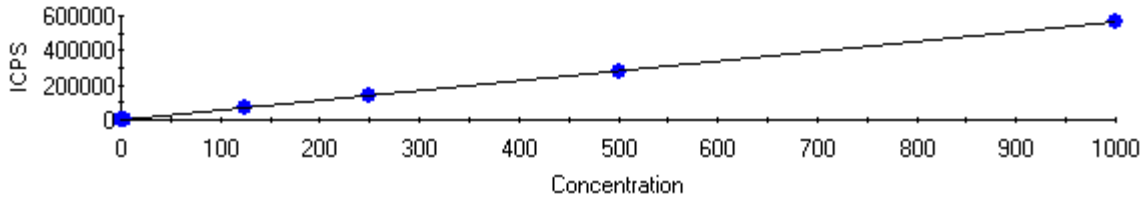
**97Mo FQ Block 1**




Intercept CPS=19.793978 Intercept Conc=0.092047
Sensitivity=215.041603 Correlation Coeff=0.999963

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 19.79 | 0.00 |
| S1 (S) | 5.000 | 4.783 | 0.217 | 1048.28 | 4.35 |
| S2 (S) | 125.000 | 122.056 | 2.944 | 26266.87 | 2.36 |
| S3 (S) | 250.000 | 244.905 | 5.095 | 52684.50 | 2.04 |
| S4 (S) | 500.000 | 494.676 | 5.324 | 106395.75 | 1.06 |
| S5 (S) | 1000.000 | 1004.305 | 4.305 | 215987.11 | 0.43 |

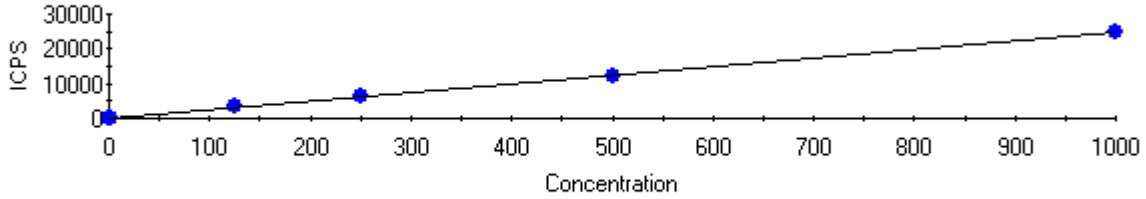
## 98Mo FQ Block 1




Intercept CPS=33.853716 Intercept Conc=0.060097
Sensitivity=563.321672 Correlation Coeff=0.999963

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 33.85 | 0.00 |
| S1 (S) | 5.000 | 4.724 | 0.276 | 2694.90 | 5.52 |
| S2 (S) | 125.000 | 122.118 | 2.882 | 68825.69 | 2.31 |
| S3 (S) | 250.000 | 241.989 | 8.011 | 136351.32 | 3.20 |
| S4 (S) | 500.000 | 499.468 | 0.532 | 281394.79 | 0.11 |
| S5 (S) | 1000.000 | 1002.631 | 2.631 | 564837.41 | 0.26 |

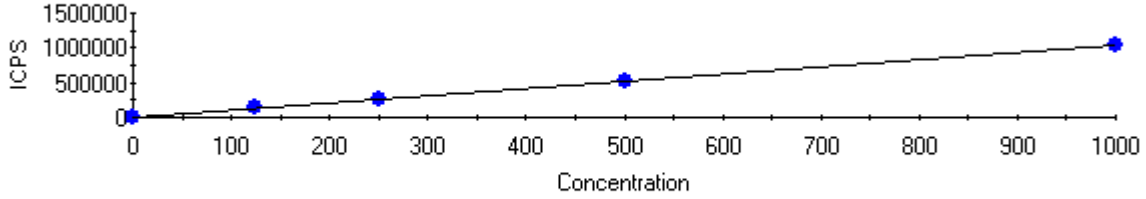
## 106Cd FQ Block 1




Intercept CPS=123.372196 Intercept Conc=5.028266
Sensitivity=24.535734 Correlation Coeff=0.999964

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 123.37 | 0.00 |
| S1 (S) | 1.000 | 0.982 | 0.018 | 147.46 | 1.82 |
| S2 (S) | 125.000 | 126.117 | 1.117 | 3217.75 | 0.89 |
| S3 (S) | 250.000 | 243.448 | 6.552 | 6096.55 | 2.62 |
| S4 (S) | 500.000 | 497.004 | 2.996 | 12317.72 | 0.60 |
| S5 (S) | 1000.000 | 1002.997 | 2.997 | 24732.63 | 0.30 |

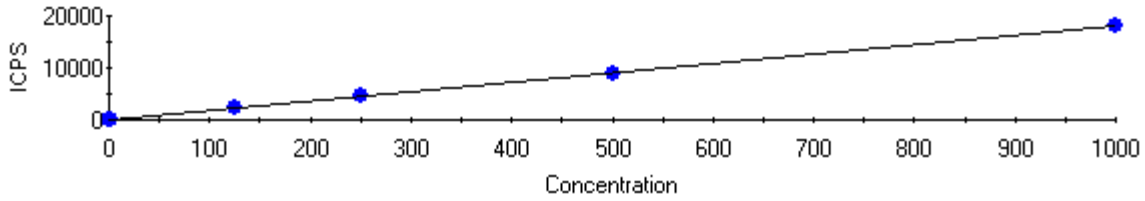
## 107Ag FQ Block 1




Intercept CPS=30.741051 Intercept Conc=0.029657
Sensitivity=1036.559361 Correlation Coeff=0.999988

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 30.74 | 0.00 |
| S1 (S) | 1.000 | 1.099 | 0.099 | 1169.99 | 9.91 |
| S2 (S) | 125.000 | 127.628 | 2.628 | 132324.49 | 2.10 |
| S3 (S) | 250.000 | 250.653 | 0.653 | 259847.12 | 0.26 |
| S4 (S) | 500.000 | 503.485 | 3.485 | 521922.62 | 0.70 |
| S5 (S) | 1000.000 | 997.766 | 2.234 | 1034274.29 | 0.22 |

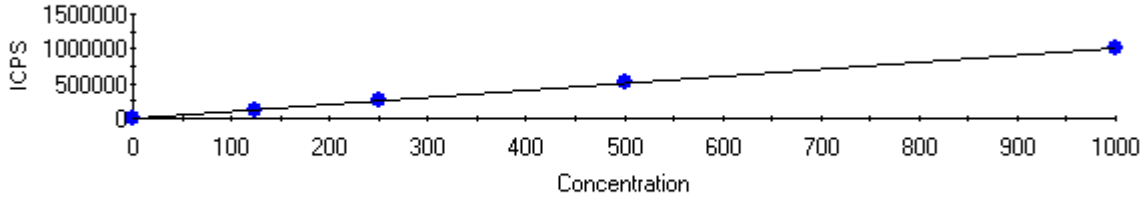
## 108Cd FQ Block 1




Intercept CPS=90.062947 Intercept Conc=5.042326
Sensitivity=17.861390 Correlation Coeff=0.999965

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 90.06 | 0.00 |
| S1 (S) | 1.000 | 0.983 | 0.017 | 107.63 | 1.67 |
| S2 (S) | 125.000 | 126.280 | 1.280 | 2345.60 | 1.02 |
| S3 (S) | 250.000 | 243.597 | 6.403 | 4441.04 | 2.56 |
| S4 (S) | 500.000 | 497.067 | 2.933 | 8968.38 | 0.59 |
| S5 (S) | 1000.000 | 1002.907 | 2.907 | 18003.38 | 0.29 |

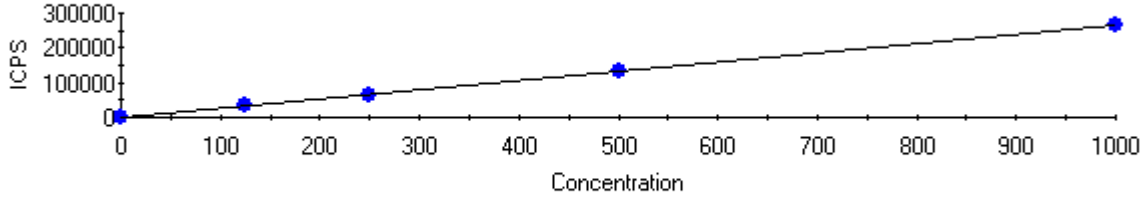
## 109Ag FQ Block 1




Intercept CPS=27.071347 Intercept Conc=0.026634
Sensitivity=1016.415907 Correlation Coeff=0.999988

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 27.07 | 0.00 |
| S1 (S) | 1.000 | 1.086 | 0.086 | 1130.52 | 8.56 |
| S2 (S) | 125.000 | 126.855 | 1.855 | 128964.32 | 1.48 |
| S3 (S) | 250.000 | 250.138 | 0.138 | 254271.80 | 0.06 |
| S4 (S) | 500.000 | 503.772 | 3.772 | 512069.05 | 0.75 |
| S5 (S) | 1000.000 | 997.847 | 2.153 | 1014255.04 | 0.22 |

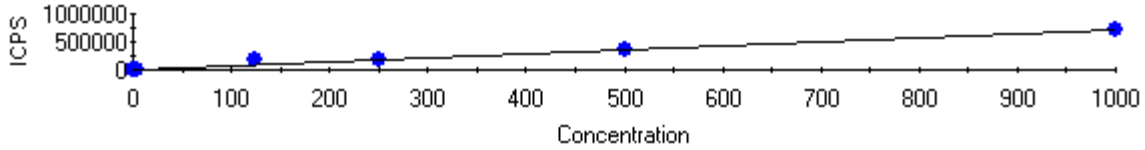
## 111Cd FQ Block 1




Intercept CPS=99.454678 Intercept Conc=0.378917
Sensitivity=262.470782 Correlation Coeff=0.999993

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | -0.000 | 0.000 | 99.45 | 0.00 |
| S1 (S) | 1.000 | 1.012 | 0.012 | 365.03 | 1.18 |
| S2 (S) | 125.000 | 125.305 | 0.305 | 32988.41 | 0.24 |
| S3 (S) | 250.000 | 246.811 | 3.189 | 64880.25 | 1.28 |
| S4 (S) | 500.000 | 500.538 | 0.538 | 131475.95 | 0.11 |
| S5 (S) | 1000.000 | 1000.490 | 0.490 | 262698.89 | 0.05 |

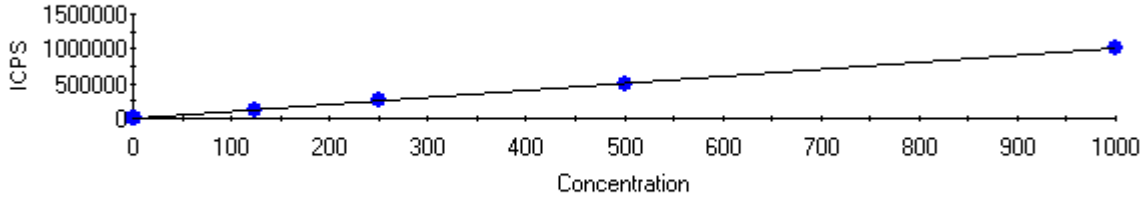
## 118Sn FQ Block 1




Intercept CPS=118.683946 Intercept Conc=0.166244
Sensitivity=713.913679 Correlation Coeff=0.992667
Failed : Correlation Check
Results for this analyte will be semi-quant

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | -0.000 | 0.000 | 118.68 | 0.00 |
| S1 (S) | 5.000 | 4.309 | 0.691 | 3631.66 | 13.82 |
| S2 (S) | 125.000 | 206.838 | 81.838 | 168739.27 | 65.47 |
| S3 (S) | 250.000 | 214.062 | 35.938 | 174628.54 | 14.38 |
| S4 (S) | 500.000 | 431.090 | 68.910 | 351556.72 | 13.78 |
| S5 (S) | 1000.000 | 868.150 | 131.850 | 707861.52 | 13.18 |

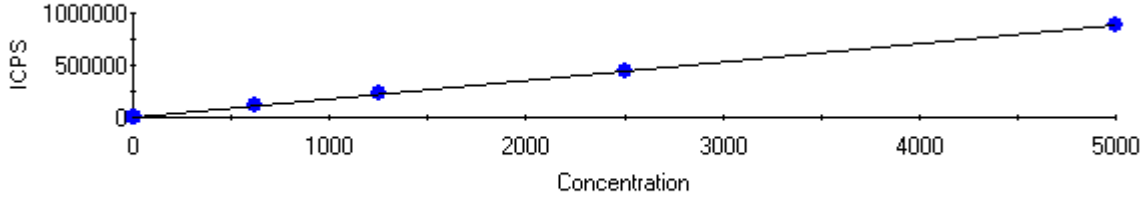
## 121Sb FQ Block 1




Intercept CPS=76.048208 Intercept Conc=0.075687
Sensitivity=1004.774074 Correlation Coeff=0.999990

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 76.05 | 0.00 |
| S1 (S) | 2.000 | 1.941 | 0.059 | 2026.71 | 2.93 |
| S2 (S) | 125.000 | 123.501 | 1.499 | 124166.91 | 1.20 |
| S3 (S) | 250.000 | 246.015 | 3.985 | 247265.22 | 1.59 |
| S4 (S) | 500.000 | 500.822 | 0.822 | 503288.52 | 0.16 |
| S5 (S) | 1000.000 | 1000.773 | 0.773 | 1005626.84 | 0.08 |

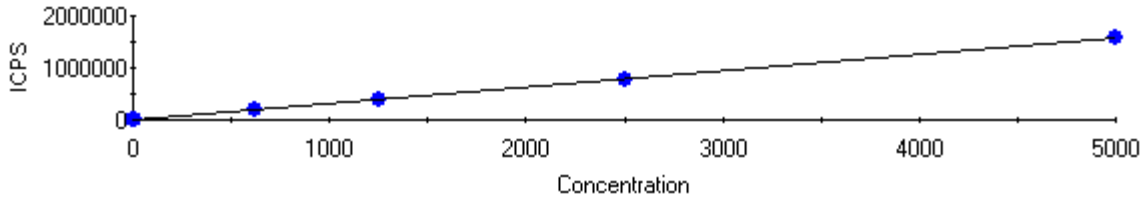
## 135Ba FQ Block 1




Intercept CPS=52.066902 Intercept Conc=0.292595
Sensitivity=177.948848 Correlation Coeff=0.999998

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 52.07 | 0.00 |
| S1 (S) | 10.000 | 9.925 | 0.075 | 1818.17 | 0.75 |
| S2 (S) | 625.000 | 627.768 | 2.768 | 111762.73 | 0.44 |
| S3 (S) | 1250.000 | 1243.024 | 6.976 | 221246.70 | 0.56 |
| S4 (S) | 2500.000 | 2495.466 | 4.534 | 444117.28 | 0.18 |
| S5 (S) | 5000.000 | 5003.665 | 3.665 | 890448.56 | 0.07 |

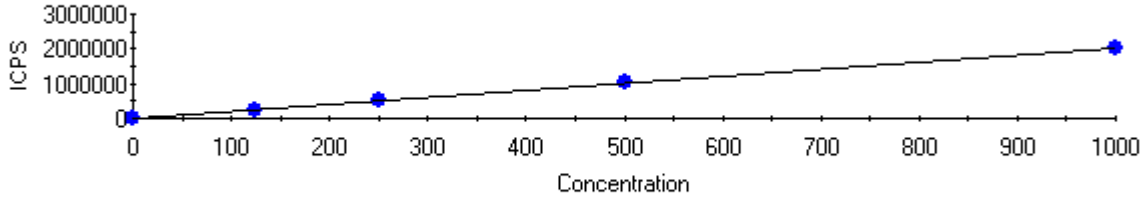
## 137Ba FQ Block 1




Intercept CPS=66.171010 Intercept Conc=0.209716
Sensitivity=315.526642 Correlation Coeff=0.999995

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 66.17 | 0.00 |
| S1 (S) | 10.000 | 9.899 | 0.101 | 3189.62 | 1.01 |
| S2 (S) | 625.000 | 628.885 | 3.885 | 198496.19 | 0.62 |
| S3 (S) | 1250.000 | 1240.931 | 9.069 | 391613.02 | 0.73 |
| S4 (S) | 2500.000 | 2490.857 | 9.143 | 785998.02 | 0.37 |
| S5 (S) | 5000.000 | 5006.353 | 6.353 | 1579703.95 | 0.13 |

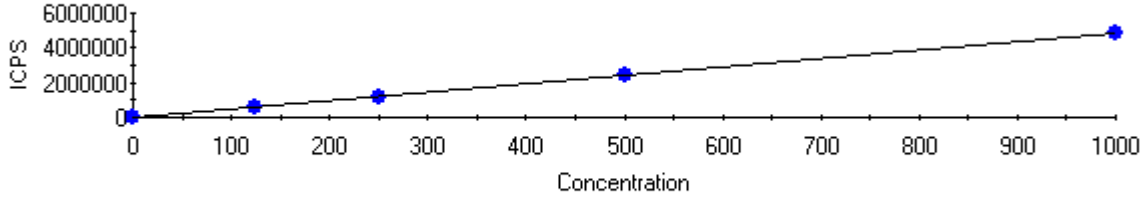
## 203Tl FQ Block 1




Intercept CPS=131.778325 Intercept Conc=0.065406
Sensitivity=2014.765273 Correlation Coeff=0.999994

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | -0.000 | 0.000 | 131.78 | 0.00 |
| S1 (S) | 1.000 | 1.058 | 0.058 | 2263.72 | 5.82 |
| S2 (S) | 125.000 | 125.131 | 0.131 | 252242.11 | 0.11 |
| S3 (S) | 250.000 | 247.476 | 2.524 | 498738.12 | 1.01 |
| S4 (S) | 500.000 | 501.826 | 1.826 | 1011193.89 | 0.37 |
| S5 (S) | 1000.000 | 999.701 | 0.299 | 2014295.35 | 0.03 |

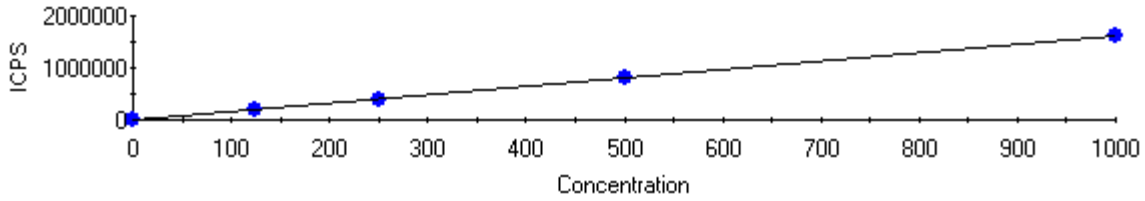
## 205Tl FQ Block 1




Intercept CPS=284.333365 Intercept Conc=0.058353
Sensitivity=4872.656894 Correlation Coeff=0.999996

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 284.33 | 0.00 |
| S1 (S) | 1.000 | 1.054 | 0.054 | 5420.46 | 5.41 |
| S2 (S) | 125.000 | 124.481 | 0.519 | 606838.31 | 0.42 |
| S3 (S) | 250.000 | 248.409 | 1.591 | 1210697.62 | 0.64 |
| S4 (S) | 500.000 | 501.900 | 1.900 | 2445871.65 | 0.38 |
| S5 (S) | 1000.000 | 999.512 | 0.488 | 4870565.28 | 0.05 |

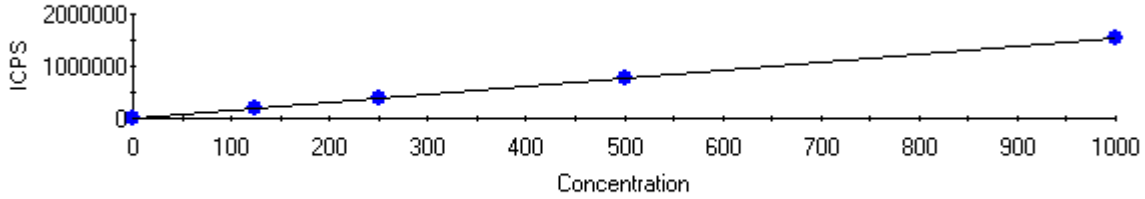
## 206Pb FQ Block 1




Intercept CPS=166.643213 Intercept Conc=0.103160
Sensitivity=1615.383857 Correlation Coeff=0.999991

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 166.64 | 0.00 |
| S1 (S) | 1.000 | 1.020 | 0.020 | 1813.68 | 1.96 |
| S2 (S) | 125.000 | 125.543 | 0.543 | 202967.00 | 0.43 |
| S3 (S) | 250.000 | 249.627 | 0.373 | 403410.09 | 0.15 |
| S4 (S) | 500.000 | 503.416 | 3.416 | 813377.36 | 0.68 |
| S5 (S) | 1000.000 | 998.317 | 1.683 | 1612832.03 | 0.17 |

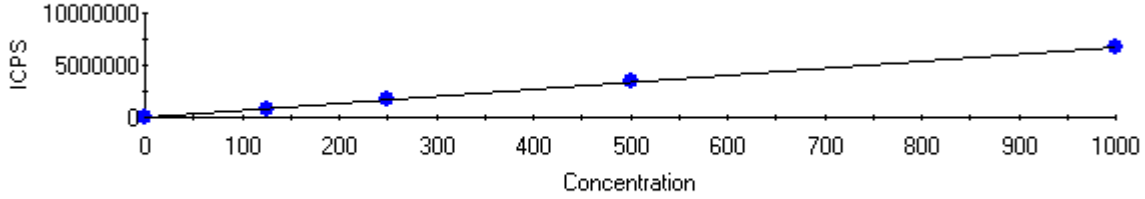
## 207Pb FQ Block 1




Intercept CPS=142.186860 Intercept Conc=0.093258
Sensitivity=1524.659787 Correlation Coeff=0.999992

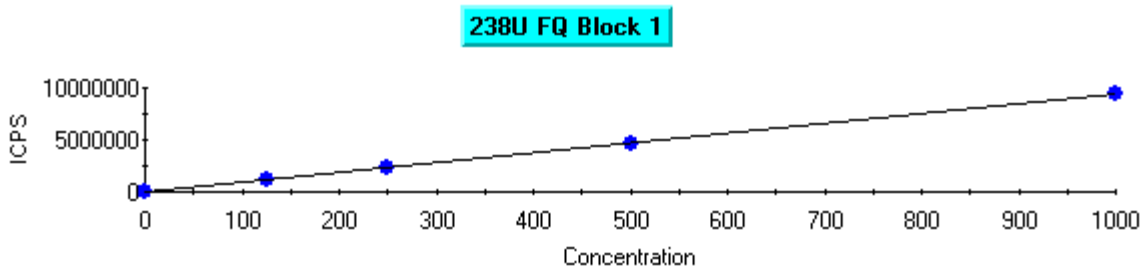
| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | -0.000 | 0.000 | 142.19 | 0.00 |
| S1 (S) | 1.000 | 1.046 | 0.046 | 1737.06 | 4.61 |
| S2 (S) | 125.000 | 125.027 | 0.027 | 190765.70 | 0.02 |
| S3 (S) | 250.000 | 249.217 | 0.783 | 380113.78 | 0.31 |
| S4 (S) | 500.000 | 503.191 | 3.191 | 767337.41 | 0.64 |
| S5 (S) | 1000.000 | 998.597 | 1.403 | 1522662.45 | 0.14 |

## 208Pb FQ Block 1




Intercept CPS=662.488308 Intercept Conc=0.098319
Sensitivity=6738.131384 Correlation Coeff=0.999988

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | -0.000 | 0.000 | 662.49 | 0.00 |
| S1 (S) | 1.000 | 1.024 | 0.024 | 7564.33 | 2.43 |
| S2 (S) | 125.000 | 124.860 | 0.140 | 841986.16 | 0.11 |
| S3 (S) | 250.000 | 248.741 | 1.259 | 1676713.58 | 0.50 |
| S4 (S) | 500.000 | 503.674 | 3.674 | 3394480.88 | 0.73 |
| S5 (S) | 1000.000 | 998.495 | 1.505 | 6728655.64 | 0.15 |




Intercept CPS=370.789444 Intercept Conc=0.039475
Sensitivity=9393.029416 Correlation Coeff=0.999982

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | -0.000 | 0.000 | 370.79 | 0.00 |
| S1 (S) | 0.000 | 0.028 | 0.028 | 635.08 | 0.00 |
| S2 (S) | 125.000 | 121.689 | 3.311 | 1143397.09 | 2.65 |
| S3 (S) | 250.000 | 245.821 | 4.179 | 2309376.70 | 1.67 |
| S4 (S) | 500.000 | 497.286 | 2.714 | 4671397.43 | 0.54 |
| S5 (S) | 1000.000 | 1002.815 | 2.815 | 9419844.90 | 0.28 |

## Dilution Corrected Concentrations

**S0 (S0)** 05/01/2011 01:50:34 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:51:42 | 100% | 0.000 | 0.218 | 0.000 | -1.723 | -0.309 | -0.270 | -0.656 | -0.192 |
| 2 | 01:52:50 | 99% | -0.024 | -0.014 | 0.000 | 2.787 | -0.460 | -0.014 | -0.439 | -0.220 |
| 3 | 01:53:58 | 101% | 0.024 | -0.205 | 0.000 | -1.064 | 0.769 | 0.284 | 1.095 | 0.412 |
| x | | 100% | 0.000 | -0.000 | 0.000 | 0.000 | -0.000 | 0.000 | -0.000 | -0.000 |
| σ | | 1% | 0.024 | 0.212 | 0.000 | 2.436 | 0.670 | 0.277 | 0.954 | 0.357 |
| %RSD | | 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:51:42 | -0.852 | 0.324 | 0.000 | 0.000 | 1.542 | 0.477 | 4.152 | 100% | -0.721 |
| 2 | 01:52:50 | 0.484 | -1.333 | 0.000 | 0.000 | 0.768 | -3.701 | -0.188 | 100% | 0.154 |
| 3 | 01:53:58 | 0.367 | 1.009 | 0.000 | 0.000 | -2.310 | 3.225 | -3.964 | 100% | 0.567 |
| x | | 0.000 | -0.000 | 0.000 | 0.000 | 0.000 | -0.000 | 0.000 | 100% | 0.000 |
| σ | | 0.740 | 1.204 | 0.000 | 0.000 | 2.038 | 3.488 | 4.061 | 0% | 0.657 |
| %RSD | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0 | 0.000 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:51:42 | -0.137 | -0.026 | 0.573 | -1.414 | -0.004 | -0.554 | -1.374 | -0.009 | -0.014 |
| 2 | 01:52:50 | 0.390 | -0.012 | -0.380 | 0.216 | -0.011 | -0.216 | 0.024 | -0.002 | 0.008 |
| 3 | 01:53:58 | -0.254 | 0.038 | -0.194 | 1.198 | 0.015 | 0.769 | 1.350 | 0.011 | 0.006 |
| x | | 0.000 | -0.000 | -0.000 | -0.000 | 0.000 | 0.000 | 0.000 | -0.000 | 0.000 |
| σ | | 0.343 | 0.034 | 0.505 | 1.319 | 0.013 | 0.687 | 1.362 | 0.010 | 0.013 |
| %RSD | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:51:42 | -0.022 | 0.000 | 0.099 | -0.102 | -0.061 | 0.018 | 0.398 | -0.061 | -0.898 |
| 2 | 01:52:50 | -0.001 | -0.017 | 0.054 | -0.120 | 0.049 | 0.025 | 0.164 | 0.049 | 0.806 |
| 3 | 01:53:58 | 0.023 | 0.017 | -0.154 | 0.222 | 0.012 | -0.043 | -0.562 | 0.012 | 0.092 |
| x | | 0.000 | -0.000 | 0.000 | 0.000 | -0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| σ | | 0.022 | 0.017 | 0.135 | 0.193 | 0.056 | 0.037 | 0.501 | 0.056 | 0.856 |
| %RSD | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:51:42 | 0.023 | -0.014 | 0.000 | -0.012 | -0.010 | -0.001 | 100% | -0.369 | -0.002 |
| 2 | 01:52:50 | -0.025 | 0.014 | 0.013 | 0.010 | 0.007 | 0.002 | 99% | -0.217 | 0.004 |
| 3 | 01:53:58 | 0.002 | -0.001 | -0.013 | 0.002 | 0.003 | -0.001 | 101% | 0.586 | -0.001 |
| x | | -0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 100% | 0.000 | 0.000 |
| σ | | 0.024 | 0.014 | 0.013 | 0.011 | 0.009 | 0.002 | 1% | 0.513 | 0.003 |
| %RSD | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1 | 0.000 | 0.000 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:51:42 | 0.204 | -0.371 | -0.000 | -0.033 | -0.004 | -0.012 | 0.006 | -0.007 | 100% |
| 2 | 01:52:50 | 0.120 | -0.218 | -0.002 | 0.001 | -0.014 | 0.009 | -0.028 | 0.024 | 100% |
| 3 | 01:53:58 | -0.324 | 0.588 | 0.002 | 0.032 | 0.018 | 0.003 | 0.022 | -0.018 | 100% |
| x | | -0.000 | 0.000 | 0.000 | -0.000 | -0.000 | 0.000 | 0.000 | 0.000 | 100% |
| σ | | 0.284 | 0.515 | 0.002 | 0.032 | 0.016 | 0.011 | 0.025 | 0.022 | 0% |
| %RSD | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:51:42 | 100% | 0.004 | 0.008 | 0.003 | -0.000 | 0.000 | 100% | -0.003 |
| 2 | 01:52:50 | 100% | 0.005 | -0.005 | -0.011 | -0.001 | -0.002 | 100% | -0.004 |
| 3 | 01:53:58 | 100% | -0.009 | -0.003 | 0.008 | 0.001 | 0.001 | 100% | 0.007 |
| x | | 100% | -0.000 | 0.000 | 0.000 | -0.000 | -0.000 | 100% | -0.000 |
| σ | | 0% | 0.008 | 0.007 | 0.010 | 0.001 | 0.002 | 0% | 0.006 |
| %RSD | | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0 | 0.000 |

**S1 (S)** 05/01/2011 01:58:25 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:59:33 | 99% | 0.917 | 4.383 | 0.000 | 479.200 | 515.600 | 514.500 | 513.000 | 22.930 |
| 2 | 02:00:41 | 100% | 0.920 | 5.675 | 0.000 | 475.400 | 514.400 | 516.500 | 516.200 | 22.920 |
| 3 | 02:01:49 | 100% | 1.007 | 5.362 | 0.000 | 466.800 | 508.600 | 510.100 | 509.600 | 22.350 |
| x | | 100% | 0.948 | 5.140 | 0.000 | 473.800 | 512.900 | 513.700 | 512.900 | 22.730 |
| σ | | 1% | 0.051 | 0.674 | 0.000 | 6.350 | 3.766 | 3.237 | 3.321 | 0.336 |
| %RSD | | 1 | 5.412 | 13.110 | 0.000 | 1.340 | 0.734 | 0.630 | 0.647 | 1.479 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:59:33 | 5.468 | 3.104 | 0.000 | 0.000 | 497.000 | 505.100 | 491.000 | 99% | 4.238 |
| 2 | 02:00:41 | 6.739 | 2.973 | 0.000 | 0.000 | 502.200 | 430.500 | 507.700 | 97% | 3.363 |
| 3 | 02:01:49 | 5.699 | -2.757 | 0.000 | 0.000 | 495.800 | 454.500 | 487.400 | 98% | 4.666 |
| x | | 5.968 | 1.107 | 0.000 | 0.000 | 498.300 | 463.300 | 495.400 | 98% | 4.089 |
| σ | | 0.677 | 3.347 | 0.000 | 0.000 | 3.401 | 38.080 | 10.870 | 1% | 0.664 |
| %RSD | | 11.350 | 302.400 | 0.000 | 0.000 | 0.683 | 8.219 | 2.195 | 1 | 16.250 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:59:33 | 5.350 | 1.920 | -1.643 | 205.500 | 1.104 | 202.900 | 203.000 | 1.065 | 1.126 |
| 2 | 02:00:41 | 6.048 | 2.135 | -1.723 | 203.100 | 1.101 | 204.800 | 211.100 | 1.136 | 1.122 |
| 3 | 02:01:49 | 5.064 | 2.018 | -1.751 | 204.200 | 1.026 | 203.000 | 214.000 | 0.991 | 1.035 |
| x | | 5.487 | 2.024 | -1.706 | 204.200 | 1.077 | 203.600 | 209.400 | 1.064 | 1.094 |
| σ | | 0.507 | 0.107 | 0.056 | 1.207 | 0.044 | 1.070 | 5.692 | 0.073 | 0.051 |
| %RSD | | 9.232 | 5.297 | 3.282 | 0.591 | 4.099 | 0.526 | 2.719 | 6.843 | 4.670 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:59:33 | 2.195 | 2.156 | 2.576 | 0.843 | 3.719 | 0.023 | 4.529 | 3.715 | 0.316 |
| 2 | 02:00:41 | 2.229 | 2.423 | 2.420 | 1.459 | 5.120 | -0.073 | 4.566 | 5.103 | -0.204 |
| 3 | 02:01:49 | 2.052 | 2.144 | 2.411 | 1.047 | 5.144 | -0.008 | 5.327 | 5.139 | 0.164 |
| x | | 2.159 | 2.241 | 2.469 | 1.116 | 4.661 | -0.019 | 4.807 | 4.652 | 0.092 |
| σ | | 0.094 | 0.158 | 0.093 | 0.314 | 0.816 | 0.049 | 0.451 | 0.812 | 0.267 |
| %RSD | | 4.341 | 7.045 | 3.755 | 28.130 | 17.510 | 254.100 | 9.372 | 17.450 | 290.200 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:59:33 | 3.024 | 4.628 | 4.407 | 4.851 | 4.549 | -0.001 | 99% | 1.420 | 1.191 |
| 2 | 02:00:41 | 2.910 | 4.886 | 4.666 | 4.564 | 4.719 | 0.002 | 99% | -0.027 | 1.021 |
| 3 | 02:01:49 | 3.038 | 4.724 | 4.566 | 4.933 | 4.904 | 0.016 | 98% | 1.553 | 1.085 |
| x | | 2.991 | 4.746 | 4.546 | 4.783 | 4.724 | 0.006 | 99% | 0.982 | 1.099 |
| σ | | 0.070 | 0.131 | 0.131 | 0.194 | 0.178 | 0.009 | 1% | 0.877 | 0.086 |
| %RSD | | 2.336 | 2.750 | 2.875 | 4.061 | 3.763 | 158.900 | 1 | 89.270 | 7.843 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:59:33 | -0.246 | 1.422 | 1.120 | 1.084 | 4.331 | 1.891 | 10.250 | 9.866 | 99% |
| 2 | 02:00:41 | 0.597 | -0.027 | 1.074 | 0.883 | 4.344 | 1.946 | 9.204 | 9.934 | 99% |
| 3 | 02:01:49 | -0.215 | 1.555 | 1.063 | 1.068 | 4.253 | 1.988 | 10.320 | 9.898 | 99% |
| x | | 0.046 | 0.983 | 1.086 | 1.012 | 4.309 | 1.941 | 9.925 | 9.899 | 99% |
| σ | | 0.478 | 0.878 | 0.030 | 0.112 | 0.049 | 0.049 | 0.626 | 0.034 | 0% |
| %RSD | | 1050.000 | 89.270 | 2.802 | 11.050 | 1.144 | 2.510 | 6.303 | 0.343 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:59:33 | 99% | 1.177 | 1.093 | 1.028 | 1.084 | 1.044 | 99% | 0.054 |
| 2 | 02:00:41 | 99% | 0.970 | 1.056 | 1.030 | 1.073 | 1.020 | 99% | 0.024 |
| 3 | 02:01:49 | 99% | 1.027 | 1.013 | 1.000 | 0.982 | 1.009 | 98% | 0.006 |
| x | | 99% | 1.058 | 1.054 | 1.020 | 1.046 | 1.024 | 99% | 0.028 |
| σ | | 0% | 0.107 | 0.040 | 0.017 | 0.056 | 0.018 | 1% | 0.024 |
| %RSD | | 0 | 10.100 | 3.797 | 1.639 | 5.322 | 1.778 | 1 | 85.320 |

**S2 (S)** 05/01/2011 02:06:18 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:07:26 | 94% | 127.300 | 120.000 | 0.000 | 12880.000 | 12850.000 | 12990.000 | 12900.000 | 2649.000 |
| 2 | 02:08:34 | 94% | 126.300 | 124.500 | 0.000 | 12490.000 | 12670.000 | 12570.000 | 12520.000 | 2570.000 |
| 3 | 02:09:42 | 93% | 126.400 | 132.300 | 0.000 | 12590.000 | 12710.000 | 12680.000 | 12650.000 | 2552.000 |
| x | | 94% | 126.700 | 125.600 | 0.000 | 12660.000 | 12740.000 | 12750.000 | 12690.000 | 2591.000 |
| σ | | 0% | 0.510 | 6.187 | 0.000 | 201.200 | 95.700 | 216.600 | 192.900 | 51.420 |
| %RSD | | 1 | 0.403 | 4.925 | 0.000 | 1.590 | 0.751 | 1.699 | 1.520 | 1.985 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:07:26 | 122.200 | 2568.000 | 0.000 | 0.000 | 6415.000 | 12050.000 | 12630.000 | 92% | 123.400 |
| 2 | 02:08:34 | 124.900 | 2501.000 | 0.000 | 0.000 | 6290.000 | 11300.000 | 12300.000 | 92% | 122.300 |
| 3 | 02:09:42 | 118.400 | 2509.000 | 0.000 | 0.000 | 6273.000 | 11680.000 | 12260.000 | 93% | 121.100 |
| x | | 121.800 | 2526.000 | 0.000 | 0.000 | 6326.000 | 11680.000 | 12400.000 | 92% | 122.300 |
| σ | | 3.273 | 36.700 | 0.000 | 0.000 | 77.770 | 373.900 | 199.300 | 1% | 1.187 |
| %RSD | | 2.686 | 1.453 | 0.000 | 0.000 | 1.229 | 3.201 | 1.608 | 1 | 0.971 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:07:26 | 126.500 | 127.600 | -0.579 | 6587.000 | 256.200 | 6410.000 | 6535.000 | 130.100 | 130.500 |
| 2 | 02:08:34 | 124.500 | 124.500 | -0.271 | 6447.000 | 254.900 | 6266.000 | 6396.000 | 126.300 | 128.300 |
| 3 | 02:09:42 | 123.000 | 123.000 | -0.901 | 6430.000 | 249.000 | 6196.000 | 6392.000 | 125.500 | 124.900 |
| x | | 124.700 | 125.000 | -0.584 | 6488.000 | 253.400 | 6291.000 | 6441.000 | 127.300 | 127.900 |
| σ | | 1.769 | 2.346 | 0.315 | 85.960 | 3.860 | 109.100 | 81.730 | 2.450 | 2.850 |
| %RSD | | 1.419 | 1.876 | 53.960 | 1.325 | 1.524 | 1.734 | 1.269 | 1.924 | 2.228 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:07:26 | 263.300 | 260.400 | 262.100 | 125.100 | 125.200 | 0.139 | 129.300 | 125.300 | 1.175 |
| 2 | 02:08:34 | 252.400 | 250.400 | 250.600 | 125.800 | 125.600 | -0.638 | 125.800 | 125.300 | -0.695 |
| 3 | 02:09:42 | 251.300 | 254.500 | 251.100 | 123.200 | 124.600 | -0.384 | 122.900 | 124.400 | -1.874 |
| x | | 255.700 | 255.100 | 254.600 | 124.700 | 125.100 | -0.294 | 126.000 | 125.000 | -0.465 |
| σ | | 6.655 | 4.991 | 6.461 | 1.371 | 0.520 | 0.397 | 3.181 | 0.533 | 1.537 |
| %RSD | | 2.603 | 1.957 | 2.538 | 1.100 | 0.416 | 134.700 | 2.525 | 0.427 | 330.900 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:07:26 | 124.400 | 125.700 | 126.200 | 125.400 | 125.300 | 0.003 | 90% | 130.400 | 132.300 |
| 2 | 02:08:34 | 119.900 | 121.300 | 120.500 | 120.100 | 120.900 | -0.001 | 93% | 122.800 | 125.500 |
| 3 | 02:09:42 | 120.500 | 121.800 | 119.600 | 120.700 | 120.100 | -0.001 | 93% | 125.200 | 125.100 |
| x | | 121.600 | 122.900 | 122.100 | 122.100 | 122.100 | 0.000 | 92% | 126.100 | 127.600 |
| σ | | 2.415 | 2.448 | 3.580 | 2.894 | 2.834 | 0.002 | 2% | 3.855 | 4.020 |
| %RSD | | 1.986 | 1.991 | 2.932 | 2.371 | 2.320 | 1789.000 | 2 | 3.056 | 3.150 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:07:26 | -4.732 | 130.500 | 131.300 | 129.400 | 212.900 | 127.100 | 654.200 | 645.400 | 93% |
| 2 | 02:08:34 | -4.024 | 123.000 | 123.700 | 123.100 | 202.200 | 121.100 | 615.800 | 620.800 | 97% |
| 3 | 02:09:42 | -0.940 | 125.300 | 125.500 | 123.400 | 205.400 | 122.300 | 613.300 | 620.500 | 97% |
| x | | -3.232 | 126.300 | 126.900 | 125.300 | 206.800 | 123.500 | 627.800 | 628.900 | 96% |
| σ | | 2.016 | 3.847 | 3.973 | 3.583 | 5.499 | 3.170 | 22.910 | 14.320 | 2% |
| %RSD | | 62.380 | 3.047 | 3.132 | 2.860 | 2.659 | 2.567 | 3.649 | 2.277 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:07:26 | 95% | 128.300 | 127.600 | 129.100 | 127.500 | 127.900 | 93% | 124.900 |
| 2 | 02:08:34 | 96% | 122.900 | 122.400 | 123.300 | 123.200 | 123.000 | 97% | 119.600 |
| 3 | 02:09:42 | 98% | 124.200 | 123.500 | 124.300 | 124.400 | 123.700 | 97% | 120.500 |
| x | | 96% | 125.100 | 124.500 | 125.500 | 125.000 | 124.900 | 96% | 121.700 |
| σ | | 1% | 2.838 | 2.724 | 3.086 | 2.202 | 2.665 | 2% | 2.810 |
| %RSD | | 2 | 2.268 | 2.188 | 2.458 | 1.761 | 2.134 | 2 | 2.309 |

**S3 (S)** 05/01/2011 02:14:10 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:15:18 | 91% | 244.900 | 244.700 | 0.000 | 25090.000 | 25410.000 | 25030.000 | 25040.000 | 5021.000 |
| 2 | 02:16:26 | 90% | 247.300 | 252.600 | 0.000 | 24840.000 | 25450.000 | 25110.000 | 25140.000 | 5001.000 |
| 3 | 02:17:34 | 88% | 253.800 | 251.400 | 0.000 | 25450.000 | 25620.000 | 25730.000 | 25460.000 | 5029.000 |
| x | | 90% | 248.700 | 249.600 | 0.000 | 25130.000 | 25490.000 | 25290.000 | 25210.000 | 5017.000 |
| σ | | 1% | 4.617 | 4.280 | 0.000 | 307.000 | 110.200 | 379.600 | 218.800 | 14.460 |
| %RSD | | 2 | 1.857 | 1.715 | 0.000 | 1.222 | 0.432 | 1.501 | 0.868 | 0.288 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:15:18 | 237.700 | 4928.000 | 0.000 | 0.000 | 12610.000 | 26990.000 | 24660.000 | 91% | 245.900 |
| 2 | 02:16:26 | 239.100 | 4955.000 | 0.000 | 0.000 | 12520.000 | 26420.000 | 24210.000 | 92% | 240.500 |
| 3 | 02:17:34 | 242.500 | 5034.000 | 0.000 | 0.000 | 12750.000 | 26770.000 | 24730.000 | 90% | 249.700 |
| x | | 239.800 | 4972.000 | 0.000 | 0.000 | 12630.000 | 26730.000 | 24530.000 | 91% | 245.400 |
| σ | | 2.467 | 54.950 | 0.000 | 0.000 | 117.900 | 286.200 | 285.300 | 1% | 4.610 |
| %RSD | | 1.029 | 1.105 | 0.000 | 0.000 | 0.934 | 1.071 | 1.163 | 1 | 1.879 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:15:18 | 248.800 | 248.900 | -0.511 | 12920.000 | 506.200 | 12540.000 | 12620.000 | 248.100 | 249.600 |
| 2 | 02:16:26 | 245.500 | 245.500 | -1.868 | 12800.000 | 497.400 | 12450.000 | 12630.000 | 245.700 | 245.900 |
| 3 | 02:17:34 | 252.800 | 252.500 | -4.180 | 13010.000 | 504.800 | 12540.000 | 12890.000 | 253.300 | 254.500 |
| x | | 249.000 | 249.000 | -2.186 | 12910.000 | 502.800 | 12510.000 | 12710.000 | 249.000 | 250.000 |
| σ | | 3.635 | 3.515 | 1.856 | 104.600 | 4.705 | 50.290 | 155.800 | 3.909 | 4.285 |
| %RSD | | 1.460 | 1.412 | 84.870 | 0.810 | 0.936 | 0.402 | 1.226 | 1.570 | 1.714 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:15:18 | 503.000 | 506.300 | 498.600 | 246.500 | 252.800 | -1.006 | 248.300 | 252.200 | -1.735 |
| 2 | 02:16:26 | 500.700 | 501.300 | 498.800 | 245.300 | 248.600 | -0.851 | 251.900 | 248.200 | 0.073 |
| 3 | 02:17:34 | 504.500 | 502.100 | 507.500 | 246.900 | 248.400 | -0.436 | 248.400 | 247.700 | -1.298 |
| x | | 502.700 | 503.200 | 501.600 | 246.200 | 249.900 | -0.764 | 249.500 | 249.400 | -0.987 |
| σ | | 1.932 | 2.683 | 5.044 | 0.810 | 2.485 | 0.295 | 2.040 | 2.458 | 0.943 |
| %RSD | | 0.384 | 0.533 | 1.005 | 0.329 | 0.994 | 38.600 | 0.818 | 0.986 | 95.560 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:15:18 | 239.000 | 241.300 | 242.300 | 241.700 | 241.900 | 0.009 | 92% | 246.300 | 250.200 |
| 2 | 02:16:26 | 246.100 | 244.800 | 242.600 | 244.800 | 242.400 | -0.001 | 92% | 244.500 | 249.300 |
| 3 | 02:17:34 | 245.600 | 245.500 | 247.100 | 248.200 | 241.700 | 0.002 | 91% | 239.500 | 252.500 |
| x | | 243.600 | 243.900 | 244.000 | 244.900 | 242.000 | 0.004 | 92% | 243.400 | 250.700 |
| σ | | 3.986 | 2.223 | 2.706 | 3.260 | 0.329 | 0.005 | 1% | 3.511 | 1.665 |
| %RSD | | 1.636 | 0.912 | 1.109 | 1.331 | 0.136 | 148.400 | 1 | 1.442 | 0.664 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:15:18 | 0.572 | 246.500 | 248.600 | 243.900 | 212.800 | 244.400 | 1247.000 | 1239.000 | 98% |
| 2 | 02:16:26 | 0.469 | 244.700 | 249.300 | 248.500 | 215.100 | 246.200 | 1247.000 | 1251.000 | 97% |
| 3 | 02:17:34 | 6.004 | 239.600 | 252.500 | 248.100 | 214.200 | 247.500 | 1235.000 | 1233.000 | 98% |
| x | | 2.348 | 243.600 | 250.100 | 246.800 | 214.100 | 246.000 | 1243.000 | 1241.000 | 97% |
| σ | | 3.166 | 3.573 | 2.039 | 2.526 | 1.155 | 1.572 | 6.735 | 8.850 | 0% |
| %RSD | | 134.800 | 1.467 | 0.815 | 1.023 | 0.540 | 0.639 | 0.542 | 0.713 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:15:18 | 98% | 247.600 | 248.000 | 248.500 | 249.300 | 247.600 | 97% | 247.700 |
| 2 | 02:16:26 | 97% | 246.700 | 247.200 | 248.600 | 247.600 | 248.400 | 97% | 242.600 |
| 3 | 02:17:34 | 97% | 248.200 | 250.000 | 251.800 | 250.700 | 250.200 | 96% | 247.100 |
| x | | 98% | 247.500 | 248.400 | 249.600 | 249.200 | 248.700 | 97% | 245.800 |
| σ | | 0% | 0.771 | 1.456 | 1.894 | 1.570 | 1.355 | 1% | 2.790 |
| %RSD | | 0 | 0.312 | 0.586 | 0.759 | 0.630 | 0.545 | 1 | 1.135 |

**S4 (S)** 05/01/2011 02:22:03 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:23:11 | 88% | 502.600 | 487.900 | 0.000 | 50950.000 | 51050.000 | 50650.000 | 50960.000 | 10280.000 |
| 2 | 02:24:19 | 88% | 498.700 | 504.300 | 0.000 | 49560.000 | 49400.000 | 49490.000 | 49020.000 | 9794.000 |
| 3 | 02:25:27 | 88% | 495.400 | 492.800 | 0.000 | 49280.000 | 49710.000 | 49380.000 | 49480.000 | 9892.000 |
| x | | 88% | 498.900 | 495.000 | 0.000 | 49930.000 | 50050.000 | 49840.000 | 49820.000 | 9990.000 |
| σ | | 0% | 3.591 | 8.392 | 0.000 | 896.100 | 875.100 | 702.400 | 1011.000 | 259.100 |
| %RSD | | 0 | 0.720 | 1.695 | 0.000 | 1.795 | 1.748 | 1.409 | 2.030 | 2.594 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:23:11 | 523.400 | 10040.000 | 0.000 | 0.000 | 25480.000 | 52610.000 | 50380.000 | 87% | 510.700 |
| 2 | 02:24:19 | 506.900 | 9888.000 | 0.000 | 0.000 | 24770.000 | 49970.000 | 48160.000 | 89% | 491.000 |
| 3 | 02:25:27 | 524.500 | 9891.000 | 0.000 | 0.000 | 24680.000 | 50130.000 | 48660.000 | 88% | 495.900 |
| x | | 518.300 | 9941.000 | 0.000 | 0.000 | 24970.000 | 50900.000 | 49060.000 | 88% | 499.200 |
| σ | | 9.831 | 89.640 | 0.000 | 0.000 | 438.100 | 1482.000 | 1169.000 | 1% | 10.250 |
| %RSD | | 1.897 | 0.902 | 0.000 | 0.000 | 1.754 | 2.911 | 2.382 | 1 | 2.053 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:23:11 | 514.700 | 511.800 | -4.361 | 26610.000 | 1028.000 | 25470.000 | 25790.000 | 515.100 | 510.900 |
| 2 | 02:24:19 | 490.500 | 490.500 | 1.505 | 25440.000 | 986.700 | 24520.000 | 24710.000 | 492.800 | 493.300 |
| 3 | 02:25:27 | 493.800 | 491.500 | -0.794 | 25490.000 | 992.800 | 24640.000 | 24760.000 | 489.100 | 494.100 |
| x | | 499.700 | 497.900 | -1.217 | 25850.000 | 1003.000 | 24880.000 | 25090.000 | 499.000 | 499.400 |
| σ | | 13.120 | 12.020 | 2.956 | 662.200 | 22.380 | 518.000 | 613.600 | 14.060 | 9.949 |
| %RSD | | 2.626 | 2.414 | 242.900 | 2.562 | 2.232 | 2.082 | 2.446 | 2.818 | 1.992 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:23:11 | 1026.000 | 1027.000 | 1042.000 | 509.700 | 501.500 | -0.918 | 521.100 | 501.200 | -0.417 |
| 2 | 02:24:19 | 985.000 | 986.600 | 993.100 | 491.800 | 483.900 | -1.041 | 493.500 | 484.100 | 2.813 |
| 3 | 02:25:27 | 981.000 | 990.200 | 991.700 | 493.600 | 497.500 | -1.664 | 497.200 | 497.300 | 5.457 |
| x | | 997.400 | 1001.000 | 1009.000 | 498.400 | 494.300 | -1.208 | 503.900 | 494.200 | 2.618 |
| σ | | 25.090 | 22.200 | 28.510 | 9.850 | 9.192 | 0.400 | 14.970 | 8.958 | 2.942 |
| %RSD | | 2.516 | 2.217 | 2.826 | 1.976 | 1.860 | 33.130 | 2.971 | 1.813 | 112.400 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:23:11 | 504.800 | 504.100 | 504.100 | 502.000 | 507.000 | 0.018 | 86% | 509.200 | 511.200 |
| 2 | 02:24:19 | 482.600 | 485.000 | 490.600 | 489.800 | 497.400 | 0.025 | 87% | 489.000 | 498.800 |
| 3 | 02:25:27 | 489.500 | 491.200 | 490.900 | 492.200 | 493.900 | 0.003 | 87% | 492.800 | 500.500 |
| x | | 492.300 | 493.400 | 495.200 | 494.700 | 499.500 | 0.015 | 87% | 497.000 | 503.500 |
| σ | | 11.380 | 9.716 | 7.695 | 6.463 | 6.798 | 0.011 | 1% | 10.720 | 6.729 |
| %RSD | | 2.312 | 1.969 | 1.554 | 1.307 | 1.361 | 75.220 | 1 | 2.157 | 1.337 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:23:11 | -3.254 | 509.200 | 516.300 | 512.200 | 439.800 | 510.000 | 2540.000 | 2556.000 | 93% |
| 2 | 02:24:19 | 5.486 | 489.200 | 495.200 | 490.900 | 428.600 | 496.900 | 2478.000 | 2473.000 | 94% |
| 3 | 02:25:27 | -1.214 | 492.800 | 499.800 | 498.400 | 424.800 | 495.500 | 2468.000 | 2444.000 | 94% |
| x | | 0.339 | 497.100 | 503.800 | 500.500 | 431.100 | 500.800 | 2495.000 | 2491.000 | 93% |
| σ | | 4.572 | 10.690 | 11.080 | 10.810 | 7.802 | 7.996 | 39.270 | 58.280 | 1% |
| %RSD | | 1347.000 | 2.151 | 2.200 | 2.159 | 1.810 | 1.597 | 1.574 | 2.340 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:23:11 | 93% | 513.000 | 510.000 | 515.100 | 514.200 | 514.000 | 90% | 509.200 |
| 2 | 02:24:19 | 95% | 499.100 | 498.000 | 497.200 | 500.400 | 502.100 | 91% | 493.500 |
| 3 | 02:25:27 | 94% | 493.400 | 497.700 | 497.900 | 495.000 | 494.900 | 92% | 489.200 |
| x | | 94% | 501.800 | 501.900 | 503.400 | 503.200 | 503.700 | 91% | 497.300 |
| σ | | 1% | 10.070 | 6.973 | 10.150 | 9.880 | 9.646 | 1% | 10.510 |
| %RSD | | 1 | 2.007 | 1.389 | 2.017 | 1.963 | 1.915 | 1 | 2.113 |

**S5 (S)** 05/01/2011 02:29:56 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:31:04 | 86% | 997.300 | 987.800 | 0.000 | 99800.000 | 100200.000 | 100200.000 | 99680.000 | 19860.000 |
| 2 | 02:32:12 | 85% | 1002.000 | 1012.000 | 0.000 | 100200.000 | 100500.000 | 100300.000 | 100400.000 | 20160.000 |
| 3 | 02:33:20 | 85% | 1003.000 | 1008.000 | 0.000 | 99920.000 | 98690.000 | 99360.000 | 99970.000 | 19940.000 |
| x | | 85% | 1001.000 | 1003.000 | 0.000 | 99980.000 | 99820.000 | 99980.000 | 100000.000 | 19990.000 |
| σ | | 0% | 2.999 | 12.990 | 0.000 | 220.400 | 991.200 | 536.400 | 353.100 | 155.700 |
| %RSD | | 0 | 0.300 | 1.295 | 0.000 | 0.220 | 0.993 | 0.536 | 0.353 | 0.779 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:31:04 | 984.000 | 20090.000 | 0.000 | 0.000 | 49980.000 | 99660.000 | 101500.000 | 85% | 1006.000 |
| 2 | 02:32:12 | 999.100 | 20030.000 | 0.000 | 0.000 | 49840.000 | 98600.000 | 99030.000 | 85% | 998.600 |
| 3 | 02:33:20 | 998.300 | 19970.000 | 0.000 | 0.000 | 50090.000 | 99400.000 | 101300.000 | 85% | 1001.000 |
| x | | 993.800 | 20030.000 | 0.000 | 0.000 | 49970.000 | 99220.000 | 100600.000 | 85% | 1002.000 |
| σ | | 8.477 | 58.790 | 0.000 | 0.000 | 124.100 | 554.600 | 1356.000 | 0% | 3.688 |
| %RSD | | 0.853 | 0.293 | 0.000 | 0.000 | 0.248 | 0.559 | 1.348 | 0 | 0.368 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:31:04 | 1000.000 | 992.200 | 3.098 | 49430.000 | 1983.000 | 49990.000 | 49850.000 | 1001.000 | 999.600 |
| 2 | 02:32:12 | 1008.000 | 1008.000 | -6.897 | 49590.000 | 2027.000 | 50260.000 | 49840.000 | 998.700 | 1001.000 |
| 3 | 02:33:20 | 993.300 | 1003.000 | -1.574 | 49310.000 | 1983.000 | 49910.000 | 49950.000 | 1001.000 | 998.800 |
| x | | 1000.000 | 1001.000 | -1.791 | 49440.000 | 1998.000 | 50050.000 | 49880.000 | 1000.000 | 999.900 |
| σ | | 7.262 | 8.301 | 5.001 | 144.200 | 25.320 | 182.200 | 59.140 | 1.479 | 1.374 |
| %RSD | | 0.726 | 0.829 | 279.200 | 0.292 | 1.267 | 0.364 | 0.119 | 0.148 | 0.137 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:31:04 | 1997.000 | 1982.000 | 1990.000 | 996.100 | 996.000 | -2.583 | 992.300 | 994.600 | 4.579 |
| 2 | 02:32:12 | 2017.000 | 2006.000 | 1996.000 | 1001.000 | 1004.000 | -2.843 | 997.400 | 1004.000 | 1.195 |
| 3 | 02:33:20 | 1986.000 | 2005.000 | 1998.000 | 1009.000 | 1009.000 | -3.306 | 1004.000 | 1010.000 | 1.588 |
| x | | 2000.000 | 1998.000 | 1995.000 | 1002.000 | 1003.000 | -2.911 | 998.000 | 1003.000 | 2.454 |
| σ | | 15.700 | 13.550 | 3.799 | 6.287 | 6.442 | 0.366 | 6.080 | 7.855 | 1.850 |
| %RSD | | 0.785 | 0.678 | 0.191 | 0.628 | 0.642 | 12.580 | 0.609 | 0.783 | 75.400 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:31:04 | 994.700 | 991.000 | 988.200 | 981.800 | 985.900 | 0.007 | 85% | 980.100 | 981.900 |
| 2 | 02:32:12 | 1003.000 | 1009.000 | 1008.000 | 1018.000 | 1011.000 | 0.003 | 83% | 1010.000 | 999.400 |
| 3 | 02:33:20 | 1020.000 | 1015.000 | 1017.000 | 1013.000 | 1011.000 | 0.019 | 83% | 1019.000 | 1012.000 |
| x | | 1006.000 | 1005.000 | 1004.000 | 1004.000 | 1003.000 | 0.009 | 84% | 1003.000 | 997.800 |
| σ | | 12.710 | 12.640 | 14.620 | 19.570 | 14.480 | 0.008 | 1% | 20.370 | 15.100 |
| %RSD | | 1.264 | 1.257 | 1.456 | 1.948 | 1.444 | 88.370 | 2 | 2.031 | 1.514 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:31:04 | 4.950 | 980.500 | 980.500 | 984.000 | 856.000 | 990.000 | 4934.000 | 4952.000 | 91% |
| 2 | 02:32:12 | 2.616 | 1009.000 | 1004.000 | 1003.000 | 868.300 | 1007.000 | 5018.000 | 5001.000 | 91% |
| 3 | 02:33:20 | -8.082 | 1019.000 | 1009.000 | 1014.000 | 880.100 | 1005.000 | 5059.000 | 5066.000 | 90% |
| x | | -0.172 | 1003.000 | 997.800 | 1000.000 | 868.200 | 1001.000 | 5004.000 | 5006.000 | 91% |
| σ | | 6.949 | 19.980 | 15.130 | 15.360 | 12.030 | 9.412 | 63.950 | 56.990 | 1% |
| %RSD | | 4047.000 | 1.992 | 1.516 | 1.535 | 1.386 | 0.941 | 1.278 | 1.138 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:31:04 | 91% | 1000.000 | 992.400 | 992.600 | 988.500 | 992.000 | 88% | 993.800 |
| 2 | 02:32:12 | 92% | 993.200 | 987.600 | 988.300 | 995.100 | 989.300 | 88% | 994.800 |
| 3 | 02:33:20 | 90% | 1006.000 | 1019.000 | 1014.000 | 1012.000 | 1014.000 | 86% | 1020.000 |
| x | | 91% | 999.700 | 999.500 | 998.300 | 998.600 | 998.500 | 87% | 1003.000 |
| σ | | 1% | 6.195 | 16.720 | 13.810 | 12.260 | 13.690 | 1% | 14.780 |
| %RSD | | 1 | 0.620 | 1.673 | 1.384 | 1.228 | 1.371 | 1 | 1.474 |

**ICV** 05/01/2011 02:37:50 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:38:57 | 87% | 95.700 | 517.200 | 0.000 | 1973.000 | 1269.000 | 1260.000 | 1269.000 | 529.000 |
| 2 | 02:40:05 | 87% | 97.100 | 506.500 | 0.000 | 1868.000 | 1197.000 | 1190.000 | 1192.000 | 508.500 |
| 3 | 02:41:13 | 89% | 93.300 | 491.300 | 0.000 | 1823.000 | 1169.000 | 1168.000 | 1180.000 | 503.100 |
| x | | 88% | 95.370 | 505.000 | 0.000 | 1888.000 | 1212.000 | 1206.000 | 1214.000 | 513.600 |
| σ | | 1% | 1.924 | 13.020 | 0.000 | 76.620 | 51.430 | 47.760 | 47.790 | 13.670 |
| %RSD | | 1 | 2.017 | 2.579 | 0.000 | 4.058 | 4.245 | 3.960 | 3.937 | 2.661 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:38:57 | 484.200 | 22.770 | 0.000 | 0.000 | 2013.000 | 1968.000 | 2005.000 | 86% | 474.900 |
| 2 | 02:40:05 | 467.600 | 15.490 | 0.000 | 0.000 | 1909.000 | 1821.000 | 1944.000 | 87% | 456.900 |
| 3 | 02:41:13 | 446.600 | 11.170 | 0.000 | 0.000 | 1899.000 | 1789.000 | 1895.000 | 88% | 462.900 |
| x | | 466.200 | 16.480 | 0.000 | 0.000 | 1940.000 | 1860.000 | 1948.000 | 87% | 464.900 |
| σ | | 18.820 | 5.863 | 0.000 | 0.000 | 63.130 | 95.330 | 55.070 | 1% | 9.155 |
| %RSD | | 4.038 | 35.590 | 0.000 | 0.000 | 3.254 | 5.126 | 2.827 | 1 | 1.969 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:38:57 | 97.450 | 96.090 | -3.713 | 1033.000 | 100.700 | 1014.000 | 1035.000 | 101.300 | 102.100 |
| 2 | 02:40:05 | 94.630 | 94.230 | -5.583 | 981.400 | 97.430 | 972.900 | 992.300 | 97.420 | 99.080 |
| 3 | 02:41:13 | 94.870 | 92.700 | -5.777 | 976.600 | 95.930 | 967.600 | 979.800 | 96.710 | 97.650 |
| x | | 95.650 | 94.340 | -5.024 | 997.000 | 98.010 | 984.700 | 1002.000 | 98.460 | 99.610 |
| σ | | 1.566 | 1.701 | 1.140 | 31.390 | 2.418 | 25.110 | 28.760 | 2.446 | 2.274 |
| %RSD | | 1.637 | 1.804 | 22.690 | 3.148 | 2.467 | 2.550 | 2.869 | 2.484 | 2.283 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:38:57 | 103.800 | 103.600 | 201.200 | 195.100 | 195.700 | -0.527 | 190.500 | 195.200 | -1.155 |
| 2 | 02:40:05 | 98.810 | 100.400 | 195.700 | 188.000 | 190.400 | -0.367 | 189.500 | 190.000 | -2.226 |
| 3 | 02:41:13 | 99.450 | 100.300 | 192.900 | 189.900 | 187.100 | -0.392 | 186.000 | 186.800 | 0.887 |
| x | | 100.700 | 101.400 | 196.600 | 191.000 | 191.100 | -0.429 | 188.700 | 190.700 | -0.831 |
| σ | | 2.687 | 1.893 | 4.240 | 3.684 | 4.372 | 0.086 | 2.381 | 4.254 | 1.582 |
| %RSD | | 2.669 | 1.866 | 2.156 | 1.929 | 2.288 | 20.030 | 1.262 | 2.231 | 190.300 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:38:57 | 281.200 | 479.000 | 447.500 | 476.800 | 479.100 | 0.006 | 87% | 84.450 | 100.600 |
| 2 | 02:40:05 | 277.600 | 463.800 | 437.100 | 465.300 | 466.800 | 0.006 | 88% | 85.220 | 97.750 |
| 3 | 02:41:13 | 280.100 | 474.300 | 443.800 | 464.600 | 464.300 | 0.017 | 88% | 87.500 | 97.000 |
| x | | 279.600 | 472.400 | 442.800 | 468.900 | 470.100 | 0.010 | 88% | 85.720 | 98.450 |
| σ | | 1.854 | 7.783 | 5.275 | 6.877 | 7.924 | 0.006 | 1% | 1.586 | 1.899 |
| %RSD | | 0.663 | 1.648 | 1.191 | 1.467 | 1.686 | 63.750 | 1 | 1.851 | 1.929 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:38:57 | 8.483 | 84.590 | 99.480 | 98.260 | 422.000 | 189.100 | 102.200 | 102.400 | 90% |
| 2 | 02:40:05 | 5.083 | 85.330 | 96.730 | 95.210 | 412.500 | 185.400 | 97.880 | 97.780 | 92% |
| 3 | 02:41:13 | 5.568 | 87.590 | 98.260 | 94.870 | 410.100 | 185.900 | 96.170 | 97.660 | 92% |
| x | | 6.378 | 85.830 | 98.160 | 96.110 | 414.900 | 186.800 | 98.750 | 99.260 | 91% |
| σ | | 1.839 | 1.567 | 1.380 | 1.870 | 6.288 | 2.008 | 3.103 | 2.677 | 1% |
| %RSD | | 28.830 | 1.825 | 1.406 | 1.946 | 1.516 | 1.075 | 3.142 | 2.697 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:38:57 | 91% | 199.900 | 198.900 | 203.500 | 194.100 | 198.200 | 91% | 0.762 |
| 2 | 02:40:05 | 92% | 194.500 | 194.200 | 197.600 | 187.100 | 192.200 | 92% | 0.422 |
| 3 | 02:41:13 | 92% | 191.900 | 192.400 | 195.200 | 186.000 | 191.600 | 93% | 0.437 |
| x | | 91% | 195.400 | 195.100 | 198.700 | 189.000 | 194.000 | 92% | 0.540 |
| σ | | 1% | 4.086 | 3.337 | 4.252 | 4.394 | 3.653 | 1% | 0.192 |
| %RSD | | 1 | 2.091 | 1.710 | 2.140 | 2.324 | 1.883 | 1 | 35.580 |

**ICB** 05/01/2011 02:45:43 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:46:51 | 91% | 0.308 | 10.240 | 0.000 | 65.240 | 27.210 | 29.460 | 26.360 | 5.545 |
| 2 | 02:47:59 | 93% | 0.444 | 9.805 | 0.000 | 60.910 | 30.360 | 28.470 | 31.610 | 6.112 |
| 3 | 02:49:07 | 91% | 0.215 | 6.636 | 0.000 | 55.170 | 21.460 | 21.510 | 23.270 | 4.472 |
| x | | 92% | 0.322 | 8.894 | 0.000 | 60.440 | 26.350 | 26.480 | 27.080 | 5.377 |
| σ | | 1% | 0.115 | 1.967 | 0.000 | 5.052 | 4.512 | 4.336 | 4.215 | 0.833 |
| %RSD | | 2 | 35.760 | 22.120 | 0.000 | 8.358 | 17.130 | 16.380 | 15.560 | 15.490 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:46:51 | 1.262 | 14.730 | 0.000 | 0.000 | 32.480 | 21.210 | -5.981 | 91% | 0.213 |
| 2 | 02:47:59 | 1.334 | 12.780 | 0.000 | 0.000 | 27.820 | 25.930 | -9.705 | 91% | 0.126 |
| 3 | 02:49:07 | 0.064 | 4.124 | 0.000 | 0.000 | 24.830 | 24.970 | -13.670 | 89% | -0.389 |
| x | | 0.887 | 10.540 | 0.000 | 0.000 | 28.380 | 24.030 | -9.787 | 90% | -0.017 |
| σ | | 0.714 | 5.643 | 0.000 | 0.000 | 3.858 | 2.494 | 3.847 | 1% | 0.325 |
| %RSD | | 80.490 | 53.530 | 0.000 | 0.000 | 13.590 | 10.380 | 39.310 | 1 | 1958.000 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:46:51 | 0.339 | 0.283 | -5.134 | 11.610 | 0.637 | 6.914 | 16.710 | 0.320 | 0.385 |
| 2 | 02:47:59 | 0.417 | 0.338 | -4.996 | 12.070 | 0.667 | 8.263 | 18.890 | 0.407 | 0.314 |
| 3 | 02:49:07 | 0.450 | 0.257 | -5.485 | 12.080 | 0.379 | 6.279 | 15.340 | 0.291 | 0.272 |
| x | | 0.402 | 0.293 | -5.205 | 11.920 | 0.561 | 7.152 | 16.980 | 0.339 | 0.324 |
| σ | | 0.057 | 0.041 | 0.252 | 0.268 | 0.158 | 1.013 | 1.788 | 0.060 | 0.057 |
| %RSD | | 14.290 | 14.100 | 4.846 | 2.246 | 28.180 | 14.170 | 10.530 | 17.680 | 17.670 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:46:51 | 0.652 | 0.596 | 0.349 | 0.752 | 0.901 | -0.071 | -0.160 | 0.900 | -0.454 |
| 2 | 02:47:59 | 0.747 | 0.658 | 0.848 | 0.654 | 0.539 | -0.050 | 0.207 | 0.538 | -0.458 |
| 3 | 02:49:07 | 0.432 | 0.338 | 0.300 | 0.423 | 0.218 | -0.030 | 0.271 | 0.217 | 0.490 |
| x | | 0.610 | 0.531 | 0.499 | 0.609 | 0.553 | -0.050 | 0.106 | 0.552 | -0.141 |
| σ | | 0.162 | 0.170 | 0.303 | 0.169 | 0.342 | 0.020 | 0.232 | 0.341 | 0.546 |
| %RSD | | 26.500 | 31.930 | 60.840 | 27.680 | 61.780 | 40.180 | 218.600 | 61.870 | 388.200 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:46:51 | 0.688 | 1.308 | 1.083 | 1.143 | 1.269 | 0.010 | 91% | 1.460 | 0.484 |
| 2 | 02:47:59 | 0.591 | 1.104 | 1.093 | 1.092 | 1.008 | 0.002 | 92% | 0.949 | 0.513 |
| 3 | 02:49:07 | 0.426 | 0.896 | 0.696 | 0.892 | 0.754 | 0.002 | 92% | 0.654 | 0.285 |
| x | | 0.569 | 1.103 | 0.957 | 1.042 | 1.010 | 0.005 | 92% | 1.021 | 0.427 |
| σ | | 0.133 | 0.206 | 0.226 | 0.133 | 0.258 | 0.004 | 0% | 0.408 | 0.124 |
| %RSD | | 23.300 | 18.680 | 23.640 | 12.740 | 25.480 | 85.210 | 0 | 39.980 | 29.010 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:46:51 | -0.747 | 1.461 | 0.465 | 0.424 | 0.884 | 0.934 | 1.587 | 1.544 | 93% |
| 2 | 02:47:59 | -0.202 | 0.947 | 0.488 | 0.413 | 0.824 | 0.798 | 1.620 | 1.631 | 94% |
| 3 | 02:49:07 | -0.251 | 0.654 | 0.315 | 0.263 | 0.764 | 0.603 | 0.964 | 0.998 | 93% |
| x | | -0.400 | 1.020 | 0.422 | 0.367 | 0.824 | 0.778 | 1.390 | 1.391 | 93% |
| σ | | 0.302 | 0.409 | 0.094 | 0.090 | 0.060 | 0.166 | 0.370 | 0.343 | 1% |
| %RSD | | 75.410 | 40.030 | 22.290 | 24.550 | 7.266 | 21.350 | 26.590 | 24.660 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:46:51 | 93% | 0.674 | 0.653 | 0.462 | 0.443 | 0.461 | 93% | 0.226 |
| 2 | 02:47:59 | 94% | 0.576 | 0.590 | 0.496 | 0.502 | 0.504 | 95% | 0.239 |
| 3 | 02:49:07 | 93% | 0.360 | 0.380 | 0.312 | 0.341 | 0.335 | 94% | 0.168 |
| x | | 93% | 0.536 | 0.541 | 0.424 | 0.429 | 0.433 | 94% | 0.211 |
| σ | | 1% | 0.161 | 0.143 | 0.098 | 0.081 | 0.088 | 1% | 0.038 |
| %RSD | | 1 | 29.940 | 26.430 | 23.120 | 18.950 | 20.310 | 1 | 18.070 |

**ICSA** 05/01/2011 03:35:35 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:36:43 | 76% | 0.085 | 2.176 | 0.000 | 97520.000 | 97510.000 | 97390.000 | 96830.000 | 95980.000 |
| 2 | 03:37:51 | 74% | 0.206 | 2.638 | 0.000 | 98820.000 | 98660.000 | 98890.000 | 98090.000 | 95990.000 |
| 3 | 03:38:59 | 72% | 0.086 | 1.682 | 0.000 | 101700.000 | 101100.000 | 100900.000 | 100700.000 | 97680.000 |
| x | | 74% | 0.126 | 2.165 | 0.000 | 99340.000 | 99080.000 | 99050.000 | 98520.000 | 96550.000 |
| σ | | 2% | 0.070 | 0.478 | 0.000 | 2127.000 | 1820.000 | 1751.000 | 1951.000 | 978.200 |
| %RSD | | 2 | 55.400 | 22.070 | 0.000 | 2.142 | 1.837 | 1.768 | 1.980 | 1.013 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:36:43 | 63.300 | 96600.000 | 0.000 | 0.000 | 97470.000 | 98610.000 | 97230.000 | 79% | 2015.000 |
| 2 | 03:37:51 | 60.480 | 98000.000 | 0.000 | 0.000 | 97710.000 | 98280.000 | 96410.000 | 79% | 2013.000 |
| 3 | 03:38:59 | 57.700 | 99210.000 | 0.000 | 0.000 | 98820.000 | 101100.000 | 98130.000 | 77% | 2050.000 |
| x | | 60.490 | 97940.000 | 0.000 | 0.000 | 98000.000 | 99320.000 | 97250.000 | 78% | 2026.000 |
| σ | | 2.801 | 1307.000 | 0.000 | 0.000 | 723.200 | 1523.000 | 860.700 | 1% | 20.670 |
| %RSD | | 4.631 | 1.334 | 0.000 | 0.000 | 0.738 | 1.534 | 0.885 | 1 | 1.020 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:36:43 | -0.990 | 19.460 | 39.720 | 96280.000 | 7.954 | 95680.000 | 94910.000 | 1.074 | 5.454 |
| 2 | 03:37:51 | -0.821 | 19.610 | 42.230 | 95300.000 | 7.474 | 96140.000 | 95240.000 | 1.002 | 5.975 |
| 3 | 03:38:59 | -0.738 | 19.960 | 44.790 | 96990.000 | 8.510 | 97660.000 | 96030.000 | 1.119 | 6.170 |
| x | | -0.850 | 19.680 | 42.250 | 96190.000 | 7.979 | 96490.000 | 95390.000 | 1.065 | 5.866 |
| σ | | 0.128 | 0.255 | 2.538 | 850.600 | 0.518 | 1037.000 | 579.100 | 0.059 | 0.370 |
| %RSD | | 15.070 | 1.296 | 6.008 | 0.884 | 6.493 | 1.074 | 0.607 | 5.522 | 6.306 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:36:43 | 7.731 | 8.652 | 11.510 | 0.040 | -0.903 | 0.274 | 0.510 | -0.900 | 3.997 |
| 2 | 03:37:51 | 7.833 | 8.334 | 13.010 | 0.022 | -0.539 | 0.278 | -0.182 | -0.539 | 2.472 |
| 3 | 03:38:59 | 8.091 | 8.226 | 11.080 | 0.297 | -0.682 | 0.256 | 0.074 | -0.679 | 1.773 |
| x | | 7.885 | 8.404 | 11.870 | 0.120 | -0.708 | 0.269 | 0.134 | -0.706 | 2.748 |
| σ | | 0.186 | 0.221 | 1.012 | 0.154 | 0.183 | 0.012 | 0.350 | 0.182 | 1.137 |
| %RSD | | 2.356 | 2.633 | 8.525 | 128.100 | 25.860 | 4.521 | 261.100 | 25.810 | 41.390 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:36:43 | 1143.000 | 1943.000 | 1829.000 | 1915.000 | 1911.000 | 0.007 | 80% | -1.297 | -0.005 |
| 2 | 03:37:51 | 1174.000 | 1983.000 | 1843.000 | 1950.000 | 1962.000 | 0.007 | 78% | -0.499 | 0.020 |
| 3 | 03:38:59 | 1148.000 | 1959.000 | 1845.000 | 1937.000 | 1938.000 | 0.015 | 79% | -0.539 | 0.018 |
| x | | 1155.000 | 1962.000 | 1839.000 | 1934.000 | 1937.000 | 0.010 | 79% | -0.778 | 0.011 |
| σ | | 16.820 | 20.280 | 8.379 | 17.650 | 25.580 | 0.005 | 1% | 0.449 | 0.014 |
| %RSD | | 1.456 | 1.034 | 0.456 | 0.913 | 1.321 | 48.210 | 1 | 57.750 | 129.200 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:36:43 | 15.640 | -1.311 | 0.010 | 0.608 | 0.096 | 1.041 | 1.249 | 1.258 | 87% |
| 2 | 03:37:51 | 15.710 | -0.519 | 0.026 | 0.513 | 0.087 | 1.062 | 1.093 | 1.164 | 88% |
| 3 | 03:38:59 | 14.940 | -0.556 | 0.014 | 0.558 | 0.145 | 1.063 | 1.135 | 1.135 | 88% |
| x | | 15.430 | -0.795 | 0.016 | 0.560 | 0.110 | 1.055 | 1.159 | 1.186 | 88% |
| σ | | 0.427 | 0.447 | 0.008 | 0.047 | 0.031 | 0.012 | 0.081 | 0.065 | 1% |
| %RSD | | 2.767 | 56.210 | 51.110 | 8.438 | 28.400 | 1.140 | 6.954 | 5.443 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:36:43 | 88% | 0.064 | 0.035 | 4.745 | 4.063 | 4.288 | 85% | -0.025 |
| 2 | 03:37:51 | 88% | 0.037 | 0.029 | 4.620 | 4.188 | 4.346 | 85% | -0.021 |
| 3 | 03:38:59 | 89% | 0.030 | 0.024 | 4.716 | 3.829 | 4.279 | 85% | -0.021 |
| x | | 88% | 0.044 | 0.029 | 4.694 | 4.027 | 4.304 | 85% | -0.022 |
| σ | | 0% | 0.018 | 0.006 | 0.066 | 0.182 | 0.037 | 0% | 0.002 |
| %RSD | | 0 | 40.290 | 19.050 | 1.401 | 4.519 | 0.849 | 0 | 10.300 |

**ICSAB** 05/01/2011 03:43:30 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:44:38 | 75% | 20.240 | 1.008 | 0.000 | 100100.000 | 99500.000 | 98880.000 | 98630.000 | 97500.000 |
| 2 | 03:45:46 | 74% | 20.590 | 0.705 | 0.000 | 101100.000 | 100500.000 | 100500.000 | 100200.000 | 97390.000 |
| 3 | 03:46:54 | 73% | 20.430 | 1.081 | 0.000 | 100500.000 | 100100.000 | 99400.000 | 98740.000 | 97700.000 |
| x | | 74% | 20.420 | 0.931 | 0.000 | 100600.000 | 100000.000 | 99580.000 | 99190.000 | 97530.000 |
| σ | | 1% | 0.174 | 0.199 | 0.000 | 504.500 | 500.700 | 806.100 | 880.400 | 158.300 |
| %RSD | | 1 | 0.853 | 21.400 | 0.000 | 0.502 | 0.501 | 0.810 | 0.888 | 0.162 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:44:38 | 69.360 | 97880.000 | 0.000 | 0.000 | 97290.000 | 97580.000 | 96790.000 | 78% | 2032.000 |
| 2 | 03:45:46 | 64.670 | 98460.000 | 0.000 | 0.000 | 99560.000 | 100800.000 | 98480.000 | 78% | 2058.000 |
| 3 | 03:46:54 | 58.250 | 96950.000 | 0.000 | 0.000 | 97630.000 | 97930.000 | 96930.000 | 79% | 1990.000 |
| x | | 64.090 | 97770.000 | 0.000 | 0.000 | 98160.000 | 98780.000 | 97400.000 | 78% | 2027.000 |
| σ | | 5.578 | 763.600 | 0.000 | 0.000 | 1223.000 | 1774.000 | 936.000 | 1% | 34.080 |
| %RSD | | 8.702 | 0.781 | 0.000 | 0.000 | 1.246 | 1.796 | 0.961 | 1 | 1.682 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:44:38 | 18.450 | 38.620 | 39.880 | 96130.000 | 29.880 | 97010.000 | 95420.000 | 20.790 | 26.010 |
| 2 | 03:45:46 | 18.280 | 39.460 | 42.950 | 97040.000 | 30.370 | 98240.000 | 97290.000 | 20.830 | 25.090 |
| 3 | 03:46:54 | 19.700 | 38.770 | 41.240 | 95800.000 | 29.420 | 96700.000 | 95610.000 | 20.590 | 25.600 |
| x | | 18.810 | 38.950 | 41.350 | 96320.000 | 29.890 | 97320.000 | 96100.000 | 20.740 | 25.570 |
| σ | | 0.780 | 0.448 | 1.540 | 639.500 | 0.477 | 817.000 | 1032.000 | 0.131 | 0.459 |
| %RSD | | 4.146 | 1.151 | 3.724 | 0.664 | 1.596 | 0.840 | 1.074 | 0.632 | 1.794 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:44:38 | 28.000 | 27.910 | 31.590 | 20.280 | 20.490 | 0.179 | 19.790 | 20.460 | -1.057 |
| 2 | 03:45:46 | 26.960 | 28.790 | 30.810 | 20.770 | 20.240 | 0.153 | 20.140 | 20.200 | 5.741 |
| 3 | 03:46:54 | 26.800 | 27.640 | 31.210 | 18.290 | 18.080 | 0.437 | 20.280 | 18.050 | 4.087 |
| x | | 27.250 | 28.110 | 31.200 | 19.780 | 19.600 | 0.256 | 20.070 | 19.570 | 2.924 |
| σ | | 0.653 | 0.600 | 0.394 | 1.315 | 1.325 | 0.157 | 0.254 | 1.325 | 3.545 |
| %RSD | | 2.394 | 2.133 | 1.261 | 6.649 | 6.757 | 61.190 | 1.265 | 6.772 | 121.200 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:44:38 | 1153.000 | 1944.000 | 1850.000 | 1942.000 | 1945.000 | 0.011 | 79% | 17.640 | 19.300 |
| 2 | 03:45:46 | 1171.000 | 1993.000 | 1864.000 | 1975.000 | 1975.000 | 0.007 | 78% | 18.840 | 19.750 |
| 3 | 03:46:54 | 1155.000 | 1949.000 | 1827.000 | 1947.000 | 1945.000 | 0.015 | 79% | 15.290 | 18.970 |
| x | | 1160.000 | 1962.000 | 1847.000 | 1955.000 | 1955.000 | 0.011 | 79% | 17.260 | 19.340 |
| σ | | 9.829 | 26.770 | 18.510 | 17.650 | 17.340 | 0.004 | 1% | 1.809 | 0.391 |
| %RSD | | 0.848 | 1.364 | 1.002 | 0.903 | 0.887 | 35.780 | 1 | 10.480 | 2.021 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:44:38 | 16.640 | 17.610 | 19.260 | 20.330 | 0.047 | 20.810 | 21.430 | 21.160 | 87% |
| 2 | 03:45:46 | 17.560 | 18.810 | 19.850 | 20.850 | 0.068 | 21.420 | 20.550 | 21.680 | 86% |
| 3 | 03:46:54 | 17.350 | 15.260 | 18.690 | 20.620 | 0.053 | 20.420 | 20.810 | 21.050 | 87% |
| x | | 17.190 | 17.230 | 19.270 | 20.600 | 0.056 | 20.890 | 20.930 | 21.300 | 87% |
| σ | | 0.481 | 1.807 | 0.579 | 0.262 | 0.011 | 0.504 | 0.447 | 0.337 | 1% |
| %RSD | | 2.797 | 10.490 | 3.003 | 1.270 | 19.070 | 2.410 | 2.138 | 1.580 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:44:38 | 88% | 20.110 | 20.010 | 26.050 | 23.670 | 24.580 | 85% | -0.018 |
| 2 | 03:45:46 | 87% | 20.630 | 20.540 | 26.600 | 24.300 | 25.160 | 84% | -0.025 |
| 3 | 03:46:54 | 88% | 20.260 | 20.320 | 25.870 | 23.700 | 24.570 | 85% | -0.019 |
| x | | 88% | 20.330 | 20.290 | 26.180 | 23.890 | 24.770 | 85% | -0.021 |
| σ | | 1% | 0.272 | 0.265 | 0.378 | 0.358 | 0.339 | 1% | 0.004 |
| %RSD | | 1 | 1.336 | 1.304 | 1.446 | 1.497 | 1.368 | 1 | 17.310 |

**ICSAX10** 05/01/2011 03:51:24 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:52:32 | 77% | -0.040 | 0.396 | 0.000 | 10670.000 | 10620.000 | 10610.000 | 10280.000 | 10180.000 |
| 2 | 03:53:40 | 77% | -0.052 | -0.649 | 0.000 | 10300.000 | 10240.000 | 9837.000 | 9954.000 | 9930.000 |
| 3 | 03:54:48 | 76% | -0.028 | 1.110 | 0.000 | 10260.000 | 10220.000 | 9861.000 | 9926.000 | 9898.000 |
| x | | 77% | -0.040 | 0.286 | 0.000 | 10410.000 | 10360.000 | 10100.000 | 10050.000 | 10000.000 |
| σ | | 1% | 0.012 | 0.885 | 0.000 | 225.900 | 222.800 | 440.800 | 198.600 | 152.300 |
| %RSD | | 1 | 30.290 | 309.800 | 0.000 | 2.170 | 2.149 | 4.363 | 1.976 | 1.523 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:52:32 | 15.050 | 10250.000 | 0.000 | 0.000 | 10420.000 | 12620.000 | 10030.000 | 82% | 211.600 |
| 2 | 03:53:40 | 26.210 | 9901.000 | 0.000 | 0.000 | 10180.000 | 11740.000 | 9733.000 | 82% | 204.100 |
| 3 | 03:54:48 | 22.580 | 9858.000 | 0.000 | 0.000 | 9866.000 | 10950.000 | 9486.000 | 84% | 200.400 |
| x | | 21.280 | 10000.000 | 0.000 | 0.000 | 10160.000 | 11770.000 | 9749.000 | 82% | 205.400 |
| σ | | 5.696 | 215.400 | 0.000 | 0.000 | 278.800 | 836.300 | 271.000 | 1% | 5.694 |
| %RSD | | 26.770 | 2.153 | 0.000 | 0.000 | 2.745 | 7.106 | 2.780 | 2 | 2.773 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:52:32 | 0.144 | 2.017 | 3.754 | 10390.000 | 0.658 | 10200.000 | 10300.000 | 0.082 | 0.561 |
| 2 | 03:53:40 | -0.599 | 1.966 | 4.839 | 9960.000 | 0.564 | 9995.000 | 10010.000 | 0.100 | 0.457 |
| 3 | 03:54:48 | -0.224 | 1.720 | 3.734 | 9715.000 | 0.534 | 9609.000 | 9665.000 | 0.062 | 0.504 |
| x | | -0.226 | 1.901 | 4.109 | 10020.000 | 0.585 | 9936.000 | 9991.000 | 0.081 | 0.507 |
| σ | | 0.372 | 0.159 | 0.632 | 343.300 | 0.065 | 301.700 | 318.000 | 0.019 | 0.052 |
| %RSD | | 164.200 | 8.369 | 15.390 | 3.425 | 11.070 | 3.037 | 3.183 | 23.760 | 10.300 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:52:32 | 0.871 | 0.817 | 1.035 | -0.162 | -0.292 | 0.071 | -0.946 | -0.291 | 1.419 |
| 2 | 03:53:40 | 0.758 | 0.828 | 0.875 | -0.039 | -0.419 | 0.033 | -0.073 | -0.417 | 0.836 |
| 3 | 03:54:48 | 0.715 | 0.725 | 0.860 | -0.060 | 0.149 | 0.023 | -0.260 | 0.148 | -0.894 |
| x | | 0.781 | 0.790 | 0.923 | -0.087 | -0.187 | 0.042 | -0.426 | -0.187 | 0.454 |
| σ | | 0.080 | 0.057 | 0.097 | 0.066 | 0.298 | 0.025 | 0.460 | 0.297 | 1.203 |
| %RSD | | 10.290 | 7.196 | 10.500 | 75.950 | 159.100 | 60.260 | 107.800 | 159.100 | 265.200 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:52:32 | 116.700 | 199.100 | 187.700 | 198.400 | 199.500 | 0.003 | 83% | -0.205 | 0.017 |
| 2 | 03:53:40 | 112.000 | 191.200 | 178.800 | 190.300 | 189.400 | 0.007 | 85% | -0.193 | 0.006 |
| 3 | 03:54:48 | 111.600 | 187.300 | 178.100 | 188.500 | 188.300 | 0.003 | 85% | -0.931 | -0.001 |
| x | | 113.400 | 192.500 | 181.500 | 192.400 | 192.400 | 0.004 | 85% | -0.443 | 0.007 |
| σ | | 2.837 | 5.988 | 5.368 | 5.270 | 6.179 | 0.002 | 1% | 0.423 | 0.010 |
| %RSD | | 2.501 | 3.110 | 2.957 | 2.739 | 3.211 | 53.940 | 2 | 95.410 | 133.400 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:52:32 | 1.862 | -0.215 | 0.053 | 0.023 | -0.054 | 0.103 | -0.159 | 0.039 | 88% |
| 2 | 03:53:40 | 1.636 | -0.203 | 0.002 | 0.040 | -0.048 | 0.066 | -0.163 | -0.036 | 90% |
| 3 | 03:54:48 | 2.213 | -0.941 | -0.002 | -0.045 | -0.044 | 0.091 | -0.052 | -0.058 | 90% |
| x | | 1.904 | -0.453 | 0.018 | 0.006 | -0.049 | 0.087 | -0.125 | -0.018 | 89% |
| σ | | 0.291 | 0.423 | 0.030 | 0.045 | 0.005 | 0.019 | 0.063 | 0.051 | 1% |
| %RSD | | 15.290 | 93.330 | 171.100 | 717.100 | 11.230 | 22.010 | 50.230 | 277.100 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 03:52:32 | 89% | 0.038 | 0.060 | 0.487 | 0.404 | 0.415 | 88% | -0.037 |
| 2 | 03:53:40 | 90% | 0.004 | 0.020 | 0.424 | 0.344 | 0.377 | 90% | -0.035 |
| 3 | 03:54:48 | 90% | -0.002 | -0.004 | 0.370 | 0.353 | 0.363 | 90% | -0.037 |
| x | | 90% | 0.013 | 0.025 | 0.427 | 0.367 | 0.385 | 89% | -0.036 |
| σ | | 1% | 0.021 | 0.032 | 0.059 | 0.032 | 0.027 | 1% | 0.001 |
| %RSD | | 1 | 159.000 | 127.900 | 13.760 | 8.798 | 7.045 | 1 | 2.478 |

**ICSABX10** 05/01/2011 03:59:19 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:00:27 | 76% | 1.860 | 0.068 | 0.000 | 10340.000 | 10290.000 | 9924.000 | 9937.000 | 9910.000 |
| 2 | 04:01:35 | 75% | 1.776 | -0.417 | 0.000 | 10370.000 | 10310.000 | 9976.000 | 10030.000 | 9990.000 |
| 3 | 04:02:43 | 72% | 2.108 | 0.573 | 0.000 | 10810.000 | 10800.000 | 10330.000 | 10410.000 | 10420.000 |
| x | | 74% | 1.914 | 0.075 | 0.000 | 10510.000 | 10470.000 | 10080.000 | 10130.000 | 10110.000 |
| σ | | 2% | 0.172 | 0.495 | 0.000 | 263.100 | 287.300 | 219.700 | 252.400 | 273.400 |
| %RSD | | 3 | 9.003 | 662.900 | 0.000 | 2.503 | 2.744 | 2.180 | 2.492 | 2.705 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:00:27 | 24.300 | 9863.000 | 0.000 | 0.000 | 10110.000 | 11050.000 | 9780.000 | 81% | 206.900 |
| 2 | 04:01:35 | 21.210 | 10040.000 | 0.000 | 0.000 | 10050.000 | 11550.000 | 9736.000 | 82% | 199.700 |
| 3 | 04:02:43 | 32.790 | 10310.000 | 0.000 | 0.000 | 10390.000 | 12080.000 | 10020.000 | 80% | 212.800 |
| x | | 26.100 | 10070.000 | 0.000 | 0.000 | 10180.000 | 11560.000 | 9846.000 | 81% | 206.500 |
| σ | | 5.994 | 227.300 | 0.000 | 0.000 | 183.500 | 518.400 | 154.800 | 1% | 6.550 |
| %RSD | | 22.970 | 2.256 | 0.000 | 0.000 | 1.802 | 4.484 | 1.572 | 1 | 3.172 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:00:27 | 1.570 | 3.863 | 2.327 | 10040.000 | 2.492 | 9881.000 | 9933.000 | 2.155 | 2.892 |
| 2 | 04:01:35 | 1.576 | 3.844 | 1.829 | 9959.000 | 2.646 | 9894.000 | 9896.000 | 2.153 | 2.797 |
| 3 | 04:02:43 | 2.045 | 4.010 | 1.760 | 10330.000 | 2.555 | 10220.000 | 10230.000 | 2.203 | 2.634 |
| x | | 1.730 | 3.906 | 1.972 | 10110.000 | 2.565 | 9999.000 | 10020.000 | 2.170 | 2.775 |
| σ | | 0.273 | 0.091 | 0.310 | 196.200 | 0.078 | 192.900 | 180.800 | 0.028 | 0.131 |
| %RSD | | 15.770 | 2.328 | 15.710 | 1.940 | 3.022 | 1.929 | 1.805 | 1.293 | 4.705 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:00:27 | 2.763 | 2.693 | 3.175 | 2.237 | 2.114 | -0.047 | 1.571 | 2.104 | -1.602 |
| 2 | 04:01:35 | 2.612 | 2.632 | 2.963 | 2.249 | 2.642 | -0.048 | 1.978 | 2.634 | -2.606 |
| 3 | 04:02:43 | 2.887 | 2.690 | 3.355 | 2.291 | 2.280 | -0.038 | 1.340 | 2.273 | -2.451 |
| x | | 2.754 | 2.671 | 3.164 | 2.259 | 2.345 | -0.044 | 1.630 | 2.337 | -2.220 |
| σ | | 0.138 | 0.035 | 0.196 | 0.029 | 0.270 | 0.005 | 0.323 | 0.271 | 0.541 |
| %RSD | | 4.992 | 1.296 | 6.192 | 1.270 | 11.510 | 12.030 | 19.840 | 11.580 | 24.370 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:00:27 | 112.400 | 190.100 | 178.800 | 187.400 | 186.900 | -0.001 | 84% | 1.353 | 1.990 |
| 2 | 04:01:35 | 115.100 | 194.300 | 179.000 | 190.900 | 190.100 | 0.007 | 83% | 0.698 | 1.971 |
| 3 | 04:02:43 | 117.200 | 199.800 | 187.400 | 200.200 | 197.200 | 0.003 | 82% | 3.194 | 1.964 |
| x | | 114.900 | 194.700 | 181.800 | 192.800 | 191.400 | 0.003 | 83% | 1.748 | 1.975 |
| σ | | 2.433 | 4.851 | 4.918 | 6.634 | 5.286 | 0.004 | 1% | 1.294 | 0.013 |
| %RSD | | 2.118 | 2.491 | 2.706 | 3.440 | 2.762 | 137.700 | 1 | 74.020 | 0.667 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:00:27 | 2.079 | 1.345 | 1.943 | 1.906 | -0.051 | 1.959 | 1.594 | 2.006 | 88% |
| 2 | 04:01:35 | 2.569 | 0.687 | 1.926 | 2.109 | -0.069 | 2.055 | 1.867 | 1.843 | 89% |
| 3 | 04:02:43 | 0.832 | 3.188 | 1.837 | 2.076 | -0.051 | 2.223 | 1.905 | 2.107 | 86% |
| x | | 1.827 | 1.740 | 1.902 | 2.030 | -0.057 | 2.079 | 1.789 | 1.985 | 88% |
| σ | | 0.896 | 1.296 | 0.057 | 0.109 | 0.010 | 0.134 | 0.170 | 0.133 | 1% |
| %RSD | | 49.040 | 74.500 | 2.991 | 5.372 | 18.080 | 6.426 | 9.498 | 6.711 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:00:27 | 90% | 1.952 | 1.958 | 2.408 | 2.133 | 2.275 | 89% | -0.037 |
| 2 | 04:01:35 | 89% | 1.972 | 1.981 | 2.547 | 2.180 | 2.362 | 89% | -0.036 |
| 3 | 04:02:43 | 88% | 2.053 | 2.032 | 2.574 | 2.334 | 2.438 | 88% | -0.034 |
| x | | 89% | 1.992 | 1.990 | 2.509 | 2.216 | 2.358 | 89% | -0.036 |
| σ | | 1% | 0.053 | 0.038 | 0.089 | 0.105 | 0.082 | 1% | 0.001 |
| %RSD | | 1 | 2.672 | 1.919 | 3.551 | 4.754 | 3.459 | 1 | 3.255 |

**CCV** 05/01/2011 04:07:12 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:08:20 | 77% | 501.000 | 492.500 | 0.000 | 51690.000 | 52130.000 | 51490.000 | 51270.000 | 10160.000 |
| 2 | 04:09:28 | 78% | 501.500 | 493.600 | 0.000 | 51390.000 | 51130.000 | 50500.000 | 50490.000 | 10050.000 |
| 3 | 04:10:36 | 78% | 503.500 | 485.000 | 0.000 | 51220.000 | 51000.000 | 50690.000 | 50940.000 | 10060.000 |
| x | | 78% | 502.000 | 490.400 | 0.000 | 51430.000 | 51420.000 | 50900.000 | 50900.000 | 10090.000 |
| σ | | 0% | 1.337 | 4.689 | 0.000 | 241.000 | 616.300 | 527.000 | 389.900 | 58.890 |
| %RSD | | 0 | 0.266 | 0.956 | 0.000 | 0.469 | 1.199 | 1.035 | 0.766 | 0.584 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:08:20 | 547.100 | 10190.000 | 0.000 | 0.000 | 25650.000 | 50380.000 | 49470.000 | 83% | 497.800 |
| 2 | 04:09:28 | 509.900 | 10180.000 | 0.000 | 0.000 | 25530.000 | 51100.000 | 48710.000 | 84% | 485.100 |
| 3 | 04:10:36 | 508.800 | 10050.000 | 0.000 | 0.000 | 25700.000 | 51060.000 | 49050.000 | 83% | 494.500 |
| x | | 521.900 | 10140.000 | 0.000 | 0.000 | 25630.000 | 50850.000 | 49080.000 | 83% | 492.500 |
| σ | | 21.810 | 75.310 | 0.000 | 0.000 | 86.120 | 402.800 | 376.800 | 0% | 6.576 |
| %RSD | | 4.178 | 0.743 | 0.000 | 0.000 | 0.336 | 0.792 | 0.768 | 0 | 1.335 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:08:20 | 502.700 | 499.800 | -8.442 | 26090.000 | 1017.000 | 25710.000 | 25460.000 | 497.700 | 505.200 |
| 2 | 04:09:28 | 490.200 | 494.400 | -2.002 | 25990.000 | 1003.000 | 25070.000 | 25130.000 | 494.200 | 496.500 |
| 3 | 04:10:36 | 496.500 | 491.900 | -4.834 | 25570.000 | 1006.000 | 25320.000 | 25210.000 | 496.300 | 501.800 |
| x | | 496.500 | 495.400 | -5.093 | 25880.000 | 1009.000 | 25370.000 | 25270.000 | 496.100 | 501.200 |
| σ | | 6.252 | 4.039 | 3.227 | 277.400 | 7.299 | 325.500 | 169.700 | 1.755 | 4.380 |
| %RSD | | 1.259 | 0.815 | 63.370 | 1.072 | 0.724 | 1.283 | 0.672 | 0.354 | 0.874 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:08:20 | 989.100 | 999.500 | 996.500 | 494.800 | 497.100 | -1.156 | 503.300 | 495.900 | 3.565 |
| 2 | 04:09:28 | 984.300 | 1000.000 | 1002.000 | 493.800 | 484.900 | -1.514 | 493.500 | 484.100 | -1.753 |
| 3 | 04:10:36 | 990.100 | 994.000 | 996.300 | 485.700 | 483.900 | -1.051 | 491.700 | 482.700 | 6.092 |
| x | | 987.800 | 997.900 | 998.500 | 491.500 | 488.600 | -1.240 | 496.200 | 487.600 | 2.635 |
| σ | | 3.120 | 3.453 | 3.495 | 5.012 | 7.315 | 0.242 | 6.228 | 7.264 | 4.005 |
| %RSD | | 0.316 | 0.346 | 0.350 | 1.020 | 1.497 | 19.540 | 1.255 | 1.490 | 152.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:08:20 | 490.300 | 491.600 | 496.100 | 491.000 | 493.600 | 0.003 | 84% | 484.700 | 503.200 |
| 2 | 04:09:28 | 488.400 | 491.700 | 489.200 | 490.900 | 492.000 | -0.001 | 84% | 489.500 | 499.300 |
| 3 | 04:10:36 | 490.400 | 491.300 | 490.600 | 486.400 | 486.200 | 0.010 | 84% | 482.700 | 496.400 |
| x | | 489.700 | 491.500 | 492.000 | 489.400 | 490.600 | 0.004 | 84% | 485.600 | 499.600 |
| σ | | 1.107 | 0.238 | 3.678 | 2.619 | 3.879 | 0.006 | 0% | 3.529 | 3.408 |
| %RSD | | 0.226 | 0.048 | 0.748 | 0.535 | 0.791 | 145.100 | 0 | 0.727 | 0.682 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:08:20 | 7.078 | 485.000 | 503.200 | 491.400 | 423.200 | 494.900 | 2474.000 | 2474.000 | 89% |
| 2 | 04:09:28 | 8.597 | 489.800 | 496.500 | 492.500 | 426.200 | 490.200 | 2450.000 | 2457.000 | 90% |
| 3 | 04:10:36 | 9.525 | 482.900 | 494.900 | 492.000 | 425.300 | 491.000 | 2450.000 | 2468.000 | 90% |
| x | | 8.400 | 485.900 | 498.200 | 492.000 | 424.900 | 492.000 | 2458.000 | 2466.000 | 89% |
| σ | | 1.235 | 3.490 | 4.410 | 0.556 | 1.521 | 2.496 | 13.790 | 8.372 | 1% |
| %RSD | | 14.710 | 0.718 | 0.885 | 0.113 | 0.358 | 0.507 | 0.561 | 0.339 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:08:20 | 90% | 491.600 | 497.200 | 494.400 | 497.700 | 497.100 | 89% | 501.800 |
| 2 | 04:09:28 | 90% | 493.000 | 497.100 | 499.900 | 498.800 | 498.900 | 89% | 503.900 |
| 3 | 04:10:36 | 92% | 496.600 | 493.100 | 500.400 | 496.900 | 498.800 | 89% | 501.600 |
| x | | 91% | 493.800 | 495.800 | 498.200 | 497.800 | 498.300 | 89% | 502.500 |
| σ | | 1% | 2.547 | 2.329 | 3.323 | 0.956 | 0.982 | 0% | 1.274 |
| %RSD | | 1 | 0.516 | 0.470 | 0.667 | 0.192 | 0.197 | 0 | 0.254 |

**CCB** 05/01/2011 04:15:04 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:16:12 | 79% | -0.001 | 6.624 | 0.000 | 73.140 | 7.256 | 7.324 | 6.341 | 3.295 |
| 2 | 04:17:20 | 80% | 0.030 | 3.744 | 0.000 | 82.720 | 14.570 | 15.040 | 13.500 | 5.609 |
| 3 | 04:18:28 | 78% | 0.013 | 4.244 | 0.000 | 75.920 | 6.157 | 6.352 | 5.885 | 3.142 |
| x | | 79% | 0.014 | 4.870 | 0.000 | 77.260 | 9.327 | 9.573 | 8.575 | 4.015 |
| σ | | 1% | 0.015 | 1.539 | 0.000 | 4.929 | 4.573 | 4.763 | 4.270 | 1.382 |
| %RSD | | 1 | 108.000 | 31.600 | 0.000 | 6.380 | 49.030 | 49.750 | 49.790 | 34.420 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:16:12 | 0.580 | 4.121 | 0.000 | 0.000 | 22.550 | 8.329 | -49.320 | 86% | -0.919 |
| 2 | 04:17:20 | 0.380 | 13.560 | 0.000 | 0.000 | 31.370 | 17.040 | -35.860 | 84% | -0.748 |
| 3 | 04:18:28 | 1.256 | 6.455 | 0.000 | 0.000 | 22.190 | 0.397 | -43.990 | 84% | -0.716 |
| x | | 0.739 | 8.045 | 0.000 | 0.000 | 25.370 | 8.587 | -43.060 | 85% | -0.794 |
| σ | | 0.459 | 4.916 | 0.000 | 0.000 | 5.201 | 8.322 | 6.778 | 1% | 0.110 |
| %RSD | | 62.130 | 61.100 | 0.000 | 0.000 | 20.500 | 96.920 | 15.740 | 1 | 13.800 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:16:12 | 0.110 | 0.053 | -5.788 | 3.228 | 0.057 | -2.346 | -7.215 | 0.019 | -0.050 |
| 2 | 04:17:20 | 0.326 | 0.035 | -5.820 | 8.743 | 0.155 | 2.319 | -1.527 | 0.103 | 0.032 |
| 3 | 04:18:28 | 0.192 | -0.011 | -6.170 | 4.947 | 0.015 | -1.879 | -6.994 | 0.021 | 0.006 |
| x | | 0.209 | 0.026 | -5.926 | 5.639 | 0.076 | -0.636 | -5.245 | 0.048 | -0.004 |
| σ | | 0.109 | 0.033 | 0.212 | 2.822 | 0.072 | 2.569 | 3.222 | 0.047 | 0.042 |
| %RSD | | 52.200 | 127.300 | 3.575 | 50.050 | 94.900 | 404.200 | 61.430 | 99.320 | 1045.000 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:16:12 | 0.056 | 0.023 | -0.191 | 0.217 | 0.349 | -0.048 | -0.368 | 0.347 | -0.468 |
| 2 | 04:17:20 | 0.111 | 0.077 | -0.018 | 0.148 | 0.187 | -0.034 | -0.541 | 0.186 | -2.135 |
| 3 | 04:18:28 | 0.088 | -0.014 | -0.180 | 0.139 | -0.408 | -0.023 | -0.386 | -0.406 | 0.161 |
| x | | 0.085 | 0.029 | -0.130 | 0.168 | 0.043 | -0.035 | -0.431 | 0.042 | -0.814 |
| σ | | 0.028 | 0.046 | 0.097 | 0.043 | 0.398 | 0.012 | 0.095 | 0.396 | 1.187 |
| %RSD | | 32.560 | 158.600 | 74.880 | 25.500 | 929.000 | 35.100 | 22.060 | 934.100 | 145.700 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:16:12 | 0.383 | 0.643 | 0.702 | 0.693 | 0.616 | 0.006 | 90% | -0.379 | 0.125 |
| 2 | 04:17:20 | 0.380 | 0.656 | 0.487 | 0.525 | 0.587 | 0.003 | 89% | -0.374 | 0.179 |
| 3 | 04:18:28 | 0.307 | 0.378 | 0.272 | 0.424 | 0.423 | -0.001 | 88% | -0.680 | 0.042 |
| x | | 0.357 | 0.559 | 0.487 | 0.547 | 0.542 | 0.003 | 89% | -0.478 | 0.115 |
| σ | | 0.043 | 0.157 | 0.215 | 0.136 | 0.104 | 0.004 | 1% | 0.175 | 0.069 |
| %RSD | | 12.030 | 28.030 | 44.120 | 24.800 | 19.230 | 142.100 | 1 | 36.670 | 59.520 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:16:12 | 0.271 | -0.386 | 0.131 | -0.008 | 0.197 | 0.495 | 0.165 | 0.198 | 94% |
| 2 | 04:17:20 | 0.269 | -0.380 | 0.122 | -0.006 | 0.180 | 0.441 | 0.562 | 0.480 | 92% |
| 3 | 04:18:28 | 0.386 | -0.690 | 0.064 | -0.045 | 0.124 | 0.316 | 0.029 | 0.196 | 92% |
| x | | 0.309 | -0.485 | 0.106 | -0.019 | 0.167 | 0.417 | 0.252 | 0.291 | 92% |
| σ | | 0.067 | 0.177 | 0.036 | 0.022 | 0.038 | 0.092 | 0.277 | 0.163 | 1% |
| %RSD | | 21.700 | 36.450 | 34.370 | 113.600 | 22.860 | 22.080 | 110.000 | 56.030 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:16:12 | 93% | 0.080 | 0.083 | 0.029 | 0.028 | 0.016 | 96% | 0.046 |
| 2 | 04:17:20 | 93% | 0.144 | 0.139 | 0.073 | 0.088 | 0.072 | 94% | 0.082 |
| 3 | 04:18:28 | 92% | 0.013 | 0.017 | -0.013 | -0.010 | -0.010 | 95% | 0.031 |
| x | | 93% | 0.079 | 0.079 | 0.030 | 0.035 | 0.026 | 95% | 0.053 |
| σ | | 1% | 0.065 | 0.061 | 0.043 | 0.049 | 0.042 | 1% | 0.026 |
| %RSD | | 1 | 82.600 | 76.970 | 146.100 | 140.800 | 158.800 | 1 | 49.530 |

**zzzzzz** 05/01/2011 04:22:57 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:24:05 | 78% | 0.012 | 2.689 | 0.000 | 84.230 | 14.210 | 15.410 | 15.290 | 6.261 |
| 2 | 04:25:13 | 79% | -0.066 | 1.284 | 0.000 | 70.220 | 8.388 | 7.703 | 9.435 | 4.580 |
| 3 | 04:26:21 | 79% | -0.054 | 0.489 | 0.000 | 66.520 | 4.935 | 5.150 | 4.666 | 2.877 |
| x | | 79% | -0.036 | 1.487 | 0.000 | 73.660 | 9.177 | 9.421 | 9.796 | 4.573 |
| σ | | 1% | 0.042 | 1.114 | 0.000 | 9.345 | 4.687 | 5.342 | 5.319 | 1.692 |
| %RSD | | 1 | 116.600 | 74.880 | 0.000 | 12.690 | 51.070 | 56.700 | 54.300 | 37.010 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:24:05 | -0.135 | 10.340 | 0.000 | 0.000 | 31.490 | 8.831 | -37.410 | 84% | -0.812 |
| 2 | 04:25:13 | 1.889 | 8.901 | 0.000 | 0.000 | 20.280 | 3.598 | -46.580 | 85% | -0.818 |
| 3 | 04:26:21 | -0.317 | 5.110 | 0.000 | 0.000 | 19.650 | 5.500 | -47.160 | 84% | -0.779 |
| x | | 0.479 | 8.117 | 0.000 | 0.000 | 23.800 | 5.976 | -43.720 | 84% | -0.803 |
| σ | | 1.224 | 2.701 | 0.000 | 0.000 | 6.660 | 2.649 | 5.468 | 1% | 0.021 |
| %RSD | | 255.700 | 33.280 | 0.000 | 0.000 | 27.980 | 44.330 | 12.510 | 1 | 2.655 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:24:05 | -0.007 | 0.025 | -6.310 | 7.407 | 0.183 | 2.432 | -1.305 | 0.099 | -0.026 |
| 2 | 04:25:13 | 0.086 | 0.002 | -6.546 | 4.881 | 0.073 | 0.115 | -4.011 | 0.037 | -0.038 |
| 3 | 04:26:21 | 0.038 | 0.018 | -6.679 | 2.913 | 0.043 | -1.975 | -4.433 | 0.005 | -0.027 |
| x | | 0.039 | 0.015 | -6.511 | 5.067 | 0.099 | 0.191 | -3.250 | 0.047 | -0.030 |
| σ | | 0.046 | 0.012 | 0.187 | 2.253 | 0.074 | 2.204 | 1.697 | 0.048 | 0.007 |
| %RSD | | 118.100 | 81.530 | 2.869 | 44.460 | 74.340 | 1155.000 | 52.230 | 101.300 | 23.110 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:24:05 | 0.140 | 0.096 | 0.120 | 0.123 | -0.629 | -0.021 | 0.056 | -0.627 | 2.925 |
| 2 | 04:25:13 | 0.011 | 0.013 | -0.166 | 0.216 | 0.525 | -0.054 | -0.347 | 0.523 | -2.447 |
| 3 | 04:26:21 | -0.030 | -0.098 | -0.178 | -0.084 | -0.536 | 0.002 | -0.524 | -0.533 | 1.440 |
| x | | 0.040 | 0.004 | -0.075 | 0.085 | -0.213 | -0.024 | -0.271 | -0.212 | 0.639 |
| σ | | 0.089 | 0.097 | 0.169 | 0.154 | 0.641 | 0.028 | 0.297 | 0.638 | 2.774 |
| %RSD | | 219.400 | 2629.000 | 226.600 | 180.600 | 300.400 | 116.800 | 109.600 | 300.600 | 433.800 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:24:05 | 0.297 | 0.397 | 0.320 | 0.272 | 0.418 | 0.006 | 86% | -0.154 | 0.058 |
| 2 | 04:25:13 | 0.133 | 0.281 | 0.202 | 0.206 | 0.256 | 0.003 | 88% | 0.025 | 0.025 |
| 3 | 04:26:21 | 0.112 | 0.161 | 0.142 | 0.223 | 0.209 | 0.014 | 88% | -0.986 | 0.005 |
| x | | 0.181 | 0.280 | 0.221 | 0.234 | 0.294 | 0.008 | 87% | -0.372 | 0.029 |
| σ | | 0.101 | 0.118 | 0.091 | 0.034 | 0.110 | 0.006 | 1% | 0.539 | 0.027 |
| %RSD | | 56.070 | 42.060 | 40.890 | 14.670 | 37.320 | 74.230 | 1 | 145.200 | 92.300 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:24:05 | 0.096 | -0.161 | 0.082 | 0.037 | 0.075 | 0.203 | 0.407 | 0.449 | 89% |
| 2 | 04:25:13 | -0.005 | 0.020 | 0.034 | 0.019 | 0.105 | 0.113 | 0.179 | 0.272 | 90% |
| 3 | 04:26:21 | 0.498 | -0.992 | 0.005 | -0.071 | 0.040 | 0.073 | -0.008 | 0.034 | 90% |
| x | | 0.196 | -0.378 | 0.040 | -0.005 | 0.073 | 0.130 | 0.193 | 0.252 | 90% |
| σ | | 0.266 | 0.540 | 0.039 | 0.058 | 0.032 | 0.067 | 0.208 | 0.209 | 1% |
| %RSD | | 135.500 | 143.100 | 96.700 | 1193.000 | 44.180 | 51.230 | 107.900 | 82.910 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:24:05 | 90% | 0.137 | 0.148 | 0.039 | 0.055 | 0.054 | 92% | 0.079 |
| 2 | 04:25:13 | 92% | 0.058 | 0.064 | 0.010 | 0.003 | 0.014 | 93% | 0.034 |
| 3 | 04:26:21 | 92% | 0.005 | 0.011 | -0.023 | -0.024 | -0.025 | 93% | 0.013 |
| x | | 91% | 0.067 | 0.074 | 0.009 | 0.012 | 0.014 | 93% | 0.042 |
| σ | | 1% | 0.067 | 0.069 | 0.031 | 0.040 | 0.039 | 1% | 0.034 |
| %RSD | | 1 | 100.200 | 92.730 | 360.700 | 347.500 | 273.000 | 1 | 79.670 |

**PB54699BL PBW** 05/01/2011 04:30:50 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:31:58 | 78% | -0.075 | 2.026 | 0.000 | 58.750 | -1.317 | -0.864 | -1.343 | 0.214 |
| 2 | 04:33:06 | 80% | -0.066 | 0.934 | 0.000 | 59.970 | 0.915 | 0.637 | -0.018 | 1.330 |
| 3 | 04:34:14 | 78% | -0.108 | 0.358 | 0.000 | 64.100 | -0.559 | -0.872 | 0.347 | 0.861 |
| x | | 78% | -0.083 | 1.106 | 0.000 | 60.940 | -0.321 | -0.366 | -0.338 | 0.801 |
| σ | | 1% | 0.022 | 0.847 | 0.000 | 2.806 | 1.135 | 0.869 | 0.889 | 0.560 |
| %RSD | | 2 | 26.140 | 76.580 | 0.000 | 4.604 | 354.100 | 237.300 | 263.200 | 69.880 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:31:58 | -0.307 | 1.930 | 0.000 | 0.000 | 21.230 | 2.116 | -55.020 | 84% | -0.880 |
| 2 | 04:33:06 | 0.068 | 3.933 | 0.000 | 0.000 | 20.400 | -6.225 | -53.850 | 84% | -0.812 |
| 3 | 04:34:14 | 0.942 | 4.324 | 0.000 | 0.000 | 18.890 | -4.528 | -53.340 | 83% | -1.013 |
| x | | 0.235 | 3.396 | 0.000 | 0.000 | 20.170 | -2.879 | -54.070 | 84% | -0.902 |
| σ | | 0.641 | 1.284 | 0.000 | 0.000 | 1.184 | 4.408 | 0.858 | 0% | 0.102 |
| %RSD | | 273.100 | 37.820 | 0.000 | 0.000 | 5.871 | 153.100 | 1.587 | 0 | 11.330 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:31:58 | -0.014 | -0.022 | -6.894 | 0.527 | -0.080 | -5.065 | -6.425 | -0.034 | -0.148 |
| 2 | 04:33:06 | -0.124 | -0.020 | -6.587 | -2.029 | -0.045 | -3.934 | -8.045 | -0.015 | -0.130 |
| 3 | 04:34:14 | 0.022 | -0.055 | -6.838 | 0.695 | -0.065 | -4.983 | -6.229 | -0.026 | -0.043 |
| x | | -0.039 | -0.033 | -6.773 | -0.269 | -0.063 | -4.660 | -6.900 | -0.025 | -0.107 |
| σ | | 0.076 | 0.020 | 0.163 | 1.526 | 0.017 | 0.631 | 0.996 | 0.009 | 0.056 |
| %RSD | | 197.300 | 60.300 | 2.410 | 566.800 | 27.210 | 13.530 | 14.440 | 37.310 | 52.420 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:31:58 | -0.054 | -0.133 | -0.261 | 0.049 | 0.232 | -0.042 | -0.487 | 0.231 | -3.966 |
| 2 | 04:33:06 | -0.032 | -0.104 | -0.333 | 0.054 | -0.110 | -0.035 | -0.019 | -0.110 | 0.559 |
| 3 | 04:34:14 | -0.090 | -0.147 | -0.305 | -0.163 | -0.068 | 0.004 | -0.428 | -0.067 | 1.817 |
| x | | -0.059 | -0.128 | -0.299 | -0.020 | 0.018 | -0.025 | -0.311 | 0.018 | -0.530 |
| σ | | 0.029 | 0.022 | 0.036 | 0.124 | 0.186 | 0.025 | 0.255 | 0.185 | 3.041 |
| %RSD | | 49.620 | 16.940 | 12.070 | 616.800 | 1036.000 | 100.400 | 81.980 | 1041.000 | 574.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:31:58 | 0.056 | 0.151 | 0.051 | -0.017 | 0.057 | 0.003 | 88% | 0.624 | 0.001 |
| 2 | 04:33:06 | 0.041 | 0.073 | 0.135 | 0.033 | 0.064 | 0.003 | 87% | 0.365 | 0.013 |
| 3 | 04:34:14 | 0.001 | 0.035 | 0.069 | 0.099 | 0.064 | 0.006 | 88% | 0.119 | -0.000 |
| x | | 0.033 | 0.086 | 0.085 | 0.039 | 0.062 | 0.004 | 88% | 0.369 | 0.005 |
| σ | | 0.029 | 0.059 | 0.044 | 0.059 | 0.004 | 0.002 | 0% | 0.253 | 0.008 |
| %RSD | | 87.320 | 68.430 | 51.970 | 151.800 | 6.376 | 55.360 | 0 | 68.420 | 161.200 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:31:58 | -0.391 | 0.623 | -0.004 | -0.025 | -0.041 | 0.011 | -0.233 | -0.109 | 89% |
| 2 | 04:33:06 | -0.248 | 0.362 | 0.021 | -0.014 | -0.041 | -0.005 | -0.143 | -0.092 | 89% |
| 3 | 04:34:14 | -0.002 | 0.116 | 0.008 | -0.055 | -0.013 | -0.005 | -0.174 | -0.109 | 89% |
| x | | -0.214 | 0.367 | 0.008 | -0.032 | -0.032 | 0.000 | -0.183 | -0.103 | 89% |
| σ | | 0.197 | 0.253 | 0.012 | 0.021 | 0.016 | 0.009 | 0.046 | 0.010 | 0% |
| %RSD | | 91.970 | 69.050 | 147.000 | 66.820 | 51.160 | 4200.000 | 24.870 | 9.535 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:31:58 | 89% | -0.026 | -0.016 | -0.065 | -0.061 | -0.066 | 91% | -0.029 |
| 2 | 04:33:06 | 90% | -0.013 | 0.000 | -0.059 | -0.051 | -0.056 | 92% | -0.015 |
| 3 | 04:34:14 | 90% | -0.025 | -0.024 | -0.062 | -0.054 | -0.062 | 92% | -0.020 |
| x | | 90% | -0.021 | -0.013 | -0.062 | -0.055 | -0.061 | 92% | -0.021 |
| σ | | 0% | 0.007 | 0.013 | 0.003 | 0.005 | 0.005 | 1% | 0.007 |
| %RSD | | 0 | 34.380 | 94.560 | 4.829 | 8.952 | 8.665 | 1 | 33.860 |

**PB54700BL PBW** 05/01/2011 04:38:43 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:39:51 | 80% | -0.088 | -0.074 | 0.000 | 58.730 | -2.423 | -2.685 | -3.123 | 0.086 |
| 2 | 04:40:59 | 77% | -0.063 | 1.565 | 0.000 | 61.660 | -1.951 | -2.960 | -3.059 | 0.059 |
| 3 | 04:42:07 | 79% | -0.108 | -0.351 | 0.000 | 58.370 | -2.588 | -2.289 | -2.791 | -0.121 |
| x | | 79% | -0.087 | 0.380 | 0.000 | 59.590 | -2.321 | -2.645 | -2.991 | 0.008 |
| σ | | 2% | 0.023 | 1.035 | 0.000 | 1.800 | 0.331 | 0.337 | 0.176 | 0.112 |
| %RSD | | 2 | 26.190 | 272.800 | 0.000 | 3.021 | 14.250 | 12.750 | 5.894 | 1348.000 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:39:51 | -0.135 | 4.899 | 0.000 | 0.000 | 8.739 | 0.344 | -56.290 | 85% | -0.717 |
| 2 | 04:40:59 | 0.812 | -0.264 | 0.000 | 0.000 | 11.590 | 3.663 | -55.740 | 85% | -0.916 |
| 3 | 04:42:07 | 1.316 | 4.156 | 0.000 | 0.000 | 9.262 | -1.257 | -56.230 | 84% | -0.981 |
| x | | 0.664 | 2.930 | 0.000 | 0.000 | 9.864 | 0.917 | -56.090 | 85% | -0.871 |
| σ | | 0.737 | 2.791 | 0.000 | 0.000 | 1.519 | 2.510 | 0.299 | 0% | 0.138 |
| %RSD | | 110.900 | 95.240 | 0.000 | 0.000 | 15.400 | 273.800 | 0.533 | 0 | 15.790 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:39:51 | -0.061 | -0.047 | -7.419 | -2.772 | -0.090 | -6.552 | -10.440 | -0.038 | -0.114 |
| 2 | 04:40:59 | -0.171 | -0.048 | -7.498 | -0.798 | -0.079 | -6.809 | -6.313 | -0.029 | -0.114 |
| 3 | 04:42:07 | 0.079 | 0.020 | -7.592 | -1.759 | -0.085 | -6.421 | -10.240 | -0.040 | -0.114 |
| x | | -0.051 | -0.025 | -7.503 | -1.776 | -0.084 | -6.594 | -8.997 | -0.035 | -0.114 |
| σ | | 0.126 | 0.039 | 0.086 | 0.987 | 0.005 | 0.198 | 2.327 | 0.006 | 0.000 |
| %RSD | | 245.500 | 154.000 | 1.151 | 55.580 | 6.379 | 2.995 | 25.860 | 16.650 | 0.296 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:39:51 | -0.140 | -0.105 | -0.398 | 0.066 | -0.239 | -0.037 | -0.514 | -0.238 | -0.686 |
| 2 | 04:40:59 | -0.086 | -0.098 | -0.363 | 0.018 | 0.104 | -0.037 | -0.448 | 0.103 | -2.351 |
| 3 | 04:42:07 | -0.109 | -0.154 | -0.233 | 0.076 | 0.233 | -0.049 | -0.354 | 0.232 | -0.072 |
| x | | -0.111 | -0.119 | -0.331 | 0.053 | 0.032 | -0.041 | -0.439 | 0.032 | -1.036 |
| σ | | 0.027 | 0.031 | 0.087 | 0.031 | 0.244 | 0.007 | 0.081 | 0.243 | 1.179 |
| %RSD | | 24.310 | 25.690 | 26.210 | 58.240 | 749.800 | 17.030 | 18.370 | 753.100 | 113.800 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:39:51 | 0.002 | 0.015 | 0.048 | 0.009 | 0.001 | 0.003 | 86% | -1.045 | 0.009 |
| 2 | 04:40:59 | -0.004 | 0.052 | 0.024 | -0.025 | 0.023 | 0.003 | 87% | -1.225 | 0.003 |
| 3 | 04:42:07 | -0.038 | 0.020 | 0.019 | -0.008 | 0.023 | 0.006 | 87% | -0.043 | -0.002 |
| x | | -0.013 | 0.029 | 0.030 | -0.008 | 0.016 | 0.004 | 87% | -0.771 | 0.003 |
| σ | | 0.021 | 0.020 | 0.015 | 0.017 | 0.013 | 0.002 | 0% | 0.637 | 0.005 |
| %RSD | | 162.500 | 68.570 | 50.660 | 217.400 | 80.210 | 55.210 | 0 | 82.630 | 158.900 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:39:51 | 0.532 | -1.054 | 0.000 | -0.122 | -0.049 | -0.022 | -0.273 | -0.159 | 90% |
| 2 | 04:40:59 | 0.631 | -1.233 | 0.019 | -0.139 | -0.038 | -0.037 | -0.184 | -0.171 | 90% |
| 3 | 04:42:07 | 0.034 | -0.048 | -0.009 | -0.080 | -0.051 | -0.024 | -0.213 | -0.170 | 89% |
| x | | 0.399 | -0.778 | 0.003 | -0.113 | -0.046 | -0.028 | -0.223 | -0.167 | 90% |
| σ | | 0.320 | 0.639 | 0.014 | 0.031 | 0.007 | 0.008 | 0.045 | 0.006 | 0% |
| %RSD | | 80.280 | 82.100 | 421.100 | 26.980 | 14.690 | 28.400 | 20.390 | 3.878 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:39:51 | 90% | -0.042 | -0.031 | -0.081 | -0.074 | -0.077 | 91% | -0.031 |
| 2 | 04:40:59 | 90% | -0.039 | -0.036 | -0.072 | -0.071 | -0.075 | 93% | -0.030 |
| 3 | 04:42:07 | 90% | -0.048 | -0.034 | -0.074 | -0.069 | -0.074 | 92% | -0.032 |
| x | | 90% | -0.043 | -0.034 | -0.075 | -0.071 | -0.075 | 92% | -0.031 |
| σ | | 0% | 0.005 | 0.003 | 0.005 | 0.003 | 0.001 | 1% | 0.001 |
| %RSD | | 0 | 10.800 | 7.937 | 6.309 | 3.719 | 1.904 | 1 | 3.084 |

**PB54788BL PBW** 05/01/2011 04:46:37 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:47:45 | 79% | -0.076 | -0.865 | 0.000 | 57.740 | -1.783 | -2.855 | -1.847 | 0.295 |
| 2 | 04:48:53 | 79% | -0.109 | -0.369 | 0.000 | 52.310 | -1.968 | -2.412 | -2.716 | 0.269 |
| 3 | 04:50:01 | 79% | -0.097 | -0.349 | 0.000 | 57.990 | -2.074 | -2.194 | -2.383 | 0.068 |
| x | | 79% | -0.094 | -0.528 | 0.000 | 56.010 | -1.941 | -2.487 | -2.315 | 0.211 |
| σ | | 0% | 0.016 | 0.292 | 0.000 | 3.212 | 0.147 | 0.337 | 0.438 | 0.124 |
| %RSD | | 0 | 17.360 | 55.380 | 0.000 | 5.734 | 7.592 | 13.550 | 18.930 | 59.070 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:47:45 | 0.877 | 6.232 | 0.000 | 0.000 | 14.580 | 0.469 | -53.530 | 84% | -0.544 |
| 2 | 04:48:53 | 0.937 | 4.954 | 0.000 | 0.000 | 10.060 | -4.623 | -57.640 | 86% | -0.852 |
| 3 | 04:50:01 | -0.172 | 7.399 | 0.000 | 0.000 | 12.340 | -4.564 | -53.650 | 84% | -0.713 |
| x | | 0.547 | 6.195 | 0.000 | 0.000 | 12.330 | -2.906 | -54.940 | 84% | -0.703 |
| σ | | 0.624 | 1.223 | 0.000 | 0.000 | 2.263 | 2.923 | 2.341 | 1% | 0.154 |
| %RSD | | 113.900 | 19.740 | 0.000 | 0.000 | 18.360 | 100.600 | 4.261 | 1 | 21.950 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:47:45 | -0.050 | -0.066 | -7.658 | 3.699 | -0.097 | -5.815 | -7.388 | -0.043 | -0.079 |
| 2 | 04:48:53 | 0.147 | -0.074 | -8.173 | 0.700 | -0.064 | -6.241 | -9.626 | -0.045 | -0.115 |
| 3 | 04:50:01 | -0.079 | -0.040 | -7.810 | -0.175 | -0.087 | -6.546 | -7.450 | -0.047 | -0.131 |
| x | | 0.006 | -0.060 | -7.881 | 1.408 | -0.083 | -6.201 | -8.155 | -0.045 | -0.108 |
| σ | | 0.123 | 0.018 | 0.265 | 2.031 | 0.017 | 0.367 | 1.275 | 0.002 | 0.027 |
| %RSD | | 2144.000 | 29.600 | 3.359 | 144.300 | 20.120 | 5.918 | 15.640 | 4.144 | 24.740 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:47:45 | -0.091 | -0.112 | -0.361 | -0.038 | -0.878 | -0.018 | 0.089 | -0.873 | -0.136 |
| 2 | 04:48:53 | -0.110 | -0.113 | -0.319 | 0.143 | 0.443 | -0.058 | -0.189 | 0.442 | -0.785 |
| 3 | 04:50:01 | -0.105 | -0.133 | -0.389 | -0.249 | -0.664 | 0.014 | -0.559 | -0.661 | 1.455 |
| x | | -0.102 | -0.119 | -0.356 | -0.048 | -0.366 | -0.020 | -0.219 | -0.364 | 0.178 |
| σ | | 0.010 | 0.012 | 0.035 | 0.196 | 0.709 | 0.036 | 0.325 | 0.706 | 1.152 |
| %RSD | | 9.709 | 10.120 | 9.947 | 410.000 | 193.500 | 176.000 | 148.200 | 193.900 | 647.900 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:47:45 | 0.006 | 0.019 | 0.028 | 0.016 | 0.022 | 0.006 | 88% | -1.338 | 0.011 |
| 2 | 04:48:53 | 0.024 | 0.030 | 0.024 | -0.025 | 0.004 | -0.001 | 87% | -0.422 | 0.005 |
| 3 | 04:50:01 | -0.027 | 0.019 | -0.004 | 0.024 | 0.013 | -0.001 | 88% | 0.555 | -0.009 |
| x | | 0.001 | 0.023 | 0.016 | 0.005 | 0.013 | 0.001 | 88% | -0.402 | 0.002 |
| σ | | 0.026 | 0.006 | 0.018 | 0.027 | 0.009 | 0.004 | 1% | 0.947 | 0.010 |
| %RSD | | 2397.000 | 27.770 | 112.200 | 516.500 | 71.110 | 309.900 | 1 | 235.800 | 430.600 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:47:45 | 0.692 | -1.345 | -0.000 | -0.153 | -0.074 | -0.039 | -0.243 | -0.182 | 90% |
| 2 | 04:48:53 | 0.188 | -0.428 | 0.002 | -0.083 | -0.054 | -0.030 | -0.253 | -0.171 | 90% |
| 3 | 04:50:01 | -0.352 | 0.551 | -0.013 | -0.037 | -0.059 | -0.035 | -0.273 | -0.188 | 90% |
| x | | 0.176 | -0.407 | -0.004 | -0.091 | -0.062 | -0.035 | -0.256 | -0.180 | 90% |
| σ | | 0.522 | 0.948 | 0.008 | 0.058 | 0.011 | 0.005 | 0.015 | 0.009 | 0% |
| %RSD | | 296.500 | 232.800 | 199.500 | 64.180 | 16.980 | 13.320 | 5.879 | 4.770 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:47:45 | 91% | -0.031 | -0.031 | -0.067 | -0.077 | -0.073 | 92% | -0.033 |
| 2 | 04:48:53 | 90% | -0.048 | -0.036 | -0.093 | -0.070 | -0.076 | 92% | -0.033 |
| 3 | 04:50:01 | 90% | -0.046 | -0.038 | -0.077 | -0.068 | -0.074 | 92% | -0.034 |
| x | | 90% | -0.042 | -0.035 | -0.079 | -0.071 | -0.074 | 92% | -0.033 |
| σ | | 0% | 0.009 | 0.004 | 0.013 | 0.005 | 0.002 | 0% | 0.001 |
| %RSD | | 0 | 22.280 | 11.020 | 16.080 | 6.522 | 2.339 | 0 | 2.267 |

**PB54699BS LCSW** 05/01/2011 04:54:31 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:55:39 | 80% | 1.752 | 8.303 | 0.000 | 950.900 | 990.000 | 985.000 | 985.400 | 40.350 |
| 2 | 04:56:47 | 79% | 1.673 | 7.574 | 0.000 | 972.700 | 1019.000 | 1001.000 | 1004.000 | 41.320 |
| 3 | 04:57:55 | 80% | 2.109 | 10.030 | 0.000 | 968.500 | 1007.000 | 998.300 | 1017.000 | 40.460 |
| x | | 80% | 1.845 | 8.637 | 0.000 | 964.000 | 1006.000 | 994.900 | 1002.000 | 40.710 |
| σ | | 0% | 0.232 | 1.263 | 0.000 | 11.590 | 14.770 | 8.628 | 15.910 | 0.529 |
| %RSD | | 0 | 12.570 | 14.630 | 0.000 | 1.203 | 1.469 | 0.867 | 1.588 | 1.298 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:55:39 | 10.540 | -0.143 | 0.000 | 0.000 | 960.900 | 851.700 | 885.500 | 85% | 9.152 |
| 2 | 04:56:47 | 9.909 | 3.829 | 0.000 | 0.000 | 987.200 | 902.100 | 900.500 | 85% | 7.480 |
| 3 | 04:57:55 | 13.330 | 0.052 | 0.000 | 0.000 | 987.200 | 846.900 | 904.300 | 84% | 8.870 |
| x | | 11.260 | 1.246 | 0.000 | 0.000 | 978.400 | 866.900 | 896.800 | 85% | 8.501 |
| σ | | 1.819 | 2.239 | 0.000 | 0.000 | 15.220 | 30.630 | 9.944 | 1% | 0.895 |
| %RSD | | 16.160 | 179.700 | 0.000 | 0.000 | 1.556 | 3.533 | 1.109 | 1 | 10.530 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:55:39 | 10.040 | 3.801 | -8.389 | 397.400 | 1.839 | 386.100 | 375.900 | 1.980 | 1.716 |
| 2 | 04:56:47 | 9.567 | 3.843 | -7.916 | 402.600 | 1.818 | 385.900 | 385.400 | 1.947 | 2.224 |
| 3 | 04:57:55 | 9.910 | 3.803 | -7.791 | 405.400 | 1.904 | 391.800 | 386.400 | 2.007 | 2.321 |
| x | | 9.838 | 3.815 | -8.032 | 401.800 | 1.854 | 387.900 | 382.500 | 1.978 | 2.087 |
| σ | | 0.243 | 0.024 | 0.315 | 4.031 | 0.045 | 3.377 | 5.821 | 0.030 | 0.325 |
| %RSD | | 2.466 | 0.623 | 3.926 | 1.003 | 2.434 | 0.870 | 1.522 | 1.528 | 15.570 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:55:39 | 3.570 | 3.870 | 3.519 | 1.871 | 8.592 | -0.028 | 9.021 | 8.556 | -0.239 |
| 2 | 04:56:47 | 3.867 | 3.961 | 3.674 | 2.044 | 10.290 | -0.065 | 9.334 | 10.240 | -3.432 |
| 3 | 04:57:55 | 3.639 | 4.045 | 3.484 | 1.564 | 9.358 | 0.028 | 8.787 | 9.301 | 1.004 |
| x | | 3.692 | 3.959 | 3.559 | 1.826 | 9.413 | -0.022 | 9.047 | 9.366 | -0.889 |
| σ | | 0.156 | 0.087 | 0.101 | 0.244 | 0.850 | 0.046 | 0.275 | 0.844 | 2.288 |
| %RSD | | 4.213 | 2.207 | 2.839 | 13.330 | 9.031 | 215.400 | 3.037 | 9.006 | 257.400 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:55:39 | 5.751 | 8.921 | 8.601 | 8.747 | 9.063 | -0.001 | 88% | 0.817 | 2.041 |
| 2 | 04:56:47 | 5.702 | 9.166 | 8.800 | 9.046 | 8.871 | 0.003 | 89% | 1.281 | 2.015 |
| 3 | 04:57:55 | 5.696 | 9.644 | 8.486 | 8.810 | 9.298 | 0.006 | 89% | 1.271 | 1.993 |
| x | | 5.716 | 9.244 | 8.629 | 8.868 | 9.077 | 0.003 | 89% | 1.123 | 2.016 |
| σ | | 0.030 | 0.367 | 0.159 | 0.158 | 0.214 | 0.004 | 0% | 0.265 | 0.024 |
| %RSD | | 0.533 | 3.976 | 1.842 | 1.783 | 2.357 | 142.200 | 0 | 23.610 | 1.197 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:55:39 | 0.704 | 0.812 | 1.959 | 1.689 | 7.918 | 3.532 | 18.370 | 18.540 | 91% |
| 2 | 04:56:47 | 0.223 | 1.280 | 1.986 | 1.699 | 8.103 | 3.830 | 18.450 | 19.120 | 91% |
| 3 | 04:57:55 | 0.388 | 1.271 | 1.951 | 1.779 | 8.110 | 3.680 | 18.610 | 19.390 | 90% |
| x | | 0.438 | 1.121 | 1.965 | 1.722 | 8.044 | 3.681 | 18.480 | 19.020 | 91% |
| σ | | 0.245 | 0.268 | 0.018 | 0.050 | 0.109 | 0.149 | 0.124 | 0.433 | 0% |
| %RSD | | 55.810 | 23.860 | 0.930 | 2.880 | 1.352 | 4.049 | 0.672 | 2.279 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 04:55:39 | 91% | 1.835 | 1.892 | 1.791 | 1.744 | 1.772 | 94% | -0.035 |
| 2 | 04:56:47 | 92% | 1.845 | 1.887 | 1.807 | 1.840 | 1.848 | 93% | -0.034 |
| 3 | 04:57:55 | 91% | 1.819 | 1.882 | 1.914 | 1.901 | 1.876 | 93% | -0.036 |
| x | | 91% | 1.833 | 1.887 | 1.837 | 1.828 | 1.832 | 93% | -0.035 |
| σ | | 1% | 0.013 | 0.005 | 0.067 | 0.079 | 0.054 | 0% | 0.001 |
| %RSD | | 1 | 0.700 | 0.274 | 3.652 | 4.311 | 2.926 | 0 | 2.905 |

**PB54700BS LCSW** 05/01/2011 05:02:24 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:03:32 | 80% | 1.853 | 10.570 | 0.000 | 979.800 | 1024.000 | 1020.000 | 1031.000 | 41.850 |
| 2 | 05:04:40 | 78% | 1.663 | 9.038 | 0.000 | 996.900 | 1028.000 | 1022.000 | 1037.000 | 42.250 |
| 3 | 05:05:48 | 80% | 2.070 | 10.100 | 0.000 | 982.500 | 1023.000 | 1022.000 | 1026.000 | 41.930 |
| x | | 80% | 1.862 | 9.901 | 0.000 | 986.400 | 1025.000 | 1021.000 | 1031.000 | 42.010 |
| σ | | 1% | 0.204 | 0.783 | 0.000 | 9.198 | 2.630 | 1.277 | 5.509 | 0.211 |
| %RSD | | 1 | 10.940 | 7.912 | 0.000 | 0.933 | 0.257 | 0.125 | 0.534 | 0.503 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:03:32 | 12.560 | 6.457 | 0.000 | 0.000 | 996.900 | 924.300 | 935.300 | 84% | 8.193 |
| 2 | 05:04:40 | 11.210 | 3.479 | 0.000 | 0.000 | 1002.000 | 892.200 | 925.100 | 85% | 8.563 |
| 3 | 05:05:48 | 9.334 | 1.928 | 0.000 | 0.000 | 990.900 | 913.200 | 906.500 | 86% | 7.598 |
| x | | 11.040 | 3.955 | 0.000 | 0.000 | 996.400 | 909.900 | 922.300 | 85% | 8.118 |
| σ | | 1.623 | 2.302 | 0.000 | 0.000 | 5.381 | 16.320 | 14.600 | 1% | 0.487 |
| %RSD | | 14.700 | 58.210 | 0.000 | 0.000 | 0.540 | 1.793 | 1.583 | 1 | 6.000 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:03:32 | 9.929 | 3.967 | -8.238 | 406.200 | 1.969 | 400.500 | 400.900 | 1.910 | 1.952 |
| 2 | 05:04:40 | 10.080 | 4.017 | -8.398 | 406.000 | 1.847 | 395.400 | 382.500 | 2.007 | 2.003 |
| 3 | 05:05:48 | 10.530 | 4.004 | -8.509 | 408.000 | 1.896 | 396.000 | 389.900 | 1.970 | 1.986 |
| x | | 10.180 | 3.996 | -8.382 | 406.700 | 1.904 | 397.300 | 391.100 | 1.962 | 1.980 |
| σ | | 0.313 | 0.026 | 0.136 | 1.112 | 0.062 | 2.811 | 9.251 | 0.049 | 0.026 |
| %RSD | | 3.074 | 0.658 | 1.623 | 0.274 | 3.237 | 0.708 | 2.366 | 2.503 | 1.302 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:03:32 | 3.938 | 3.976 | 3.813 | 1.793 | 9.201 | 0.005 | 9.563 | 9.152 | -2.994 |
| 2 | 05:04:40 | 4.078 | 4.187 | 3.401 | 1.922 | 9.742 | -0.047 | 8.704 | 9.696 | 0.397 |
| 3 | 05:05:48 | 3.993 | 4.114 | 3.741 | 1.966 | 10.100 | -0.045 | 10.490 | 10.060 | -1.871 |
| x | | 4.003 | 4.092 | 3.652 | 1.893 | 9.682 | -0.029 | 9.585 | 9.636 | -1.489 |
| σ | | 0.071 | 0.107 | 0.220 | 0.090 | 0.454 | 0.030 | 0.892 | 0.456 | 1.728 |
| %RSD | | 1.762 | 2.622 | 6.032 | 4.754 | 4.688 | 103.000 | 9.307 | 4.737 | 116.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:03:32 | 5.906 | 9.403 | 8.550 | 9.040 | 9.243 | 0.006 | 88% | 3.024 | 2.048 |
| 2 | 05:04:40 | 5.299 | 9.853 | 9.033 | 9.168 | 9.605 | 0.006 | 88% | 1.890 | 1.917 |
| 3 | 05:05:48 | 5.868 | 9.691 | 9.210 | 9.858 | 9.332 | 0.003 | 89% | 0.498 | 1.940 |
| x | | 5.691 | 9.649 | 8.931 | 9.355 | 9.393 | 0.005 | 88% | 1.804 | 1.969 |
| σ | | 0.340 | 0.228 | 0.341 | 0.440 | 0.188 | 0.002 | 0% | 1.265 | 0.070 |
| %RSD | | 5.974 | 2.358 | 3.820 | 4.706 | 2.005 | 42.500 | 1 | 70.130 | 3.558 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:03:32 | -0.835 | 3.022 | 2.006 | 1.882 | 8.114 | 3.598 | 19.090 | 19.830 | 91% |
| 2 | 05:04:40 | 0.328 | 1.888 | 2.039 | 1.924 | 8.167 | 3.716 | 18.760 | 19.710 | 91% |
| 3 | 05:05:48 | 0.656 | 0.494 | 1.985 | 1.772 | 8.175 | 3.725 | 19.590 | 18.220 | 91% |
| x | | 0.050 | 1.801 | 2.010 | 1.859 | 8.152 | 3.680 | 19.150 | 19.260 | 91% |
| σ | | 0.784 | 1.266 | 0.027 | 0.079 | 0.033 | 0.071 | 0.416 | 0.896 | 0% |
| %RSD | | 1579.000 | 70.300 | 1.340 | 4.223 | 0.404 | 1.924 | 2.174 | 4.655 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:03:32 | 91% | 1.890 | 1.930 | 1.843 | 1.912 | 1.880 | 93% | -0.034 |
| 2 | 05:04:40 | 91% | 1.889 | 1.961 | 1.899 | 1.958 | 1.910 | 93% | -0.035 |
| 3 | 05:05:48 | 92% | 1.888 | 1.877 | 1.876 | 1.918 | 1.916 | 93% | -0.037 |
| x | | 91% | 1.889 | 1.923 | 1.872 | 1.929 | 1.902 | 93% | -0.036 |
| σ | | 1% | 0.001 | 0.042 | 0.028 | 0.025 | 0.019 | 0% | 0.002 |
| %RSD | | 1 | 0.047 | 2.187 | 1.501 | 1.292 | 1.023 | 0 | 4.349 |

**PB54788BS LCSW** 05/01/2011 05:10:19 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:11:26 | 79% | 1.799 | 9.505 | 0.000 | 1004.000 | 1045.000 | 1028.000 | 1000.000 | 42.470 |
| 2 | 05:12:34 | 77% | 1.862 | 9.692 | 0.000 | 1039.000 | 1060.000 | 1061.000 | 1059.000 | 44.220 |
| 3 | 05:13:42 | 80% | 1.793 | 11.150 | 0.000 | 985.300 | 1026.000 | 1024.000 | 1022.000 | 41.270 |
| x | | 78% | 1.818 | 10.110 | 0.000 | 1009.000 | 1043.000 | 1037.000 | 1027.000 | 42.650 |
| σ | | 1% | 0.038 | 0.898 | 0.000 | 27.000 | 17.020 | 20.080 | 29.500 | 1.484 |
| %RSD | | 1 | 2.112 | 8.882 | 0.000 | 2.675 | 1.631 | 1.935 | 2.872 | 3.479 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:11:26 | 10.860 | 3.221 | 0.000 | 0.000 | 994.200 | 950.100 | 929.800 | 85% | 8.403 |
| 2 | 05:12:34 | 11.730 | 4.653 | 0.000 | 0.000 | 1039.000 | 988.300 | 947.300 | 84% | 8.881 |
| 3 | 05:13:42 | 10.530 | 3.466 | 0.000 | 0.000 | 998.400 | 892.300 | 941.800 | 86% | 8.947 |
| x | | 11.040 | 3.780 | 0.000 | 0.000 | 1011.000 | 943.600 | 939.600 | 85% | 8.744 |
| σ | | 0.622 | 0.766 | 0.000 | 0.000 | 24.770 | 48.300 | 8.949 | 1% | 0.297 |
| %RSD | | 5.631 | 20.260 | 0.000 | 0.000 | 2.451 | 5.119 | 0.952 | 1 | 3.399 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:11:26 | 9.537 | 4.149 | -8.517 | 404.000 | 1.824 | 392.800 | 392.500 | 1.900 | 1.876 |
| 2 | 05:12:34 | 10.010 | 4.079 | -8.606 | 421.000 | 1.938 | 412.500 | 411.700 | 2.098 | 2.038 |
| 3 | 05:13:42 | 9.849 | 3.956 | -8.406 | 406.400 | 1.953 | 396.200 | 390.500 | 1.928 | 1.936 |
| x | | 9.797 | 4.061 | -8.509 | 410.500 | 1.905 | 400.500 | 398.200 | 1.975 | 1.950 |
| σ | | 0.238 | 0.098 | 0.100 | 9.179 | 0.070 | 10.530 | 11.710 | 0.107 | 0.082 |
| %RSD | | 2.432 | 2.407 | 1.176 | 2.236 | 3.696 | 2.629 | 2.942 | 5.432 | 4.189 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:11:26 | 3.849 | 4.043 | 3.903 | 1.609 | 9.923 | 0.006 | 9.909 | 9.878 | -0.851 |
| 2 | 05:12:34 | 4.082 | 4.139 | 3.549 | 1.686 | 8.785 | 0.016 | 9.620 | 8.743 | 0.857 |
| 3 | 05:13:42 | 3.834 | 4.142 | 4.134 | 1.737 | 9.259 | -0.008 | 9.567 | 9.214 | -0.417 |
| x | | 3.921 | 4.108 | 3.862 | 1.678 | 9.322 | 0.005 | 9.699 | 9.278 | -0.137 |
| σ | | 0.139 | 0.056 | 0.295 | 0.064 | 0.572 | 0.012 | 0.184 | 0.571 | 0.888 |
| %RSD | | 3.542 | 1.364 | 7.635 | 3.838 | 6.135 | 261.600 | 1.896 | 6.148 | 647.600 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:11:26 | 5.973 | 9.491 | 9.283 | 9.698 | 9.353 | 0.006 | 88% | 1.182 | 2.128 |
| 2 | 05:12:34 | 5.907 | 10.070 | 9.082 | 9.872 | 9.788 | 0.006 | 87% | 1.380 | 2.145 |
| 3 | 05:13:42 | 5.534 | 9.528 | 9.035 | 9.351 | 9.631 | 0.003 | 90% | 1.281 | 1.884 |
| x | | 5.805 | 9.696 | 9.133 | 9.640 | 9.591 | 0.005 | 88% | 1.281 | 2.052 |
| σ | | 0.237 | 0.323 | 0.132 | 0.265 | 0.220 | 0.002 | 1% | 0.099 | 0.146 |
| %RSD | | 4.082 | 3.333 | 1.440 | 2.747 | 2.293 | 43.240 | 1 | 7.736 | 7.107 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:11:26 | 0.285 | 1.180 | 1.948 | 2.082 | 8.663 | 3.720 | 19.250 | 19.740 | 90% |
| 2 | 05:12:34 | 0.349 | 1.376 | 2.055 | 1.718 | 8.426 | 3.836 | 20.180 | 19.630 | 90% |
| 3 | 05:13:42 | 0.640 | 1.279 | 1.915 | 1.804 | 7.865 | 3.797 | 18.670 | 18.460 | 92% |
| x | | 0.425 | 1.278 | 1.972 | 1.868 | 8.318 | 3.785 | 19.370 | 19.270 | 91% |
| σ | | 0.190 | 0.098 | 0.073 | 0.190 | 0.410 | 0.059 | 0.760 | 0.711 | 1% |
| %RSD | | 44.630 | 7.687 | 3.705 | 10.180 | 4.927 | 1.562 | 3.926 | 3.688 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:11:26 | 92% | 1.892 | 1.957 | 1.939 | 1.906 | 1.895 | 93% | -0.034 |
| 2 | 05:12:34 | 92% | 1.880 | 1.971 | 1.887 | 1.976 | 1.945 | 93% | -0.033 |
| 3 | 05:13:42 | 93% | 1.984 | 1.897 | 1.792 | 1.839 | 1.818 | 94% | -0.035 |
| x | | 92% | 1.919 | 1.942 | 1.873 | 1.907 | 1.886 | 93% | -0.034 |
| σ | | 1% | 0.057 | 0.039 | 0.075 | 0.069 | 0.064 | 1% | 0.001 |
| %RSD | | 1 | 2.984 | 2.029 | 3.978 | 3.598 | 3.398 | 1 | 3.233 |

**zzzzzz** 05/01/2011 05:18:13 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:19:21 | 80% | -0.098 | -1.536 | 0.000 | 54.990 | -1.589 | -1.350 | -1.859 | 0.060 |
| 2 | 05:20:29 | 78% | -0.130 | 0.501 | 0.000 | 56.230 | -1.790 | -1.962 | -0.983 | -0.102 |
| 3 | 05:21:37 | 78% | -0.119 | -0.341 | 0.000 | 57.420 | -2.025 | -2.847 | -2.129 | -0.030 |
| x | | 79% | -0.116 | -0.459 | 0.000 | 56.210 | -1.801 | -2.053 | -1.657 | -0.024 |
| σ | | 1% | 0.016 | 1.024 | 0.000 | 1.219 | 0.218 | 0.753 | 0.599 | 0.081 |
| %RSD | | 1 | 13.780 | 223.200 | 0.000 | 2.168 | 12.110 | 36.660 | 36.150 | 338.000 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:19:21 | 0.186 | 3.257 | 0.000 | 0.000 | 13.360 | -1.198 | -57.380 | 83% | -0.677 |
| 2 | 05:20:29 | -0.594 | 6.758 | 0.000 | 0.000 | 9.947 | 3.797 | -58.640 | 84% | -0.746 |
| 3 | 05:21:37 | 0.999 | -0.686 | 0.000 | 0.000 | 9.188 | -4.577 | -58.680 | 84% | -0.981 |
| x | | 0.197 | 3.110 | 0.000 | 0.000 | 10.830 | -0.659 | -58.230 | 84% | -0.801 |
| σ | | 0.797 | 3.724 | 0.000 | 0.000 | 2.224 | 4.213 | 0.742 | 0% | 0.159 |
| %RSD | | 404.100 | 119.800 | 0.000 | 0.000 | 20.530 | 639.000 | 1.275 | 1 | 19.890 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:19:21 | 0.262 | -0.068 | -9.079 | -1.022 | -0.066 | -5.437 | -7.678 | -0.043 | -0.070 |
| 2 | 05:20:29 | 0.149 | -0.085 | -9.028 | 0.638 | -0.105 | -5.631 | -9.773 | -0.041 | -0.044 |
| 3 | 05:21:37 | 0.113 | -0.055 | -9.173 | -2.540 | -0.093 | -5.971 | -9.332 | -0.042 | -0.166 |
| x | | 0.175 | -0.069 | -9.093 | -0.975 | -0.088 | -5.680 | -8.928 | -0.042 | -0.093 |
| σ | | 0.078 | 0.015 | 0.074 | 1.590 | 0.020 | 0.270 | 1.105 | 0.001 | 0.064 |
| %RSD | | 44.520 | 21.480 | 0.809 | 163.100 | 22.670 | 4.757 | 12.370 | 2.455 | 68.600 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:19:21 | -0.173 | -0.161 | -0.214 | -0.162 | -0.624 | -0.008 | -0.859 | -0.620 | 1.170 |
| 2 | 05:20:29 | -0.177 | -0.119 | -0.306 | 0.032 | 0.274 | -0.051 | -0.577 | 0.273 | -2.051 |
| 3 | 05:21:37 | -0.113 | -0.148 | -0.171 | -0.100 | -0.663 | -0.020 | -0.828 | -0.660 | 1.105 |
| x | | -0.154 | -0.143 | -0.230 | -0.077 | -0.337 | -0.026 | -0.755 | -0.336 | 0.074 |
| σ | | 0.036 | 0.022 | 0.069 | 0.099 | 0.530 | 0.022 | 0.155 | 0.527 | 1.841 |
| %RSD | | 23.370 | 15.150 | 30.030 | 129.100 | 157.200 | 85.440 | 20.500 | 157.100 | 2473.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:19:21 | -0.032 | 0.025 | -0.023 | -0.050 | -0.016 | -0.001 | 88% | -0.094 | -0.021 |
| 2 | 05:20:29 | -0.049 | -0.002 | 0.009 | -0.001 | -0.013 | -0.001 | 88% | -0.323 | -0.018 |
| 3 | 05:21:37 | -0.072 | 0.030 | -0.028 | 0.033 | -0.016 | 0.003 | 88% | 1.059 | -0.019 |
| x | | -0.051 | 0.018 | -0.014 | -0.006 | -0.015 | 0.000 | 88% | 0.214 | -0.019 |
| σ | | 0.020 | 0.017 | 0.020 | 0.042 | 0.002 | 0.002 | 0% | 0.741 | 0.002 |
| %RSD | | 38.450 | 96.690 | 146.100 | 682.300 | 12.370 | 1467.000 | 0 | 346.400 | 8.785 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:19:21 | 0.006 | -0.099 | -0.009 | -0.077 | -0.039 | -0.049 | -0.263 | -0.154 | 90% |
| 2 | 05:20:29 | 0.133 | -0.329 | -0.023 | -0.071 | -0.057 | -0.053 | -0.253 | -0.149 | 91% |
| 3 | 05:21:37 | -0.631 | 1.058 | -0.016 | 0.008 | -0.093 | -0.046 | -0.233 | -0.182 | 89% |
| x | | -0.164 | 0.210 | -0.016 | -0.046 | -0.063 | -0.049 | -0.250 | -0.162 | 90% |
| σ | | 0.409 | 0.743 | 0.007 | 0.047 | 0.028 | 0.004 | 0.015 | 0.018 | 1% |
| %RSD | | 250.100 | 354.400 | 43.360 | 101.500 | 43.820 | 7.259 | 6.087 | 10.950 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:19:21 | 91% | -0.052 | -0.044 | -0.080 | -0.078 | -0.080 | 93% | -0.038 |
| 2 | 05:20:29 | 90% | -0.047 | -0.041 | -0.085 | -0.079 | -0.079 | 92% | -0.037 |
| 3 | 05:21:37 | 91% | -0.048 | -0.040 | -0.087 | -0.075 | -0.079 | 93% | -0.037 |
| x | | 91% | -0.049 | -0.042 | -0.084 | -0.077 | -0.079 | 93% | -0.038 |
| σ | | 0% | 0.003 | 0.002 | 0.003 | 0.002 | 0.000 | 1% | 0.000 |
| %RSD | | 0 | 5.517 | 5.044 | 4.050 | 2.861 | 0.535 | 1 | 0.712 |

**PB54791BL PBW** 05/01/2011 05:26:08 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:27:16 | 79% | -0.077 | -1.530 | 0.000 | 50.090 | -3.127 | -3.420 | -3.625 | -0.222 |
| 2 | 05:28:24 | 78% | -0.152 | -1.510 | 0.000 | 55.860 | -3.098 | -2.896 | -3.589 | -0.285 |
| 3 | 05:29:32 | 80% | -0.130 | -1.038 | 0.000 | 50.840 | -3.513 | -3.826 | -3.499 | -0.365 |
| x | | 79% | -0.120 | -1.359 | 0.000 | 52.260 | -3.246 | -3.380 | -3.571 | -0.291 |
| σ | | 1% | 0.039 | 0.278 | 0.000 | 3.137 | 0.232 | 0.466 | 0.065 | 0.072 |
| %RSD | | 1 | 32.330 | 20.480 | 0.000 | 6.002 | 7.143 | 13.790 | 1.817 | 24.630 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:27:16 | 1.048 | 0.817 | 0.000 | 0.000 | 8.221 | 2.161 | -58.110 | 83% | -1.013 |
| 2 | 05:28:24 | 0.913 | 4.602 | 0.000 | 0.000 | 2.867 | 1.960 | -57.040 | 85% | -0.851 |
| 3 | 05:29:32 | 0.472 | 4.823 | 0.000 | 0.000 | 3.669 | -1.281 | -60.780 | 85% | -0.882 |
| x | | 0.811 | 3.414 | 0.000 | 0.000 | 4.919 | 0.947 | -58.640 | 84% | -0.916 |
| σ | | 0.301 | 2.252 | 0.000 | 0.000 | 2.887 | 1.932 | 1.928 | 1% | 0.086 |
| %RSD | | 37.130 | 65.960 | 0.000 | 0.000 | 58.690 | 204.100 | 3.288 | 1 | 9.413 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:27:16 | 0.121 | -0.093 | -9.169 | 1.516 | -0.098 | -6.408 | -11.860 | -0.051 | -0.139 |
| 2 | 05:28:24 | 0.195 | -0.085 | -9.402 | -1.145 | -0.092 | -6.763 | -8.575 | -0.051 | -0.090 |
| 3 | 05:29:32 | 0.253 | -0.034 | -9.767 | -3.157 | -0.103 | -6.740 | -7.056 | -0.045 | -0.157 |
| x | | 0.190 | -0.071 | -9.446 | -0.929 | -0.098 | -6.637 | -9.163 | -0.049 | -0.129 |
| σ | | 0.066 | 0.032 | 0.301 | 2.344 | 0.005 | 0.199 | 2.454 | 0.003 | 0.035 |
| %RSD | | 34.820 | 45.240 | 3.192 | 252.300 | 5.241 | 2.994 | 26.780 | 6.509 | 27.240 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:27:16 | -0.101 | -0.154 | -0.416 | -0.007 | 0.404 | -0.042 | -0.654 | 0.402 | -2.659 |
| 2 | 05:28:24 | -0.158 | -0.176 | -0.356 | -0.065 | 0.018 | -0.027 | -0.072 | 0.018 | -2.444 |
| 3 | 05:29:32 | -0.144 | -0.155 | -0.273 | -0.273 | -0.405 | 0.010 | 0.041 | -0.403 | -0.553 |
| x | | -0.134 | -0.162 | -0.348 | -0.115 | 0.006 | -0.020 | -0.228 | 0.005 | -1.886 |
| σ | | 0.030 | 0.012 | 0.072 | 0.140 | 0.405 | 0.027 | 0.373 | 0.402 | 1.159 |
| %RSD | | 22.040 | 7.699 | 20.550 | 121.500 | 7223.000 | 134.700 | 163.300 | 7388.000 | 61.450 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:27:16 | -0.044 | -0.033 | -0.018 | -0.050 | -0.025 | -0.001 | 88% | 0.924 | -0.016 |
| 2 | 05:28:24 | -0.061 | -0.028 | -0.041 | -0.034 | -0.038 | 0.003 | 88% | -0.116 | -0.021 |
| 3 | 05:29:32 | -0.055 | -0.013 | -0.042 | -0.026 | -0.022 | 0.003 | 88% | 0.003 | -0.023 |
| x | | -0.053 | -0.025 | -0.034 | -0.037 | -0.028 | 0.001 | 88% | 0.271 | -0.020 |
| σ | | 0.009 | 0.011 | 0.013 | 0.012 | 0.008 | 0.002 | 0% | 0.569 | 0.004 |
| %RSD | | 16.360 | 43.350 | 39.820 | 33.640 | 29.300 | 155.600 | 0 | 210.300 | 18.080 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:27:16 | -0.446 | 0.921 | -0.018 | -0.026 | -0.070 | -0.065 | -0.273 | -0.193 | 90% |
| 2 | 05:28:24 | 0.073 | -0.121 | -0.016 | -0.077 | -0.072 | -0.048 | -0.263 | -0.188 | 90% |
| 3 | 05:29:32 | -0.048 | -0.000 | -0.025 | -0.064 | -0.053 | -0.067 | -0.293 | -0.193 | 90% |
| x | | -0.140 | 0.267 | -0.020 | -0.056 | -0.065 | -0.060 | -0.276 | -0.191 | 90% |
| σ | | 0.271 | 0.570 | 0.005 | 0.026 | 0.010 | 0.011 | 0.015 | 0.003 | 0% |
| %RSD | | 193.500 | 213.800 | 23.500 | 47.290 | 15.990 | 17.770 | 5.437 | 1.659 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:27:16 | 91% | -0.048 | -0.042 | -0.086 | -0.073 | -0.083 | 93% | -0.039 |
| 2 | 05:28:24 | 91% | -0.051 | -0.043 | -0.093 | -0.075 | -0.083 | 94% | -0.038 |
| 3 | 05:29:32 | 92% | -0.050 | -0.047 | -0.083 | -0.081 | -0.084 | 95% | -0.039 |
| x | | 91% | -0.050 | -0.044 | -0.087 | -0.076 | -0.083 | 94% | -0.039 |
| σ | | 1% | 0.002 | 0.003 | 0.005 | 0.004 | 0.001 | 1% | 0.001 |
| %RSD | | 1 | 3.575 | 6.464 | 5.894 | 5.586 | 0.664 | 1 | 1.842 |

**PB54791BS LCSW** 05/01/2011 05:34:04 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:35:11 | 78% | 1.835 | 9.934 | 0.000 | 917.500 | 952.600 | 955.900 | 943.700 | 40.410 |
| 2 | 05:36:19 | 79% | 1.724 | 7.724 | 0.000 | 907.800 | 942.300 | 935.900 | 957.000 | 38.170 |
| 3 | 05:37:27 | 79% | 1.880 | 10.080 | 0.000 | 926.200 | 959.200 | 958.100 | 947.600 | 39.600 |
| x | | 79% | 1.813 | 9.246 | 0.000 | 917.200 | 951.400 | 950.000 | 949.400 | 39.390 |
| σ | | 1% | 0.080 | 1.320 | 0.000 | 9.233 | 8.504 | 12.250 | 6.830 | 1.138 |
| %RSD | | 1 | 4.426 | 14.280 | 0.000 | 1.007 | 0.894 | 1.290 | 0.719 | 2.888 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:35:11 | 10.210 | 0.285 | 0.000 | 0.000 | 921.700 | 877.100 | 839.500 | 84% | 7.385 |
| 2 | 05:36:19 | 11.250 | 0.061 | 0.000 | 0.000 | 896.100 | 881.700 | 833.300 | 85% | 7.329 |
| 3 | 05:37:27 | 9.773 | 1.753 | 0.000 | 0.000 | 935.300 | 827.800 | 856.800 | 84% | 8.703 |
| x | | 10.410 | 0.700 | 0.000 | 0.000 | 917.700 | 862.200 | 843.200 | 84% | 7.806 |
| σ | | 0.759 | 0.919 | 0.000 | 0.000 | 19.940 | 29.880 | 12.200 | 1% | 0.778 |
| %RSD | | 7.295 | 131.400 | 0.000 | 0.000 | 2.173 | 3.466 | 1.446 | 1 | 9.965 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:35:11 | 9.502 | 3.573 | -9.230 | 371.100 | 1.799 | 364.000 | 359.900 | 1.834 | 1.915 |
| 2 | 05:36:19 | 9.411 | 3.589 | -9.905 | 363.700 | 1.804 | 358.100 | 355.500 | 1.751 | 1.698 |
| 3 | 05:37:27 | 9.296 | 3.797 | -9.018 | 381.100 | 1.697 | 371.300 | 365.900 | 1.795 | 1.793 |
| x | | 9.403 | 3.653 | -9.384 | 372.000 | 1.767 | 364.500 | 360.400 | 1.793 | 1.802 |
| σ | | 0.103 | 0.125 | 0.463 | 8.732 | 0.060 | 6.590 | 5.188 | 0.041 | 0.109 |
| %RSD | | 1.097 | 3.410 | 4.936 | 2.347 | 3.401 | 1.808 | 1.439 | 2.291 | 6.053 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:35:11 | 3.793 | 3.588 | 3.515 | 1.918 | 10.330 | -0.075 | 7.880 | 10.280 | -3.331 |
| 2 | 05:36:19 | 3.433 | 3.632 | 3.257 | 1.736 | 8.514 | -0.044 | 8.466 | 8.482 | -0.225 |
| 3 | 05:37:27 | 3.685 | 3.389 | 3.779 | 1.334 | 7.911 | 0.030 | 8.647 | 7.872 | 1.780 |
| x | | 3.637 | 3.536 | 3.517 | 1.662 | 8.920 | -0.030 | 8.331 | 8.877 | -0.592 |
| σ | | 0.185 | 0.130 | 0.261 | 0.299 | 1.262 | 0.054 | 0.401 | 1.251 | 2.576 |
| %RSD | | 5.077 | 3.662 | 7.421 | 17.980 | 14.150 | 182.200 | 4.812 | 14.090 | 435.100 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:35:11 | 5.234 | 8.619 | 8.196 | 8.383 | 8.447 | 0.003 | 88% | 1.409 | 1.818 |
| 2 | 05:36:19 | 5.153 | 8.635 | 8.225 | 8.834 | 8.778 | -0.001 | 88% | 0.688 | 1.850 |
| 3 | 05:37:27 | 5.164 | 8.790 | 8.560 | 9.366 | 8.920 | 0.010 | 88% | 1.359 | 1.748 |
| x | | 5.184 | 8.681 | 8.327 | 8.861 | 8.715 | 0.004 | 88% | 1.152 | 1.805 |
| σ | | 0.044 | 0.094 | 0.202 | 0.492 | 0.243 | 0.006 | 0% | 0.403 | 0.052 |
| %RSD | | 0.848 | 1.087 | 2.431 | 5.550 | 2.786 | 147.000 | 0 | 34.980 | 2.898 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:35:11 | 0.380 | 1.405 | 1.906 | 1.614 | 7.654 | 3.459 | 16.640 | 17.450 | 91% |
| 2 | 05:36:19 | 0.505 | 0.682 | 1.868 | 1.675 | 7.637 | 3.543 | 18.210 | 17.340 | 91% |
| 3 | 05:37:27 | -0.027 | 1.355 | 1.997 | 1.842 | 7.534 | 3.498 | 17.250 | 18.500 | 91% |
| x | | 0.286 | 1.148 | 1.924 | 1.710 | 7.609 | 3.500 | 17.370 | 17.760 | 91% |
| σ | | 0.278 | 0.404 | 0.066 | 0.118 | 0.065 | 0.042 | 0.796 | 0.636 | 0% |
| %RSD | | 97.170 | 35.200 | 3.439 | 6.880 | 0.852 | 1.207 | 4.584 | 3.580 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:35:11 | 92% | 1.765 | 1.769 | 1.750 | 1.726 | 1.729 | 93% | -0.039 |
| 2 | 05:36:19 | 91% | 1.830 | 1.722 | 1.784 | 1.741 | 1.747 | 94% | -0.038 |
| 3 | 05:37:27 | 92% | 1.821 | 1.789 | 1.736 | 1.818 | 1.778 | 94% | -0.039 |
| x | | 92% | 1.805 | 1.760 | 1.756 | 1.762 | 1.751 | 94% | -0.038 |
| σ | | 0% | 0.035 | 0.034 | 0.025 | 0.049 | 0.025 | 0% | 0.001 |
| %RSD | | 0 | 1.950 | 1.945 | 1.411 | 2.798 | 1.411 | 0 | 1.339 |

**CCV** 05/01/2011 05:41:57 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:43:05 | 76% | 496.600 | 469.200 | 0.000 | 51000.000 | 51480.000 | 50620.000 | 50370.000 | 10160.000 |
| 2 | 05:44:13 | 75% | 506.100 | 502.400 | 0.000 | 51690.000 | 51610.000 | 51170.000 | 50860.000 | 10100.000 |
| 3 | 05:45:21 | 76% | 502.400 | 489.000 | 0.000 | 51720.000 | 51570.000 | 50580.000 | 50270.000 | 10100.000 |
| x | | 75% | 501.700 | 486.900 | 0.000 | 51470.000 | 51550.000 | 50790.000 | 50500.000 | 10120.000 |
| σ | | 1% | 4.794 | 16.710 | 0.000 | 406.100 | 65.170 | 330.300 | 316.500 | 34.220 |
| %RSD | | 1 | 0.956 | 3.432 | 0.000 | 0.789 | 0.126 | 0.650 | 0.627 | 0.338 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:43:05 | 534.500 | 10190.000 | 0.000 | 0.000 | 25620.000 | 51450.000 | 49130.000 | 81% | 503.000 |
| 2 | 05:44:13 | 518.000 | 10160.000 | 0.000 | 0.000 | 25590.000 | 51720.000 | 49210.000 | 80% | 491.500 |
| 3 | 05:45:21 | 538.300 | 10230.000 | 0.000 | 0.000 | 25690.000 | 51650.000 | 48930.000 | 81% | 490.900 |
| x | | 530.300 | 10200.000 | 0.000 | 0.000 | 25630.000 | 51610.000 | 49090.000 | 81% | 495.100 |
| σ | | 10.760 | 35.660 | 0.000 | 0.000 | 50.720 | 141.000 | 144.500 | 0% | 6.840 |
| %RSD | | 2.028 | 0.350 | 0.000 | 0.000 | 0.198 | 0.273 | 0.294 | 0 | 1.381 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:43:05 | 492.500 | 492.300 | -3.848 | 25880.000 | 1006.000 | 25150.000 | 25380.000 | 497.800 | 500.800 |
| 2 | 05:44:13 | 499.100 | 498.700 | -8.367 | 25990.000 | 1009.000 | 25320.000 | 25630.000 | 496.000 | 503.500 |
| 3 | 05:45:21 | 494.800 | 493.700 | -6.573 | 25930.000 | 1010.000 | 25340.000 | 25450.000 | 499.200 | 501.900 |
| x | | 495.400 | 494.900 | -6.263 | 25930.000 | 1008.000 | 25270.000 | 25490.000 | 497.700 | 502.100 |
| σ | | 3.344 | 3.369 | 2.276 | 51.030 | 1.769 | 105.300 | 126.200 | 1.567 | 1.334 |
| %RSD | | 0.675 | 0.681 | 36.340 | 0.197 | 0.176 | 0.417 | 0.495 | 0.315 | 0.266 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:43:05 | 992.200 | 998.700 | 1006.000 | 489.700 | 491.200 | -1.968 | 491.700 | 489.500 | 1.529 |
| 2 | 05:44:13 | 989.800 | 999.300 | 1007.000 | 490.700 | 493.000 | -1.331 | 494.200 | 491.200 | 2.586 |
| 3 | 05:45:21 | 995.600 | 1000.000 | 1004.000 | 491.600 | 494.400 | -1.151 | 495.900 | 492.700 | 0.803 |
| x | | 992.600 | 999.300 | 1006.000 | 490.700 | 492.900 | -1.483 | 493.900 | 491.200 | 1.639 |
| σ | | 2.932 | 0.659 | 1.624 | 0.976 | 1.575 | 0.429 | 2.108 | 1.583 | 0.896 |
| %RSD | | 0.295 | 0.066 | 0.162 | 0.199 | 0.320 | 28.930 | 0.427 | 0.322 | 54.690 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:43:05 | 493.800 | 493.100 | 490.500 | 490.300 | 489.600 | 0.015 | 82% | 488.100 | 501.000 |
| 2 | 05:44:13 | 492.500 | 490.600 | 491.800 | 486.100 | 489.200 | 0.011 | 82% | 483.800 | 495.000 |
| 3 | 05:45:21 | 488.600 | 488.300 | 491.100 | 487.000 | 489.700 | 0.007 | 83% | 492.400 | 501.700 |
| x | | 491.600 | 490.700 | 491.100 | 487.800 | 489.500 | 0.011 | 83% | 488.100 | 499.200 |
| σ | | 2.729 | 2.370 | 0.634 | 2.233 | 0.278 | 0.004 | 0% | 4.320 | 3.684 |
| %RSD | | 0.555 | 0.483 | 0.129 | 0.458 | 0.057 | 36.860 | 0 | 0.885 | 0.738 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:43:05 | 5.092 | 488.300 | 496.000 | 493.400 | 427.100 | 488.800 | 2459.000 | 2455.000 | 88% |
| 2 | 05:44:13 | 4.552 | 483.700 | 494.600 | 488.900 | 424.900 | 492.900 | 2446.000 | 2457.000 | 89% |
| 3 | 05:45:21 | -1.743 | 492.800 | 495.600 | 488.600 | 425.100 | 490.900 | 2473.000 | 2471.000 | 88% |
| x | | 2.634 | 488.300 | 495.400 | 490.300 | 425.700 | 490.900 | 2459.000 | 2461.000 | 89% |
| σ | | 3.800 | 4.521 | 0.733 | 2.706 | 1.179 | 2.095 | 13.400 | 8.905 | 1% |
| %RSD | | 144.300 | 0.926 | 0.148 | 0.552 | 0.277 | 0.427 | 0.545 | 0.362 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:43:05 | 89% | 501.600 | 500.200 | 505.700 | 504.900 | 502.400 | 88% | 512.500 |
| 2 | 05:44:13 | 90% | 495.500 | 493.600 | 494.000 | 495.400 | 495.200 | 90% | 499.800 |
| 3 | 05:45:21 | 89% | 493.500 | 491.400 | 495.200 | 499.000 | 495.800 | 90% | 499.000 |
| x | | 89% | 496.900 | 495.100 | 498.300 | 499.800 | 497.800 | 89% | 503.800 |
| σ | | 0% | 4.228 | 4.557 | 6.442 | 4.813 | 4.002 | 1% | 7.576 |
| %RSD | | 0 | 0.851 | 0.920 | 1.293 | 0.963 | 0.804 | 1 | 1.504 |

**CCB** 05/01/2011 05:49:50 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:50:58 | 77% | 0.113 | 6.306 | 0.000 | 70.540 | 7.567 | 7.749 | 6.896 | 1.412 |
| 2 | 05:52:06 | 75% | 0.122 | 3.089 | 0.000 | 80.130 | 10.570 | 12.170 | 10.930 | 2.021 |
| 3 | 05:53:14 | 78% | 0.035 | 2.892 | 0.000 | 66.050 | 10.550 | 10.930 | 10.370 | 2.041 |
| x | | 77% | 0.090 | 4.096 | 0.000 | 72.240 | 9.563 | 10.280 | 9.396 | 1.825 |
| σ | | 1% | 0.048 | 1.916 | 0.000 | 7.193 | 1.729 | 2.278 | 2.183 | 0.358 |
| %RSD | | 2 | 52.990 | 46.790 | 0.000 | 9.957 | 18.080 | 22.160 | 23.240 | 19.590 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:50:58 | 0.482 | 9.072 | 0.000 | 0.000 | 17.430 | 4.000 | -43.350 | 82% | -0.944 |
| 2 | 05:52:06 | 0.062 | 9.270 | 0.000 | 0.000 | 21.370 | 2.516 | -46.780 | 81% | -0.871 |
| 3 | 05:53:14 | 0.598 | 1.822 | 0.000 | 0.000 | 9.737 | 5.416 | -43.760 | 84% | -0.881 |
| x | | 0.380 | 6.722 | 0.000 | 0.000 | 16.180 | 3.978 | -44.630 | 82% | -0.899 |
| σ | | 0.282 | 4.244 | 0.000 | 0.000 | 5.917 | 1.450 | 1.875 | 2% | 0.040 |
| %RSD | | 74.170 | 63.140 | 0.000 | 0.000 | 36.570 | 36.460 | 4.201 | 2 | 4.404 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:50:58 | 0.286 | 0.040 | -9.207 | 2.261 | 0.156 | -0.832 | -2.879 | 0.053 | -0.015 |
| 2 | 05:52:06 | 0.368 | 0.090 | -8.998 | 6.932 | 0.193 | 0.249 | -0.755 | 0.096 | 0.087 |
| 3 | 05:53:14 | 0.119 | 0.119 | -8.928 | 4.023 | 0.188 | -0.840 | -1.211 | 0.079 | -0.001 |
| x | | 0.258 | 0.083 | -9.044 | 4.406 | 0.179 | -0.474 | -1.615 | 0.076 | 0.024 |
| σ | | 0.127 | 0.040 | 0.145 | 2.359 | 0.020 | 0.627 | 1.118 | 0.021 | 0.056 |
| %RSD | | 49.320 | 48.230 | 1.607 | 53.550 | 11.310 | 132.100 | 69.230 | 28.110 | 234.900 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:50:58 | 0.158 | 0.084 | 0.052 | 0.206 | 0.279 | -0.044 | -0.152 | 0.277 | -1.262 |
| 2 | 05:52:06 | 0.158 | 0.104 | 0.016 | -0.071 | -0.288 | 0.007 | -0.702 | -0.287 | 1.836 |
| 3 | 05:53:14 | 0.158 | 0.108 | -0.188 | 0.293 | 0.660 | -0.073 | -0.121 | 0.657 | -1.374 |
| x | | 0.158 | 0.098 | -0.040 | 0.143 | 0.217 | -0.036 | -0.325 | 0.216 | -0.267 |
| σ | | 0.000 | 0.013 | 0.129 | 0.190 | 0.477 | 0.041 | 0.327 | 0.475 | 1.822 |
| %RSD | | 0.214 | 12.840 | 323.900 | 133.500 | 220.200 | 111.100 | 100.500 | 220.000 | 682.500 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:50:58 | 0.386 | 0.555 | 0.571 | 0.489 | 0.531 | 0.003 | 87% | -0.262 | 0.163 |
| 2 | 05:52:06 | 0.277 | 0.432 | 0.370 | 0.402 | 0.421 | 0.007 | 86% | -0.952 | 0.155 |
| 3 | 05:53:14 | 0.203 | 0.376 | 0.321 | 0.260 | 0.310 | 0.003 | 87% | 0.152 | 0.150 |
| x | | 0.289 | 0.454 | 0.420 | 0.384 | 0.421 | 0.004 | 87% | -0.354 | 0.156 |
| σ | | 0.092 | 0.092 | 0.132 | 0.116 | 0.110 | 0.002 | 1% | 0.558 | 0.007 |
| %RSD | | 31.810 | 20.180 | 31.480 | 30.220 | 26.220 | 56.420 | 1 | 157.700 | 4.259 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:50:58 | 0.210 | -0.267 | 0.154 | 0.051 | 0.300 | 0.445 | 0.296 | 0.409 | 89% |
| 2 | 05:52:06 | 0.479 | -0.958 | 0.159 | 0.030 | 0.250 | 0.376 | 0.365 | 0.520 | 88% |
| 3 | 05:53:14 | -0.073 | 0.146 | 0.132 | 0.082 | 0.212 | 0.296 | 0.467 | 0.540 | 91% |
| x | | 0.205 | -0.360 | 0.148 | 0.054 | 0.254 | 0.373 | 0.376 | 0.490 | 89% |
| σ | | 0.276 | 0.557 | 0.015 | 0.026 | 0.044 | 0.075 | 0.086 | 0.071 | 2% |
| %RSD | | 134.600 | 155.000 | 9.881 | 47.660 | 17.480 | 20.020 | 22.800 | 14.430 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:50:58 | 92% | 0.134 | 0.140 | 0.050 | 0.043 | 0.041 | 93% | 0.083 |
| 2 | 05:52:06 | 89% | 0.110 | 0.124 | 0.064 | 0.071 | 0.067 | 91% | 0.094 |
| 3 | 05:53:14 | 90% | 0.109 | 0.105 | 0.063 | 0.049 | 0.062 | 93% | 0.097 |
| x | | 90% | 0.118 | 0.123 | 0.059 | 0.055 | 0.057 | 92% | 0.091 |
| σ | | 1% | 0.014 | 0.018 | 0.008 | 0.015 | 0.014 | 1% | 0.007 |
| %RSD | | 2 | 12.220 | 14.290 | 13.260 | 26.870 | 24.020 | 1 | 7.774 |

**C1867-01 MF3T55** 05/01/2011 05:57:43 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:58:51 | 87% | -0.054 | 892.100 | 0.000 | 240600.000 | 64090.000 | 64140.000 | 63360.000 | 1.907 |
| 2 | 05:59:59 | 87% | -0.006 | 859.700 | 0.000 | 243000.000 | 64930.000 | 64020.000 | 63900.000 | 3.175 |
| 3 | 06:01:07 | 88% | -0.075 | 878.800 | 0.000 | 240400.000 | 64530.000 | 63950.000 | 62880.000 | 2.944 |
| x | | 87% | -0.045 | 876.900 | 0.000 | 241300.000 | 64520.000 | 64040.000 | 63380.000 | 2.675 |
| σ | | 1% | 0.036 | 16.310 | 0.000 | 1443.000 | 422.600 | 96.930 | 511.500 | 0.675 |
| %RSD | | 1 | 79.110 | 1.860 | 0.000 | 0.598 | 0.655 | 0.151 | 0.807 | 25.240 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:58:51 | 21320.000 | -2.858 | 0.000 | 0.000 | 7774.000 | 261700.000 | 272000.000 | 90% | 0.740 |
| 2 | 05:59:59 | 21440.000 | -5.510 | 0.000 | 0.000 | 7851.000 | 261500.000 | 271300.000 | 90% | 0.636 |
| 3 | 06:01:07 | 21180.000 | -8.403 | 0.000 | 0.000 | 7614.000 | 254700.000 | 267800.000 | 92% | 0.516 |
| x | | 21310.000 | -5.590 | 0.000 | 0.000 | 7747.000 | 259300.000 | 270400.000 | 91% | 0.630 |
| σ | | 132.700 | 2.773 | 0.000 | 0.000 | 120.600 | 4006.000 | 2243.000 | 1% | 0.112 |
| %RSD | | 0.623 | 49.610 | 0.000 | 0.000 | 1.557 | 1.545 | 0.830 | 1 | 17.800 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:58:51 | 45.290 | 15.120 | 97.320 | -0.213 | 0.094 | 8.286 | 694.300 | 0.332 | 2.966 |
| 2 | 05:59:59 | 44.850 | 14.860 | 110.400 | 0.598 | 0.116 | 8.997 | 681.400 | 0.477 | 3.282 |
| 3 | 06:01:07 | 43.960 | 14.290 | 115.400 | -1.458 | 0.023 | 6.229 | 690.600 | 0.285 | 2.951 |
| x | | 44.700 | 14.760 | 107.700 | -0.358 | 0.078 | 7.838 | 688.800 | 0.365 | 3.066 |
| σ | | 0.674 | 0.428 | 9.326 | 1.035 | 0.048 | 1.437 | 6.644 | 0.100 | 0.187 |
| %RSD | | 1.507 | 2.900 | 8.660 | 289.400 | 62.390 | 18.340 | 0.965 | 27.480 | 6.085 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:58:51 | 2.419 | 2.660 | 2.044 | 8.570 | 21.410 | 0.577 | 16.670 | 21.630 | -0.154 |
| 2 | 05:59:59 | 2.304 | 2.579 | 2.043 | 9.227 | 21.700 | 0.693 | 15.540 | 21.940 | 1.836 |
| 3 | 06:01:07 | 2.553 | 2.398 | 1.965 | 7.758 | 20.820 | 0.876 | 15.080 | 21.070 | 0.375 |
| x | | 2.425 | 2.546 | 2.017 | 8.519 | 21.310 | 0.715 | 15.760 | 21.550 | 0.686 |
| σ | | 0.125 | 0.134 | 0.045 | 0.736 | 0.449 | 0.151 | 0.814 | 0.443 | 1.030 |
| %RSD | | 5.142 | 5.266 | 2.245 | 8.636 | 2.106 | 21.070 | 5.165 | 2.056 | 150.300 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:58:51 | 4.858 | 1.375 | 1.573 | 1.550 | 1.407 | 0.015 | 78% | 0.890 | 0.120 |
| 2 | 05:59:59 | 5.801 | 1.420 | 1.429 | 1.705 | 1.378 | 0.003 | 78% | 0.966 | 0.097 |
| 3 | 06:01:07 | 3.300 | 1.483 | 1.383 | 1.501 | 1.483 | 0.003 | 79% | 0.124 | 0.079 |
| x | | 4.653 | 1.426 | 1.462 | 1.585 | 1.423 | 0.007 | 78% | 0.660 | 0.098 |
| σ | | 1.263 | 0.054 | 0.099 | 0.106 | 0.054 | 0.007 | 0% | 0.466 | 0.021 |
| %RSD | | 27.140 | 3.812 | 6.762 | 6.715 | 3.800 | 100.100 | 0 | 70.520 | 20.890 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:58:51 | -0.222 | 0.871 | 0.141 | 0.105 | 0.215 | 0.167 | 26.360 | 26.620 | 87% |
| 2 | 05:59:59 | -0.385 | 0.945 | 0.137 | 0.100 | 0.152 | 0.228 | 26.660 | 27.850 | 88% |
| 3 | 06:01:07 | -0.045 | 0.105 | 0.074 | 0.032 | 0.160 | 0.184 | 27.720 | 26.660 | 88% |
| x | | -0.218 | 0.640 | 0.117 | 0.079 | 0.176 | 0.193 | 26.910 | 27.040 | 88% |
| σ | | 0.170 | 0.465 | 0.038 | 0.041 | 0.034 | 0.031 | 0.715 | 0.701 | 1% |
| %RSD | | 78.160 | 72.650 | 32.030 | 51.540 | 19.530 | 16.200 | 2.656 | 2.592 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 05:58:51 | 88% | 0.182 | 0.141 | 0.756 | 0.699 | 0.699 | 84% | 16.740 |
| 2 | 05:59:59 | 88% | 0.085 | 0.106 | 0.534 | 0.493 | 0.523 | 85% | 16.700 |
| 3 | 06:01:07 | 89% | 0.038 | 0.049 | 0.433 | 0.380 | 0.401 | 85% | 16.510 |
| x | | 88% | 0.102 | 0.099 | 0.575 | 0.524 | 0.541 | 85% | 16.650 |
| σ | | 1% | 0.073 | 0.046 | 0.165 | 0.161 | 0.150 | 1% | 0.123 |
| %RSD | | 1 | 72.220 | 46.770 | 28.770 | 30.800 | 27.760 | 1 | 0.739 |

**C1867-02 MF3T57** 05/01/2011 06:05:35 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:06:43 | 87% | -0.084 | 664.400 | 0.000 | 190500.000 | 56520.000 | 55770.000 | 55140.000 | 2.954 |
| 2 | 06:07:51 | 89% | -0.047 | 678.800 | 0.000 | 188000.000 | 55810.000 | 55110.000 | 54400.000 | 2.707 |
| 3 | 06:09:00 | 88% | -0.065 | 667.200 | 0.000 | 188900.000 | 55560.000 | 54530.000 | 54460.000 | 2.612 |
| x | | 88% | -0.066 | 670.100 | 0.000 | 189100.000 | 55960.000 | 55140.000 | 54670.000 | 2.758 |
| σ | | 1% | 0.018 | 7.643 | 0.000 | 1307.000 | 499.600 | 623.800 | 408.300 | 0.177 |
| %RSD | | 1 | 27.930 | 1.141 | 0.000 | 0.691 | 0.893 | 1.131 | 0.747 | 6.406 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:06:43 | 19440.000 | -7.760 | 0.000 | 0.000 | 7408.000 | 248000.000 | 274500.000 | 94% | 0.236 |
| 2 | 06:07:51 | 19520.000 | -9.009 | 0.000 | 0.000 | 7383.000 | 267000.000 | 281300.000 | 93% | 0.709 |
| 3 | 06:09:00 | 19440.000 | -7.007 | 0.000 | 0.000 | 7390.000 | 267900.000 | 276400.000 | 94% | 1.188 |
| x | | 19470.000 | -7.926 | 0.000 | 0.000 | 7393.000 | 261000.000 | 277400.000 | 94% | 0.711 |
| σ | | 45.210 | 1.011 | 0.000 | 0.000 | 12.690 | 11240.000 | 3549.000 | 1% | 0.476 |
| %RSD | | 0.232 | 12.760 | 0.000 | 0.000 | 0.172 | 4.308 | 1.279 | 1 | 66.990 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:06:43 | 24.800 | 1.539 | 128.100 | 25.990 | 1.091 | 36.800 | 727.300 | -0.068 | 2.272 |
| 2 | 06:07:51 | 27.130 | 1.670 | 137.500 | 26.560 | 1.043 | 37.580 | 734.300 | -0.066 | 2.163 |
| 3 | 06:09:00 | 26.030 | 1.703 | 142.100 | 23.040 | 1.025 | 36.230 | 716.600 | -0.127 | 2.336 |
| x | | 25.990 | 1.637 | 135.900 | 25.200 | 1.053 | 36.870 | 726.000 | -0.087 | 2.257 |
| σ | | 1.164 | 0.087 | 7.125 | 1.885 | 0.034 | 0.677 | 8.911 | 0.034 | 0.087 |
| %RSD | | 4.480 | 5.284 | 5.244 | 7.482 | 3.251 | 1.836 | 1.227 | 39.480 | 3.864 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:06:43 | 1.187 | 1.230 | 2.473 | 6.074 | 21.330 | 0.764 | 13.650 | 21.550 | -0.043 |
| 2 | 06:07:51 | 1.129 | 1.159 | 2.519 | 5.539 | 20.080 | 0.975 | 16.170 | 20.290 | 2.363 |
| 3 | 06:09:00 | 1.037 | 1.259 | 2.853 | 5.291 | 22.040 | 1.020 | 14.560 | 22.280 | 1.831 |
| x | | 1.118 | 1.216 | 2.615 | 5.635 | 21.150 | 0.920 | 14.800 | 21.370 | 1.384 |
| σ | | 0.076 | 0.051 | 0.208 | 0.400 | 0.996 | 0.136 | 1.278 | 1.008 | 1.264 |
| %RSD | | 6.764 | 4.230 | 7.944 | 7.094 | 4.711 | 14.830 | 8.637 | 4.718 | 91.320 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:06:43 | 2.664 | 1.078 | 0.962 | 1.064 | 1.143 | 0.007 | 82% | 1.014 | 0.071 |
| 2 | 06:07:51 | 2.361 | 1.241 | 1.100 | 1.156 | 1.200 | 0.003 | 81% | 0.215 | 0.037 |
| 3 | 06:09:00 | 3.805 | 1.035 | 1.117 | 1.243 | 1.048 | 0.007 | 82% | -0.553 | 0.032 |
| x | | 2.943 | 1.118 | 1.059 | 1.155 | 1.131 | 0.005 | 82% | 0.226 | 0.047 |
| σ | | 0.761 | 0.109 | 0.085 | 0.089 | 0.077 | 0.002 | 1% | 0.784 | 0.021 |
| %RSD | | 25.860 | 9.718 | 8.025 | 7.734 | 6.784 | 40.920 | 1 | 347.200 | 45.200 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:06:43 | -0.597 | 0.997 | 0.068 | 0.068 | 0.049 | 0.100 | 59.680 | 59.550 | 90% |
| 2 | 06:07:51 | -0.039 | 0.198 | 0.039 | -0.000 | 0.037 | 0.047 | 59.850 | 60.180 | 89% |
| 3 | 06:09:00 | 0.497 | -0.568 | 0.022 | -0.089 | -0.023 | 0.057 | 58.550 | 59.330 | 90% |
| x | | -0.046 | 0.209 | 0.043 | -0.007 | 0.021 | 0.068 | 59.360 | 59.690 | 90% |
| σ | | 0.547 | 0.783 | 0.024 | 0.079 | 0.038 | 0.028 | 0.706 | 0.443 | 0% |
| %RSD | | 1181.000 | 374.500 | 54.860 | 1128.000 | 181.900 | 41.090 | 1.190 | 0.742 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:06:43 | 90% | 0.027 | 0.035 | 0.249 | 0.241 | 0.272 | 87% | 10.360 |
| 2 | 06:07:51 | 90% | 0.009 | 0.008 | 0.240 | 0.222 | 0.212 | 87% | 10.390 |
| 3 | 06:09:00 | 91% | -0.007 | -0.002 | 0.230 | 0.186 | 0.201 | 87% | 10.300 |
| x | | 90% | 0.010 | 0.014 | 0.240 | 0.216 | 0.228 | 87% | 10.350 |
| σ | | 1% | 0.017 | 0.019 | 0.009 | 0.028 | 0.038 | 0% | 0.050 |
| %RSD | | 1 | 180.800 | 141.100 | 3.883 | 12.800 | 16.760 | 1 | 0.480 |

**C1867-03 MF3T59** 05/01/2011 06:13:29 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:14:37 | 89% | -0.086 | 760.800 | 0.000 | 215100.000 | 62440.000 | 61370.000 | 60790.000 | 0.261 |
| 2 | 06:15:45 | 87% | -0.026 | 763.800 | 0.000 | 212100.000 | 62210.000 | 60890.000 | 60510.000 | 0.538 |
| 3 | 06:16:53 | 84% | -0.122 | 817.000 | 0.000 | 225700.000 | 66450.000 | 64820.000 | 64030.000 | 2.444 |
| x | | 87% | -0.078 | 780.500 | 0.000 | 217600.000 | 63700.000 | 62360.000 | 61770.000 | 1.081 |
| σ | | 3% | 0.048 | 31.620 | 0.000 | 7154.000 | 2387.000 | 2147.000 | 1956.000 | 1.189 |
| %RSD | | 3 | 62.230 | 4.051 | 0.000 | 3.287 | 3.747 | 3.444 | 3.167 | 109.900 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:14:37 | 19930.000 | -8.013 | 0.000 | 0.000 | 8177.000 | 289300.000 | 300000.000 | 94% | 0.539 |
| 2 | 06:15:45 | 20050.000 | -3.362 | 0.000 | 0.000 | 7981.000 | 280500.000 | 294400.000 | 95% | 0.529 |
| 3 | 06:16:53 | 21270.000 | -4.716 | 0.000 | 0.000 | 8466.000 | 297200.000 | 309300.000 | 91% | 0.225 |
| x | | 20420.000 | -5.364 | 0.000 | 0.000 | 8208.000 | 289000.000 | 301300.000 | 93% | 0.431 |
| σ | | 741.800 | 2.392 | 0.000 | 0.000 | 243.900 | 8353.000 | 7529.000 | 2% | 0.179 |
| %RSD | | 3.633 | 44.590 | 0.000 | 0.000 | 2.971 | 2.890 | 2.499 | 2 | 41.490 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:14:37 | 30.000 | 2.764 | 138.900 | -6.279 | -0.020 | 3.107 | 744.100 | -0.049 | 2.956 |
| 2 | 06:15:45 | 29.410 | 2.774 | 147.600 | -5.609 | -0.055 | 2.594 | 702.500 | -0.036 | 3.131 |
| 3 | 06:16:53 | 30.760 | 2.892 | 161.800 | -5.939 | -0.029 | 3.965 | 728.200 | -0.004 | 3.048 |
| x | | 30.050 | 2.810 | 149.400 | -5.943 | -0.035 | 3.222 | 724.900 | -0.029 | 3.045 |
| σ | | 0.680 | 0.071 | 11.550 | 0.335 | 0.018 | 0.693 | 21.020 | 0.023 | 0.088 |
| %RSD | | 2.262 | 2.538 | 7.727 | 5.636 | 52.590 | 21.490 | 2.899 | 78.710 | 2.880 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:14:37 | 3.677 | 3.986 | 1.919 | 7.436 | 21.210 | 0.958 | 15.500 | 21.470 | -2.151 |
| 2 | 06:15:45 | 3.569 | 4.089 | 1.868 | 7.531 | 23.070 | 0.878 | 15.690 | 23.350 | 1.024 |
| 3 | 06:16:53 | 3.770 | 4.239 | 2.131 | 7.778 | 21.850 | 0.986 | 17.670 | 22.100 | 2.189 |
| x | | 3.672 | 4.105 | 1.973 | 7.582 | 22.040 | 0.941 | 16.290 | 22.310 | 0.354 |
| σ | | 0.101 | 0.127 | 0.140 | 0.177 | 0.947 | 0.056 | 1.205 | 0.959 | 2.246 |
| %RSD | | 2.738 | 3.105 | 7.077 | 2.330 | 4.296 | 5.949 | 7.399 | 4.298 | 634.400 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:14:37 | 5.228 | 1.048 | 0.991 | 1.176 | 1.023 | 0.003 | 80% | -0.051 | 0.049 |
| 2 | 06:15:45 | 6.537 | 1.108 | 1.101 | 1.114 | 1.128 | 0.011 | 81% | -0.632 | 0.030 |
| 3 | 06:16:53 | 7.471 | 1.204 | 1.078 | 1.158 | 1.055 | 0.007 | 78% | -0.392 | 0.011 |
| x | | 6.412 | 1.120 | 1.057 | 1.149 | 1.069 | 0.007 | 80% | -0.359 | 0.030 |
| σ | | 1.127 | 0.078 | 0.058 | 0.032 | 0.054 | 0.004 | 1% | 0.292 | 0.019 |
| %RSD | | 17.570 | 6.987 | 5.527 | 2.760 | 5.029 | 56.910 | 2 | 81.400 | 64.010 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:14:37 | 0.288 | -0.071 | 0.019 | -0.073 | 0.008 | 0.029 | 30.650 | 31.430 | 90% |
| 2 | 06:15:45 | 0.369 | -0.650 | 0.020 | -0.103 | 0.037 | 0.051 | 30.240 | 31.170 | 90% |
| 3 | 06:16:53 | 0.178 | -0.411 | 0.003 | -0.059 | -0.007 | 0.021 | 33.600 | 32.350 | 87% |
| x | | 0.278 | -0.377 | 0.014 | -0.078 | 0.013 | 0.034 | 31.490 | 31.650 | 89% |
| σ | | 0.096 | 0.291 | 0.010 | 0.023 | 0.022 | 0.016 | 1.832 | 0.620 | 2% |
| %RSD | | 34.420 | 77.170 | 70.440 | 28.920 | 176.600 | 46.350 | 5.816 | 1.958 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:14:37 | 91% | -0.009 | -0.005 | 0.603 | 0.542 | 0.587 | 87% | 14.810 |
| 2 | 06:15:45 | 90% | -0.022 | -0.013 | 0.661 | 0.547 | 0.595 | 88% | 14.810 |
| 3 | 06:16:53 | 88% | -0.031 | -0.030 | 0.624 | 0.545 | 0.586 | 85% | 15.690 |
| x | | 90% | -0.021 | -0.016 | 0.630 | 0.545 | 0.589 | 87% | 15.110 |
| σ | | 1% | 0.011 | 0.013 | 0.029 | 0.002 | 0.005 | 2% | 0.509 |
| %RSD | | 2 | 53.380 | 79.540 | 4.674 | 0.411 | 0.857 | 2 | 3.366 |

**C1867-04 MF3T74** 05/01/2011 06:21:22 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:22:30 | 84% | -0.102 | 1422.000 | 0.000 | 521900.000 | 123200.000 | 121900.000 | 120000.000 | 3.363 |
| 2 | 06:23:38 | 88% | -0.056 | 1416.000 | 0.000 | 521400.000 | 122400.000 | 121200.000 | 121100.000 | 3.461 |
| 3 | 06:24:46 | 86% | -0.093 | 1413.000 | 0.000 | 520600.000 | 122000.000 | 120300.000 | 118100.000 | 3.476 |
| x | | 86% | -0.084 | 1417.000 | 0.000 | 521300.000 | 122600.000 | 121100.000 | 119800.000 | 3.433 |
| σ | | 2% | 0.025 | 4.713 | 0.000 | 632.700 | 620.200 | 808.000 | 1532.000 | 0.061 |
| %RSD | | 2 | 29.450 | 0.333 | 0.000 | 0.121 | 0.506 | 0.667 | 1.279 | 1.785 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:22:30 | 22240.000 | -12.070 | 0.000 | 0.000 | 9321.000 | 449500.000 | 463800.000 | 93% | 0.735 |
| 2 | 06:23:38 | 22480.000 | -5.147 | 0.000 | 0.000 | 9451.000 | 463200.000 | 481900.000 | 92% | 0.801 |
| 3 | 06:24:46 | 22220.000 | -14.210 | 0.000 | 0.000 | 9169.000 | 446600.000 | 470700.000 | 94% | 0.728 |
| x | | 22310.000 | -10.480 | 0.000 | 0.000 | 9314.000 | 453100.000 | 472100.000 | 93% | 0.755 |
| σ | | 145.300 | 4.739 | 0.000 | 0.000 | 141.100 | 8849.000 | 9153.000 | 1% | 0.040 |
| %RSD | | 0.651 | 45.230 | 0.000 | 0.000 | 1.515 | 1.953 | 1.939 | 1 | 5.345 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:22:30 | 37.020 | 0.636 | 136.100 | -1.428 | 0.069 | 11.270 | 1139.000 | 0.036 | 5.219 |
| 2 | 06:23:38 | 36.760 | 0.735 | 151.100 | -1.299 | 0.105 | 12.500 | 1164.000 | 0.110 | 5.035 |
| 3 | 06:24:46 | 36.140 | 0.663 | 152.800 | -3.228 | 0.141 | 10.880 | 1169.000 | 0.131 | 4.937 |
| x | | 36.640 | 0.678 | 146.700 | -1.985 | 0.105 | 11.550 | 1157.000 | 0.092 | 5.063 |
| σ | | 0.448 | 0.051 | 9.177 | 1.079 | 0.036 | 0.841 | 16.230 | 0.050 | 0.143 |
| %RSD | | 1.223 | 7.569 | 6.257 | 54.350 | 34.040 | 7.283 | 1.402 | 53.880 | 2.829 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:22:30 | 7.494 | 7.382 | 11.360 | 9.985 | 49.670 | 0.842 | 40.000 | 50.440 | -0.469 |
| 2 | 06:23:38 | 7.396 | 8.030 | 11.460 | 11.190 | 51.710 | 0.708 | 40.650 | 52.370 | -0.157 |
| 3 | 06:24:46 | 7.149 | 7.980 | 10.540 | 9.921 | 52.280 | 0.935 | 38.260 | 53.040 | -0.594 |
| x | | 7.346 | 7.797 | 11.120 | 10.370 | 51.220 | 0.828 | 39.640 | 51.950 | -0.407 |
| σ | | 0.178 | 0.360 | 0.507 | 0.716 | 1.369 | 0.114 | 1.236 | 1.347 | 0.225 |
| %RSD | | 2.422 | 4.619 | 4.555 | 6.906 | 2.673 | 13.770 | 3.117 | 2.593 | 55.360 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:22:30 | 4.835 | 0.978 | 0.876 | 1.174 | 0.888 | 0.003 | 77% | -1.065 | 0.052 |
| 2 | 06:23:38 | 4.133 | 1.190 | 0.735 | 1.080 | 0.929 | 0.015 | 78% | -0.458 | 0.061 |
| 3 | 06:24:46 | 6.091 | 0.987 | 0.884 | 1.222 | 0.844 | 0.007 | 78% | 0.019 | 0.059 |
| x | | 5.020 | 1.052 | 0.832 | 1.158 | 0.887 | 0.009 | 77% | -0.501 | 0.057 |
| σ | | 0.992 | 0.120 | 0.084 | 0.072 | 0.042 | 0.006 | 1% | 0.543 | 0.005 |
| %RSD | | 19.760 | 11.410 | 10.040 | 6.239 | 4.785 | 73.570 | 1 | 108.300 | 7.901 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:22:30 | 0.550 | -1.087 | 0.080 | -0.077 | 0.038 | 0.029 | 52.250 | 53.480 | 88% |
| 2 | 06:23:38 | 0.216 | -0.480 | 0.054 | -0.086 | 0.070 | 0.003 | 51.960 | 52.770 | 89% |
| 3 | 06:24:46 | 0.015 | -0.004 | 0.053 | -0.034 | 0.067 | 0.020 | 53.290 | 52.460 | 89% |
| x | | 0.261 | -0.524 | 0.062 | -0.066 | 0.058 | 0.018 | 52.500 | 52.900 | 89% |
| σ | | 0.270 | 0.543 | 0.015 | 0.028 | 0.017 | 0.013 | 0.699 | 0.525 | 0% |
| %RSD | | 103.700 | 103.600 | 24.750 | 42.350 | 30.070 | 75.070 | 1.331 | 0.992 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:22:30 | 89% | -0.020 | -0.020 | 1.346 | 1.205 | 1.293 | 84% | 14.790 |
| 2 | 06:23:38 | 90% | -0.026 | -0.019 | 1.332 | 1.210 | 1.273 | 85% | 15.000 |
| 3 | 06:24:46 | 89% | -0.037 | -0.028 | 1.305 | 1.189 | 1.224 | 84% | 15.170 |
| x | | 89% | -0.028 | -0.022 | 1.328 | 1.201 | 1.263 | 84% | 14.990 |
| σ | | 0% | 0.008 | 0.005 | 0.021 | 0.011 | 0.035 | 0% | 0.192 |
| %RSD | | 0 | 30.040 | 22.130 | 1.549 | 0.886 | 2.797 | 1 | 1.279 |

**C1867-05 MF3T75** 05/01/2011 06:29:16 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:30:25 | 98% | -0.136 | 668.000 | 0.000 | 210700.000 | 99610.000 | 98580.000 | 98370.000 | 2.743 |
| 2 | 06:31:33 | 99% | -0.068 | 628.200 | 0.000 | 201500.000 | 95220.000 | 93580.000 | 93410.000 | 2.774 |
| 3 | 06:32:41 | 99% | -0.111 | 644.100 | 0.000 | 200900.000 | 96080.000 | 95200.000 | 94900.000 | 1.616 |
| x | | 99% | -0.105 | 646.800 | 0.000 | 204300.000 | 96970.000 | 95790.000 | 95560.000 | 2.378 |
| σ | | 1% | 0.035 | 20.030 | 0.000 | 5507.000 | 2328.000 | 2555.000 | 2546.000 | 0.660 |
| %RSD | | 1 | 33.090 | 3.097 | 0.000 | 2.695 | 2.401 | 2.668 | 2.664 | 27.740 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:30:25 | 19930.000 | -9.145 | 0.000 | 0.000 | 10080.000 | 318900.000 | 332100.000 | 94% | 0.597 |
| 2 | 06:31:33 | 19200.000 | -10.440 | 0.000 | 0.000 | 9514.000 | 297600.000 | 311000.000 | 98% | 0.929 |
| 3 | 06:32:41 | 19430.000 | -4.718 | 0.000 | 0.000 | 9659.000 | 302300.000 | 317300.000 | 97% | 0.607 |
| x | | 19520.000 | -8.103 | 0.000 | 0.000 | 9752.000 | 306300.000 | 320200.000 | 96% | 0.711 |
| σ | | 375.800 | 3.002 | 0.000 | 0.000 | 295.500 | 11180.000 | 10840.000 | 2% | 0.189 |
| %RSD | | 1.925 | 37.050 | 0.000 | 0.000 | 3.030 | 3.651 | 3.385 | 2 | 26.610 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:30:25 | 37.290 | 0.745 | 161.000 | 5.033 | 0.074 | 15.030 | 861.700 | -0.242 | 2.816 |
| 2 | 06:31:33 | 37.930 | 0.831 | 159.900 | 1.829 | 0.079 | 12.440 | 806.500 | -0.269 | 2.608 |
| 3 | 06:32:41 | 35.370 | 0.761 | 172.600 | 2.624 | 0.089 | 13.750 | 826.300 | -0.224 | 2.572 |
| x | | 36.870 | 0.779 | 164.500 | 3.162 | 0.080 | 13.740 | 831.500 | -0.245 | 2.665 |
| σ | | 1.333 | 0.046 | 7.075 | 1.668 | 0.008 | 1.296 | 27.940 | 0.023 | 0.132 |
| %RSD | | 3.615 | 5.875 | 4.301 | 52.760 | 9.452 | 9.434 | 3.360 | 9.240 | 4.956 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:30:25 | 1.526 | 1.664 | 1.232 | 9.359 | 24.560 | 0.925 | 18.670 | 24.870 | 2.755 |
| 2 | 06:31:33 | 1.514 | 1.445 | 1.361 | 8.191 | 23.850 | 1.006 | 17.040 | 24.160 | 1.558 |
| 3 | 06:32:41 | 1.416 | 1.695 | 1.283 | 7.961 | 25.480 | 1.131 | 17.510 | 25.780 | 1.598 |
| x | | 1.485 | 1.601 | 1.292 | 8.504 | 24.630 | 1.021 | 17.740 | 24.930 | 1.970 |
| σ | | 0.061 | 0.136 | 0.065 | 0.749 | 0.820 | 0.104 | 0.838 | 0.813 | 0.680 |
| %RSD | | 4.080 | 8.493 | 5.033 | 8.811 | 3.329 | 10.150 | 4.722 | 3.260 | 34.500 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:30:25 | 3.148 | 1.254 | 1.042 | 1.250 | 1.104 | -0.001 | 80% | 0.356 | 0.021 |
| 2 | 06:31:33 | 3.269 | 1.139 | 1.019 | 1.207 | 1.139 | 0.003 | 83% | -1.294 | 0.035 |
| 3 | 06:32:41 | 4.314 | 1.214 | 0.995 | 1.353 | 1.171 | 0.007 | 83% | 0.073 | 0.010 |
| x | | 3.577 | 1.202 | 1.019 | 1.270 | 1.138 | 0.003 | 82% | -0.288 | 0.022 |
| σ | | 0.641 | 0.059 | 0.024 | 0.075 | 0.033 | 0.004 | 2% | 0.883 | 0.013 |
| %RSD | | 17.920 | 4.869 | 2.322 | 5.887 | 2.932 | 139.300 | 2 | 306.300 | 57.540 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:30:25 | -0.173 | 0.336 | 0.028 | -0.036 | 0.036 | 0.016 | 49.670 | 48.790 | 90% |
| 2 | 06:31:33 | 0.789 | -1.313 | 0.021 | -0.158 | -0.000 | 0.016 | 47.120 | 46.450 | 93% |
| 3 | 06:32:41 | -0.080 | 0.058 | -0.003 | -0.068 | -0.006 | 0.004 | 47.360 | 47.220 | 91% |
| x | | 0.179 | -0.306 | 0.016 | -0.087 | 0.010 | 0.012 | 48.050 | 47.490 | 91% |
| σ | | 0.531 | 0.882 | 0.016 | 0.063 | 0.023 | 0.007 | 1.411 | 1.192 | 2% |
| %RSD | | 297.200 | 288.000 | 105.400 | 72.150 | 228.900 | 56.740 | 2.936 | 2.511 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:30:25 | 90% | -0.049 | -0.035 | 0.352 | 0.299 | 0.305 | 86% | 27.010 |
| 2 | 06:31:33 | 93% | -0.046 | -0.033 | 0.298 | 0.268 | 0.284 | 88% | 25.900 |
| 3 | 06:32:41 | 93% | -0.047 | -0.041 | 0.276 | 0.246 | 0.250 | 89% | 25.500 |
| x | | 92% | -0.048 | -0.036 | 0.309 | 0.271 | 0.280 | 88% | 26.140 |
| σ | | 2% | 0.002 | 0.004 | 0.039 | 0.026 | 0.028 | 1% | 0.784 |
| %RSD | | 2 | 3.382 | 11.390 | 12.680 | 9.768 | 9.862 | 1 | 3.000 |

**C1867-01X25 MF3T55** 05/01/2011 06:37:11 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:38:19 | 92% | -0.107 | 66.980 | 0.000 | 11250.000 | 3034.000 | 2921.000 | 2927.000 | -0.193 |
| 2 | 06:39:27 | 95% | -0.072 | 57.130 | 0.000 | 11290.000 | 3060.000 | 2954.000 | 2932.000 | -0.092 |
| 3 | 06:40:35 | 93% | -0.135 | 57.680 | 0.000 | 11420.000 | 3100.000 | 3009.000 | 3013.000 | 0.113 |
| x | | 93% | -0.105 | 60.600 | 0.000 | 11320.000 | 3065.000 | 2961.000 | 2957.000 | -0.057 |
| σ | | 1% | 0.031 | 5.536 | 0.000 | 93.720 | 33.290 | 44.390 | 48.570 | 0.156 |
| %RSD | | 1 | 29.970 | 9.136 | 0.000 | 0.828 | 1.086 | 1.499 | 1.643 | 272.100 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:38:19 | 989.000 | 0.326 | 0.000 | 0.000 | 364.000 | 10910.000 | 11710.000 | 98% | -0.742 |
| 2 | 06:39:27 | 976.800 | 0.174 | 0.000 | 0.000 | 364.200 | 11340.000 | 11770.000 | 98% | -1.028 |
| 3 | 06:40:35 | 1001.000 | 0.403 | 0.000 | 0.000 | 372.700 | 11270.000 | 12010.000 | 97% | -0.796 |
| x | | 988.900 | 0.301 | 0.000 | 0.000 | 367.000 | 11180.000 | 11830.000 | 98% | -0.855 |
| σ | | 11.940 | 0.116 | 0.000 | 0.000 | 4.949 | 232.200 | 157.900 | 0% | 0.152 |
| %RSD | | 1.207 | 38.660 | 0.000 | 0.000 | 1.349 | 2.078 | 1.335 | 0 | 17.780 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:38:19 | 1.334 | 0.675 | 32.500 | 1.454 | -0.065 | 0.803 | 19.470 | -0.038 | 0.027 |
| 2 | 06:39:27 | 0.682 | 0.730 | 32.560 | -0.137 | -0.028 | 0.725 | 24.850 | -0.035 | -0.017 |
| 3 | 06:40:35 | 1.907 | 0.788 | 28.830 | 2.572 | -0.059 | 1.666 | 26.500 | -0.038 | 0.120 |
| x | | 1.307 | 0.731 | 31.300 | 1.296 | -0.050 | 1.065 | 23.610 | -0.037 | 0.043 |
| σ | | 0.613 | 0.057 | 2.141 | 1.361 | 0.020 | 0.522 | 3.677 | 0.002 | 0.070 |
| %RSD | | 46.870 | 7.773 | 6.840 | 105.000 | 38.970 | 49.020 | 15.580 | 5.198 | 161.700 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:38:19 | -0.044 | -0.027 | -0.094 | 0.306 | 0.461 | 0.174 | 0.380 | 0.460 | 2.365 |
| 2 | 06:39:27 | -0.070 | -0.100 | -0.045 | 0.233 | 0.650 | 0.197 | -0.006 | 0.649 | -1.243 |
| 3 | 06:40:35 | -0.066 | -0.037 | -0.146 | 0.434 | 0.842 | 0.137 | 0.526 | 0.841 | 1.074 |
| x | | -0.060 | -0.055 | -0.095 | 0.325 | 0.651 | 0.169 | 0.300 | 0.650 | 0.732 |
| σ | | 0.014 | 0.040 | 0.051 | 0.102 | 0.191 | 0.030 | 0.275 | 0.190 | 1.828 |
| %RSD | | 23.200 | 72.420 | 53.230 | 31.390 | 29.270 | 17.740 | 91.680 | 29.270 | 249.800 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:38:19 | -0.049 | -0.008 | 0.001 | -0.011 | -0.001 | 0.006 | 98% | 0.411 | -0.017 |
| 2 | 06:39:27 | -0.039 | 0.029 | 0.001 | 0.034 | 0.042 | -0.001 | 98% | -0.289 | -0.024 |
| 3 | 06:40:35 | -0.039 | 0.011 | 0.031 | -0.003 | 0.005 | 0.002 | 97% | -0.785 | -0.023 |
| x | | -0.043 | 0.011 | 0.011 | 0.007 | 0.015 | 0.002 | 98% | -0.221 | -0.021 |
| σ | | 0.006 | 0.019 | 0.017 | 0.024 | 0.023 | 0.003 | 0% | 0.601 | 0.004 |
| %RSD | | 13.830 | 176.500 | 154.700 | 344.700 | 149.100 | 148.600 | 0 | 271.800 | 16.400 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:38:19 | -0.225 | 0.410 | -0.019 | -0.045 | -0.060 | -0.058 | 0.843 | 0.946 | 100% |
| 2 | 06:39:27 | 0.162 | -0.293 | -0.016 | -0.088 | -0.050 | -0.054 | 0.978 | 0.952 | 99% |
| 3 | 06:40:35 | 0.386 | -0.789 | -0.020 | -0.119 | -0.075 | -0.057 | 0.728 | 0.910 | 99% |
| x | | 0.108 | -0.224 | -0.018 | -0.084 | -0.062 | -0.056 | 0.849 | 0.936 | 99% |
| σ | | 0.309 | 0.602 | 0.002 | 0.037 | 0.013 | 0.002 | 0.125 | 0.022 | 1% |
| %RSD | | 286.700 | 268.900 | 13.010 | 44.430 | 20.280 | 4.297 | 14.740 | 2.402 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:38:19 | 99% | -0.051 | -0.047 | -0.052 | -0.038 | -0.048 | 100% | 0.588 |
| 2 | 06:39:27 | 101% | -0.052 | -0.046 | -0.047 | -0.049 | -0.047 | 100% | 0.556 |
| 3 | 06:40:35 | 98% | -0.049 | -0.048 | -0.061 | -0.043 | -0.047 | 99% | 0.568 |
| x | | 99% | -0.051 | -0.047 | -0.053 | -0.043 | -0.047 | 100% | 0.571 |
| σ | | 2% | 0.002 | 0.001 | 0.007 | 0.006 | 0.001 | 1% | 0.016 |
| %RSD | | 2 | 3.257 | 1.949 | 13.340 | 13.350 | 1.568 | 1 | 2.816 |

**C1867-02X25 MF3T57** 05/01/2011 06:45:06 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:46:14 | 92% | -0.107 | 40.540 | 0.000 | 8808.000 | 2643.000 | 2540.000 | 2552.000 | 0.779 |
| 2 | 06:47:22 | 90% | -0.125 | 42.190 | 0.000 | 8991.000 | 2672.000 | 2578.000 | 2612.000 | 0.748 |
| 3 | 06:48:30 | 93% | -0.162 | 43.140 | 0.000 | 8750.000 | 2596.000 | 2480.000 | 2520.000 | 0.783 |
| x | | 92% | -0.131 | 41.960 | 0.000 | 8850.000 | 2637.000 | 2533.000 | 2561.000 | 0.770 |
| σ | | 1% | 0.028 | 1.316 | 0.000 | 125.700 | 38.340 | 49.220 | 46.870 | 0.019 |
| %RSD | | 1 | 21.640 | 3.135 | 0.000 | 1.421 | 1.454 | 1.944 | 1.830 | 2.451 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:46:14 | 889.600 | -2.624 | 0.000 | 0.000 | 383.400 | 11410.000 | 12450.000 | 95% | -0.669 |
| 2 | 06:47:22 | 916.900 | 0.403 | 0.000 | 0.000 | 386.100 | 11720.000 | 12470.000 | 95% | -0.817 |
| 3 | 06:48:30 | 890.600 | -1.445 | 0.000 | 0.000 | 379.200 | 11820.000 | 12450.000 | 95% | -0.818 |
| x | | 899.000 | -1.222 | 0.000 | 0.000 | 382.900 | 11650.000 | 12460.000 | 95% | -0.768 |
| σ | | 15.500 | 1.526 | 0.000 | 0.000 | 3.446 | 213.900 | 13.940 | 0% | 0.086 |
| %RSD | | 1.724 | 124.900 | 0.000 | 0.000 | 0.900 | 1.836 | 0.112 | 0 | 11.160 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:46:14 | 1.509 | 0.296 | 24.010 | 8.475 | 18.830 | 9.625 | 34.330 | -0.038 | 0.105 |
| 2 | 06:47:22 | 1.245 | 0.277 | 23.840 | 9.738 | 18.660 | 10.550 | 35.040 | -0.035 | 0.152 |
| 3 | 06:48:30 | 0.866 | 0.210 | 24.120 | 10.490 | 19.050 | 9.485 | 33.350 | -0.055 | 0.080 |
| x | | 1.207 | 0.261 | 23.990 | 9.567 | 18.850 | 9.886 | 34.240 | -0.043 | 0.112 |
| σ | | 0.324 | 0.046 | 0.142 | 1.018 | 0.196 | 0.578 | 0.849 | 0.011 | 0.036 |
| %RSD | | 26.800 | 17.450 | 0.593 | 10.640 | 1.038 | 5.849 | 2.480 | 25.100 | 32.440 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:46:14 | -0.049 | -0.008 | 0.325 | 0.506 | 1.440 | 0.076 | -0.010 | 1.437 | -2.395 |
| 2 | 06:47:22 | -0.092 | 0.030 | 0.202 | -0.057 | 1.246 | 0.180 | 0.866 | 1.243 | 1.054 |
| 3 | 06:48:30 | -0.063 | -0.010 | 0.236 | 0.212 | 0.661 | 0.159 | 0.321 | 0.658 | -0.530 |
| x | | -0.068 | 0.004 | 0.254 | 0.220 | 1.116 | 0.139 | 0.392 | 1.113 | -0.624 |
| σ | | 0.022 | 0.022 | 0.064 | 0.282 | 0.405 | 0.055 | 0.442 | 0.405 | 1.726 |
| %RSD | | 32.190 | 530.300 | 25.000 | 127.900 | 36.350 | 39.850 | 112.800 | 36.410 | 276.800 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:46:14 | -0.012 | 0.046 | 0.032 | 0.151 | 0.068 | 0.006 | 96% | 0.363 | -0.017 |
| 2 | 06:47:22 | -0.043 | 0.036 | 0.028 | 0.083 | 0.047 | -0.001 | 96% | -0.250 | -0.016 |
| 3 | 06:48:30 | 0.006 | 0.092 | 0.047 | -0.017 | 0.057 | 0.006 | 98% | -0.003 | -0.019 |
| x | | -0.016 | 0.058 | 0.036 | 0.072 | 0.057 | 0.003 | 96% | 0.037 | -0.017 |
| σ | | 0.025 | 0.030 | 0.010 | 0.085 | 0.010 | 0.004 | 1% | 0.308 | 0.002 |
| %RSD | | 151.300 | 50.870 | 28.110 | 117.500 | 18.010 | 114.400 | 1 | 840.900 | 9.700 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:46:14 | -0.247 | 0.360 | -0.017 | -0.036 | -0.042 | -0.026 | 2.262 | 2.163 | 97% |
| 2 | 06:47:22 | 0.142 | -0.254 | -0.003 | -0.085 | -0.036 | -0.043 | 2.163 | 2.421 | 98% |
| 3 | 06:48:30 | 0.004 | -0.005 | -0.022 | -0.076 | -0.038 | -0.050 | 2.173 | 2.193 | 99% |
| x | | -0.034 | 0.034 | -0.014 | -0.066 | -0.039 | -0.040 | 2.200 | 2.259 | 98% |
| σ | | 0.197 | 0.309 | 0.010 | 0.026 | 0.003 | 0.013 | 0.054 | 0.141 | 1% |
| %RSD | | 587.200 | 918.200 | 72.370 | 39.930 | 7.521 | 32.120 | 2.465 | 6.255 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:46:14 | 98% | -0.041 | -0.035 | -0.021 | 0.004 | -0.003 | 97% | 0.353 |
| 2 | 06:47:22 | 97% | -0.047 | -0.036 | -0.027 | -0.000 | -0.011 | 98% | 0.357 |
| 3 | 06:48:30 | 100% | -0.042 | -0.039 | -0.008 | -0.004 | -0.003 | 99% | 0.349 |
| x | | 98% | -0.044 | -0.037 | -0.019 | 0.000 | -0.006 | 98% | 0.353 |
| σ | | 2% | 0.003 | 0.002 | 0.010 | 0.004 | 0.005 | 1% | 0.004 |
| %RSD | | 2 | 7.284 | 5.238 | 52.880 | 11190.000 | 79.230 | 1 | 1.067 |

**C1867-03X25 MF3T559** 05/01/2011 06:53:01 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:54:09 | 90% | -0.153 | 43.570 | 0.000 | 10110.000 | 2969.000 | 2866.000 | 2902.000 | -0.030 |
| 2 | 06:55:18 | 88% | -0.134 | 50.190 | 0.000 | 10220.000 | 3005.000 | 2900.000 | 2908.000 | -0.089 |
| 3 | 06:56:26 | 92% | -0.116 | 41.850 | 0.000 | 9959.000 | 2965.000 | 2868.000 | 2882.000 | -0.104 |
| x | | 90% | -0.134 | 45.200 | 0.000 | 10100.000 | 2980.000 | 2878.000 | 2897.000 | -0.074 |
| σ | | 2% | 0.019 | 4.405 | 0.000 | 130.900 | 22.050 | 19.050 | 14.060 | 0.039 |
| %RSD | | 2 | 13.840 | 9.744 | 0.000 | 1.296 | 0.740 | 0.662 | 0.485 | 52.580 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:54:09 | 950.100 | 4.329 | 0.000 | 0.000 | 398.300 | 12610.000 | 13430.000 | 94% | -0.845 |
| 2 | 06:55:18 | 954.600 | 1.834 | 0.000 | 0.000 | 390.900 | 12370.000 | 13310.000 | 95% | -0.641 |
| 3 | 06:56:26 | 938.100 | 0.301 | 0.000 | 0.000 | 390.000 | 12360.000 | 13300.000 | 95% | -0.908 |
| x | | 947.600 | 2.155 | 0.000 | 0.000 | 393.100 | 12450.000 | 13350.000 | 95% | -0.798 |
| σ | | 8.488 | 2.033 | 0.000 | 0.000 | 4.561 | 139.300 | 68.850 | 1% | 0.139 |
| %RSD | | 0.896 | 94.350 | 0.000 | 0.000 | 1.160 | 1.119 | 0.516 | 1 | 17.450 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:54:09 | 1.745 | 0.158 | 19.430 | 2.549 | -0.022 | 2.716 | 25.400 | -0.060 | 0.053 |
| 2 | 06:55:18 | 0.694 | 0.169 | 20.470 | 0.936 | -0.017 | 1.793 | 29.030 | -0.053 | 0.088 |
| 3 | 06:56:26 | 1.152 | 0.148 | 19.140 | 0.216 | -0.018 | 2.210 | 31.100 | -0.042 | 0.019 |
| x | | 1.197 | 0.159 | 19.680 | 1.233 | -0.019 | 2.240 | 28.510 | -0.051 | 0.053 |
| σ | | 0.527 | 0.010 | 0.702 | 1.195 | 0.003 | 0.462 | 2.886 | 0.009 | 0.035 |
| %RSD | | 44.040 | 6.597 | 3.566 | 96.860 | 13.390 | 20.640 | 10.120 | 17.760 | 64.890 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:54:09 | 0.023 | 0.006 | -0.132 | -0.034 | 0.670 | 0.168 | 1.732 | 0.668 | 3.389 |
| 2 | 06:55:18 | -0.035 | 0.029 | -0.276 | 0.111 | 1.160 | 0.122 | 0.771 | 1.157 | -1.336 |
| 3 | 06:56:26 | 0.020 | 0.004 | -0.170 | 0.548 | 0.858 | 0.056 | 0.733 | 0.857 | 2.180 |
| x | | 0.003 | 0.013 | -0.193 | 0.208 | 0.896 | 0.115 | 1.079 | 0.894 | 1.411 |
| σ | | 0.033 | 0.014 | 0.075 | 0.303 | 0.247 | 0.056 | 0.566 | 0.247 | 2.455 |
| %RSD | | 1255.000 | 108.400 | 38.830 | 145.400 | 27.600 | 48.580 | 52.500 | 27.600 | 174.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:54:09 | -0.008 | 0.017 | 0.024 | -0.009 | -0.014 | 0.006 | 96% | -0.854 | -0.005 |
| 2 | 06:55:18 | -0.033 | 0.021 | -0.014 | 0.036 | -0.006 | 0.006 | 97% | -0.952 | -0.013 |
| 3 | 06:56:26 | -0.002 | 0.008 | 0.020 | 0.060 | 0.015 | 0.002 | 96% | -0.243 | 0.003 |
| x | | -0.014 | 0.015 | 0.010 | 0.029 | -0.001 | 0.005 | 96% | -0.683 | -0.005 |
| σ | | 0.017 | 0.007 | 0.021 | 0.035 | 0.015 | 0.002 | 1% | 0.384 | 0.008 |
| %RSD | | 114.800 | 46.070 | 216.700 | 119.600 | 1112.000 | 42.660 | 1 | 56.220 | 173.500 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:54:09 | 0.425 | -0.860 | 0.004 | -0.117 | -0.068 | -0.060 | 0.956 | 0.988 | 98% |
| 2 | 06:55:18 | 0.479 | -0.957 | -0.003 | -0.123 | -0.071 | -0.066 | 1.089 | 1.019 | 99% |
| 3 | 06:56:26 | 0.139 | -0.248 | 0.007 | -0.079 | -0.072 | -0.045 | 1.065 | 1.111 | 98% |
| x | | 0.348 | -0.688 | 0.003 | -0.106 | -0.070 | -0.057 | 1.037 | 1.040 | 98% |
| σ | | 0.183 | 0.384 | 0.005 | 0.024 | 0.002 | 0.011 | 0.071 | 0.064 | 0% |
| %RSD | | 52.640 | 55.860 | 191.100 | 22.480 | 2.770 | 18.940 | 6.870 | 6.159 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 06:54:09 | 97% | -0.050 | -0.042 | -0.053 | -0.042 | -0.052 | 98% | 0.521 |
| 2 | 06:55:18 | 98% | -0.055 | -0.043 | -0.027 | -0.038 | -0.042 | 99% | 0.512 |
| 3 | 06:56:26 | 99% | -0.048 | -0.046 | -0.063 | -0.042 | -0.051 | 99% | 0.524 |
| x | | 98% | -0.051 | -0.044 | -0.048 | -0.041 | -0.048 | 99% | 0.519 |
| σ | | 1% | 0.004 | 0.002 | 0.019 | 0.002 | 0.005 | 0% | 0.006 |
| %RSD | | 1 | 7.068 | 3.861 | 39.130 | 5.496 | 10.890 | 0 | 1.241 |

**C1867-04X25 MF3T74** 05/01/2011 07:00:57 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:02:05 | 91% | -0.116 | 81.670 | 0.000 | 24090.000 | 5815.000 | 5565.000 | 5573.000 | -0.269 |
| 2 | 07:03:13 | 91% | -0.106 | 81.350 | 0.000 | 23870.000 | 5722.000 | 5564.000 | 5592.000 | -0.157 |
| 3 | 07:04:21 | 89% | -0.076 | 71.560 | 0.000 | 24900.000 | 6004.000 | 5764.000 | 5845.000 | -0.172 |
| x | | 90% | -0.099 | 78.190 | 0.000 | 24290.000 | 5847.000 | 5631.000 | 5670.000 | -0.199 |
| σ | | 1% | 0.021 | 5.747 | 0.000 | 540.400 | 143.600 | 115.100 | 152.000 | 0.061 |
| %RSD | | 1 | 20.730 | 7.349 | 0.000 | 2.225 | 2.457 | 2.044 | 2.681 | 30.550 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:02:05 | 1041.000 | -1.223 | 0.000 | 0.000 | 449.600 | 20330.000 | 21210.000 | 95% | -0.966 |
| 2 | 07:03:13 | 1042.000 | -1.734 | 0.000 | 0.000 | 443.100 | 20180.000 | 21240.000 | 95% | -0.967 |
| 3 | 07:04:21 | 1077.000 | 1.747 | 0.000 | 0.000 | 465.800 | 20850.000 | 22060.000 | 93% | -0.842 |
| x | | 1053.000 | -0.404 | 0.000 | 0.000 | 452.800 | 20450.000 | 21500.000 | 94% | -0.925 |
| σ | | 20.560 | 1.880 | 0.000 | 0.000 | 11.730 | 354.300 | 479.700 | 1% | 0.072 |
| %RSD | | 1.952 | 465.900 | 0.000 | 0.000 | 2.590 | 1.732 | 2.231 | 1 | 7.764 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:02:05 | 1.923 | 0.043 | 16.980 | 1.126 | -0.065 | 1.836 | 51.160 | -0.047 | 0.168 |
| 2 | 07:03:13 | 1.276 | 0.016 | 17.670 | 2.255 | -0.053 | 1.882 | 52.070 | -0.016 | 0.166 |
| 3 | 07:04:21 | 1.913 | 0.061 | 16.920 | 2.749 | -0.083 | 2.657 | 56.300 | -0.019 | 0.206 |
| x | | 1.704 | 0.040 | 17.190 | 2.043 | -0.067 | 2.125 | 53.180 | -0.027 | 0.180 |
| σ | | 0.371 | 0.022 | 0.419 | 0.832 | 0.015 | 0.461 | 2.739 | 0.017 | 0.023 |
| %RSD | | 21.760 | 56.130 | 2.435 | 40.720 | 22.080 | 21.700 | 5.151 | 63.710 | 12.630 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:02:05 | 0.243 | 0.260 | 0.156 | 0.105 | 2.338 | 0.108 | 1.053 | 2.334 | -0.309 |
| 2 | 07:03:13 | 0.118 | 0.182 | 0.323 | 0.401 | 1.746 | 0.076 | 1.546 | 1.743 | 1.351 |
| 3 | 07:04:21 | 0.242 | 0.345 | 0.385 | 0.061 | 1.781 | 0.128 | 1.342 | 1.777 | -0.454 |
| x | | 0.201 | 0.263 | 0.288 | 0.189 | 1.955 | 0.104 | 1.314 | 1.951 | 0.196 |
| σ | | 0.072 | 0.082 | 0.119 | 0.185 | 0.332 | 0.026 | 0.248 | 0.332 | 1.003 |
| %RSD | | 35.690 | 31.210 | 41.240 | 97.820 | 16.980 | 25.350 | 18.880 | 17.000 | 511.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:02:05 | -0.032 | 0.018 | -0.001 | -0.015 | 0.010 | -0.001 | 95% | -0.941 | -0.025 |
| 2 | 07:03:13 | -0.023 | 0.008 | -0.027 | 0.045 | -0.008 | -0.001 | 95% | -0.634 | -0.020 |
| 3 | 07:04:21 | -0.037 | -0.006 | -0.004 | 0.032 | 0.032 | 0.002 | 94% | -1.443 | -0.023 |
| x | | -0.031 | 0.007 | -0.011 | 0.020 | 0.011 | 0.000 | 95% | -1.006 | -0.023 |
| σ | | 0.007 | 0.012 | 0.014 | 0.032 | 0.020 | 0.002 | 1% | 0.408 | 0.002 |
| %RSD | | 23.860 | 182.100 | 131.700 | 155.200 | 174.600 | 3187.000 | 1 | 40.580 | 10.460 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:02:05 | 0.525 | -0.949 | -0.010 | -0.109 | -0.082 | -0.045 | 2.000 | 1.852 | 99% |
| 2 | 07:03:13 | 0.355 | -0.641 | -0.012 | -0.115 | -0.078 | -0.060 | 1.794 | 1.943 | 98% |
| 3 | 07:04:21 | 0.751 | -1.451 | -0.014 | -0.153 | -0.063 | -0.061 | 1.853 | 2.088 | 97% |
| x | | 0.544 | -1.014 | -0.012 | -0.126 | -0.074 | -0.055 | 1.882 | 1.961 | 98% |
| σ | | 0.199 | 0.409 | 0.002 | 0.024 | 0.010 | 0.009 | 0.106 | 0.119 | 1% |
| %RSD | | 36.530 | 40.350 | 12.840 | 18.800 | 13.510 | 16.120 | 5.621 | 6.082 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:02:05 | 99% | -0.045 | -0.045 | -0.017 | -0.011 | -0.015 | 99% | 0.500 |
| 2 | 07:03:13 | 99% | -0.052 | -0.046 | -0.030 | -0.030 | -0.027 | 98% | 0.506 |
| 3 | 07:04:21 | 98% | -0.047 | -0.045 | -0.006 | -0.009 | -0.006 | 98% | 0.529 |
| x | | 99% | -0.048 | -0.045 | -0.018 | -0.017 | -0.016 | 98% | 0.511 |
| σ | | 0% | 0.004 | 0.001 | 0.012 | 0.011 | 0.010 | 1% | 0.015 |
| %RSD | | 0 | 7.423 | 2.078 | 67.400 | 66.180 | 64.240 | 1 | 2.950 |

**C1867-05X25 MF3T75** 05/01/2011 07:08:53 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:10:01 | 91% | -0.106 | 33.870 | 0.000 | 9977.000 | 4733.000 | 4563.000 | 4631.000 | -0.159 |
| 2 | 07:11:09 | 91% | -0.069 | 34.430 | 0.000 | 9878.000 | 4735.000 | 4609.000 | 4608.000 | -0.170 |
| 3 | 07:12:17 | 92% | -0.097 | 32.880 | 0.000 | 9798.000 | 4663.000 | 4529.000 | 4602.000 | -0.174 |
| x | | 91% | -0.091 | 33.730 | 0.000 | 9884.000 | 4710.000 | 4567.000 | 4614.000 | -0.168 |
| σ | | 1% | 0.019 | 0.782 | 0.000 | 89.650 | 41.230 | 39.860 | 15.690 | 0.008 |
| %RSD | | 1 | 21.430 | 2.318 | 0.000 | 0.907 | 0.875 | 0.873 | 0.340 | 4.730 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:10:01 | 935.100 | 4.386 | 0.000 | 0.000 | 465.000 | 13540.000 | 14260.000 | 95% | -0.908 |
| 2 | 07:11:09 | 929.900 | 2.854 | 0.000 | 0.000 | 475.300 | 13470.000 | 14300.000 | 95% | -0.787 |
| 3 | 07:12:17 | 945.800 | 0.199 | 0.000 | 0.000 | 473.000 | 13670.000 | 14410.000 | 94% | -0.847 |
| x | | 936.900 | 2.480 | 0.000 | 0.000 | 471.100 | 13560.000 | 14330.000 | 95% | -0.847 |
| σ | | 8.120 | 2.118 | 0.000 | 0.000 | 5.400 | 101.900 | 79.480 | 1% | 0.060 |
| %RSD | | 0.867 | 85.420 | 0.000 | 0.000 | 1.146 | 0.751 | 0.555 | 1 | 7.119 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:10:01 | 1.570 | 0.027 | 14.510 | 2.671 | -0.053 | 3.259 | 32.660 | -0.051 | 0.003 |
| 2 | 07:11:09 | 1.805 | -0.024 | 14.540 | 2.738 | -0.052 | 3.742 | 33.060 | -0.041 | 0.005 |
| 3 | 07:12:17 | 1.425 | 0.036 | 14.880 | 0.602 | -0.069 | 3.488 | 39.460 | -0.056 | -0.065 |
| x | | 1.600 | 0.013 | 14.640 | 2.003 | -0.058 | 3.497 | 35.060 | -0.050 | -0.019 |
| σ | | 0.191 | 0.032 | 0.205 | 1.215 | 0.010 | 0.242 | 3.817 | 0.008 | 0.040 |
| %RSD | | 11.960 | 253.300 | 1.399 | 60.620 | 16.550 | 6.912 | 10.890 | 15.480 | 209.700 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:10:01 | -0.096 | -0.053 | -0.235 | 0.167 | 0.895 | 0.109 | 0.588 | 0.893 | -0.725 |
| 2 | 07:11:09 | -0.098 | -0.072 | -0.168 | 0.686 | 0.436 | 0.007 | 0.468 | 0.435 | 1.874 |
| 3 | 07:12:17 | -0.080 | -0.072 | -0.283 | 0.177 | 0.244 | 0.099 | 1.168 | 0.243 | 1.269 |
| x | | -0.091 | -0.065 | -0.229 | 0.343 | 0.525 | 0.072 | 0.742 | 0.524 | 0.806 |
| σ | | 0.010 | 0.011 | 0.058 | 0.297 | 0.335 | 0.056 | 0.375 | 0.334 | 1.360 |
| %RSD | | 10.890 | 16.150 | 25.270 | 86.420 | 63.750 | 78.230 | 50.490 | 63.830 | 168.700 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:10:01 | -0.003 | 0.012 | -0.031 | 0.067 | 0.029 | -0.001 | 96% | -0.726 | -0.023 |
| 2 | 07:11:09 | -0.038 | 0.002 | 0.019 | 0.036 | -0.002 | 0.002 | 96% | -0.737 | -0.027 |
| 3 | 07:12:17 | -0.018 | 0.021 | 0.006 | 0.036 | -0.014 | 0.002 | 97% | -0.034 | -0.023 |
| x | | -0.020 | 0.012 | -0.002 | 0.046 | 0.004 | 0.001 | 96% | -0.499 | -0.024 |
| σ | | 0.018 | 0.009 | 0.026 | 0.018 | 0.023 | 0.002 | 0% | 0.403 | 0.002 |
| %RSD | | 90.120 | 79.220 | 1511.000 | 38.230 | 524.200 | 168.300 | 0 | 80.770 | 7.361 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:10:01 | 0.355 | -0.732 | -0.019 | -0.109 | -0.068 | -0.064 | 1.589 | 1.895 | 99% |
| 2 | 07:11:09 | 0.410 | -0.742 | -0.017 | -0.121 | -0.047 | -0.052 | 1.907 | 1.751 | 98% |
| 3 | 07:12:17 | -0.026 | -0.040 | -0.027 | -0.067 | -0.085 | -0.052 | 1.552 | 1.618 | 100% |
| x | | 0.246 | -0.505 | -0.021 | -0.099 | -0.067 | -0.056 | 1.682 | 1.755 | 99% |
| σ | | 0.238 | 0.403 | 0.005 | 0.029 | 0.019 | 0.007 | 0.195 | 0.139 | 1% |
| %RSD | | 96.560 | 79.830 | 24.630 | 28.820 | 28.680 | 13.130 | 11.590 | 7.908 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:10:01 | 100% | -0.050 | -0.047 | -0.067 | -0.061 | -0.063 | 99% | 0.915 |
| 2 | 07:11:09 | 99% | -0.052 | -0.043 | -0.047 | -0.055 | -0.056 | 100% | 0.917 |
| 3 | 07:12:17 | 100% | -0.055 | -0.044 | -0.070 | -0.056 | -0.062 | 100% | 0.911 |
| x | | 99% | -0.052 | -0.045 | -0.061 | -0.058 | -0.060 | 100% | 0.914 |
| σ | | 1% | 0.003 | 0.002 | 0.013 | 0.003 | 0.004 | 1% | 0.003 |
| %RSD | | 1 | 5.347 | 4.021 | 20.820 | 5.535 | 6.213 | 1 | 0.334 |

**CCV** 05/01/2011 07:16:47 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:17:55 | 80% | 489.400 | 474.300 | 0.000 | 49850.000 | 50770.000 | 50520.000 | 49780.000 | 9904.000 |
| 2 | 07:19:03 | 80% | 491.500 | 504.700 | 0.000 | 50460.000 | 50340.000 | 50310.000 | 49930.000 | 9964.000 |
| 3 | 07:20:11 | 80% | 501.300 | 493.800 | 0.000 | 50650.000 | 51190.000 | 51200.000 | 50880.000 | 10110.000 |
| x | | 80% | 494.100 | 491.000 | 0.000 | 50320.000 | 50770.000 | 50670.000 | 50200.000 | 9992.000 |
| σ | | 0% | 6.334 | 15.380 | 0.000 | 420.700 | 423.800 | 464.600 | 595.400 | 106.000 |
| %RSD | | 0 | 1.282 | 3.133 | 0.000 | 0.836 | 0.835 | 0.917 | 1.186 | 1.061 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:17:55 | 494.000 | 10000.000 | 0.000 | 0.000 | 25230.000 | 50920.000 | 48030.000 | 84% | 477.900 |
| 2 | 07:19:03 | 492.700 | 9962.000 | 0.000 | 0.000 | 25490.000 | 51190.000 | 48970.000 | 82% | 481.700 |
| 3 | 07:20:11 | 511.500 | 10140.000 | 0.000 | 0.000 | 25910.000 | 52120.000 | 49490.000 | 82% | 507.200 |
| x | | 499.400 | 10040.000 | 0.000 | 0.000 | 25540.000 | 51410.000 | 48830.000 | 83% | 489.000 |
| σ | | 10.540 | 95.730 | 0.000 | 0.000 | 341.200 | 628.600 | 739.800 | 1% | 15.950 |
| %RSD | | 2.111 | 0.954 | 0.000 | 0.000 | 1.336 | 1.223 | 1.515 | 1 | 3.261 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:17:55 | 484.700 | 487.700 | 15.280 | 25040.000 | 977.800 | 24760.000 | 24680.000 | 483.900 | 491.200 |
| 2 | 07:19:03 | 488.600 | 491.200 | 11.630 | 25290.000 | 989.700 | 25010.000 | 24830.000 | 486.800 | 491.900 |
| 3 | 07:20:11 | 502.500 | 501.100 | 15.590 | 26010.000 | 1022.000 | 25390.000 | 25590.000 | 504.500 | 501.000 |
| x | | 491.900 | 493.300 | 14.170 | 25440.000 | 996.400 | 25050.000 | 25030.000 | 491.700 | 494.700 |
| σ | | 9.390 | 6.952 | 2.202 | 502.700 | 22.580 | 316.100 | 485.900 | 11.180 | 5.474 |
| %RSD | | 1.909 | 1.409 | 15.540 | 1.976 | 2.266 | 1.262 | 1.941 | 2.274 | 1.107 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:17:55 | 959.200 | 974.000 | 981.600 | 483.800 | 479.900 | -0.953 | 481.900 | 478.900 | 3.434 |
| 2 | 07:19:03 | 977.100 | 974.500 | 989.800 | 489.300 | 486.200 | -1.463 | 483.500 | 484.400 | 0.205 |
| 3 | 07:20:11 | 991.600 | 1006.000 | 1027.000 | 503.200 | 500.500 | -1.477 | 496.400 | 499.400 | 1.768 |
| x | | 976.000 | 984.900 | 999.300 | 492.100 | 488.900 | -1.298 | 487.300 | 487.600 | 1.803 |
| σ | | 16.220 | 18.450 | 23.970 | 9.970 | 10.510 | 0.298 | 7.934 | 10.570 | 1.615 |
| %RSD | | 1.662 | 1.873 | 2.399 | 2.026 | 2.151 | 23.000 | 1.628 | 2.167 | 89.570 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:17:55 | 484.100 | 485.500 | 482.100 | 476.100 | 477.400 | 0.018 | 84% | 489.800 | 492.400 |
| 2 | 07:19:03 | 480.800 | 484.400 | 486.200 | 481.800 | 484.700 | 0.003 | 85% | 485.600 | 489.200 |
| 3 | 07:20:11 | 499.600 | 499.200 | 499.200 | 500.400 | 497.300 | 0.003 | 83% | 501.000 | 504.500 |
| x | | 488.200 | 489.700 | 489.100 | 486.100 | 486.500 | 0.008 | 84% | 492.100 | 495.400 |
| σ | | 10.040 | 8.214 | 8.914 | 12.750 | 10.030 | 0.009 | 1% | 7.944 | 8.108 |
| %RSD | | 2.056 | 1.677 | 1.822 | 2.623 | 2.062 | 112.000 | 1 | 1.614 | 1.637 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:17:55 | -7.009 | 490.000 | 490.000 | 482.900 | 419.700 | 485.000 | 2432.000 | 2432.000 | 90% |
| 2 | 07:19:03 | -2.300 | 485.700 | 485.900 | 486.400 | 418.600 | 483.600 | 2424.000 | 2430.000 | 91% |
| 3 | 07:20:11 | -0.271 | 500.900 | 504.200 | 497.600 | 431.900 | 498.900 | 2491.000 | 2480.000 | 90% |
| x | | -3.193 | 492.200 | 493.400 | 489.000 | 423.400 | 489.200 | 2449.000 | 2448.000 | 91% |
| σ | | 3.457 | 7.813 | 9.629 | 7.689 | 7.409 | 8.462 | 36.460 | 28.380 | 1% |
| %RSD | | 108.300 | 1.587 | 1.952 | 1.573 | 1.750 | 1.730 | 1.489 | 1.160 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:17:55 | 91% | 485.200 | 485.200 | 489.000 | 484.700 | 488.900 | 90% | 494.200 |
| 2 | 07:19:03 | 92% | 488.500 | 485.900 | 487.900 | 489.700 | 489.600 | 91% | 494.700 |
| 3 | 07:20:11 | 91% | 495.000 | 491.200 | 502.400 | 497.100 | 497.500 | 90% | 499.000 |
| x | | 91% | 489.600 | 487.400 | 493.100 | 490.500 | 492.000 | 90% | 496.000 |
| σ | | 1% | 4.969 | 3.305 | 8.101 | 6.246 | 4.743 | 0% | 2.670 |
| %RSD | | 1 | 1.015 | 0.678 | 1.643 | 1.273 | 0.964 | 0 | 0.538 |

**CCB** 05/01/2011 07:24:40 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:25:48 | 83% | -0.090 | 8.773 | 0.000 | 61.940 | 0.524 | 0.820 | 0.647 | -0.053 |
| 2 | 07:26:56 | 83% | 0.024 | 9.594 | 0.000 | 67.340 | 4.179 | 3.965 | 3.766 | 0.590 |
| 3 | 07:28:04 | 84% | -0.030 | 6.419 | 0.000 | 58.800 | 3.724 | 4.405 | 3.871 | 0.496 |
| x | | 83% | -0.032 | 8.262 | 0.000 | 62.690 | 2.809 | 3.063 | 2.761 | 0.344 |
| σ | | 1% | 0.057 | 1.648 | 0.000 | 4.318 | 1.992 | 1.956 | 1.832 | 0.347 |
| %RSD | | 1 | 176.800 | 19.950 | 0.000 | 6.888 | 70.910 | 63.840 | 66.350 | 100.900 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:25:48 | 1.235 | 5.564 | 0.000 | 0.000 | 29.220 | 5.136 | -50.710 | 86% | -0.754 |
| 2 | 07:26:56 | 1.662 | 7.697 | 0.000 | 0.000 | 31.080 | -3.024 | -46.310 | 86% | -0.364 |
| 3 | 07:28:04 | 1.047 | 8.285 | 0.000 | 0.000 | 27.960 | 1.729 | -48.300 | 87% | -0.728 |
| x | | 1.315 | 7.182 | 0.000 | 0.000 | 29.420 | 1.280 | -48.440 | 86% | -0.615 |
| σ | | 0.315 | 1.432 | 0.000 | 0.000 | 1.565 | 4.099 | 2.204 | 1% | 0.218 |
| %RSD | | 23.960 | 19.940 | 0.000 | 0.000 | 5.321 | 320.100 | 4.551 | 1 | 35.450 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:25:48 | 0.090 | 0.028 | 9.804 | 4.348 | 0.024 | -0.363 | -3.157 | -0.024 | -0.006 |
| 2 | 07:26:56 | 0.356 | 0.018 | 8.751 | 6.517 | 0.076 | 1.493 | 1.419 | 0.034 | -0.108 |
| 3 | 07:28:04 | 0.295 | 0.074 | 7.607 | 2.717 | 0.049 | -0.011 | -0.218 | 0.035 | -0.076 |
| x | | 0.247 | 0.040 | 8.721 | 4.527 | 0.050 | 0.373 | -0.652 | 0.015 | -0.063 |
| σ | | 0.140 | 0.030 | 1.099 | 1.906 | 0.026 | 0.986 | 2.319 | 0.034 | 0.052 |
| %RSD | | 56.480 | 75.340 | 12.600 | 42.110 | 52.600 | 264.400 | 355.600 | 218.500 | 82.670 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:25:48 | -0.102 | -0.037 | -0.285 | -0.043 | 0.228 | 0.070 | 0.020 | 0.226 | -0.940 |
| 2 | 07:26:56 | 0.002 | 0.087 | -0.099 | -0.065 | -0.150 | 0.071 | -0.032 | -0.150 | 1.528 |
| 3 | 07:28:04 | 0.019 | -0.005 | -0.165 | 0.317 | 0.183 | -0.015 | 0.416 | 0.182 | 1.135 |
| x | | -0.027 | 0.015 | -0.183 | 0.069 | 0.087 | 0.042 | 0.135 | 0.086 | 0.574 |
| σ | | 0.065 | 0.064 | 0.095 | 0.215 | 0.207 | 0.049 | 0.245 | 0.206 | 1.326 |
| %RSD | | 240.400 | 433.400 | 51.730 | 309.300 | 237.800 | 117.200 | 182.100 | 237.900 | 230.900 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:25:48 | 0.363 | 0.566 | 0.573 | 0.549 | 0.476 | 0.006 | 89% | 0.203 | 0.048 |
| 2 | 07:26:56 | 0.219 | 0.429 | 0.376 | 0.334 | 0.381 | 0.010 | 89% | -0.954 | 0.067 |
| 3 | 07:28:04 | 0.234 | 0.277 | 0.275 | 0.235 | 0.230 | 0.010 | 89% | -0.255 | 0.070 |
| x | | 0.272 | 0.424 | 0.408 | 0.373 | 0.362 | 0.009 | 89% | -0.335 | 0.062 |
| σ | | 0.079 | 0.145 | 0.152 | 0.161 | 0.124 | 0.002 | 0% | 0.583 | 0.012 |
| %RSD | | 29.130 | 34.150 | 37.210 | 43.170 | 34.330 | 24.110 | 0 | 173.900 | 18.850 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:25:48 | -0.157 | 0.198 | 0.034 | -0.012 | 0.178 | 0.410 | -0.108 | -0.029 | 92% |
| 2 | 07:26:56 | 0.480 | -0.960 | 0.084 | -0.069 | 0.171 | 0.355 | 0.097 | 0.229 | 91% |
| 3 | 07:28:04 | 0.149 | -0.260 | 0.082 | -0.006 | 0.110 | 0.247 | 0.172 | 0.177 | 92% |
| x | | 0.158 | -0.341 | 0.066 | -0.029 | 0.153 | 0.337 | 0.054 | 0.126 | 92% |
| σ | | 0.319 | 0.583 | 0.028 | 0.035 | 0.037 | 0.083 | 0.145 | 0.137 | 0% |
| %RSD | | 202.400 | 171.000 | 42.500 | 120.100 | 24.390 | 24.560 | 270.500 | 108.700 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:25:48 | 92% | 0.021 | 0.026 | -0.038 | -0.019 | -0.026 | 93% | 0.022 |
| 2 | 07:26:56 | 92% | 0.045 | 0.046 | 0.004 | 0.006 | -0.001 | 94% | 0.041 |
| 3 | 07:28:04 | 92% | 0.032 | 0.037 | 0.005 | -0.001 | 0.002 | 94% | 0.041 |
| x | | 92% | 0.033 | 0.036 | -0.010 | -0.005 | -0.008 | 94% | 0.035 |
| σ | | 0% | 0.012 | 0.010 | 0.024 | 0.013 | 0.016 | 1% | 0.011 |
| %RSD | | 0 | 36.200 | 27.320 | 254.100 | 257.200 | 186.900 | 1 | 32.580 |

**C1867-06 MF3T84** 05/01/2011 07:32:33 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:33:41 | 80% | 0.081 | 1016.000 | 0.000 | 326500.000 | 77530.000 | 76480.000 | 76170.000 | 5.039 |
| 2 | 07:34:49 | 81% | 0.025 | 1018.000 | 0.000 | 318100.000 | 75290.000 | 73920.000 | 73390.000 | 7.043 |
| 3 | 07:35:57 | 81% | -0.026 | 1002.000 | 0.000 | 321400.000 | 76240.000 | 74710.000 | 74330.000 | 6.277 |
| x | | 81% | 0.027 | 1012.000 | 0.000 | 322000.000 | 76350.000 | 75030.000 | 74630.000 | 6.119 |
| σ | | 1% | 0.053 | 8.337 | 0.000 | 4254.000 | 1125.000 | 1309.000 | 1413.000 | 1.011 |
| %RSD | | 1 | 198.200 | 0.824 | 0.000 | 1.321 | 1.474 | 1.744 | 1.894 | 16.530 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:33:41 | 27140.000 | 13.340 | 0.000 | 0.000 | 5955.000 | 295100.000 | 325900.000 | 91% | 1.489 |
| 2 | 07:34:49 | 26260.000 | 11.580 | 0.000 | 0.000 | 5684.000 | 280900.000 | 310800.000 | 96% | 1.553 |
| 3 | 07:35:57 | 26800.000 | 14.630 | 0.000 | 0.000 | 5827.000 | 288200.000 | 315100.000 | 93% | 1.144 |
| x | | 26730.000 | 13.180 | 0.000 | 0.000 | 5822.000 | 288100.000 | 317300.000 | 93% | 1.396 |
| σ | | 440.700 | 1.531 | 0.000 | 0.000 | 135.500 | 7077.000 | 7756.000 | 2% | 0.220 |
| %RSD | | 1.649 | 11.610 | 0.000 | 0.000 | 2.328 | 2.456 | 2.445 | 2 | 15.750 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:33:41 | 35.510 | 1.209 | 150.300 | 18.330 | 0.833 | 30.640 | 871.600 | -0.054 | 4.023 |
| 2 | 07:34:49 | 33.200 | 1.172 | 151.800 | 13.220 | 0.726 | 26.690 | 821.000 | -0.020 | 3.675 |
| 3 | 07:35:57 | 34.140 | 1.252 | 162.000 | 14.750 | 0.680 | 26.990 | 841.600 | -0.065 | 3.720 |
| x | | 34.280 | 1.211 | 154.700 | 15.430 | 0.746 | 28.110 | 844.700 | -0.046 | 3.806 |
| σ | | 1.165 | 0.040 | 6.367 | 2.625 | 0.079 | 2.196 | 25.450 | 0.024 | 0.189 |
| %RSD | | 3.397 | 3.286 | 4.117 | 17.010 | 10.520 | 7.813 | 3.013 | 50.810 | 4.973 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:33:41 | 11.240 | 11.010 | 18.670 | 9.099 | 17.160 | 0.815 | 11.680 | 17.400 | -1.720 |
| 2 | 07:34:49 | 10.560 | 10.600 | 19.330 | 7.485 | 15.370 | 1.116 | 10.410 | 15.610 | -1.358 |
| 3 | 07:35:57 | 10.960 | 11.390 | 18.480 | 7.942 | 16.400 | 1.030 | 10.030 | 16.620 | 1.084 |
| x | | 10.920 | 11.000 | 18.830 | 8.175 | 16.310 | 0.987 | 10.710 | 16.540 | -0.665 |
| σ | | 0.346 | 0.392 | 0.445 | 0.832 | 0.898 | 0.155 | 0.861 | 0.895 | 1.525 |
| %RSD | | 3.169 | 3.564 | 2.362 | 10.180 | 5.506 | 15.690 | 8.045 | 5.409 | 229.500 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:33:41 | 7.850 | 2.139 | 2.385 | 2.622 | 2.283 | 0.003 | 76% | 0.284 | 0.100 |
| 2 | 07:34:49 | 6.200 | 2.141 | 2.077 | 2.163 | 2.105 | 0.011 | 78% | -0.405 | 0.060 |
| 3 | 07:35:57 | 4.900 | 2.163 | 1.939 | 2.593 | 2.084 | 0.011 | 78% | -0.646 | 0.059 |
| x | | 6.317 | 2.148 | 2.134 | 2.460 | 2.157 | 0.009 | 77% | -0.255 | 0.073 |
| σ | | 1.478 | 0.013 | 0.228 | 0.257 | 0.110 | 0.005 | 1% | 0.483 | 0.023 |
| %RSD | | 23.400 | 0.615 | 10.690 | 10.450 | 5.093 | 54.990 | 1 | 189.000 | 31.960 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:33:41 | -0.007 | 0.266 | 0.107 | 0.116 | 0.392 | 0.270 | 47.010 | 47.560 | 85% |
| 2 | 07:34:49 | 0.307 | -0.424 | 0.092 | 0.054 | 0.267 | 0.169 | 44.940 | 45.140 | 87% |
| 3 | 07:35:57 | 0.563 | -0.666 | 0.038 | -0.035 | 0.274 | 0.134 | 45.800 | 44.920 | 88% |
| x | | 0.288 | -0.275 | 0.079 | 0.045 | 0.311 | 0.191 | 45.910 | 45.870 | 87% |
| σ | | 0.286 | 0.484 | 0.037 | 0.076 | 0.071 | 0.071 | 1.038 | 1.468 | 2% |
| %RSD | | 99.240 | 176.200 | 46.270 | 167.400 | 22.680 | 37.050 | 2.261 | 3.199 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:33:41 | 86% | 0.239 | 0.201 | 1.571 | 1.474 | 1.485 | 81% | 9.069 |
| 2 | 07:34:49 | 89% | 0.110 | 0.103 | 1.316 | 1.305 | 1.341 | 85% | 8.550 |
| 3 | 07:35:57 | 89% | 0.045 | 0.039 | 1.335 | 1.177 | 1.257 | 85% | 8.462 |
| x | | 88% | 0.131 | 0.114 | 1.407 | 1.319 | 1.361 | 84% | 8.694 |
| σ | | 2% | 0.099 | 0.082 | 0.142 | 0.149 | 0.115 | 2% | 0.329 |
| %RSD | | 2 | 75.260 | 71.490 | 10.110 | 11.320 | 8.460 | 2 | 3.778 |

**C1867-07 MF3T91** 05/01/2011 07:40:27 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:41:35 | 85% | -0.103 | 1335.000 | 0.000 | 337700.000 | 63560.000 | 63330.000 | 62000.000 | 0.930 |
| 2 | 07:42:43 | 86% | -0.063 | 1389.000 | 0.000 | 338600.000 | 63040.000 | 62510.000 | 62160.000 | 0.398 |
| 3 | 07:43:51 | 83% | -0.040 | 1450.000 | 0.000 | 355500.000 | 66740.000 | 65870.000 | 64810.000 | 1.814 |
| x | | 85% | -0.068 | 1391.000 | 0.000 | 343900.000 | 64450.000 | 63900.000 | 62990.000 | 1.047 |
| σ | | 1% | 0.032 | 57.240 | 0.000 | 10010.000 | 1999.000 | 1753.000 | 1581.000 | 0.715 |
| %RSD | | 2 | 46.540 | 4.114 | 0.000 | 2.912 | 3.102 | 2.743 | 2.510 | 68.300 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:41:35 | 23250.000 | -3.834 | 0.000 | 0.000 | 5366.000 | 182000.000 | 199600.000 | 92% | 0.419 |
| 2 | 07:42:43 | 23660.000 | -10.440 | 0.000 | 0.000 | 5423.000 | 182600.000 | 199900.000 | 92% | 0.517 |
| 3 | 07:43:51 | 24600.000 | -8.757 | 0.000 | 0.000 | 5605.000 | 189800.000 | 208700.000 | 90% | 0.840 |
| x | | 23840.000 | -7.678 | 0.000 | 0.000 | 5465.000 | 184800.000 | 202700.000 | 91% | 0.592 |
| σ | | 694.600 | 3.434 | 0.000 | 0.000 | 124.800 | 4349.000 | 5201.000 | 1% | 0.220 |
| %RSD | | 2.914 | 44.730 | 0.000 | 0.000 | 2.283 | 2.353 | 2.566 | 1 | 37.140 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:41:35 | 50.930 | 0.651 | 158.900 | -3.419 | 0.084 | 3.521 | 501.800 | 0.073 | 2.110 |
| 2 | 07:42:43 | 49.520 | 0.714 | 168.400 | -2.582 | 0.042 | 3.549 | 501.500 | 0.067 | 2.342 |
| 3 | 07:43:51 | 53.800 | 0.779 | 176.900 | -2.257 | 0.025 | 3.859 | 526.600 | 0.070 | 2.247 |
| x | | 51.420 | 0.715 | 168.100 | -2.753 | 0.050 | 3.643 | 509.900 | 0.070 | 2.233 |
| σ | | 2.180 | 0.064 | 9.012 | 0.600 | 0.031 | 0.187 | 14.400 | 0.003 | 0.117 |
| %RSD | | 4.239 | 8.917 | 5.362 | 21.780 | 60.680 | 5.145 | 2.825 | 4.326 | 5.232 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:41:35 | 3.979 | 4.307 | 3.361 | 11.390 | 24.710 | 0.784 | 18.020 | 25.020 | 3.741 |
| 2 | 07:42:43 | 4.042 | 4.571 | 3.192 | 10.790 | 25.170 | 0.881 | 18.530 | 25.480 | 2.443 |
| 3 | 07:43:51 | 4.064 | 4.329 | 3.572 | 9.674 | 24.000 | 1.321 | 18.730 | 24.290 | -1.350 |
| x | | 4.028 | 4.402 | 3.375 | 10.620 | 24.620 | 0.995 | 18.430 | 24.930 | 1.611 |
| σ | | 0.044 | 0.147 | 0.190 | 0.872 | 0.585 | 0.286 | 0.367 | 0.598 | 2.646 |
| %RSD | | 1.089 | 3.327 | 5.642 | 8.212 | 2.377 | 28.750 | 1.992 | 2.397 | 164.200 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:41:35 | 2.807 | 1.824 | 1.879 | 2.001 | 1.948 | -0.001 | 78% | -0.336 | 0.058 |
| 2 | 07:42:43 | 3.953 | 2.047 | 1.792 | 2.125 | 2.047 | 0.007 | 78% | -1.059 | 0.024 |
| 3 | 07:43:51 | 3.208 | 2.248 | 1.948 | 2.113 | 2.153 | -0.001 | 77% | -0.484 | 0.011 |
| x | | 3.323 | 2.040 | 1.873 | 2.080 | 2.050 | 0.002 | 78% | -0.626 | 0.031 |
| σ | | 0.581 | 0.212 | 0.078 | 0.068 | 0.103 | 0.005 | 1% | 0.382 | 0.024 |
| %RSD | | 17.490 | 10.410 | 4.169 | 3.274 | 5.002 | 287.400 | 1 | 61.000 | 77.930 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:41:35 | 0.209 | -0.356 | 0.053 | -0.033 | 0.033 | 0.122 | 24.620 | 24.620 | 88% |
| 2 | 07:42:43 | 0.607 | -1.079 | 0.022 | -0.100 | 0.009 | 0.056 | 23.650 | 24.470 | 89% |
| 3 | 07:43:51 | 0.229 | -0.504 | 0.011 | -0.057 | 0.075 | 0.092 | 25.850 | 25.430 | 87% |
| x | | 0.348 | -0.646 | 0.029 | -0.063 | 0.039 | 0.090 | 24.700 | 24.840 | 88% |
| σ | | 0.224 | 0.382 | 0.022 | 0.034 | 0.034 | 0.033 | 1.105 | 0.518 | 1% |
| %RSD | | 64.410 | 59.140 | 75.950 | 53.480 | 86.640 | 36.320 | 4.472 | 2.084 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:41:35 | 89% | 0.043 | 0.046 | 0.517 | 0.511 | 0.526 | 85% | 12.440 |
| 2 | 07:42:43 | 89% | -0.016 | 0.001 | 0.523 | 0.516 | 0.506 | 86% | 12.440 |
| 3 | 07:43:51 | 87% | -0.035 | -0.013 | 0.540 | 0.491 | 0.519 | 85% | 12.990 |
| x | | 88% | -0.003 | 0.011 | 0.527 | 0.506 | 0.517 | 85% | 12.620 |
| σ | | 1% | 0.041 | 0.031 | 0.012 | 0.013 | 0.010 | 0% | 0.315 |
| %RSD | | 1 | 1568.000 | 272.700 | 2.347 | 2.589 | 1.938 | 1 | 2.498 |

**C1867-08 MF3TC2** 05/01/2011 07:48:21 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:49:28 | 97% | -0.083 | 875.600 | 0.000 | 231500.000 | 67720.000 | 67050.000 | 66940.000 | 0.420 |
| 2 | 07:50:36 | 97% | -0.101 | 901.000 | 0.000 | 234700.000 | 67980.000 | 67310.000 | 67280.000 | -0.868 |
| 3 | 07:51:44 | 99% | -0.093 | 923.000 | 0.000 | 233500.000 | 68680.000 | 67930.000 | 67140.000 | 0.540 |
| x | | 98% | -0.092 | 899.900 | 0.000 | 233200.000 | 68130.000 | 67430.000 | 67120.000 | 0.030 |
| σ | | 1% | 0.009 | 23.710 | 0.000 | 1636.000 | 497.500 | 450.300 | 173.300 | 0.781 |
| %RSD | | 1 | 9.757 | 2.635 | 0.000 | 0.702 | 0.730 | 0.668 | 0.258 | 2561.000 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:49:28 | 20370.000 | -6.137 | 0.000 | 0.000 | 7669.000 | 286900.000 | 300100.000 | 96% | 0.537 |
| 2 | 07:50:36 | 20460.000 | -3.882 | 0.000 | 0.000 | 7699.000 | 289600.000 | 301400.000 | 96% | 0.529 |
| 3 | 07:51:44 | 20340.000 | -2.950 | 0.000 | 0.000 | 7757.000 | 288800.000 | 303900.000 | 96% | 1.027 |
| x | | 20390.000 | -4.323 | 0.000 | 0.000 | 7708.000 | 288400.000 | 301800.000 | 96% | 0.698 |
| σ | | 59.630 | 1.639 | 0.000 | 0.000 | 44.870 | 1409.000 | 1927.000 | 0% | 0.285 |
| %RSD | | 0.293 | 37.900 | 0.000 | 0.000 | 0.582 | 0.488 | 0.638 | 0 | 40.870 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:49:28 | 28.430 | 6.635 | 170.700 | -3.040 | 0.133 | 8.911 | 857.700 | 0.348 | 3.105 |
| 2 | 07:50:36 | 28.400 | 6.510 | 178.500 | -0.062 | 0.182 | 9.058 | 782.000 | 0.234 | 3.119 |
| 3 | 07:51:44 | 28.610 | 6.600 | 184.400 | -3.210 | 0.116 | 8.775 | 786.600 | 0.330 | 2.979 |
| x | | 28.480 | 6.582 | 177.900 | -2.104 | 0.144 | 8.915 | 808.800 | 0.304 | 3.068 |
| σ | | 0.114 | 0.064 | 6.848 | 1.770 | 0.034 | 0.142 | 42.490 | 0.061 | 0.077 |
| %RSD | | 0.399 | 0.978 | 3.850 | 84.130 | 23.830 | 1.590 | 5.254 | 20.130 | 2.507 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:49:28 | 1.092 | 1.462 | 2.046 | 8.316 | 24.910 | 0.938 | 17.480 | 25.240 | -0.974 |
| 2 | 07:50:36 | 1.121 | 1.415 | 1.970 | 7.565 | 23.800 | 1.074 | 15.640 | 24.070 | 2.304 |
| 3 | 07:51:44 | 1.180 | 1.398 | 1.940 | 8.557 | 25.320 | 0.973 | 18.130 | 25.620 | -0.822 |
| x | | 1.131 | 1.425 | 1.986 | 8.146 | 24.680 | 0.995 | 17.080 | 24.980 | 0.169 |
| σ | | 0.045 | 0.033 | 0.055 | 0.518 | 0.787 | 0.071 | 1.290 | 0.807 | 1.850 |
| %RSD | | 3.957 | 2.323 | 2.757 | 6.352 | 3.188 | 7.114 | 7.552 | 3.231 | 1093.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:49:28 | 1.110 | 1.016 | 0.937 | 1.032 | 0.878 | 0.007 | 81% | -0.795 | 0.050 |
| 2 | 07:50:36 | -0.887 | 1.003 | 0.915 | 0.859 | 0.946 | 0.003 | 83% | -0.208 | 0.041 |
| 3 | 07:51:44 | -0.513 | 1.035 | 0.847 | 1.133 | 0.831 | 0.011 | 82% | 0.433 | 0.029 |
| x | | -0.097 | 1.018 | 0.900 | 1.008 | 0.885 | 0.007 | 82% | -0.190 | 0.040 |
| σ | | 1.061 | 0.016 | 0.047 | 0.138 | 0.058 | 0.004 | 1% | 0.614 | 0.011 |
| %RSD | | 1096.000 | 1.575 | 5.217 | 13.720 | 6.541 | 57.890 | 1 | 322.600 | 27.090 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:49:28 | 0.400 | -0.813 | 0.069 | -0.100 | -0.053 | 0.058 | 33.760 | 32.950 | 90% |
| 2 | 07:50:36 | 0.134 | -0.226 | 0.038 | -0.049 | -0.013 | 0.030 | 32.010 | 32.750 | 92% |
| 3 | 07:51:44 | -0.162 | 0.416 | 0.016 | -0.023 | -0.014 | 0.038 | 33.440 | 34.330 | 90% |
| x | | 0.124 | -0.208 | 0.041 | -0.057 | -0.027 | 0.042 | 33.070 | 33.340 | 91% |
| σ | | 0.281 | 0.615 | 0.027 | 0.039 | 0.023 | 0.015 | 0.931 | 0.864 | 1% |
| %RSD | | 226.400 | 296.300 | 65.640 | 67.510 | 87.160 | 34.790 | 2.816 | 2.592 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:49:28 | 91% | -0.018 | -0.013 | 0.162 | 0.151 | 0.154 | 87% | 13.920 |
| 2 | 07:50:36 | 93% | -0.025 | -0.023 | 0.136 | 0.122 | 0.121 | 88% | 13.800 |
| 3 | 07:51:44 | 92% | -0.026 | -0.031 | 0.122 | 0.155 | 0.135 | 87% | 14.390 |
| x | | 92% | -0.023 | -0.023 | 0.140 | 0.143 | 0.137 | 87% | 14.040 |
| σ | | 1% | 0.004 | 0.009 | 0.020 | 0.018 | 0.017 | 1% | 0.309 |
| %RSD | | 1 | 18.750 | 39.950 | 14.610 | 12.750 | 12.180 | 1 | 2.199 |

**C1867-09 MF3T58** 05/01/2011 07:56:15 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:57:23 | 93% | -0.089 | 899.500 | 0.000 | 239700.000 | 60980.000 | 59520.000 | 59290.000 | 0.352 |
| 2 | 07:58:31 | 94% | -0.080 | 899.300 | 0.000 | 234300.000 | 59900.000 | 59020.000 | 58580.000 | 0.936 |
| 3 | 07:59:39 | 92% | -0.098 | 918.900 | 0.000 | 243300.000 | 61620.000 | 61420.000 | 60890.000 | 0.156 |
| x | | 93% | -0.089 | 905.900 | 0.000 | 239100.000 | 60830.000 | 59990.000 | 59590.000 | 0.482 |
| σ | | 1% | 0.009 | 11.230 | 0.000 | 4543.000 | 871.200 | 1263.000 | 1184.000 | 0.406 |
| %RSD | | 1 | 9.799 | 1.239 | 0.000 | 1.900 | 1.432 | 2.106 | 1.988 | 84.230 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:57:23 | 20580.000 | -4.484 | 0.000 | 0.000 | 7892.000 | 255700.000 | 267900.000 | 96% | 0.826 |
| 2 | 07:58:31 | 20580.000 | -10.810 | 0.000 | 0.000 | 7943.000 | 257100.000 | 270100.000 | 94% | 0.592 |
| 3 | 07:59:39 | 21270.000 | -8.687 | 0.000 | 0.000 | 8121.000 | 263500.000 | 275200.000 | 95% | 0.679 |
| x | | 20810.000 | -7.993 | 0.000 | 0.000 | 7985.000 | 258800.000 | 271100.000 | 95% | 0.699 |
| σ | | 397.100 | 3.218 | 0.000 | 0.000 | 120.500 | 4169.000 | 3721.000 | 1% | 0.118 |
| %RSD | | 1.909 | 40.260 | 0.000 | 0.000 | 1.509 | 1.611 | 1.373 | 1 | 16.910 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:57:23 | 43.900 | 16.290 | 171.300 | -0.772 | 0.296 | 5.950 | 742.300 | 0.299 | 3.056 |
| 2 | 07:58:31 | 44.400 | 17.030 | 183.800 | -2.610 | 0.349 | 7.082 | 758.700 | 0.279 | 3.275 |
| 3 | 07:59:39 | 44.080 | 17.010 | 189.000 | -2.483 | 0.366 | 7.253 | 735.900 | 0.322 | 3.397 |
| x | | 44.130 | 16.780 | 181.300 | -1.955 | 0.337 | 6.762 | 745.600 | 0.300 | 3.243 |
| σ | | 0.254 | 0.420 | 9.071 | 1.027 | 0.036 | 0.708 | 11.720 | 0.021 | 0.173 |
| %RSD | | 0.575 | 2.506 | 5.002 | 52.520 | 10.800 | 10.470 | 1.572 | 7.133 | 5.326 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:57:23 | 4.455 | 4.449 | 17.050 | 9.153 | 23.080 | 0.971 | 15.920 | 23.410 | -2.868 |
| 2 | 07:58:31 | 4.350 | 4.665 | 17.640 | 9.149 | 22.730 | 1.062 | 16.270 | 23.000 | -2.197 |
| 3 | 07:59:39 | 4.279 | 4.691 | 17.410 | 9.068 | 22.130 | 1.054 | 15.850 | 22.430 | 0.838 |
| x | | 4.361 | 4.602 | 17.370 | 9.123 | 22.650 | 1.029 | 16.010 | 22.950 | -1.409 |
| σ | | 0.089 | 0.133 | 0.301 | 0.048 | 0.483 | 0.050 | 0.227 | 0.494 | 1.975 |
| %RSD | | 2.032 | 2.883 | 1.735 | 0.523 | 2.132 | 4.889 | 1.417 | 2.152 | 140.200 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:57:23 | 0.744 | 1.365 | 1.229 | 1.253 | 1.154 | 0.003 | 80% | -0.602 | 0.025 |
| 2 | 07:58:31 | 0.263 | 1.267 | 1.201 | 1.374 | 1.290 | -0.001 | 81% | -0.468 | 0.022 |
| 3 | 07:59:39 | 0.874 | 1.215 | 1.098 | 1.518 | 1.242 | 0.003 | 79% | -1.040 | 0.004 |
| x | | 0.627 | 1.282 | 1.176 | 1.382 | 1.228 | 0.002 | 80% | -0.704 | 0.017 |
| σ | | 0.322 | 0.076 | 0.069 | 0.133 | 0.069 | 0.002 | 1% | 0.299 | 0.011 |
| %RSD | | 51.320 | 5.931 | 5.866 | 9.619 | 5.595 | 145.900 | 1 | 42.520 | 65.230 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:57:23 | 0.352 | -0.619 | 0.011 | -0.101 | 0.020 | 0.041 | 24.350 | 23.260 | 89% |
| 2 | 07:58:31 | 0.338 | -0.486 | 0.011 | -0.064 | 0.019 | 0.031 | 24.090 | 23.540 | 90% |
| 3 | 07:59:39 | 0.534 | -1.058 | 0.008 | -0.129 | 0.021 | 0.023 | 23.930 | 23.890 | 88% |
| x | | 0.408 | -0.721 | 0.010 | -0.098 | 0.020 | 0.032 | 24.130 | 23.570 | 89% |
| σ | | 0.109 | 0.299 | 0.002 | 0.033 | 0.001 | 0.009 | 0.209 | 0.317 | 1% |
| %RSD | | 26.780 | 41.460 | 19.390 | 33.470 | 6.123 | 28.680 | 0.865 | 1.345 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 07:57:23 | 90% | -0.049 | -0.036 | 0.934 | 0.880 | 0.888 | 86% | 15.190 |
| 2 | 07:58:31 | 90% | -0.035 | -0.036 | 0.900 | 0.869 | 0.859 | 86% | 15.010 |
| 3 | 07:59:39 | 89% | -0.046 | -0.036 | 0.956 | 0.871 | 0.875 | 85% | 15.480 |
| x | | 89% | -0.044 | -0.036 | 0.930 | 0.873 | 0.874 | 86% | 15.230 |
| σ | | 1% | 0.007 | 0.000 | 0.028 | 0.006 | 0.015 | 1% | 0.239 |
| %RSD | | 1 | 17.200 | 0.310 | 3.029 | 0.679 | 1.684 | 1 | 1.570 |

**C1867-10 MF3T87** 05/01/2011 08:04:10 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:05:18 | 83% | -0.100 | 908.000 | 0.000 | 235300.000 | 42090.000 | 41550.000 | 41110.000 | 4.368 |
| 2 | 08:06:26 | 84% | -0.051 | 898.200 | 0.000 | 231600.000 | 41490.000 | 41280.000 | 40980.000 | 4.837 |
| 3 | 08:07:34 | 85% | -0.092 | 931.000 | 0.000 | 229800.000 | 40980.000 | 40790.000 | 40610.000 | 4.743 |
| x | | 84% | -0.081 | 912.400 | 0.000 | 232200.000 | 41520.000 | 41210.000 | 40900.000 | 4.649 |
| σ | | 1% | 0.027 | 16.850 | 0.000 | 2805.000 | 557.000 | 387.800 | 260.300 | 0.248 |
| %RSD | | 1 | 32.950 | 1.847 | 0.000 | 1.208 | 1.342 | 0.941 | 0.637 | 5.344 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:05:18 | 21960.000 | 8.849 | 0.000 | 0.000 | 6394.000 | 169500.000 | 189400.000 | 85% | 1.046 |
| 2 | 08:06:26 | 21900.000 | 8.784 | 0.000 | 0.000 | 6326.000 | 169000.000 | 184200.000 | 85% | 0.836 |
| 3 | 08:07:34 | 21670.000 | 7.332 | 0.000 | 0.000 | 6177.000 | 166300.000 | 181600.000 | 86% | 0.782 |
| x | | 21840.000 | 8.321 | 0.000 | 0.000 | 6299.000 | 168200.000 | 185100.000 | 85% | 0.888 |
| σ | | 149.700 | 0.858 | 0.000 | 0.000 | 110.600 | 1731.000 | 3944.000 | 1% | 0.140 |
| %RSD | | 0.685 | 10.310 | 0.000 | 0.000 | 1.757 | 1.029 | 2.131 | 1 | 15.720 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:05:18 | 31.180 | 3.129 | 194.000 | 99.850 | 1.874 | 100.200 | 580.100 | 0.971 | 4.110 |
| 2 | 08:06:26 | 30.890 | 3.113 | 201.900 | 96.590 | 1.867 | 101.300 | 603.900 | 1.017 | 3.882 |
| 3 | 08:07:34 | 30.900 | 2.941 | 204.000 | 91.970 | 1.850 | 100.500 | 569.500 | 0.877 | 4.378 |
| x | | 30.990 | 3.061 | 200.000 | 96.130 | 1.864 | 100.700 | 584.500 | 0.955 | 4.124 |
| σ | | 0.164 | 0.104 | 5.277 | 3.960 | 0.012 | 0.537 | 17.630 | 0.071 | 0.249 |
| %RSD | | 0.529 | 3.410 | 2.639 | 4.120 | 0.663 | 0.534 | 3.016 | 7.470 | 6.026 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:05:18 | 20.420 | 21.100 | 31.380 | 6.610 | 13.990 | 1.145 | 11.220 | 14.020 | 2.495 |
| 2 | 08:06:26 | 19.960 | 20.750 | 30.990 | 6.603 | 14.540 | 1.122 | 10.580 | 14.570 | 1.712 |
| 3 | 08:07:34 | 20.290 | 20.330 | 31.450 | 7.121 | 13.660 | 1.014 | 10.700 | 13.690 | -0.146 |
| x | | 20.220 | 20.730 | 31.270 | 6.778 | 14.060 | 1.094 | 10.830 | 14.090 | 1.354 |
| σ | | 0.239 | 0.388 | 0.248 | 0.297 | 0.443 | 0.070 | 0.341 | 0.448 | 1.356 |
| %RSD | | 1.179 | 1.874 | 0.794 | 4.384 | 3.150 | 6.367 | 3.143 | 3.179 | 100.200 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:05:18 | 3.689 | 1.776 | 1.997 | 1.825 | 1.939 | 0.003 | 81% | -0.787 | 0.000 |
| 2 | 08:06:26 | 4.388 | 1.984 | 2.013 | 1.887 | 1.940 | 0.007 | 82% | -0.052 | -0.006 |
| 3 | 08:07:34 | 3.995 | 1.655 | 2.144 | 2.034 | 1.924 | 0.007 | 83% | 0.161 | -0.006 |
| x | | 4.024 | 1.805 | 2.051 | 1.915 | 1.934 | 0.005 | 82% | -0.226 | -0.004 |
| σ | | 0.350 | 0.166 | 0.081 | 0.107 | 0.009 | 0.002 | 1% | 0.497 | 0.003 |
| %RSD | | 8.708 | 9.215 | 3.930 | 5.606 | 0.475 | 40.600 | 1 | 219.900 | 87.800 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:05:18 | 0.630 | -0.802 | 0.007 | -0.125 | -0.053 | 0.052 | 46.080 | 46.390 | 88% |
| 2 | 08:06:26 | 0.048 | -0.069 | -0.000 | -0.053 | -0.038 | 0.028 | 44.760 | 45.680 | 90% |
| 3 | 08:07:34 | 0.332 | 0.146 | -0.001 | -0.092 | -0.042 | 0.008 | 45.610 | 44.770 | 91% |
| x | | 0.337 | -0.242 | 0.002 | -0.090 | -0.044 | 0.029 | 45.480 | 45.610 | 89% |
| σ | | 0.291 | 0.497 | 0.005 | 0.036 | 0.008 | 0.022 | 0.666 | 0.813 | 1% |
| %RSD | | 86.410 | 205.700 | 237.300 | 39.590 | 17.550 | 74.610 | 1.464 | 1.782 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:05:18 | 88% | -0.045 | -0.035 | 1.264 | 1.223 | 1.231 | 86% | 9.755 |
| 2 | 08:06:26 | 91% | -0.045 | -0.033 | 1.306 | 1.112 | 1.220 | 87% | 9.710 |
| 3 | 08:07:34 | 91% | -0.044 | -0.030 | 1.190 | 1.098 | 1.160 | 88% | 9.469 |
| x | | 90% | -0.045 | -0.033 | 1.253 | 1.145 | 1.204 | 87% | 9.645 |
| σ | | 2% | 0.000 | 0.002 | 0.059 | 0.068 | 0.039 | 1% | 0.153 |
| %RSD | | 2 | 0.799 | 7.003 | 4.673 | 5.974 | 3.209 | 1 | 1.590 |

**C1867-06X25 MF3T84** 05/01/2011 08:12:05 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:13:13 | 93% | -0.107 | 64.360 | 0.000 | 14580.000 | 3493.000 | 3410.000 | 3380.000 | 0.109 |
| 2 | 08:14:21 | 93% | -0.135 | 57.810 | 0.000 | 14560.000 | 3489.000 | 3368.000 | 3418.000 | -0.047 |
| 3 | 08:15:29 | 92% | -0.107 | 71.770 | 0.000 | 14890.000 | 3581.000 | 3462.000 | 3500.000 | 0.111 |
| x | | 92% | -0.116 | 64.650 | 0.000 | 14680.000 | 3521.000 | 3413.000 | 3433.000 | 0.058 |
| σ | | 1% | 0.016 | 6.981 | 0.000 | 184.400 | 51.920 | 46.920 | 61.350 | 0.091 |
| %RSD | | 1 | 13.820 | 10.800 | 0.000 | 1.257 | 1.475 | 1.375 | 1.787 | 158.100 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:13:13 | 1199.000 | 5.254 | 0.000 | 0.000 | 287.300 | 13540.000 | 14500.000 | 95% | -0.849 |
| 2 | 08:14:21 | 1163.000 | 1.841 | 0.000 | 0.000 | 282.100 | 13560.000 | 14380.000 | 96% | -0.821 |
| 3 | 08:15:29 | 1189.000 | 4.988 | 0.000 | 0.000 | 294.900 | 13960.000 | 14740.000 | 94% | -0.785 |
| x | | 1184.000 | 4.028 | 0.000 | 0.000 | 288.100 | 13690.000 | 14540.000 | 95% | -0.818 |
| σ | | 18.380 | 1.899 | 0.000 | 0.000 | 6.439 | 240.200 | 184.300 | 1% | 0.032 |
| %RSD | | 1.552 | 47.140 | 0.000 | 0.000 | 2.235 | 1.755 | 1.267 | 1 | 3.920 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:13:13 | 1.352 | 0.171 | 37.210 | 2.918 | -0.007 | 1.602 | 37.790 | -0.062 | 0.180 |
| 2 | 08:14:21 | 1.276 | 0.132 | 35.380 | 3.352 | -0.006 | 1.865 | 34.870 | -0.053 | 0.109 |
| 3 | 08:15:29 | 1.935 | 0.157 | 33.600 | 4.507 | -0.006 | 2.483 | 38.350 | -0.062 | 0.100 |
| x | | 1.521 | 0.153 | 35.400 | 3.593 | -0.006 | 1.983 | 37.000 | -0.059 | 0.130 |
| σ | | 0.360 | 0.020 | 1.803 | 0.821 | 0.001 | 0.453 | 1.868 | 0.005 | 0.044 |
| %RSD | | 23.690 | 12.920 | 5.093 | 22.860 | 14.900 | 22.820 | 5.050 | 8.188 | 33.720 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:13:13 | 0.370 | 0.282 | 0.844 | 0.435 | 0.820 | 0.173 | -0.243 | 0.819 | 1.318 |
| 2 | 08:14:21 | 0.418 | 0.311 | 0.796 | 0.145 | 0.472 | 0.192 | 0.344 | 0.472 | 0.975 |
| 3 | 08:15:29 | 0.385 | 0.461 | 0.639 | 0.048 | -0.180 | 0.216 | 0.299 | -0.180 | 2.623 |
| x | | 0.391 | 0.351 | 0.760 | 0.210 | 0.371 | 0.193 | 0.133 | 0.370 | 1.639 |
| σ | | 0.025 | 0.096 | 0.107 | 0.201 | 0.508 | 0.022 | 0.327 | 0.507 | 0.869 |
| %RSD | | 6.292 | 27.390 | 14.080 | 96.110 | 137.000 | 11.240 | 245.500 | 136.900 | 53.060 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:13:13 | 0.048 | 0.012 | 0.057 | 0.045 | 0.067 | 0.002 | 96% | -0.045 | -0.030 |
| 2 | 08:14:21 | -0.008 | 0.017 | 0.028 | 0.059 | 0.058 | 0.012 | 96% | -0.192 | -0.027 |
| 3 | 08:15:29 | -0.022 | 0.032 | 0.033 | -0.000 | 0.033 | -0.001 | 95% | -0.877 | -0.020 |
| x | | 0.006 | 0.020 | 0.039 | 0.035 | 0.053 | 0.005 | 96% | -0.372 | -0.025 |
| σ | | 0.037 | 0.011 | 0.016 | 0.031 | 0.018 | 0.007 | 1% | 0.444 | 0.005 |
| %RSD | | 611.300 | 51.370 | 40.200 | 89.500 | 33.140 | 154.700 | 1 | 119.600 | 19.030 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:13:13 | -0.022 | -0.048 | -0.025 | -0.073 | -0.060 | -0.050 | 1.516 | 1.604 | 97% |
| 2 | 08:14:21 | 0.059 | -0.195 | -0.027 | -0.070 | -0.056 | -0.052 | 1.705 | 1.592 | 97% |
| 3 | 08:15:29 | 0.438 | -0.883 | -0.022 | -0.125 | -0.079 | -0.055 | 1.759 | 1.481 | 97% |
| x | | 0.159 | -0.375 | -0.024 | -0.089 | -0.065 | -0.052 | 1.660 | 1.559 | 97% |
| σ | | 0.246 | 0.446 | 0.002 | 0.031 | 0.013 | 0.002 | 0.128 | 0.068 | 0% |
| %RSD | | 154.900 | 118.800 | 10.070 | 34.330 | 19.240 | 4.624 | 7.683 | 4.366 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:13:13 | 98% | -0.057 | -0.049 | -0.023 | -0.015 | -0.021 | 97% | 0.287 |
| 2 | 08:14:21 | 98% | -0.048 | -0.048 | -0.017 | -0.017 | -0.012 | 97% | 0.285 |
| 3 | 08:15:29 | 97% | -0.052 | -0.047 | -0.029 | -0.010 | -0.018 | 97% | 0.287 |
| x | | 98% | -0.052 | -0.048 | -0.023 | -0.014 | -0.017 | 97% | 0.286 |
| σ | | 0% | 0.004 | 0.001 | 0.006 | 0.004 | 0.005 | 0% | 0.001 |
| %RSD | | 0 | 8.494 | 2.245 | 26.150 | 27.200 | 26.370 | 0 | 0.413 |

**C1867-07X25 MF3T91** 05/01/2011 08:20:00 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:21:08 | 96% | -0.118 | 70.930 | 0.000 | 15440.000 | 2940.000 | 2823.000 | 2849.000 | 0.089 |
| 2 | 08:22:16 | 96% | -0.136 | 70.830 | 0.000 | 15370.000 | 2922.000 | 2830.000 | 2864.000 | -0.075 |
| 3 | 08:23:24 | 96% | -0.127 | 83.080 | 0.000 | 15780.000 | 2990.000 | 2893.000 | 2884.000 | -0.014 |
| x | | 96% | -0.127 | 74.950 | 0.000 | 15530.000 | 2951.000 | 2849.000 | 2866.000 | 0.000 |
| σ | | 0% | 0.009 | 7.047 | 0.000 | 217.300 | 35.280 | 38.520 | 17.430 | 0.083 |
| %RSD | | 0 | 7.050 | 9.402 | 0.000 | 1.399 | 1.196 | 1.352 | 0.608 | 141100.000 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:21:08 | 1037.000 | -3.247 | 0.000 | 0.000 | 252.300 | 8475.000 | 8968.000 | 96% | -0.910 |
| 2 | 08:22:16 | 1053.000 | 2.348 | 0.000 | 0.000 | 248.900 | 8448.000 | 8956.000 | 97% | -0.738 |
| 3 | 08:23:24 | 1069.000 | 1.445 | 0.000 | 0.000 | 253.600 | 8449.000 | 9222.000 | 95% | -0.790 |
| x | | 1053.000 | 0.182 | 0.000 | 0.000 | 251.600 | 8458.000 | 9049.000 | 96% | -0.812 |
| σ | | 15.610 | 3.004 | 0.000 | 0.000 | 2.430 | 15.270 | 150.600 | 1% | 0.088 |
| %RSD | | 1.482 | 1652.000 | 0.000 | 0.000 | 0.966 | 0.181 | 1.664 | 1 | 10.840 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:21:08 | 2.612 | 0.087 | 24.950 | 1.029 | -0.000 | 1.254 | 25.890 | -0.034 | 0.040 |
| 2 | 08:22:16 | 2.069 | 0.073 | 25.590 | 0.281 | -0.004 | 0.366 | 19.760 | -0.049 | 0.030 |
| 3 | 08:23:24 | 1.653 | 0.149 | 25.860 | 3.581 | -0.031 | 1.457 | 21.430 | -0.036 | 0.019 |
| x | | 2.111 | 0.103 | 25.470 | 1.630 | -0.012 | 1.026 | 22.360 | -0.040 | 0.030 |
| σ | | 0.481 | 0.040 | 0.465 | 1.730 | 0.017 | 0.581 | 3.169 | 0.008 | 0.011 |
| %RSD | | 22.790 | 39.100 | 1.827 | 106.100 | 142.800 | 56.600 | 14.170 | 20.460 | 35.610 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:21:08 | -0.012 | 0.134 | -0.213 | 0.228 | 1.388 | 0.136 | 0.238 | 1.386 | -2.190 |
| 2 | 08:22:16 | 0.048 | 0.043 | -0.049 | 0.650 | 1.334 | 0.082 | 1.231 | 1.331 | -1.743 |
| 3 | 08:23:24 | 0.032 | 0.092 | -0.177 | 0.696 | 1.206 | 0.085 | 0.344 | 1.204 | -2.697 |
| x | | 0.023 | 0.090 | -0.146 | 0.524 | 1.309 | 0.101 | 0.604 | 1.307 | -2.210 |
| σ | | 0.031 | 0.045 | 0.086 | 0.258 | 0.093 | 0.030 | 0.546 | 0.093 | 0.477 |
| %RSD | | 137.200 | 50.420 | 58.930 | 49.190 | 7.136 | 30.130 | 90.290 | 7.132 | 21.590 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:21:08 | -0.018 | 0.060 | 0.049 | 0.036 | 0.044 | -0.001 | 96% | 0.859 | -0.020 |
| 2 | 08:22:16 | 0.011 | 0.039 | 0.031 | 0.005 | 0.014 | 0.006 | 97% | 0.197 | -0.023 |
| 3 | 08:23:24 | -0.023 | 0.008 | 0.066 | 0.053 | 0.018 | -0.001 | 95% | -0.028 | -0.025 |
| x | | -0.010 | 0.036 | 0.048 | 0.031 | 0.025 | 0.001 | 96% | 0.343 | -0.023 |
| σ | | 0.018 | 0.026 | 0.018 | 0.024 | 0.016 | 0.004 | 1% | 0.461 | 0.002 |
| %RSD | | 182.900 | 73.810 | 36.810 | 77.420 | 63.510 | 340.100 | 1 | 134.600 | 10.410 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:21:08 | -0.520 | 0.856 | -0.014 | -0.018 | -0.064 | -0.056 | 0.680 | 0.760 | 98% |
| 2 | 08:22:16 | -0.156 | 0.196 | -0.022 | -0.052 | -0.083 | -0.052 | 0.739 | 0.737 | 98% |
| 3 | 08:23:24 | 0.019 | -0.031 | -0.020 | -0.072 | -0.064 | -0.055 | 0.895 | 0.794 | 97% |
| x | | -0.219 | 0.341 | -0.019 | -0.047 | -0.070 | -0.054 | 0.772 | 0.764 | 98% |
| σ | | 0.275 | 0.461 | 0.004 | 0.027 | 0.011 | 0.002 | 0.111 | 0.029 | 1% |
| %RSD | | 125.500 | 135.300 | 22.670 | 57.240 | 15.480 | 4.286 | 14.360 | 3.808 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:21:08 | 99% | -0.046 | -0.048 | -0.065 | -0.046 | -0.051 | 98% | 0.430 |
| 2 | 08:22:16 | 98% | -0.054 | -0.046 | -0.064 | -0.046 | -0.053 | 98% | 0.401 |
| 3 | 08:23:24 | 97% | -0.053 | -0.048 | -0.066 | -0.041 | -0.052 | 98% | 0.433 |
| x | | 98% | -0.051 | -0.047 | -0.065 | -0.044 | -0.052 | 98% | 0.421 |
| σ | | 1% | 0.005 | 0.001 | 0.001 | 0.003 | 0.001 | 0% | 0.018 |
| %RSD | | 1 | 9.125 | 2.568 | 1.421 | 6.883 | 1.979 | 0 | 4.157 |

**C1867-08X25 MF3TC2** 05/01/2011 08:27:55 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:29:04 | 98% | -0.119 | 51.980 | 0.000 | 10710.000 | 3170.000 | 3060.000 | 3053.000 | -0.304 |
| 2 | 08:30:12 | 96% | -0.127 | 51.810 | 0.000 | 11080.000 | 3247.000 | 3127.000 | 3121.000 | -0.269 |
| 3 | 08:31:20 | 97% | -0.110 | 48.520 | 0.000 | 11000.000 | 3220.000 | 3100.000 | 3143.000 | -0.276 |
| x | | 97% | -0.118 | 50.770 | 0.000 | 10930.000 | 3212.000 | 3096.000 | 3106.000 | -0.283 |
| σ | | 1% | 0.009 | 1.953 | 0.000 | 195.900 | 39.220 | 33.520 | 46.400 | 0.019 |
| %RSD | | 1 | 7.336 | 3.847 | 0.000 | 1.793 | 1.221 | 1.083 | 1.494 | 6.538 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:29:04 | 917.600 | -1.759 | 0.000 | 0.000 | 348.000 | 12300.000 | 12940.000 | 97% | -0.854 |
| 2 | 08:30:12 | 959.900 | 5.455 | 0.000 | 0.000 | 351.200 | 12480.000 | 13220.000 | 97% | -0.766 |
| 3 | 08:31:20 | 956.300 | 0.919 | 0.000 | 0.000 | 349.400 | 12540.000 | 13300.000 | 98% | -0.769 |
| x | | 944.600 | 1.538 | 0.000 | 0.000 | 349.500 | 12440.000 | 13160.000 | 97% | -0.796 |
| σ | | 23.460 | 3.647 | 0.000 | 0.000 | 1.621 | 122.000 | 189.900 | 0% | 0.050 |
| %RSD | | 2.484 | 237.100 | 0.000 | 0.000 | 0.464 | 0.981 | 1.444 | 0 | 6.229 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:29:04 | 0.807 | 0.372 | 21.110 | 1.255 | -0.079 | 1.056 | 43.560 | -0.043 | -0.016 |
| 2 | 08:30:12 | 1.815 | 0.332 | 19.340 | 2.157 | -0.078 | 1.727 | 36.460 | -0.011 | 0.075 |
| 3 | 08:31:20 | 0.549 | 0.292 | 20.470 | 0.347 | -0.072 | 1.560 | 39.350 | -0.017 | 0.036 |
| x | | 1.057 | 0.332 | 20.310 | 1.253 | -0.076 | 1.448 | 39.790 | -0.024 | 0.032 |
| σ | | 0.669 | 0.040 | 0.895 | 0.905 | 0.004 | 0.350 | 3.573 | 0.017 | 0.046 |
| %RSD | | 63.330 | 12.080 | 4.406 | 72.230 | 5.201 | 24.150 | 8.980 | 72.610 | 142.800 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:29:04 | -0.111 | -0.093 | -0.185 | 0.515 | 1.108 | 0.062 | 0.843 | 1.106 | -2.304 |
| 2 | 08:30:12 | -0.164 | -0.031 | -0.177 | 0.139 | 0.542 | 0.126 | 0.022 | 0.542 | 0.267 |
| 3 | 08:31:20 | -0.120 | -0.019 | -0.194 | -0.042 | 1.109 | 0.169 | -0.011 | 1.109 | 0.849 |
| x | | -0.132 | -0.048 | -0.185 | 0.204 | 0.920 | 0.119 | 0.285 | 0.919 | -0.396 |
| σ | | 0.029 | 0.040 | 0.009 | 0.284 | 0.327 | 0.054 | 0.484 | 0.327 | 1.677 |
| %RSD | | 21.780 | 83.730 | 4.723 | 139.100 | 35.520 | 45.360 | 170.100 | 35.550 | 423.400 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:29:04 | -0.049 | -0.003 | 0.006 | -0.002 | -0.017 | 0.009 | 97% | -0.450 | -0.027 |
| 2 | 08:30:12 | -0.019 | -0.003 | -0.006 | -0.017 | -0.009 | -0.001 | 97% | -0.373 | -0.023 |
| 3 | 08:31:20 | -0.039 | 0.002 | 0.002 | -0.002 | -0.014 | 0.002 | 97% | -0.611 | -0.028 |
| x | | -0.035 | -0.001 | 0.001 | -0.007 | -0.013 | 0.003 | 97% | -0.478 | -0.026 |
| σ | | 0.015 | 0.003 | 0.006 | 0.009 | 0.004 | 0.005 | 0% | 0.121 | 0.002 |
| %RSD | | 43.160 | 217.200 | 1203.000 | 121.700 | 32.710 | 151.300 | 0 | 25.320 | 9.094 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:29:04 | 0.201 | -0.452 | -0.023 | -0.092 | -0.083 | -0.060 | 1.012 | 1.196 | 98% |
| 2 | 08:30:12 | 0.158 | -0.374 | -0.017 | -0.081 | -0.094 | -0.060 | 0.982 | 1.141 | 97% |
| 3 | 08:31:20 | 0.290 | -0.615 | -0.027 | -0.108 | -0.082 | -0.058 | 1.079 | 1.113 | 98% |
| x | | 0.216 | -0.480 | -0.022 | -0.093 | -0.086 | -0.059 | 1.024 | 1.150 | 98% |
| σ | | 0.067 | 0.123 | 0.005 | 0.014 | 0.007 | 0.001 | 0.050 | 0.042 | 0% |
| %RSD | | 31.180 | 25.500 | 21.570 | 14.620 | 7.899 | 1.623 | 4.852 | 3.673 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:29:04 | 98% | -0.058 | -0.043 | -0.076 | -0.063 | -0.070 | 98% | 0.463 |
| 2 | 08:30:12 | 98% | -0.050 | -0.045 | -0.077 | -0.071 | -0.073 | 98% | 0.477 |
| 3 | 08:31:20 | 97% | -0.054 | -0.045 | -0.078 | -0.077 | -0.072 | 98% | 0.486 |
| x | | 98% | -0.054 | -0.044 | -0.077 | -0.070 | -0.072 | 98% | 0.475 |
| σ | | 1% | 0.004 | 0.001 | 0.001 | 0.007 | 0.001 | 0% | 0.012 |
| %RSD | | 1 | 7.414 | 2.539 | 1.915 | 9.720 | 1.446 | 0 | 2.504 |

**C1867-09X25 MF3T58** 05/01/2011 08:35:52 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:36:59 | 97% | -0.118 | 45.860 | 0.000 | 10910.000 | 2821.000 | 2682.000 | 2717.000 | 0.404 |
| 2 | 08:38:07 | 96% | -0.145 | 53.260 | 0.000 | 11110.000 | 2831.000 | 2721.000 | 2758.000 | 0.353 |
| 3 | 08:39:15 | 98% | -0.119 | 53.010 | 0.000 | 10960.000 | 2803.000 | 2724.000 | 2739.000 | 0.281 |
| x | | 97% | -0.127 | 50.710 | 0.000 | 10990.000 | 2818.000 | 2709.000 | 2738.000 | 0.346 |
| σ | | 1% | 0.015 | 4.202 | 0.000 | 100.300 | 14.330 | 23.430 | 20.700 | 0.062 |
| %RSD | | 1 | 11.820 | 8.286 | 0.000 | 0.913 | 0.509 | 0.865 | 0.756 | 17.940 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:36:59 | 944.500 | 3.131 | 0.000 | 0.000 | 370.800 | 11180.000 | 11900.000 | 96% | -0.881 |
| 2 | 08:38:07 | 951.700 | -0.024 | 0.000 | 0.000 | 369.000 | 10860.000 | 11830.000 | 97% | -0.824 |
| 3 | 08:39:15 | 935.000 | -3.763 | 0.000 | 0.000 | 366.000 | 11150.000 | 11820.000 | 97% | -0.853 |
| x | | 943.700 | -0.219 | 0.000 | 0.000 | 368.600 | 11060.000 | 11850.000 | 97% | -0.853 |
| σ | | 8.372 | 3.451 | 0.000 | 0.000 | 2.410 | 174.600 | 41.800 | 0% | 0.029 |
| %RSD | | 0.887 | 1577.000 | 0.000 | 0.000 | 0.654 | 1.578 | 0.353 | 0 | 3.374 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:36:59 | 2.603 | 0.770 | 16.720 | 1.052 | 5.795 | 2.238 | 36.510 | -0.021 | 0.085 |
| 2 | 08:38:07 | 2.362 | 0.792 | 16.850 | -0.091 | 5.811 | 2.033 | 37.940 | -0.013 | 0.137 |
| 3 | 08:39:15 | 1.787 | 0.767 | 16.920 | 1.259 | 5.971 | 2.984 | 35.330 | -0.028 | 0.060 |
| x | | 2.251 | 0.777 | 16.830 | 0.740 | 5.859 | 2.418 | 36.590 | -0.021 | 0.094 |
| σ | | 0.420 | 0.014 | 0.100 | 0.727 | 0.097 | 0.500 | 1.307 | 0.007 | 0.039 |
| %RSD | | 18.640 | 1.741 | 0.594 | 98.260 | 1.659 | 20.680 | 3.572 | 35.220 | 41.690 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:36:59 | 0.024 | 0.065 | 0.589 | 0.100 | 0.472 | 0.137 | 0.519 | 0.471 | 0.684 |
| 2 | 08:38:07 | 0.064 | 0.088 | 0.703 | 0.286 | 0.317 | 0.088 | -1.025 | 0.317 | -1.114 |
| 3 | 08:39:15 | -0.003 | 0.149 | 0.666 | 0.153 | 0.504 | 0.116 | 0.042 | 0.503 | -1.463 |
| x | | 0.028 | 0.101 | 0.653 | 0.180 | 0.431 | 0.114 | -0.155 | 0.430 | -0.631 |
| σ | | 0.034 | 0.044 | 0.059 | 0.096 | 0.100 | 0.024 | 0.791 | 0.100 | 1.152 |
| %RSD | | 119.400 | 43.270 | 8.965 | 53.440 | 23.180 | 21.500 | 511.200 | 23.170 | 182.500 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:36:59 | -0.038 | 0.003 | -0.031 | -0.024 | -0.005 | 0.002 | 96% | 0.953 | -0.027 |
| 2 | 08:38:07 | 0.027 | -0.012 | 0.023 | -0.002 | 0.017 | 0.002 | 97% | 0.039 | -0.023 |
| 3 | 08:39:15 | -0.009 | -0.003 | -0.011 | 0.005 | 0.031 | 0.002 | 98% | -0.395 | -0.022 |
| x | | -0.007 | -0.004 | -0.006 | -0.007 | 0.014 | 0.002 | 97% | 0.199 | -0.024 |
| σ | | 0.032 | 0.007 | 0.027 | 0.015 | 0.018 | 0.000 | 1% | 0.688 | 0.002 |
| %RSD | | 472.400 | 173.500 | 434.800 | 215.400 | 126.600 | 1.275 | 1 | 345.600 | 9.744 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:36:59 | -0.523 | 0.954 | -0.019 | -0.017 | -0.062 | -0.061 | 0.867 | 0.789 | 96% |
| 2 | 08:38:07 | -0.069 | 0.038 | -0.023 | -0.068 | -0.059 | -0.056 | 0.594 | 0.653 | 97% |
| 3 | 08:39:15 | 0.220 | -0.397 | -0.023 | -0.094 | -0.081 | -0.058 | 0.775 | 0.756 | 98% |
| x | | -0.124 | 0.198 | -0.022 | -0.060 | -0.067 | -0.059 | 0.745 | 0.733 | 97% |
| σ | | 0.374 | 0.689 | 0.003 | 0.039 | 0.012 | 0.002 | 0.139 | 0.071 | 1% |
| %RSD | | 301.600 | 347.700 | 12.830 | 65.110 | 18.010 | 4.035 | 18.610 | 9.713 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:36:59 | 98% | -0.050 | -0.038 | -0.036 | -0.029 | -0.030 | 97% | 0.520 |
| 2 | 08:38:07 | 98% | -0.048 | -0.045 | -0.034 | -0.034 | -0.034 | 99% | 0.518 |
| 3 | 08:39:15 | 98% | -0.050 | -0.039 | -0.027 | -0.031 | -0.024 | 99% | 0.507 |
| x | | 98% | -0.050 | -0.041 | -0.032 | -0.031 | -0.029 | 98% | 0.515 |
| σ | | 0% | 0.001 | 0.004 | 0.005 | 0.002 | 0.005 | 1% | 0.007 |
| %RSD | | 0 | 2.692 | 9.010 | 14.810 | 7.871 | 17.840 | 1 | 1.332 |

**C1867-10X25 MF3T87** 05/01/2011 08:43:48 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:44:56 | 96% | -0.154 | 44.010 | 0.000 | 9598.000 | 1725.000 | 1673.000 | 1676.000 | -0.008 |
| 2 | 08:46:04 | 96% | -0.136 | 41.760 | 0.000 | 9609.000 | 1734.000 | 1669.000 | 1693.000 | 0.008 |
| 3 | 08:47:12 | 96% | -0.118 | 41.690 | 0.000 | 9584.000 | 1735.000 | 1665.000 | 1692.000 | 0.160 |
| x | | 96% | -0.136 | 42.490 | 0.000 | 9597.000 | 1731.000 | 1669.000 | 1687.000 | 0.053 |
| σ | | 0% | 0.018 | 1.317 | 0.000 | 12.410 | 5.360 | 4.173 | 9.471 | 0.092 |
| %RSD | | 0 | 13.090 | 3.099 | 0.000 | 0.129 | 0.310 | 0.250 | 0.561 | 173.600 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:44:56 | 881.000 | -0.830 | 0.000 | 0.000 | 247.600 | 6785.000 | 7217.000 | 97% | -0.912 |
| 2 | 08:46:04 | 864.900 | -1.138 | 0.000 | 0.000 | 256.500 | 6891.000 | 7337.000 | 95% | -0.878 |
| 3 | 08:47:12 | 882.500 | 2.049 | 0.000 | 0.000 | 251.500 | 6947.000 | 7189.000 | 96% | -0.880 |
| x | | 876.100 | 0.027 | 0.000 | 0.000 | 251.900 | 6874.000 | 7248.000 | 96% | -0.890 |
| σ | | 9.765 | 1.758 | 0.000 | 0.000 | 4.429 | 82.520 | 78.770 | 1% | 0.019 |
| %RSD | | 1.115 | 6500.000 | 0.000 | 0.000 | 1.759 | 1.200 | 1.087 | 1 | 2.157 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:44:56 | 1.045 | 0.107 | 14.650 | 3.477 | 0.020 | 4.741 | 21.920 | 0.007 | 0.037 |
| 2 | 08:46:04 | 0.771 | 0.145 | 16.370 | 5.736 | -0.004 | 5.995 | 20.520 | -0.001 | -0.004 |
| 3 | 08:47:12 | 1.043 | 0.128 | 15.020 | 4.697 | 0.003 | 5.229 | 27.970 | -0.005 | 0.117 |
| x | | 0.953 | 0.127 | 15.350 | 4.637 | 0.006 | 5.322 | 23.470 | 0.000 | 0.050 |
| σ | | 0.158 | 0.019 | 0.903 | 1.131 | 0.013 | 0.632 | 3.962 | 0.006 | 0.061 |
| %RSD | | 16.580 | 15.360 | 5.883 | 24.390 | 198.800 | 11.870 | 16.880 | 1723.000 | 123.200 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:44:56 | 0.707 | 0.793 | 0.792 | 0.035 | 0.127 | 0.113 | 0.353 | 0.126 | -0.603 |
| 2 | 08:46:04 | 0.684 | 0.648 | 0.974 | 0.151 | 0.781 | 0.102 | -0.049 | 0.779 | 0.152 |
| 3 | 08:47:12 | 0.702 | 0.649 | 0.867 | 0.485 | 0.204 | 0.034 | 0.300 | 0.204 | -0.197 |
| x | | 0.697 | 0.697 | 0.878 | 0.224 | 0.371 | 0.083 | 0.202 | 0.370 | -0.216 |
| σ | | 0.012 | 0.083 | 0.092 | 0.234 | 0.358 | 0.043 | 0.219 | 0.357 | 0.378 |
| %RSD | | 1.751 | 11.970 | 10.450 | 104.500 | 96.470 | 51.580 | 108.600 | 96.440 | 175.100 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:44:56 | 0.066 | 0.016 | 0.010 | 0.020 | 0.008 | -0.001 | 97% | 0.543 | -0.023 |
| 2 | 08:46:04 | 0.109 | -0.026 | 0.028 | -0.001 | 0.030 | -0.001 | 96% | 0.009 | -0.022 |
| 3 | 08:47:12 | 0.032 | 0.017 | 0.027 | -0.047 | 0.009 | 0.002 | 96% | 0.190 | -0.028 |
| x | | 0.069 | 0.002 | 0.022 | -0.009 | 0.016 | 0.000 | 96% | 0.247 | -0.024 |
| σ | | 0.038 | 0.025 | 0.010 | 0.034 | 0.012 | 0.002 | 1% | 0.272 | 0.003 |
| %RSD | | 55.570 | 1171.000 | 46.570 | 369.000 | 76.830 | 5809.000 | 1 | 110.000 | 13.320 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:44:56 | -0.348 | 0.545 | -0.019 | -0.037 | -0.067 | -0.066 | 1.705 | 1.523 | 97% |
| 2 | 08:46:04 | -0.051 | 0.005 | -0.023 | -0.070 | -0.084 | -0.063 | 1.680 | 1.657 | 98% |
| 3 | 08:47:12 | -0.152 | 0.188 | -0.025 | -0.053 | -0.064 | -0.050 | 1.554 | 1.658 | 97% |
| x | | -0.184 | 0.246 | -0.022 | -0.053 | -0.072 | -0.060 | 1.646 | 1.613 | 98% |
| σ | | 0.151 | 0.275 | 0.003 | 0.017 | 0.011 | 0.009 | 0.081 | 0.077 | 0% |
| %RSD | | 82.280 | 111.500 | 14.660 | 31.410 | 15.020 | 14.290 | 4.905 | 4.800 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:44:56 | 97% | -0.050 | -0.044 | -0.035 | -0.020 | -0.027 | 98% | 0.316 |
| 2 | 08:46:04 | 98% | -0.051 | -0.045 | -0.035 | -0.019 | -0.031 | 99% | 0.316 |
| 3 | 08:47:12 | 98% | -0.056 | -0.045 | -0.020 | -0.036 | -0.033 | 98% | 0.315 |
| x | | 98% | -0.052 | -0.045 | -0.030 | -0.025 | -0.030 | 98% | 0.316 |
| σ | | 0% | 0.003 | 0.001 | 0.008 | 0.009 | 0.003 | 0% | 0.000 |
| %RSD | | 0 | 6.360 | 2.072 | 27.940 | 37.590 | 10.760 | 0 | 0.098 |

**CCV** 05/01/2011 08:51:42 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:52:50 | 84% | 510.900 | 502.900 | 0.000 | 51220.000 | 51440.000 | 50700.000 | 50540.000 | 10210.000 |
| 2 | 08:53:58 | 84% | 506.700 | 478.200 | 0.000 | 50740.000 | 51370.000 | 51050.000 | 51460.000 | 10180.000 |
| 3 | 08:55:06 | 84% | 497.100 | 496.000 | 0.000 | 50600.000 | 50550.000 | 50490.000 | 50150.000 | 10100.000 |
| x | | 84% | 504.900 | 492.400 | 0.000 | 50850.000 | 51120.000 | 50750.000 | 50720.000 | 10160.000 |
| σ | | 0% | 7.067 | 12.730 | 0.000 | 325.000 | 496.500 | 285.000 | 672.700 | 59.040 |
| %RSD | | 0 | 1.400 | 2.584 | 0.000 | 0.639 | 0.971 | 0.562 | 1.326 | 0.581 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:52:50 | 508.500 | 10060.000 | 0.000 | 0.000 | 25480.000 | 51540.000 | 48530.000 | 85% | 491.000 |
| 2 | 08:53:58 | 509.000 | 10130.000 | 0.000 | 0.000 | 25720.000 | 51500.000 | 49980.000 | 84% | 502.000 |
| 3 | 08:55:06 | 519.000 | 10010.000 | 0.000 | 0.000 | 25650.000 | 50840.000 | 48420.000 | 85% | 498.600 |
| x | | 512.200 | 10070.000 | 0.000 | 0.000 | 25620.000 | 51290.000 | 48980.000 | 85% | 497.200 |
| σ | | 5.907 | 61.230 | 0.000 | 0.000 | 124.600 | 395.300 | 871.000 | 1% | 5.641 |
| %RSD | | 1.153 | 0.608 | 0.000 | 0.000 | 0.487 | 0.771 | 1.778 | 1 | 1.135 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:52:50 | 495.300 | 494.400 | 18.710 | 25500.000 | 994.400 | 25340.000 | 25260.000 | 492.500 | 499.400 |
| 2 | 08:53:58 | 504.600 | 506.400 | 14.590 | 26170.000 | 1026.000 | 25610.000 | 25900.000 | 503.400 | 515.400 |
| 3 | 08:55:06 | 498.500 | 497.600 | 12.630 | 25460.000 | 986.800 | 24710.000 | 25060.000 | 487.100 | 494.500 |
| x | | 499.500 | 499.500 | 15.310 | 25710.000 | 1002.000 | 25220.000 | 25410.000 | 494.300 | 503.100 |
| σ | | 4.703 | 6.210 | 3.101 | 402.200 | 20.640 | 462.900 | 441.400 | 8.299 | 10.950 |
| %RSD | | 0.942 | 1.243 | 20.260 | 1.564 | 2.060 | 1.836 | 1.737 | 1.679 | 2.176 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:52:50 | 1000.000 | 997.000 | 995.200 | 491.800 | 495.500 | -0.766 | 498.500 | 494.600 | 2.579 |
| 2 | 08:53:58 | 1005.000 | 1014.000 | 1010.000 | 505.500 | 505.100 | -1.293 | 503.500 | 504.800 | 3.529 |
| 3 | 08:55:06 | 981.600 | 980.900 | 976.300 | 490.400 | 488.000 | -1.486 | 489.400 | 486.800 | 1.594 |
| x | | 995.500 | 997.400 | 993.800 | 495.900 | 496.200 | -1.182 | 497.100 | 495.400 | 2.568 |
| σ | | 12.290 | 16.700 | 16.900 | 8.310 | 8.616 | 0.373 | 7.119 | 9.020 | 0.968 |
| %RSD | | 1.234 | 1.674 | 1.701 | 1.676 | 1.737 | 31.520 | 1.432 | 1.821 | 37.690 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:52:50 | 484.000 | 486.700 | 484.700 | 488.900 | 486.700 | 0.007 | 85% | 502.700 | 496.500 |
| 2 | 08:53:58 | 504.000 | 505.500 | 502.600 | 502.800 | 503.300 | 0.011 | 83% | 514.100 | 512.300 |
| 3 | 08:55:06 | 483.300 | 483.100 | 486.000 | 482.500 | 483.500 | 0.003 | 86% | 487.000 | 491.000 |
| x | | 490.400 | 491.700 | 491.100 | 491.400 | 491.200 | 0.007 | 85% | 501.300 | 499.900 |
| σ | | 11.740 | 12.030 | 9.968 | 10.410 | 10.620 | 0.004 | 1% | 13.600 | 11.060 |
| %RSD | | 2.393 | 2.447 | 2.030 | 2.119 | 2.162 | 59.760 | 2 | 2.713 | 2.211 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:52:50 | -2.394 | 503.000 | 494.100 | 491.800 | 429.000 | 487.400 | 2445.000 | 2484.000 | 91% |
| 2 | 08:53:58 | -4.020 | 514.100 | 510.200 | 497.700 | 438.800 | 506.200 | 2531.000 | 2534.000 | 90% |
| 3 | 08:55:06 | -0.161 | 487.000 | 488.900 | 482.600 | 419.100 | 483.600 | 2437.000 | 2441.000 | 93% |
| x | | -2.192 | 501.400 | 497.700 | 490.700 | 429.000 | 492.400 | 2471.000 | 2486.000 | 91% |
| σ | | 1.938 | 13.650 | 11.140 | 7.628 | 9.868 | 12.120 | 51.920 | 46.640 | 2% |
| %RSD | | 88.420 | 2.722 | 2.237 | 1.555 | 2.300 | 2.462 | 2.101 | 1.876 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 08:52:50 | 90% | 498.700 | 496.200 | 501.800 | 501.200 | 502.700 | 89% | 512.700 |
| 2 | 08:53:58 | 91% | 505.000 | 503.600 | 508.100 | 504.100 | 507.300 | 90% | 512.900 |
| 3 | 08:55:06 | 93% | 490.800 | 489.100 | 491.000 | 492.300 | 491.000 | 92% | 496.400 |
| x | | 92% | 498.200 | 496.300 | 500.300 | 499.200 | 500.400 | 90% | 507.300 |
| σ | | 1% | 7.099 | 7.281 | 8.667 | 6.156 | 8.414 | 1% | 9.459 |
| %RSD | | 1 | 1.425 | 1.467 | 1.732 | 1.233 | 1.682 | 1 | 1.864 |

**CCB** 05/01/2011 08:59:36 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:00:44 | 87% | 0.084 | 10.120 | 0.000 | 64.450 | 13.650 | 12.920 | 13.350 | 2.496 |
| 2 | 09:01:52 | 87% | 0.073 | 8.657 | 0.000 | 55.900 | 10.950 | 12.630 | 11.070 | 2.315 |
| 3 | 09:03:01 | 88% | -0.006 | 7.559 | 0.000 | 46.540 | 5.265 | 4.927 | 4.979 | 0.927 |
| x | | 87% | 0.050 | 8.777 | 0.000 | 55.630 | 9.954 | 10.160 | 9.799 | 1.913 |
| σ | | 0% | 0.049 | 1.283 | 0.000 | 8.959 | 4.279 | 4.534 | 4.328 | 0.858 |
| %RSD | | 0 | 98.090 | 14.620 | 0.000 | 16.100 | 42.990 | 44.630 | 44.160 | 44.870 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:00:44 | 2.593 | 10.340 | 0.000 | 0.000 | 29.760 | 8.256 | -37.520 | 86% | -0.529 |
| 2 | 09:01:52 | 2.099 | 6.383 | 0.000 | 0.000 | 24.300 | 17.540 | -38.960 | 88% | -0.826 |
| 3 | 09:03:01 | 1.246 | 4.487 | 0.000 | 0.000 | 18.000 | 9.402 | -43.990 | 89% | -0.703 |
| x | | 1.979 | 7.069 | 0.000 | 0.000 | 24.020 | 11.730 | -40.150 | 88% | -0.686 |
| σ | | 0.682 | 2.985 | 0.000 | 0.000 | 5.881 | 5.061 | 3.398 | 1% | 0.150 |
| %RSD | | 34.440 | 42.230 | 0.000 | 0.000 | 24.480 | 43.140 | 8.462 | 1 | 21.810 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:00:44 | -0.329 | 0.211 | 12.170 | 5.545 | 0.212 | 4.627 | 9.606 | 0.118 | 0.036 |
| 2 | 09:01:52 | 0.173 | 0.160 | 10.070 | 7.952 | 0.172 | 3.814 | 4.374 | 0.117 | -0.043 |
| 3 | 09:03:01 | -0.254 | 0.081 | 9.991 | 3.039 | 0.072 | 0.753 | 3.295 | 0.071 | -0.054 |
| x | | -0.137 | 0.151 | 10.750 | 5.512 | 0.152 | 3.064 | 5.758 | 0.102 | -0.020 |
| σ | | 0.271 | 0.066 | 1.238 | 2.457 | 0.072 | 2.043 | 3.375 | 0.027 | 0.049 |
| %RSD | | 198.500 | 43.490 | 11.520 | 44.570 | 47.360 | 66.660 | 58.620 | 26.400 | 245.000 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:00:44 | 0.157 | 0.276 | 0.048 | 0.109 | 0.060 | 0.044 | -0.127 | 0.060 | -1.160 |
| 2 | 09:01:52 | 0.126 | 0.179 | 0.019 | 0.031 | -1.020 | 0.086 | -0.811 | -1.018 | 4.544 |
| 3 | 09:03:01 | 0.014 | 0.120 | -0.207 | 0.133 | -0.024 | 0.038 | 0.077 | -0.024 | -0.865 |
| x | | 0.099 | 0.192 | -0.047 | 0.091 | -0.328 | 0.056 | -0.287 | -0.327 | 0.840 |
| σ | | 0.075 | 0.079 | 0.140 | 0.053 | 0.601 | 0.026 | 0.465 | 0.599 | 3.211 |
| %RSD | | 75.630 | 41.070 | 298.100 | 58.280 | 183.100 | 46.500 | 162.300 | 183.100 | 382.500 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:00:44 | 0.458 | 0.775 | 0.748 | 0.609 | 0.691 | 0.006 | 87% | 0.072 | 0.269 |
| 2 | 09:01:52 | 0.245 | 0.495 | 0.348 | 0.399 | 0.467 | -0.001 | 89% | 0.617 | 0.170 |
| 3 | 09:03:01 | 0.225 | 0.212 | 0.303 | 0.304 | 0.307 | -0.001 | 90% | -0.294 | 0.091 |
| x | | 0.309 | 0.494 | 0.466 | 0.437 | 0.489 | 0.001 | 89% | 0.131 | 0.176 |
| σ | | 0.129 | 0.282 | 0.245 | 0.156 | 0.193 | 0.004 | 1% | 0.458 | 0.089 |
| %RSD | | 41.720 | 57.040 | 52.620 | 35.640 | 39.480 | 308.700 | 2 | 348.700 | 50.510 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:00:44 | 0.026 | 0.065 | 0.207 | 0.104 | 0.313 | 0.569 | 0.593 | 0.760 | 91% |
| 2 | 09:01:52 | -0.223 | 0.612 | 0.132 | 0.055 | 0.213 | 0.436 | 0.453 | 0.516 | 92% |
| 3 | 09:03:01 | 0.170 | -0.300 | 0.091 | -0.022 | 0.172 | 0.277 | 0.149 | 0.294 | 92% |
| x | | -0.009 | 0.126 | 0.143 | 0.046 | 0.233 | 0.427 | 0.399 | 0.523 | 92% |
| σ | | 0.199 | 0.459 | 0.059 | 0.064 | 0.073 | 0.146 | 0.227 | 0.233 | 1% |
| %RSD | | 2242.000 | 365.200 | 41.060 | 139.500 | 31.270 | 34.130 | 56.900 | 44.560 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:00:44 | 90% | 0.236 | 0.225 | 0.097 | 0.118 | 0.102 | 92% | 0.122 |
| 2 | 09:01:52 | 92% | 0.160 | 0.152 | 0.056 | 0.079 | 0.071 | 94% | 0.107 |
| 3 | 09:03:01 | 94% | 0.054 | 0.066 | 0.030 | 0.008 | 0.014 | 96% | 0.050 |
| x | | 92% | 0.150 | 0.148 | 0.061 | 0.068 | 0.062 | 94% | 0.093 |
| σ | | 2% | 0.091 | 0.079 | 0.034 | 0.056 | 0.045 | 2% | 0.038 |
| %RSD | | 2 | 60.730 | 53.690 | 55.740 | 81.970 | 72.050 | 2 | 41.020 |

**C1867-11 MF3T88** 05/01/2011 09:07:30 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:08:38 | 87% | -0.006 | 896.900 | 0.000 | 209500.000 | 32200.000 | 31930.000 | 31890.000 | 3.322 |
| 2 | 09:09:46 | 85% | -0.062 | 974.400 | 0.000 | 219300.000 | 33860.000 | 33480.000 | 33200.000 | 2.722 |
| 3 | 09:10:54 | 86% | -0.024 | 960.400 | 0.000 | 211100.000 | 32800.000 | 32370.000 | 32230.000 | 2.912 |
| x | | 86% | -0.031 | 943.900 | 0.000 | 213300.000 | 32950.000 | 32590.000 | 32440.000 | 2.985 |
| σ | | 1% | 0.029 | 41.310 | 0.000 | 5277.000 | 838.300 | 800.500 | 683.000 | 0.306 |
| %RSD | | 1 | 94.350 | 4.377 | 0.000 | 2.474 | 2.544 | 2.456 | 2.106 | 10.260 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:08:38 | 16600.000 | 0.294 | 0.000 | 0.000 | 6509.000 | 132100.000 | 146600.000 | 86% | 0.486 |
| 2 | 09:09:46 | 17350.000 | 2.156 | 0.000 | 0.000 | 6821.000 | 139000.000 | 154700.000 | 85% | 0.579 |
| 3 | 09:10:54 | 16730.000 | 7.869 | 0.000 | 0.000 | 6582.000 | 134900.000 | 149700.000 | 87% | 0.316 |
| x | | 16890.000 | 3.439 | 0.000 | 0.000 | 6637.000 | 135300.000 | 150300.000 | 86% | 0.461 |
| σ | | 399.900 | 3.947 | 0.000 | 0.000 | 163.100 | 3466.000 | 4110.000 | 1% | 0.133 |
| %RSD | | 2.367 | 114.800 | 0.000 | 0.000 | 2.458 | 2.562 | 2.734 | 1 | 28.940 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:08:38 | 16.920 | 11.370 | 165.800 | 32.000 | 0.708 | 37.420 | 459.500 | 0.112 | 1.623 |
| 2 | 09:09:46 | 17.870 | 12.100 | 181.700 | 32.180 | 0.634 | 38.280 | 494.000 | 0.133 | 1.365 |
| 3 | 09:10:54 | 15.620 | 11.830 | 183.700 | 29.570 | 0.581 | 35.790 | 458.800 | 0.135 | 1.593 |
| x | | 16.810 | 11.770 | 177.100 | 31.250 | 0.641 | 37.160 | 470.800 | 0.127 | 1.527 |
| σ | | 1.129 | 0.369 | 9.779 | 1.458 | 0.064 | 1.263 | 20.120 | 0.013 | 0.141 |
| %RSD | | 6.717 | 3.139 | 5.523 | 4.665 | 9.950 | 3.398 | 4.273 | 9.894 | 9.247 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:08:38 | 7.724 | 8.260 | 4.161 | 5.292 | 14.230 | 0.702 | 11.630 | 14.260 | -2.726 |
| 2 | 09:09:46 | 8.409 | 8.239 | 4.201 | 5.590 | 15.920 | 0.788 | 11.640 | 15.950 | -0.246 |
| 3 | 09:10:54 | 7.962 | 7.943 | 4.357 | 5.718 | 13.500 | 0.781 | 9.791 | 13.540 | 1.566 |
| x | | 8.032 | 8.147 | 4.240 | 5.534 | 14.550 | 0.757 | 11.020 | 14.590 | -0.469 |
| σ | | 0.348 | 0.177 | 0.104 | 0.219 | 1.241 | 0.047 | 1.064 | 1.238 | 2.155 |
| %RSD | | 4.330 | 2.172 | 2.443 | 3.949 | 8.532 | 6.263 | 9.660 | 8.491 | 459.500 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:08:38 | 3.433 | 2.136 | 2.321 | 2.310 | 2.113 | -0.001 | 83% | 0.274 | 0.090 |
| 2 | 09:09:46 | 2.640 | 2.333 | 2.348 | 2.249 | 2.180 | 0.003 | 81% | 1.131 | 0.026 |
| 3 | 09:10:54 | 1.922 | 2.277 | 2.286 | 2.011 | 2.229 | 0.011 | 82% | -0.319 | 0.056 |
| x | | 2.665 | 2.249 | 2.319 | 2.190 | 2.174 | 0.004 | 82% | 0.362 | 0.057 |
| σ | | 0.756 | 0.102 | 0.031 | 0.158 | 0.058 | 0.006 | 1% | 0.729 | 0.032 |
| %RSD | | 28.370 | 4.519 | 1.338 | 7.207 | 2.686 | 144.000 | 1 | 201.600 | 56.380 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:08:38 | 0.041 | 0.259 | 0.108 | 0.026 | 0.196 | 0.196 | 40.960 | 40.070 | 89% |
| 2 | 09:09:46 | -0.368 | 1.115 | 0.048 | 0.058 | 0.133 | 0.120 | 42.130 | 42.720 | 89% |
| 3 | 09:10:54 | 0.252 | -0.334 | 0.044 | -0.019 | 0.142 | 0.142 | 41.930 | 41.150 | 89% |
| x | | -0.025 | 0.347 | 0.067 | 0.022 | 0.157 | 0.153 | 41.670 | 41.310 | 89% |
| σ | | 0.316 | 0.729 | 0.036 | 0.039 | 0.034 | 0.039 | 0.629 | 1.331 | 0% |
| %RSD | | 1255.000 | 210.000 | 53.800 | 177.800 | 21.510 | 25.830 | 1.510 | 3.222 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:08:38 | 91% | 0.134 | 0.137 | 0.829 | 0.803 | 0.815 | 88% | 10.310 |
| 2 | 09:09:46 | 89% | 0.060 | 0.076 | 0.817 | 0.728 | 0.752 | 86% | 10.900 |
| 3 | 09:10:54 | 91% | 0.051 | 0.066 | 0.813 | 0.726 | 0.771 | 87% | 10.600 |
| x | | 90% | 0.082 | 0.093 | 0.820 | 0.752 | 0.779 | 87% | 10.600 |
| σ | | 1% | 0.045 | 0.038 | 0.009 | 0.044 | 0.032 | 1% | 0.297 |
| %RSD | | 1 | 55.630 | 40.890 | 1.053 | 5.850 | 4.141 | 1 | 2.800 |

**C1867-12 MF3T89** 05/01/2011 09:15:24 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:16:32 | 88% | -0.095 | 896.500 | 0.000 | 211600.000 | 28570.000 | 28150.000 | 27630.000 | 1.631 |
| 2 | 09:17:40 | 89% | -0.095 | 934.000 | 0.000 | 215600.000 | 28820.000 | 28740.000 | 28520.000 | 1.874 |
| 3 | 09:18:48 | 86% | -0.044 | 968.800 | 0.000 | 224900.000 | 29810.000 | 29550.000 | 29210.000 | 1.620 |
| x | | 88% | -0.078 | 933.100 | 0.000 | 217400.000 | 29070.000 | 28810.000 | 28450.000 | 1.708 |
| σ | | 1% | 0.030 | 36.130 | 0.000 | 6828.000 | 657.100 | 702.100 | 793.000 | 0.143 |
| %RSD | | 1 | 37.980 | 3.872 | 0.000 | 3.141 | 2.261 | 2.437 | 2.787 | 8.396 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:16:32 | 15660.000 | -1.505 | 0.000 | 0.000 | 5643.000 | 117900.000 | 131400.000 | 87% | 0.727 |
| 2 | 09:17:40 | 16100.000 | -2.337 | 0.000 | 0.000 | 5742.000 | 120800.000 | 133800.000 | 87% | 0.668 |
| 3 | 09:18:48 | 16750.000 | 3.333 | 0.000 | 0.000 | 5831.000 | 124100.000 | 135300.000 | 86% | 0.812 |
| x | | 16170.000 | -0.170 | 0.000 | 0.000 | 5738.000 | 120900.000 | 133500.000 | 87% | 0.736 |
| σ | | 548.400 | 3.061 | 0.000 | 0.000 | 94.010 | 3080.000 | 1962.000 | 0% | 0.072 |
| %RSD | | 3.392 | 1806.000 | 0.000 | 0.000 | 1.638 | 2.547 | 1.470 | 1 | 9.845 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:16:32 | 19.630 | 21.620 | 186.300 | 9.723 | 0.264 | 16.120 | 387.300 | 0.076 | 1.006 |
| 2 | 09:17:40 | 19.220 | 22.100 | 199.600 | 12.480 | 0.295 | 17.140 | 407.700 | 0.097 | 0.996 |
| 3 | 09:18:48 | 18.990 | 22.370 | 209.300 | 11.810 | 0.227 | 17.420 | 403.500 | 0.097 | 1.383 |
| x | | 19.280 | 22.030 | 198.400 | 11.340 | 0.262 | 16.890 | 399.500 | 0.090 | 1.128 |
| σ | | 0.326 | 0.380 | 11.530 | 1.437 | 0.034 | 0.683 | 10.740 | 0.012 | 0.221 |
| %RSD | | 1.689 | 1.724 | 5.814 | 12.670 | 12.920 | 4.040 | 2.689 | 13.590 | 19.550 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:16:32 | 1.469 | 1.858 | 4.530 | 3.748 | 14.180 | 1.167 | 10.070 | 14.210 | 0.071 |
| 2 | 09:17:40 | 1.520 | 1.462 | 4.289 | 5.276 | 13.860 | 0.915 | 10.400 | 13.900 | 0.505 |
| 3 | 09:18:48 | 1.614 | 1.679 | 4.091 | 4.463 | 13.510 | 1.083 | 11.120 | 13.540 | 1.893 |
| x | | 1.534 | 1.666 | 4.303 | 4.496 | 13.850 | 1.055 | 10.530 | 13.880 | 0.823 |
| σ | | 0.074 | 0.199 | 0.220 | 0.764 | 0.336 | 0.128 | 0.536 | 0.334 | 0.952 |
| %RSD | | 4.800 | 11.910 | 5.103 | 17.000 | 2.427 | 12.160 | 5.087 | 2.403 | 115.600 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:16:32 | 1.842 | 2.264 | 2.193 | 2.224 | 2.225 | 0.007 | 84% | -0.256 | 0.037 |
| 2 | 09:17:40 | 1.681 | 2.295 | 2.130 | 2.442 | 2.260 | 0.003 | 83% | 0.489 | 0.017 |
| 3 | 09:18:48 | 1.708 | 2.468 | 2.273 | 2.411 | 2.198 | 0.011 | 82% | -0.641 | 0.014 |
| x | | 1.744 | 2.342 | 2.199 | 2.359 | 2.228 | 0.007 | 83% | -0.136 | 0.023 |
| σ | | 0.086 | 0.110 | 0.071 | 0.118 | 0.031 | 0.004 | 1% | 0.574 | 0.012 |
| %RSD | | 4.915 | 4.693 | 3.250 | 4.991 | 1.397 | 58.620 | 1 | 422.400 | 53.700 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:16:32 | 0.386 | -0.270 | 0.032 | -0.063 | -0.009 | 0.026 | 33.030 | 33.830 | 91% |
| 2 | 09:17:40 | -0.135 | 0.473 | 0.029 | -0.005 | 0.027 | 0.047 | 34.530 | 34.560 | 90% |
| 3 | 09:18:48 | 0.371 | -0.656 | 0.031 | -0.061 | -0.025 | 0.042 | 35.140 | 35.150 | 90% |
| x | | 0.207 | -0.151 | 0.030 | -0.043 | -0.002 | 0.038 | 34.230 | 34.510 | 90% |
| σ | | 0.297 | 0.574 | 0.002 | 0.033 | 0.026 | 0.011 | 1.084 | 0.659 | 0% |
| %RSD | | 143.300 | 380.600 | 5.129 | 76.680 | 1076.000 | 28.860 | 3.168 | 1.910 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:16:32 | 92% | -0.005 | 0.016 | 0.230 | 0.188 | 0.215 | 89% | 10.220 |
| 2 | 09:17:40 | 91% | 0.003 | 0.012 | 0.179 | 0.193 | 0.190 | 88% | 10.660 |
| 3 | 09:18:48 | 91% | -0.011 | -0.002 | 0.197 | 0.173 | 0.197 | 88% | 10.830 |
| x | | 91% | -0.004 | 0.009 | 0.202 | 0.185 | 0.201 | 88% | 10.570 |
| σ | | 1% | 0.007 | 0.009 | 0.026 | 0.010 | 0.013 | 1% | 0.316 |
| %RSD | | 1 | 158.400 | 107.000 | 12.820 | 5.461 | 6.514 | 1 | 2.987 |

**C1867-13 MF3T90** 05/01/2011 09:23:19 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:24:27 | 89% | -0.105 | 945.900 | 0.000 | 216300.000 | 29130.000 | 28880.000 | 28230.000 | 0.625 |
| 2 | 09:25:35 | 88% | -0.066 | 946.500 | 0.000 | 217800.000 | 29410.000 | 29110.000 | 28660.000 | 0.891 |
| 3 | 09:26:43 | 88% | -0.094 | 988.500 | 0.000 | 224500.000 | 30270.000 | 29750.000 | 29270.000 | 0.825 |
| x | | 88% | -0.088 | 960.300 | 0.000 | 219500.000 | 29600.000 | 29250.000 | 28720.000 | 0.780 |
| σ | | 0% | 0.020 | 24.420 | 0.000 | 4352.000 | 593.400 | 453.000 | 521.800 | 0.139 |
| %RSD | | 0 | 22.890 | 2.543 | 0.000 | 1.983 | 2.005 | 1.549 | 1.817 | 17.800 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:24:27 | 16000.000 | 3.296 | 0.000 | 0.000 | 5758.000 | 121500.000 | 132400.000 | 89% | 0.539 |
| 2 | 09:25:35 | 16050.000 | 2.848 | 0.000 | 0.000 | 5705.000 | 121100.000 | 134300.000 | 88% | 0.461 |
| 3 | 09:26:43 | 16480.000 | 4.502 | 0.000 | 0.000 | 5792.000 | 123400.000 | 135300.000 | 88% | 0.516 |
| x | | 16180.000 | 3.549 | 0.000 | 0.000 | 5752.000 | 122000.000 | 134000.000 | 88% | 0.505 |
| σ | | 265.600 | 0.856 | 0.000 | 0.000 | 43.930 | 1261.000 | 1471.000 | 0% | 0.041 |
| %RSD | | 1.642 | 24.100 | 0.000 | 0.000 | 0.764 | 1.034 | 1.098 | 1 | 8.014 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:24:27 | 20.930 | 21.840 | 192.500 | 8.556 | 0.136 | 12.900 | 406.600 | 0.040 | 1.037 |
| 2 | 09:25:35 | 17.360 | 22.040 | 208.100 | 8.561 | 0.102 | 13.680 | 408.600 | 0.087 | 0.873 |
| 3 | 09:26:43 | 16.360 | 22.650 | 216.400 | 8.811 | 0.130 | 14.650 | 390.200 | 0.022 | 1.248 |
| x | | 18.220 | 22.180 | 205.700 | 8.643 | 0.123 | 13.740 | 401.800 | 0.050 | 1.053 |
| σ | | 2.403 | 0.424 | 12.160 | 0.146 | 0.018 | 0.877 | 10.110 | 0.034 | 0.188 |
| %RSD | | 13.190 | 1.913 | 5.913 | 1.686 | 14.560 | 6.382 | 2.517 | 67.490 | 17.840 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:24:27 | 1.280 | 1.247 | 4.023 | 4.810 | 14.940 | 0.930 | 9.584 | 14.970 | 0.850 |
| 2 | 09:25:35 | 1.265 | 1.311 | 3.836 | 3.117 | 14.840 | 1.368 | 10.510 | 14.860 | -3.215 |
| 3 | 09:26:43 | 1.324 | 1.320 | 4.074 | 4.292 | 14.640 | 1.190 | 11.910 | 14.680 | -0.002 |
| x | | 1.290 | 1.292 | 3.977 | 4.073 | 14.800 | 1.163 | 10.670 | 14.840 | -0.789 |
| σ | | 0.030 | 0.040 | 0.125 | 0.867 | 0.154 | 0.220 | 1.170 | 0.149 | 2.143 |
| %RSD | | 2.353 | 3.076 | 3.151 | 21.300 | 1.037 | 18.940 | 10.960 | 1.007 | 271.700 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:24:27 | 1.591 | 2.273 | 2.141 | 2.394 | 2.240 | 0.007 | 85% | -0.026 | 0.032 |
| 2 | 09:25:35 | 1.511 | 2.340 | 2.300 | 2.196 | 2.496 | 0.003 | 84% | 0.097 | 0.026 |
| 3 | 09:26:43 | 1.460 | 2.406 | 2.230 | 2.395 | 2.392 | 0.014 | 84% | -0.274 | 0.010 |
| x | | 1.521 | 2.339 | 2.224 | 2.328 | 2.376 | 0.008 | 84% | -0.068 | 0.022 |
| σ | | 0.066 | 0.066 | 0.080 | 0.115 | 0.129 | 0.006 | 1% | 0.189 | 0.012 |
| %RSD | | 4.370 | 2.841 | 3.605 | 4.937 | 5.422 | 74.910 | 1 | 280.100 | 51.690 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:24:27 | -0.027 | -0.039 | 0.013 | -0.053 | -0.061 | -0.011 | 32.500 | 34.440 | 91% |
| 2 | 09:25:35 | -0.037 | 0.084 | 0.017 | -0.052 | -0.065 | -0.011 | 32.740 | 33.760 | 91% |
| 3 | 09:26:43 | 0.167 | -0.288 | 0.011 | -0.053 | -0.050 | 0.009 | 34.640 | 34.880 | 91% |
| x | | 0.034 | -0.081 | 0.014 | -0.053 | -0.059 | -0.004 | 33.290 | 34.360 | 91% |
| σ | | 0.115 | 0.190 | 0.003 | 0.001 | 0.008 | 0.012 | 1.172 | 0.563 | 0% |
| %RSD | | 336.000 | 234.100 | 20.390 | 1.662 | 13.940 | 270.200 | 3.519 | 1.640 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:24:27 | 92% | -0.040 | -0.026 | 0.159 | 0.142 | 0.147 | 88% | 10.530 |
| 2 | 09:25:35 | 91% | -0.031 | -0.032 | 0.147 | 0.147 | 0.141 | 88% | 10.700 |
| 3 | 09:26:43 | 92% | -0.029 | -0.031 | 0.141 | 0.128 | 0.132 | 89% | 10.680 |
| x | | 92% | -0.033 | -0.029 | 0.149 | 0.139 | 0.140 | 88% | 10.640 |
| σ | | 0% | 0.006 | 0.003 | 0.009 | 0.010 | 0.008 | 0% | 0.095 |
| %RSD | | 0 | 17.600 | 9.884 | 6.377 | 7.129 | 5.529 | 0 | 0.895 |

**C1867-14 MF3TA8** 05/01/2011 09:31:14 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:32:22 | 91% | -0.078 | 1283.000 | 0.000 | 288900.000 | 44210.000 | 43530.000 | 43350.000 | 0.905 |
| 2 | 09:33:30 | 92% | -0.106 | 1289.000 | 0.000 | 281200.000 | 42970.000 | 42610.000 | 42740.000 | 0.804 |
| 3 | 09:34:38 | 87% | -0.123 | 1278.000 | 0.000 | 286700.000 | 43780.000 | 43540.000 | 43210.000 | 0.658 |
| x | | 90% | -0.102 | 1283.000 | 0.000 | 285600.000 | 43650.000 | 43230.000 | 43100.000 | 0.789 |
| σ | | 2% | 0.023 | 5.436 | 0.000 | 3952.000 | 628.500 | 529.600 | 317.000 | 0.124 |
| %RSD | | 3 | 22.430 | 0.424 | 0.000 | 1.384 | 1.440 | 1.225 | 0.736 | 15.740 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:32:22 | 25300.000 | 1.063 | 0.000 | 0.000 | 6004.000 | 163600.000 | 180700.000 | 86% | 1.173 |
| 2 | 09:33:30 | 24840.000 | 4.055 | 0.000 | 0.000 | 5908.000 | 159200.000 | 175400.000 | 87% | 1.223 |
| 3 | 09:34:38 | 25140.000 | 0.130 | 0.000 | 0.000 | 5911.000 | 159200.000 | 178000.000 | 84% | 1.423 |
| x | | 25090.000 | 1.749 | 0.000 | 0.000 | 5941.000 | 160600.000 | 178000.000 | 86% | 1.273 |
| σ | | 231.100 | 2.050 | 0.000 | 0.000 | 54.580 | 2542.000 | 2635.000 | 1% | 0.132 |
| %RSD | | 0.921 | 117.200 | 0.000 | 0.000 | 0.919 | 1.582 | 1.480 | 1 | 10.370 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:32:22 | 60.830 | 3.306 | 201.900 | -2.193 | 0.039 | 7.194 | 550.300 | -0.048 | 3.214 |
| 2 | 09:33:30 | 59.100 | 3.059 | 206.900 | 0.098 | -0.003 | 6.604 | 501.900 | -0.057 | 2.963 |
| 3 | 09:34:38 | 57.650 | 3.054 | 218.600 | -0.224 | 0.057 | 5.724 | 488.600 | -0.034 | 2.863 |
| x | | 59.190 | 3.140 | 209.100 | -0.773 | 0.031 | 6.507 | 513.600 | -0.047 | 3.013 |
| σ | | 1.593 | 0.144 | 8.575 | 1.241 | 0.031 | 0.740 | 32.490 | 0.012 | 0.181 |
| %RSD | | 2.691 | 4.590 | 4.100 | 160.500 | 100.600 | 11.370 | 6.326 | 25.180 | 5.999 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:32:22 | 68.490 | 69.060 | 11.550 | 10.560 | 18.310 | 1.335 | 13.990 | 18.380 | 2.387 |
| 2 | 09:33:30 | 66.790 | 66.850 | 11.590 | 10.730 | 20.390 | 1.339 | 13.380 | 20.460 | 4.206 |
| 3 | 09:34:38 | 67.520 | 68.980 | 11.250 | 11.520 | 17.410 | 1.226 | 14.200 | 17.450 | 1.893 |
| x | | 67.600 | 68.300 | 11.460 | 10.940 | 18.700 | 1.300 | 13.850 | 18.770 | 2.829 |
| σ | | 0.855 | 1.255 | 0.186 | 0.514 | 1.531 | 0.064 | 0.427 | 1.539 | 1.218 |
| %RSD | | 1.264 | 1.838 | 1.621 | 4.699 | 8.187 | 4.940 | 3.079 | 8.203 | 43.060 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:32:22 | 1.254 | 2.275 | 2.181 | 2.370 | 2.258 | 0.007 | 81% | 0.846 | -0.002 |
| 2 | 09:33:30 | 1.291 | 2.146 | 2.051 | 2.278 | 2.283 | 0.007 | 82% | -0.545 | 0.005 |
| 3 | 09:34:38 | 1.340 | 2.372 | 2.073 | 2.321 | 2.231 | -0.001 | 80% | 0.179 | 0.006 |
| x | | 1.295 | 2.264 | 2.101 | 2.323 | 2.258 | 0.004 | 81% | 0.160 | 0.003 |
| σ | | 0.043 | 0.113 | 0.070 | 0.046 | 0.026 | 0.005 | 1% | 0.696 | 0.004 |
| %RSD | | 3.309 | 5.002 | 3.318 | 1.994 | 1.148 | 109.100 | 1 | 435.300 | 142.200 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:32:22 | -0.387 | 0.830 | 0.013 | -0.005 | 1.140 | 0.115 | 32.390 | 31.690 | 89% |
| 2 | 09:33:30 | 0.435 | -0.561 | 0.012 | -0.096 | 1.147 | 0.057 | 30.650 | 30.720 | 90% |
| 3 | 09:34:38 | -0.018 | 0.161 | 0.026 | -0.053 | 1.170 | 0.052 | 30.700 | 30.440 | 89% |
| x | | 0.010 | 0.143 | 0.017 | -0.052 | 1.152 | 0.075 | 31.250 | 30.950 | 89% |
| σ | | 0.412 | 0.695 | 0.008 | 0.046 | 0.016 | 0.035 | 0.991 | 0.656 | 1% |
| %RSD | | 3999.000 | 485.700 | 46.240 | 88.680 | 1.351 | 46.850 | 3.172 | 2.121 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:32:22 | 89% | -0.042 | -0.041 | 4.350 | 3.839 | 4.094 | 85% | 8.932 |
| 2 | 09:33:30 | 90% | -0.044 | -0.045 | 4.158 | 3.654 | 3.921 | 87% | 8.621 |
| 3 | 09:34:38 | 89% | -0.047 | -0.040 | 4.173 | 3.875 | 3.952 | 86% | 8.886 |
| x | | 89% | -0.044 | -0.042 | 4.227 | 3.790 | 3.989 | 86% | 8.813 |
| σ | | 0% | 0.003 | 0.003 | 0.107 | 0.119 | 0.092 | 1% | 0.168 |
| %RSD | | 0 | 6.345 | 6.244 | 2.532 | 3.131 | 2.312 | 1 | 1.906 |

**C1867-15 MF3TA9** 05/01/2011 09:39:09 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:40:17 | 89% | -0.143 | 1226.000 | 0.000 | 288200.000 | 44560.000 | 43930.000 | 43850.000 | 0.684 |
| 2 | 09:41:25 | 88% | -0.045 | 1260.000 | 0.000 | 286100.000 | 44300.000 | 43610.000 | 42980.000 | 0.491 |
| 3 | 09:42:33 | 89% | -0.114 | 1270.000 | 0.000 | 285900.000 | 44000.000 | 43510.000 | 43240.000 | 0.506 |
| x | | 89% | -0.101 | 1252.000 | 0.000 | 286700.000 | 44290.000 | 43680.000 | 43360.000 | 0.560 |
| σ | | 1% | 0.050 | 23.130 | 0.000 | 1295.000 | 279.100 | 217.600 | 450.300 | 0.108 |
| %RSD | | 1 | 49.770 | 1.848 | 0.000 | 0.452 | 0.630 | 0.498 | 1.039 | 19.210 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:40:17 | 25700.000 | 1.500 | 0.000 | 0.000 | 5745.000 | 159000.000 | 175000.000 | 85% | 1.165 |
| 2 | 09:41:25 | 25460.000 | 0.114 | 0.000 | 0.000 | 5646.000 | 154800.000 | 171600.000 | 87% | 0.736 |
| 3 | 09:42:33 | 25810.000 | -0.622 | 0.000 | 0.000 | 5659.000 | 156700.000 | 174200.000 | 86% | 1.114 |
| x | | 25660.000 | 0.330 | 0.000 | 0.000 | 5683.000 | 156900.000 | 173600.000 | 86% | 1.005 |
| σ | | 179.900 | 1.078 | 0.000 | 0.000 | 53.460 | 2096.000 | 1777.000 | 1% | 0.234 |
| %RSD | | 0.701 | 326.100 | 0.000 | 0.000 | 0.941 | 1.337 | 1.024 | 1 | 23.320 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:40:17 | 61.020 | 2.874 | 201.700 | -0.636 | 0.011 | 4.951 | 467.100 | -0.032 | 3.049 |
| 2 | 09:41:25 | 58.800 | 2.694 | 205.500 | -1.223 | 0.003 | 4.073 | 463.500 | -0.039 | 2.623 |
| 3 | 09:42:33 | 59.990 | 2.893 | 211.700 | 0.642 | 0.018 | 3.724 | 442.700 | -0.061 | 2.979 |
| x | | 59.940 | 2.820 | 206.300 | -0.406 | 0.011 | 4.249 | 457.700 | -0.044 | 2.884 |
| σ | | 1.114 | 0.110 | 5.054 | 0.953 | 0.007 | 0.632 | 13.180 | 0.015 | 0.228 |
| %RSD | | 1.859 | 3.903 | 2.450 | 235.100 | 70.260 | 14.880 | 2.878 | 34.200 | 7.918 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:40:17 | 19.130 | 19.240 | 4.589 | 11.400 | 19.680 | 1.178 | 13.010 | 19.710 | 0.661 |
| 2 | 09:41:25 | 18.260 | 19.130 | 5.006 | 10.080 | 17.600 | 1.388 | 13.140 | 17.670 | 2.602 |
| 3 | 09:42:33 | 19.020 | 19.480 | 5.331 | 11.030 | 17.950 | 1.228 | 14.210 | 18.000 | 3.282 |
| x | | 18.800 | 19.280 | 4.975 | 10.830 | 18.410 | 1.265 | 13.450 | 18.460 | 2.182 |
| σ | | 0.472 | 0.177 | 0.372 | 0.681 | 1.111 | 0.110 | 0.658 | 1.098 | 1.360 |
| %RSD | | 2.509 | 0.919 | 7.477 | 6.286 | 6.035 | 8.676 | 4.893 | 5.945 | 62.330 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:40:17 | 1.424 | 2.369 | 2.353 | 2.450 | 2.512 | 0.003 | 82% | -1.243 | 0.021 |
| 2 | 09:41:25 | 1.555 | 2.624 | 2.372 | 2.367 | 2.343 | 0.007 | 82% | -0.296 | 0.002 |
| 3 | 09:42:33 | 1.418 | 2.403 | 2.290 | 2.557 | 2.413 | 0.007 | 82% | -1.317 | -0.022 |
| x | | 1.465 | 2.466 | 2.338 | 2.458 | 2.423 | 0.006 | 82% | -0.952 | 0.000 |
| σ | | 0.077 | 0.139 | 0.043 | 0.095 | 0.085 | 0.002 | 0% | 0.569 | 0.022 |
| %RSD | | 5.287 | 5.620 | 1.835 | 3.873 | 3.512 | 41.600 | 0 | 59.780 | 10880.000 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:40:17 | 0.762 | -1.260 | 0.025 | -0.140 | 0.225 | 0.018 | 31.790 | 32.080 | 91% |
| 2 | 09:41:25 | 0.183 | -0.314 | 0.007 | -0.076 | 0.211 | 0.037 | 32.380 | 31.420 | 91% |
| 3 | 09:42:33 | 0.861 | -1.335 | -0.017 | -0.158 | 0.202 | 0.025 | 31.760 | 32.150 | 92% |
| x | | 0.602 | -0.970 | 0.005 | -0.125 | 0.213 | 0.027 | 31.970 | 31.880 | 91% |
| σ | | 0.366 | 0.569 | 0.021 | 0.043 | 0.012 | 0.009 | 0.351 | 0.401 | 0% |
| %RSD | | 60.800 | 58.650 | 432.500 | 34.680 | 5.482 | 35.440 | 1.098 | 1.258 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:40:17 | 92% | -0.051 | -0.037 | 1.153 | 1.105 | 1.116 | 88% | 8.762 |
| 2 | 09:41:25 | 91% | -0.055 | -0.047 | 1.088 | 0.994 | 1.048 | 89% | 8.783 |
| 3 | 09:42:33 | 92% | -0.056 | -0.046 | 1.144 | 1.015 | 1.075 | 89% | 8.922 |
| x | | 92% | -0.054 | -0.043 | 1.128 | 1.038 | 1.080 | 88% | 8.822 |
| σ | | 0% | 0.002 | 0.005 | 0.035 | 0.059 | 0.034 | 1% | 0.087 |
| %RSD | | 0 | 4.375 | 12.360 | 3.134 | 5.667 | 3.158 | 1 | 0.988 |

**C1867-11X25 MF3T88** 05/01/2011 09:47:04 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:48:13 | 98% | -0.145 | 67.740 | 0.000 | 8952.000 | 1393.000 | 1325.000 | 1345.000 | 0.159 |
| 2 | 09:49:21 | 97% | -0.118 | 67.330 | 0.000 | 9103.000 | 1415.000 | 1346.000 | 1370.000 | 0.175 |
| 3 | 09:50:29 | 95% | -0.126 | 63.410 | 0.000 | 9449.000 | 1466.000 | 1391.000 | 1410.000 | 0.003 |
| x | | 97% | -0.130 | 66.160 | 0.000 | 9168.000 | 1425.000 | 1354.000 | 1375.000 | 0.112 |
| σ | | 2% | 0.014 | 2.393 | 0.000 | 254.500 | 37.700 | 33.920 | 32.910 | 0.095 |
| %RSD | | 2 | 10.510 | 3.617 | 0.000 | 2.776 | 2.647 | 2.505 | 2.393 | 84.860 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:48:13 | 697.700 | 3.618 | 0.000 | 0.000 | 270.100 | 5611.000 | 5811.000 | 100% | -0.974 |
| 2 | 09:49:21 | 690.400 | -0.548 | 0.000 | 0.000 | 275.900 | 5336.000 | 5859.000 | 99% | -0.687 |
| 3 | 09:50:29 | 726.100 | 5.400 | 0.000 | 0.000 | 292.100 | 5937.000 | 6137.000 | 97% | -0.853 |
| x | | 704.800 | 2.823 | 0.000 | 0.000 | 279.400 | 5628.000 | 5936.000 | 98% | -0.838 |
| σ | | 18.880 | 3.053 | 0.000 | 0.000 | 11.400 | 300.900 | 176.200 | 2% | 0.144 |
| %RSD | | 2.679 | 108.100 | 0.000 | 0.000 | 4.081 | 5.347 | 2.969 | 2 | 17.200 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:48:13 | 0.027 | 0.580 | 36.810 | 1.836 | -0.026 | 0.671 | 13.520 | -0.046 | 0.015 |
| 2 | 09:49:21 | 1.385 | 0.530 | 33.160 | 2.648 | -0.030 | 1.539 | 14.000 | -0.057 | -0.057 |
| 3 | 09:50:29 | -0.073 | 0.548 | 35.010 | 1.912 | -0.026 | 2.499 | 17.070 | -0.047 | -0.045 |
| x | | 0.446 | 0.552 | 34.990 | 2.132 | -0.027 | 1.570 | 14.870 | -0.050 | -0.029 |
| σ | | 0.814 | 0.025 | 1.825 | 0.449 | 0.002 | 0.914 | 1.927 | 0.006 | 0.038 |
| %RSD | | 182.400 | 4.576 | 5.215 | 21.040 | 8.870 | 58.250 | 12.960 | 11.900 | 132.100 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:48:13 | 0.190 | 0.223 | 0.207 | 0.046 | 0.158 | 0.204 | -0.192 | 0.158 | 2.617 |
| 2 | 09:49:21 | 0.248 | 0.216 | 0.082 | 0.443 | 0.197 | 0.124 | -0.508 | 0.197 | 0.266 |
| 3 | 09:50:29 | 0.220 | 0.306 | 0.114 | 0.149 | 0.013 | 0.184 | 0.453 | 0.013 | 5.388 |
| x | | 0.219 | 0.248 | 0.135 | 0.213 | 0.123 | 0.171 | -0.083 | 0.123 | 2.757 |
| σ | | 0.029 | 0.050 | 0.065 | 0.206 | 0.097 | 0.042 | 0.490 | 0.097 | 2.564 |
| %RSD | | 13.240 | 20.200 | 48.210 | 96.810 | 79.230 | 24.390 | 594.000 | 79.230 | 93.010 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:48:13 | -0.007 | 0.032 | 0.040 | 0.024 | 0.025 | 0.002 | 101% | -1.101 | -0.027 |
| 2 | 09:49:21 | 0.028 | 0.014 | 0.008 | 0.098 | 0.035 | 0.009 | 100% | -0.111 | -0.021 |
| 3 | 09:50:29 | -0.004 | 0.021 | 0.043 | 0.035 | 0.049 | -0.001 | 97% | -0.047 | -0.027 |
| x | | 0.006 | 0.022 | 0.030 | 0.052 | 0.036 | 0.003 | 99% | -0.420 | -0.025 |
| σ | | 0.019 | 0.009 | 0.019 | 0.040 | 0.012 | 0.005 | 2% | 0.591 | 0.003 |
| %RSD | | 330.900 | 40.180 | 63.350 | 76.260 | 32.090 | 153.500 | 2 | 140.800 | 14.130 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:48:13 | 0.560 | -1.104 | -0.014 | -0.132 | -0.083 | -0.060 | 1.354 | 1.307 | 100% |
| 2 | 09:49:21 | 0.013 | -0.111 | -0.025 | -0.065 | -0.072 | -0.057 | 1.322 | 1.572 | 99% |
| 3 | 09:50:29 | 0.029 | -0.049 | -0.022 | -0.073 | -0.069 | -0.050 | 1.270 | 1.436 | 98% |
| x | | 0.200 | -0.421 | -0.020 | -0.090 | -0.075 | -0.056 | 1.315 | 1.438 | 99% |
| σ | | 0.311 | 0.592 | 0.005 | 0.037 | 0.007 | 0.005 | 0.042 | 0.133 | 1% |
| %RSD | | 155.400 | 140.500 | 26.820 | 40.700 | 9.547 | 9.182 | 3.225 | 9.224 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:48:13 | 100% | -0.059 | -0.049 | -0.050 | -0.035 | -0.034 | 100% | 0.347 |
| 2 | 09:49:21 | 101% | -0.060 | -0.051 | -0.029 | -0.025 | -0.028 | 102% | 0.347 |
| 3 | 09:50:29 | 98% | -0.056 | -0.048 | -0.036 | -0.022 | -0.030 | 98% | 0.391 |
| x | | 100% | -0.058 | -0.049 | -0.039 | -0.027 | -0.031 | 100% | 0.362 |
| σ | | 1% | 0.002 | 0.001 | 0.011 | 0.007 | 0.003 | 2% | 0.026 |
| %RSD | | 1 | 3.788 | 2.704 | 27.630 | 24.870 | 10.310 | 2 | 7.085 |

**C1867-12X25 MF3T89** 05/01/2011 09:55:00 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:56:08 | 95% | -0.109 | 52.640 | 0.000 | 9341.000 | 1261.000 | 1214.000 | 1225.000 | -0.173 |
| 2 | 09:57:16 | 97% | -0.154 | 54.750 | 0.000 | 9200.000 | 1234.000 | 1178.000 | 1185.000 | -0.309 |
| 3 | 09:58:24 | 98% | -0.145 | 56.500 | 0.000 | 9171.000 | 1244.000 | 1200.000 | 1207.000 | -0.281 |
| x | | 97% | -0.136 | 54.630 | 0.000 | 9237.000 | 1247.000 | 1197.000 | 1206.000 | -0.254 |
| σ | | 1% | 0.024 | 1.930 | 0.000 | 91.100 | 13.810 | 18.370 | 20.110 | 0.072 |
| %RSD | | 1 | 17.560 | 3.532 | 0.000 | 0.986 | 1.108 | 1.534 | 1.668 | 28.120 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:56:08 | 668.200 | 3.903 | 0.000 | 0.000 | 238.600 | 5117.000 | 5367.000 | 96% | -0.939 |
| 2 | 09:57:16 | 657.800 | 2.624 | 0.000 | 0.000 | 228.900 | 4906.000 | 5235.000 | 98% | -0.770 |
| 3 | 09:58:24 | 665.100 | -2.206 | 0.000 | 0.000 | 230.900 | 4939.000 | 5289.000 | 98% | -0.828 |
| x | | 663.700 | 1.441 | 0.000 | 0.000 | 232.800 | 4987.000 | 5297.000 | 97% | -0.846 |
| σ | | 5.327 | 3.222 | 0.000 | 0.000 | 5.150 | 113.600 | 66.350 | 1% | 0.086 |
| %RSD | | 0.803 | 223.600 | 0.000 | 0.000 | 2.212 | 2.277 | 1.253 | 1 | 10.180 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:56:08 | 0.815 | 0.952 | 26.800 | 0.461 | -0.042 | 1.692 | 13.990 | -0.051 | 0.009 |
| 2 | 09:57:16 | 0.601 | 0.973 | 25.440 | 1.006 | -0.039 | 0.602 | 13.710 | -0.048 | -0.092 |
| 3 | 09:58:24 | 1.178 | 0.962 | 23.750 | 0.020 | -0.072 | 0.075 | 11.990 | -0.041 | -0.033 |
| x | | 0.864 | 0.962 | 25.330 | 0.496 | -0.051 | 0.790 | 13.230 | -0.047 | -0.039 |
| σ | | 0.292 | 0.011 | 1.530 | 0.494 | 0.019 | 0.825 | 1.086 | 0.005 | 0.051 |
| %RSD | | 33.760 | 1.112 | 6.038 | 99.630 | 36.420 | 104.400 | 8.206 | 10.400 | 130.300 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:56:08 | -0.146 | -0.049 | -0.191 | 0.012 | 0.013 | 0.172 | -0.027 | 0.013 | 1.437 |
| 2 | 09:57:16 | -0.118 | -0.057 | -0.110 | 0.377 | 0.687 | 0.107 | -0.063 | 0.686 | -1.540 |
| 3 | 09:58:24 | -0.127 | -0.045 | -0.047 | 0.243 | 0.237 | 0.113 | -0.464 | 0.236 | -0.731 |
| x | | -0.130 | -0.050 | -0.116 | 0.211 | 0.312 | 0.131 | -0.185 | 0.312 | -0.278 |
| σ | | 0.014 | 0.006 | 0.072 | 0.185 | 0.343 | 0.036 | 0.243 | 0.342 | 1.539 |
| %RSD | | 10.880 | 12.240 | 62.190 | 87.650 | 109.800 | 27.790 | 131.300 | 109.800 | 553.600 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:56:08 | -0.044 | 0.045 | 0.031 | 0.058 | 0.037 | 0.002 | 97% | 1.138 | -0.019 |
| 2 | 09:57:16 | -0.049 | 0.057 | -0.003 | -0.011 | 0.033 | 0.009 | 98% | -0.031 | -0.024 |
| 3 | 09:58:24 | -0.015 | 0.001 | 0.030 | 0.033 | 0.047 | -0.001 | 98% | 0.079 | -0.022 |
| x | | -0.036 | 0.034 | 0.019 | 0.027 | 0.039 | 0.003 | 98% | 0.395 | -0.021 |
| σ | | 0.018 | 0.030 | 0.019 | 0.035 | 0.007 | 0.005 | 1% | 0.646 | 0.002 |
| %RSD | | 51.340 | 86.300 | 99.760 | 128.800 | 18.100 | 151.500 | 1 | 163.300 | 11.260 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:56:08 | -0.577 | 1.140 | -0.023 | -0.011 | -0.096 | -0.056 | 1.034 | 1.067 | 98% |
| 2 | 09:57:16 | 0.019 | -0.032 | -0.017 | -0.078 | -0.066 | -0.060 | 0.948 | 1.244 | 99% |
| 3 | 09:58:24 | -0.091 | 0.078 | -0.024 | -0.053 | -0.072 | -0.057 | 1.040 | 1.078 | 99% |
| x | | -0.216 | 0.395 | -0.021 | -0.047 | -0.078 | -0.058 | 1.007 | 1.130 | 98% |
| σ | | 0.317 | 0.647 | 0.004 | 0.034 | 0.016 | 0.002 | 0.052 | 0.099 | 1% |
| %RSD | | 146.400 | 163.800 | 16.870 | 70.590 | 20.840 | 3.241 | 5.129 | 8.788 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 09:56:08 | 98% | -0.057 | -0.045 | -0.074 | -0.062 | -0.063 | 97% | 0.375 |
| 2 | 09:57:16 | 100% | -0.058 | -0.049 | -0.062 | -0.057 | -0.062 | 100% | 0.358 |
| 3 | 09:58:24 | 99% | -0.058 | -0.048 | -0.073 | -0.063 | -0.067 | 101% | 0.348 |
| x | | 99% | -0.057 | -0.047 | -0.070 | -0.061 | -0.064 | 99% | 0.360 |
| σ | | 1% | 0.001 | 0.002 | 0.007 | 0.003 | 0.003 | 2% | 0.013 |
| %RSD | | 1 | 1.006 | 4.386 | 9.492 | 4.786 | 4.413 | 2 | 3.729 |

**C1867-13X25 MF3T90** 05/01/2011 10:02:56 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:04:04 | 94% | -0.117 | 49.000 | 0.000 | 9354.000 | 1263.000 | 1200.000 | 1225.000 | -0.066 |
| 2 | 10:05:12 | 94% | -0.153 | 52.380 | 0.000 | 9553.000 | 1281.000 | 1238.000 | 1244.000 | 0.136 |
| 3 | 10:06:20 | 96% | -0.100 | 47.230 | 0.000 | 9259.000 | 1262.000 | 1203.000 | 1213.000 | 0.128 |
| x | | 94% | -0.123 | 49.540 | 0.000 | 9388.000 | 1269.000 | 1214.000 | 1228.000 | 0.066 |
| σ | | 1% | 0.027 | 2.617 | 0.000 | 150.100 | 10.270 | 21.090 | 15.650 | 0.114 |
| %RSD | | 2 | 22.050 | 5.283 | 0.000 | 1.599 | 0.810 | 1.738 | 1.275 | 172.800 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:04:04 | 676.100 | -2.155 | 0.000 | 0.000 | 239.800 | 5028.000 | 5328.000 | 96% | -0.822 |
| 2 | 10:05:12 | 691.200 | 6.410 | 0.000 | 0.000 | 244.900 | 5216.000 | 5528.000 | 94% | -0.846 |
| 3 | 10:06:20 | 672.300 | -0.366 | 0.000 | 0.000 | 235.400 | 5097.000 | 5378.000 | 97% | -0.969 |
| x | | 679.900 | 1.296 | 0.000 | 0.000 | 240.100 | 5114.000 | 5411.000 | 96% | -0.879 |
| σ | | 9.993 | 4.518 | 0.000 | 0.000 | 4.750 | 95.100 | 104.000 | 1% | 0.079 |
| %RSD | | 1.470 | 348.500 | 0.000 | 0.000 | 1.979 | 1.860 | 1.922 | 1 | 8.986 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:04:04 | 0.473 | 0.950 | 21.840 | 2.099 | -0.052 | 0.301 | 10.150 | -0.041 | -0.090 |
| 2 | 10:05:12 | 0.305 | 0.871 | 22.130 | 2.624 | -0.072 | 1.095 | 9.656 | -0.048 | -0.087 |
| 3 | 10:06:20 | 0.788 | 0.827 | 19.870 | 3.971 | -0.039 | 0.261 | 10.280 | -0.046 | -0.061 |
| x | | 0.522 | 0.883 | 21.280 | 2.898 | -0.055 | 0.552 | 10.030 | -0.045 | -0.079 |
| σ | | 0.245 | 0.062 | 1.232 | 0.966 | 0.016 | 0.470 | 0.327 | 0.003 | 0.016 |
| %RSD | | 46.940 | 7.047 | 5.788 | 33.330 | 29.940 | 85.130 | 3.263 | 7.715 | 20.520 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:04:04 | -0.124 | -0.023 | -0.045 | -0.380 | 0.127 | 0.227 | 0.271 | 0.127 | 1.155 |
| 2 | 10:05:12 | -0.091 | 0.005 | -0.117 | 0.402 | 0.207 | 0.065 | 0.380 | 0.206 | 0.503 |
| 3 | 10:06:20 | -0.125 | -0.080 | -0.096 | -0.376 | -0.176 | 0.197 | 0.439 | -0.175 | 2.508 |
| x | | -0.114 | -0.033 | -0.086 | -0.118 | 0.053 | 0.163 | 0.363 | 0.053 | 1.389 |
| σ | | 0.019 | 0.044 | 0.037 | 0.450 | 0.202 | 0.086 | 0.085 | 0.201 | 1.023 |
| %RSD | | 17.100 | 133.200 | 43.330 | 380.700 | 382.500 | 52.760 | 23.390 | 383.000 | 73.650 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:04:04 | -0.009 | -0.003 | 0.031 | 0.043 | 0.048 | 0.006 | 97% | -0.248 | -0.017 |
| 2 | 10:05:12 | 0.018 | 0.046 | 0.049 | 0.014 | 0.039 | -0.001 | 96% | -0.441 | -0.017 |
| 3 | 10:06:20 | -0.014 | 0.011 | 0.010 | 0.027 | 0.065 | 0.002 | 98% | 0.845 | -0.025 |
| x | | -0.002 | 0.018 | 0.030 | 0.028 | 0.051 | 0.002 | 97% | 0.052 | -0.020 |
| σ | | 0.017 | 0.025 | 0.020 | 0.014 | 0.013 | 0.003 | 1% | 0.693 | 0.005 |
| %RSD | | 1084.000 | 139.900 | 65.610 | 50.420 | 26.480 | 148.700 | 1 | 1332.000 | 22.940 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:04:04 | 0.139 | -0.251 | -0.017 | -0.091 | -0.085 | -0.057 | 1.197 | 1.116 | 98% |
| 2 | 10:05:12 | 0.247 | -0.444 | -0.022 | -0.097 | -0.068 | -0.056 | 1.147 | 1.306 | 97% |
| 3 | 10:06:20 | -0.514 | 0.845 | -0.016 | -0.012 | -0.077 | -0.063 | 1.068 | 1.279 | 98% |
| x | | -0.043 | 0.050 | -0.018 | -0.067 | -0.076 | -0.059 | 1.138 | 1.234 | 98% |
| σ | | 0.411 | 0.695 | 0.003 | 0.047 | 0.008 | 0.004 | 0.065 | 0.103 | 1% |
| %RSD | | 967.100 | 1386.000 | 17.770 | 70.630 | 11.070 | 6.468 | 5.711 | 8.336 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:04:04 | 99% | -0.055 | -0.047 | -0.083 | -0.060 | -0.073 | 100% | 0.365 |
| 2 | 10:05:12 | 97% | -0.055 | -0.048 | -0.074 | -0.055 | -0.066 | 98% | 0.378 |
| 3 | 10:06:20 | 99% | -0.052 | -0.045 | -0.064 | -0.067 | -0.066 | 99% | 0.371 |
| x | | 98% | -0.054 | -0.047 | -0.074 | -0.061 | -0.068 | 99% | 0.372 |
| σ | | 1% | 0.002 | 0.001 | 0.009 | 0.006 | 0.004 | 1% | 0.006 |
| %RSD | | 1 | 3.315 | 2.570 | 12.740 | 9.770 | 5.771 | 1 | 1.732 |

**C1867-14X25 MF3TA8** 05/01/2011 10:10:52 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:12:00 | 93% | -0.135 | 65.670 | 0.000 | 12600.000 | 1947.000 | 1861.000 | 1872.000 | 0.377 |
| 2 | 10:13:08 | 95% | -0.117 | 62.720 | 0.000 | 12580.000 | 1938.000 | 1859.000 | 1897.000 | 0.277 |
| 3 | 10:14:16 | 93% | -0.144 | 65.790 | 0.000 | 12570.000 | 1956.000 | 1876.000 | 1885.000 | 0.384 |
| x | | 94% | -0.132 | 64.730 | 0.000 | 12580.000 | 1947.000 | 1865.000 | 1884.000 | 0.346 |
| σ | | 1% | 0.014 | 1.734 | 0.000 | 14.360 | 9.071 | 9.390 | 12.790 | 0.060 |
| %RSD | | 1 | 10.280 | 2.679 | 0.000 | 0.114 | 0.466 | 0.503 | 0.679 | 17.370 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:12:00 | 1091.000 | 5.497 | 0.000 | 0.000 | 251.300 | 6828.000 | 7127.000 | 94% | -0.727 |
| 2 | 10:13:08 | 1101.000 | 1.169 | 0.000 | 0.000 | 262.100 | 6916.000 | 7265.000 | 93% | -0.812 |
| 3 | 10:14:16 | 1112.000 | 2.436 | 0.000 | 0.000 | 262.500 | 6917.000 | 7240.000 | 93% | -0.812 |
| x | | 1102.000 | 3.034 | 0.000 | 0.000 | 258.600 | 6887.000 | 7211.000 | 93% | -0.784 |
| σ | | 10.750 | 2.225 | 0.000 | 0.000 | 6.340 | 51.390 | 73.550 | 1% | 0.049 |
| %RSD | | 0.976 | 73.340 | 0.000 | 0.000 | 2.451 | 0.746 | 1.020 | 1 | 6.229 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:12:00 | 2.212 | 0.201 | 18.890 | 2.245 | -0.046 | 1.449 | 18.600 | -0.052 | 0.038 |
| 2 | 10:13:08 | 1.944 | 0.233 | 20.440 | 2.760 | -0.029 | 2.735 | 20.720 | -0.042 | 0.080 |
| 3 | 10:14:16 | 1.815 | 0.240 | 20.560 | 0.348 | -0.009 | 1.619 | 22.940 | -0.049 | 0.025 |
| x | | 1.991 | 0.225 | 19.960 | 1.784 | -0.028 | 1.934 | 20.750 | -0.047 | 0.048 |
| σ | | 0.203 | 0.021 | 0.932 | 1.270 | 0.019 | 0.699 | 2.171 | 0.005 | 0.029 |
| %RSD | | 10.180 | 9.155 | 4.668 | 71.190 | 66.500 | 36.140 | 10.460 | 10.870 | 60.620 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:12:00 | 2.739 | 2.839 | 0.343 | 0.581 | 0.522 | 0.079 | 0.148 | 0.522 | 0.103 |
| 2 | 10:13:08 | 2.823 | 2.887 | 0.226 | 0.424 | 0.525 | 0.098 | 0.645 | 0.524 | -0.165 |
| 3 | 10:14:16 | 2.737 | 3.345 | 0.343 | 0.674 | 0.250 | 0.054 | 0.157 | 0.249 | 3.672 |
| x | | 2.766 | 3.024 | 0.304 | 0.560 | 0.432 | 0.077 | 0.317 | 0.432 | 1.203 |
| σ | | 0.049 | 0.279 | 0.067 | 0.126 | 0.158 | 0.022 | 0.284 | 0.158 | 2.142 |
| %RSD | | 1.774 | 9.241 | 22.150 | 22.510 | 36.550 | 28.960 | 89.810 | 36.580 | 178.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:12:00 | 0.005 | 0.048 | 0.065 | 0.087 | 0.035 | -0.001 | 93% | 0.210 | -0.025 |
| 2 | 10:13:08 | -0.027 | 0.043 | 0.064 | 0.024 | 0.067 | 0.006 | 94% | -0.157 | -0.015 |
| 3 | 10:14:16 | 0.005 | 0.092 | 0.043 | 0.032 | 0.046 | 0.006 | 94% | 0.060 | -0.020 |
| x | | -0.006 | 0.061 | 0.057 | 0.048 | 0.049 | 0.004 | 94% | 0.038 | -0.020 |
| σ | | 0.018 | 0.027 | 0.012 | 0.034 | 0.016 | 0.004 | 0% | 0.185 | 0.005 |
| %RSD | | 315.100 | 44.220 | 21.630 | 71.610 | 32.920 | 113.400 | 0 | 488.600 | 23.910 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:12:00 | -0.162 | 0.206 | -0.022 | -0.045 | -0.034 | -0.054 | 1.252 | 1.125 | 96% |
| 2 | 10:13:08 | 0.091 | -0.160 | -0.020 | -0.080 | -0.030 | -0.053 | 1.262 | 1.188 | 96% |
| 3 | 10:14:16 | 0.023 | 0.057 | -0.025 | -0.072 | -0.030 | -0.067 | 1.128 | 1.360 | 95% |
| x | | -0.016 | 0.034 | -0.022 | -0.066 | -0.031 | -0.058 | 1.214 | 1.224 | 96% |
| σ | | 0.131 | 0.184 | 0.002 | 0.018 | 0.002 | 0.008 | 0.075 | 0.122 | 0% |
| %RSD | | 826.300 | 536.500 | 11.190 | 27.450 | 7.206 | 13.960 | 6.168 | 9.945 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:12:00 | 95% | -0.056 | -0.045 | 0.108 | 0.081 | 0.089 | 96% | 0.305 |
| 2 | 10:13:08 | 95% | -0.055 | -0.045 | 0.103 | 0.094 | 0.099 | 96% | 0.298 |
| 3 | 10:14:16 | 96% | -0.051 | -0.048 | 0.086 | 0.090 | 0.086 | 96% | 0.290 |
| x | | 96% | -0.054 | -0.046 | 0.099 | 0.089 | 0.091 | 96% | 0.298 |
| σ | | 0% | 0.003 | 0.002 | 0.012 | 0.006 | 0.007 | 0% | 0.008 |
| %RSD | | 0 | 4.767 | 3.513 | 11.870 | 7.260 | 7.450 | 0 | 2.631 |

**C1867-15X25 MF3TA9** 05/01/2011 10:18:49 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:19:57 | 99% | -0.093 | 68.460 | 0.000 | 12220.000 | 1891.000 | 1844.000 | 1872.000 | 0.126 |
| 2 | 10:21:05 | 97% | -0.118 | 66.060 | 0.000 | 12550.000 | 1932.000 | 1844.000 | 1856.000 | -0.007 |
| 3 | 10:22:13 | 98% | -0.110 | 64.960 | 0.000 | 12260.000 | 1909.000 | 1815.000 | 1850.000 | 0.099 |
| x | | 98% | -0.107 | 66.490 | 0.000 | 12350.000 | 1911.000 | 1834.000 | 1859.000 | 0.073 |
| σ | | 1% | 0.013 | 1.793 | 0.000 | 179.600 | 20.750 | 16.540 | 11.810 | 0.070 |
| %RSD | | 1 | 12.030 | 2.697 | 0.000 | 1.455 | 1.086 | 0.902 | 0.635 | 96.240 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:19:57 | 1093.000 | 4.526 | 0.000 | 0.000 | 227.600 | 6500.000 | 6828.000 | 96% | -0.851 |
| 2 | 10:21:05 | 1105.000 | 3.544 | 0.000 | 0.000 | 222.900 | 6465.000 | 6784.000 | 97% | -0.738 |
| 3 | 10:22:13 | 1119.000 | 2.755 | 0.000 | 0.000 | 220.900 | 6658.000 | 6916.000 | 97% | -0.593 |
| x | | 1106.000 | 3.608 | 0.000 | 0.000 | 223.800 | 6541.000 | 6843.000 | 97% | -0.727 |
| σ | | 12.890 | 0.887 | 0.000 | 0.000 | 3.467 | 102.700 | 67.370 | 1% | 0.129 |
| %RSD | | 1.166 | 24.580 | 0.000 | 0.000 | 1.549 | 1.570 | 0.985 | 1 | 17.780 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:19:57 | 2.527 | 0.189 | 16.010 | -0.514 | -0.071 | 0.862 | 18.970 | -0.052 | 0.040 |
| 2 | 10:21:05 | 2.682 | 0.107 | 15.430 | -0.333 | -0.092 | 0.561 | 24.540 | -0.050 | -0.015 |
| 3 | 10:22:13 | 1.960 | 0.152 | 15.710 | -0.242 | -0.098 | 0.175 | 19.450 | -0.044 | -0.022 |
| x | | 2.390 | 0.149 | 15.720 | -0.363 | -0.087 | 0.533 | 20.990 | -0.049 | 0.001 |
| σ | | 0.380 | 0.041 | 0.291 | 0.139 | 0.014 | 0.344 | 3.083 | 0.004 | 0.034 |
| %RSD | | 15.900 | 27.720 | 1.852 | 38.180 | 16.030 | 64.590 | 14.690 | 8.525 | 3226.000 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:19:57 | 0.690 | 0.675 | -0.107 | 0.495 | 0.625 | 0.083 | -0.137 | 0.624 | 2.115 |
| 2 | 10:21:05 | 0.731 | 0.638 | 0.011 | 0.621 | 0.547 | 0.044 | -0.661 | 0.547 | -1.051 |
| 3 | 10:22:13 | 0.671 | 0.550 | -0.143 | 0.575 | 0.736 | 0.042 | 0.616 | 0.736 | 3.221 |
| x | | 0.698 | 0.621 | -0.080 | 0.564 | 0.636 | 0.056 | -0.061 | 0.635 | 1.428 |
| σ | | 0.031 | 0.064 | 0.080 | 0.064 | 0.095 | 0.023 | 0.642 | 0.095 | 2.218 |
| %RSD | | 4.405 | 10.300 | 101.000 | 11.300 | 14.960 | 41.140 | 1059.000 | 14.950 | 155.300 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:19:57 | 0.002 | 0.017 | 0.049 | 0.006 | 0.035 | 0.002 | 96% | 1.862 | -0.023 |
| 2 | 10:21:05 | -0.008 | 0.051 | 0.053 | 0.029 | 0.033 | 0.006 | 96% | 0.561 | -0.023 |
| 3 | 10:22:13 | -0.038 | 0.055 | 0.053 | 0.044 | 0.024 | 0.006 | 96% | 0.680 | -0.020 |
| x | | -0.015 | 0.041 | 0.052 | 0.027 | 0.030 | 0.005 | 96% | 1.035 | -0.022 |
| σ | | 0.021 | 0.021 | 0.003 | 0.019 | 0.006 | 0.002 | 0% | 0.719 | 0.002 |
| %RSD | | 144.400 | 51.290 | 4.888 | 71.860 | 19.740 | 43.050 | 0 | 69.500 | 8.122 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:19:57 | -1.075 | 1.866 | -0.025 | 0.044 | -0.090 | -0.063 | 1.029 | 1.136 | 97% |
| 2 | 10:21:05 | -0.357 | 0.561 | -0.022 | -0.030 | -0.080 | -0.051 | 1.188 | 1.124 | 96% |
| 3 | 10:22:13 | -0.423 | 0.681 | -0.023 | -0.022 | -0.066 | -0.064 | 1.048 | 1.102 | 97% |
| x | | -0.619 | 1.036 | -0.023 | -0.003 | -0.078 | -0.060 | 1.088 | 1.121 | 97% |
| σ | | 0.397 | 0.721 | 0.002 | 0.041 | 0.012 | 0.007 | 0.087 | 0.018 | 0% |
| %RSD | | 64.190 | 69.610 | 6.868 | 1543.000 | 15.380 | 11.910 | 7.959 | 1.569 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:19:57 | 97% | -0.050 | -0.048 | -0.042 | -0.039 | -0.036 | 97% | 0.295 |
| 2 | 10:21:05 | 97% | -0.048 | -0.047 | -0.037 | -0.039 | -0.039 | 97% | 0.287 |
| 3 | 10:22:13 | 96% | -0.051 | -0.046 | -0.034 | -0.050 | -0.038 | 97% | 0.296 |
| x | | 97% | -0.050 | -0.047 | -0.038 | -0.043 | -0.037 | 97% | 0.293 |
| σ | | 0% | 0.002 | 0.001 | 0.004 | 0.006 | 0.002 | 0% | 0.005 |
| %RSD | | 0 | 3.326 | 2.490 | 10.220 | 14.360 | 4.573 | 0 | 1.708 |

**CCV** 05/01/2011 10:26:44 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:27:52 | 85% | 500.900 | 493.900 | 0.000 | 50100.000 | 49960.000 | 49550.000 | 49370.000 | 9786.000 |
| 2 | 10:29:00 | 87% | 484.000 | 496.200 | 0.000 | 49130.000 | 49450.000 | 48990.000 | 48710.000 | 9857.000 |
| 3 | 10:30:07 | 87% | 484.300 | 496.000 | 0.000 | 49180.000 | 49390.000 | 48920.000 | 48780.000 | 9811.000 |
| x | | 86% | 489.700 | 495.400 | 0.000 | 49470.000 | 49600.000 | 49150.000 | 48950.000 | 9818.000 |
| σ | | 1% | 9.694 | 1.284 | 0.000 | 545.400 | 316.100 | 346.800 | 360.500 | 36.440 |
| %RSD | | 1 | 1.979 | 0.259 | 0.000 | 1.102 | 0.637 | 0.706 | 0.737 | 0.371 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:27:52 | 490.300 | 9838.000 | 0.000 | 0.000 | 25080.000 | 49360.000 | 47710.000 | 86% | 484.600 |
| 2 | 10:29:00 | 493.200 | 9775.000 | 0.000 | 0.000 | 24940.000 | 49040.000 | 47470.000 | 86% | 481.200 |
| 3 | 10:30:07 | 491.900 | 9825.000 | 0.000 | 0.000 | 24960.000 | 50280.000 | 47730.000 | 86% | 486.200 |
| x | | 491.800 | 9813.000 | 0.000 | 0.000 | 24990.000 | 49560.000 | 47640.000 | 86% | 484.000 |
| σ | | 1.455 | 33.550 | 0.000 | 0.000 | 78.660 | 642.100 | 142.400 | 0% | 2.549 |
| %RSD | | 0.296 | 0.342 | 0.000 | 0.000 | 0.315 | 1.296 | 0.299 | 0 | 0.527 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:27:52 | 490.000 | 483.600 | 13.910 | 25040.000 | 971.100 | 24700.000 | 24670.000 | 486.900 | 482.800 |
| 2 | 10:29:00 | 483.700 | 484.800 | 15.230 | 24940.000 | 970.500 | 24220.000 | 24470.000 | 481.200 | 489.400 |
| 3 | 10:30:07 | 488.200 | 483.200 | 16.110 | 25180.000 | 971.000 | 24480.000 | 24590.000 | 485.300 | 491.400 |
| x | | 487.300 | 483.800 | 15.080 | 25050.000 | 970.900 | 24470.000 | 24580.000 | 484.500 | 487.900 |
| σ | | 3.234 | 0.828 | 1.107 | 119.700 | 0.326 | 240.600 | 101.600 | 2.905 | 4.543 |
| %RSD | | 0.664 | 0.171 | 7.341 | 0.478 | 0.034 | 0.983 | 0.414 | 0.600 | 0.931 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:27:52 | 975.300 | 965.100 | 965.600 | 483.200 | 480.700 | -1.333 | 484.700 | 480.100 | 1.840 |
| 2 | 10:29:00 | 967.900 | 968.000 | 962.700 | 479.800 | 479.700 | -1.268 | 485.600 | 478.700 | 1.479 |
| 3 | 10:30:07 | 974.300 | 977.300 | 970.200 | 487.300 | 490.300 | -1.099 | 491.200 | 490.000 | 1.972 |
| x | | 972.500 | 970.200 | 966.100 | 483.400 | 483.600 | -1.234 | 487.200 | 482.900 | 1.764 |
| σ | | 4.042 | 6.394 | 3.775 | 3.742 | 5.865 | 0.121 | 3.553 | 6.161 | 0.255 |
| %RSD | | 0.416 | 0.659 | 0.391 | 0.774 | 1.213 | 9.771 | 0.729 | 1.276 | 14.470 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:27:52 | 472.500 | 474.800 | 474.700 | 471.800 | 471.900 | 0.014 | 86% | 472.900 | 482.000 |
| 2 | 10:29:00 | 476.700 | 474.400 | 474.400 | 472.100 | 475.600 | 0.010 | 86% | 474.800 | 479.000 |
| 3 | 10:30:07 | 482.200 | 484.500 | 487.400 | 489.900 | 487.300 | 0.007 | 85% | 491.500 | 493.300 |
| x | | 477.100 | 477.900 | 478.800 | 477.900 | 478.300 | 0.010 | 86% | 479.700 | 484.800 |
| σ | | 4.863 | 5.684 | 7.416 | 10.320 | 8.043 | 0.004 | 1% | 10.260 | 7.521 |
| %RSD | | 1.019 | 1.189 | 1.549 | 2.160 | 1.682 | 36.420 | 1 | 2.138 | 1.551 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:27:52 | -1.572 | 473.400 | 488.400 | 478.100 | 411.600 | 476.100 | 2417.000 | 2403.000 | 90% |
| 2 | 10:29:00 | -1.024 | 475.200 | 481.000 | 476.100 | 413.100 | 473.700 | 2387.000 | 2389.000 | 91% |
| 3 | 10:30:07 | -12.020 | 491.400 | 490.700 | 489.000 | 419.700 | 480.800 | 2435.000 | 2424.000 | 92% |
| x | | -4.871 | 480.000 | 486.700 | 481.100 | 414.800 | 476.900 | 2413.000 | 2406.000 | 91% |
| σ | | 6.195 | 9.959 | 5.045 | 6.966 | 4.277 | 3.652 | 24.460 | 17.530 | 1% |
| %RSD | | 127.200 | 2.075 | 1.037 | 1.448 | 1.031 | 0.766 | 1.014 | 0.729 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:27:52 | 92% | 485.100 | 486.500 | 488.100 | 484.400 | 486.900 | 90% | 491.700 |
| 2 | 10:29:00 | 92% | 484.600 | 481.800 | 483.300 | 480.100 | 482.200 | 92% | 488.000 |
| 3 | 10:30:07 | 92% | 482.300 | 484.300 | 491.100 | 488.700 | 489.300 | 92% | 490.400 |
| x | | 92% | 484.000 | 484.200 | 487.500 | 484.400 | 486.100 | 91% | 490.000 |
| σ | | 0% | 1.518 | 2.348 | 3.930 | 4.298 | 3.649 | 1% | 1.865 |
| %RSD | | 0 | 0.314 | 0.485 | 0.806 | 0.887 | 0.751 | 1 | 0.381 |

**CCB** 05/01/2011 10:34:37 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:35:45 | 93% | 0.171 | 13.900 | 0.000 | 48.640 | 18.740 | 18.840 | 19.030 | 3.108 |
| 2 | 10:36:53 | 89% | 0.144 | 9.607 | 0.000 | 51.380 | 16.840 | 16.240 | 14.970 | 2.986 |
| 3 | 10:38:01 | 90% | 0.113 | 8.626 | 0.000 | 40.390 | 11.610 | 13.600 | 12.840 | 2.066 |
| x | | 91% | 0.143 | 10.710 | 0.000 | 46.810 | 15.730 | 16.230 | 15.610 | 2.720 |
| σ | | 2% | 0.029 | 2.807 | 0.000 | 5.723 | 3.688 | 2.619 | 3.144 | 0.570 |
| %RSD | | 2 | 20.120 | 26.200 | 0.000 | 12.230 | 23.450 | 16.140 | 20.140 | 20.950 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:35:45 | -0.813 | 8.295 | 0.000 | 0.000 | 11.170 | 11.920 | -31.470 | 91% | -0.376 |
| 2 | 10:36:53 | 0.104 | 14.190 | 0.000 | 0.000 | 15.320 | 4.707 | -34.760 | 88% | -0.797 |
| 3 | 10:38:01 | -0.020 | 5.134 | 0.000 | 0.000 | 8.218 | 15.510 | -37.530 | 89% | -0.800 |
| x | | -0.243 | 9.205 | 0.000 | 0.000 | 11.570 | 10.710 | -34.580 | 90% | -0.658 |
| σ | | 0.498 | 4.594 | 0.000 | 0.000 | 3.568 | 5.502 | 3.031 | 2% | 0.244 |
| %RSD | | 204.900 | 49.910 | 0.000 | 0.000 | 30.840 | 51.360 | 8.766 | 2 | 37.040 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:35:45 | 0.142 | 0.201 | 8.955 | 6.467 | 0.351 | 4.605 | 6.823 | 0.149 | 0.078 |
| 2 | 10:36:53 | -0.731 | 0.177 | 10.420 | 9.375 | 0.290 | 5.701 | 10.190 | 0.132 | 0.055 |
| 3 | 10:38:01 | -0.197 | 0.127 | 8.717 | 10.190 | 0.233 | 3.556 | 8.892 | 0.091 | 0.027 |
| x | | -0.262 | 0.168 | 9.363 | 8.678 | 0.291 | 4.621 | 8.634 | 0.124 | 0.053 |
| σ | | 0.440 | 0.038 | 0.921 | 1.958 | 0.059 | 1.072 | 1.696 | 0.030 | 0.026 |
| %RSD | | 167.800 | 22.690 | 9.841 | 22.560 | 20.290 | 23.210 | 19.650 | 23.940 | 48.530 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:35:45 | 0.294 | 0.317 | 0.466 | 0.274 | 0.579 | 0.018 | -0.200 | 0.578 | -2.574 |
| 2 | 10:36:53 | 0.268 | 0.353 | -0.056 | 0.075 | 0.512 | 0.069 | -0.337 | 0.511 | -2.650 |
| 3 | 10:38:01 | 0.180 | 0.212 | -0.046 | 0.209 | 0.504 | 0.022 | -0.724 | 0.503 | -1.576 |
| x | | 0.247 | 0.294 | 0.121 | 0.186 | 0.532 | 0.036 | -0.420 | 0.530 | -2.267 |
| σ | | 0.059 | 0.073 | 0.298 | 0.101 | 0.041 | 0.028 | 0.272 | 0.041 | 0.599 |
| %RSD | | 24.060 | 25.010 | 245.800 | 54.430 | 7.707 | 77.590 | 64.670 | 7.801 | 26.430 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:35:45 | 0.555 | 0.798 | 0.774 | 0.777 | 0.789 | 0.010 | 91% | 1.115 | 0.294 |
| 2 | 10:36:53 | 0.402 | 0.544 | 0.472 | 0.543 | 0.559 | 0.003 | 89% | 0.315 | 0.191 |
| 3 | 10:38:01 | 0.249 | 0.387 | 0.423 | 0.292 | 0.401 | -0.001 | 91% | -0.479 | 0.116 |
| x | | 0.402 | 0.576 | 0.556 | 0.537 | 0.583 | 0.004 | 90% | 0.317 | 0.201 |
| σ | | 0.154 | 0.208 | 0.190 | 0.242 | 0.195 | 0.005 | 1% | 0.797 | 0.089 |
| %RSD | | 38.200 | 36.070 | 34.150 | 45.110 | 33.470 | 147.400 | 1 | 251.400 | 44.570 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:35:45 | -0.555 | 1.113 | 0.271 | 0.305 | 0.333 | 0.585 | 0.735 | 0.927 | 93% |
| 2 | 10:36:53 | -0.058 | 0.312 | 0.210 | 0.217 | 0.277 | 0.421 | 0.737 | 0.802 | 91% |
| 3 | 10:38:01 | 0.217 | -0.481 | 0.168 | 0.077 | 0.183 | 0.302 | 0.584 | 0.594 | 91% |
| x | | -0.132 | 0.315 | 0.216 | 0.200 | 0.264 | 0.436 | 0.685 | 0.775 | 92% |
| σ | | 0.391 | 0.797 | 0.052 | 0.115 | 0.076 | 0.142 | 0.088 | 0.168 | 1% |
| %RSD | | 295.600 | 253.300 | 24.070 | 57.620 | 28.760 | 32.670 | 12.790 | 21.710 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:35:45 | 93% | 0.279 | 0.298 | 0.182 | 0.193 | 0.187 | 95% | 0.182 |
| 2 | 10:36:53 | 93% | 0.170 | 0.182 | 0.114 | 0.092 | 0.115 | 94% | 0.154 |
| 3 | 10:38:01 | 93% | 0.128 | 0.110 | 0.083 | 0.073 | 0.084 | 93% | 0.116 |
| x | | 93% | 0.192 | 0.196 | 0.126 | 0.119 | 0.128 | 94% | 0.151 |
| σ | | 0% | 0.078 | 0.095 | 0.051 | 0.064 | 0.053 | 1% | 0.033 |
| %RSD | | 0 | 40.610 | 48.390 | 40.270 | 54.080 | 41.080 | 1 | 22.050 |

**C1867-16 MF3TD0** 05/01/2011 10:42:31 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:43:39 | 94% | 0.055 | 1133.000 | 0.000 | 284800.000 | 67910.000 | 67410.000 | 67300.000 | 2.814 |
| 2 | 10:44:47 | 96% | -0.011 | 1136.000 | 0.000 | 279500.000 | 68020.000 | 67210.000 | 66920.000 | 3.436 |
| 3 | 10:45:55 | 96% | 0.007 | 1172.000 | 0.000 | 289600.000 | 71050.000 | 71100.000 | 70150.000 | 2.512 |
| x | | 96% | 0.017 | 1147.000 | 0.000 | 284600.000 | 68990.000 | 68570.000 | 68120.000 | 2.921 |
| σ | | 1% | 0.034 | 21.850 | 0.000 | 5086.000 | 1782.000 | 2189.000 | 1764.000 | 0.471 |
| %RSD | | 1 | 200.900 | 1.905 | 0.000 | 1.787 | 2.583 | 3.192 | 2.590 | 16.130 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:43:39 | 19600.000 | 0.215 | 0.000 | 0.000 | 8855.000 | 290700.000 | 306300.000 | 97% | 0.902 |
| 2 | 10:44:47 | 19380.000 | -4.941 | 0.000 | 0.000 | 8869.000 | 291500.000 | 298900.000 | 97% | 0.947 |
| 3 | 10:45:55 | 20480.000 | -1.366 | 0.000 | 0.000 | 9410.000 | 309900.000 | 326400.000 | 93% | 1.468 |
| x | | 19820.000 | -2.031 | 0.000 | 0.000 | 9044.000 | 297400.000 | 310500.000 | 96% | 1.106 |
| σ | | 581.200 | 2.641 | 0.000 | 0.000 | 316.300 | 10890.000 | 14240.000 | 2% | 0.315 |
| %RSD | | 2.933 | 130.100 | 0.000 | 0.000 | 3.497 | 3.662 | 4.586 | 2 | 28.470 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:43:39 | 23.470 | 0.766 | 156.000 | 12.490 | 0.327 | 26.620 | 981.500 | 0.069 | 2.760 |
| 2 | 10:44:47 | 24.780 | 0.651 | 157.800 | 11.450 | 0.185 | 23.650 | 936.500 | 0.049 | 2.578 |
| 3 | 10:45:55 | 26.560 | 0.825 | 173.400 | 11.740 | 0.268 | 27.060 | 1012.000 | 0.031 | 2.884 |
| x | | 24.940 | 0.748 | 162.400 | 11.890 | 0.260 | 25.770 | 976.800 | 0.050 | 2.741 |
| σ | | 1.552 | 0.089 | 9.525 | 0.534 | 0.071 | 1.855 | 38.160 | 0.019 | 0.154 |
| %RSD | | 6.222 | 11.850 | 5.865 | 4.489 | 27.460 | 7.198 | 3.907 | 37.650 | 5.618 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:43:39 | 1.701 | 2.155 | 4.188 | 7.758 | 30.650 | 0.595 | 21.910 | 31.120 | -0.901 |
| 2 | 10:44:47 | 1.716 | 2.154 | 4.464 | 7.553 | 28.680 | 0.738 | 21.350 | 29.080 | 1.147 |
| 3 | 10:45:55 | 1.684 | 1.927 | 4.552 | 7.268 | 31.720 | 1.045 | 23.380 | 32.160 | -1.233 |
| x | | 1.701 | 2.079 | 4.401 | 7.526 | 30.350 | 0.793 | 22.210 | 30.790 | -0.329 |
| σ | | 0.016 | 0.132 | 0.190 | 0.246 | 1.538 | 0.230 | 1.047 | 1.566 | 1.289 |
| %RSD | | 0.943 | 6.332 | 4.316 | 3.269 | 5.068 | 29.030 | 4.713 | 5.087 | 391.800 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:43:39 | 3.454 | 0.825 | 0.993 | 1.018 | 0.879 | 0.011 | 80% | 0.383 | 0.110 |
| 2 | 10:44:47 | 3.307 | 0.813 | 0.735 | 0.900 | 0.753 | 0.007 | 81% | 0.424 | 0.110 |
| 3 | 10:45:55 | 4.242 | 0.746 | 0.911 | 0.874 | 0.743 | 0.007 | 78% | 0.034 | 0.053 |
| x | | 3.668 | 0.795 | 0.880 | 0.930 | 0.792 | 0.008 | 80% | 0.280 | 0.091 |
| σ | | 0.503 | 0.043 | 0.132 | 0.077 | 0.076 | 0.002 | 2% | 0.214 | 0.033 |
| %RSD | | 13.720 | 5.407 | 15.000 | 8.273 | 9.605 | 27.840 | 2 | 76.470 | 35.880 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:43:39 | -0.070 | 0.366 | 0.105 | 0.101 | 0.181 | 0.241 | 26.090 | 25.780 | 87% |
| 2 | 10:44:47 | -0.156 | 0.409 | 0.056 | 0.049 | 0.112 | 0.146 | 24.560 | 24.550 | 89% |
| 3 | 10:45:55 | 0.004 | 0.018 | 0.036 | 0.014 | 0.057 | 0.119 | 27.240 | 26.790 | 85% |
| x | | -0.074 | 0.264 | 0.066 | 0.054 | 0.117 | 0.169 | 25.960 | 25.710 | 87% |
| σ | | 0.080 | 0.215 | 0.036 | 0.044 | 0.062 | 0.064 | 1.340 | 1.119 | 2% |
| %RSD | | 107.800 | 81.230 | 54.230 | 80.630 | 53.300 | 38.150 | 5.163 | 4.353 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:43:39 | 88% | 0.174 | 0.174 | 0.324 | 0.334 | 0.337 | 84% | 10.230 |
| 2 | 10:44:47 | 89% | 0.051 | 0.068 | 0.221 | 0.195 | 0.216 | 86% | 9.936 |
| 3 | 10:45:55 | 86% | 0.036 | 0.044 | 0.250 | 0.201 | 0.226 | 82% | 10.910 |
| x | | 88% | 0.087 | 0.095 | 0.265 | 0.243 | 0.260 | 84% | 10.360 |
| σ | | 1% | 0.076 | 0.069 | 0.053 | 0.078 | 0.067 | 2% | 0.503 |
| %RSD | | 2 | 87.360 | 72.790 | 20.050 | 32.220 | 25.710 | 2 | 4.852 |

**C1867-17 MF3T78** 05/01/2011 10:50:25 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:51:33 | 89% | -0.057 | 1022.000 | 0.000 | 266400.000 | 57370.000 | 56740.000 | 56400.000 | 1.152 |
| 2 | 10:52:41 | 88% | -0.066 | 993.100 | 0.000 | 263900.000 | 57060.000 | 56570.000 | 56020.000 | 1.056 |
| 3 | 10:53:49 | 89% | -0.115 | 958.700 | 0.000 | 260500.000 | 55760.000 | 55370.000 | 55510.000 | 0.715 |
| x | | 89% | -0.079 | 991.200 | 0.000 | 263600.000 | 56730.000 | 56220.000 | 55980.000 | 0.974 |
| σ | | 0% | 0.031 | 31.530 | 0.000 | 2975.000 | 853.400 | 747.200 | 445.600 | 0.229 |
| %RSD | | 0 | 39.350 | 3.181 | 0.000 | 1.129 | 1.504 | 1.329 | 0.796 | 23.530 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:51:33 | 21350.000 | -5.458 | 0.000 | 0.000 | 7086.000 | 215400.000 | 241800.000 | 94% | 1.076 |
| 2 | 10:52:41 | 21230.000 | -1.566 | 0.000 | 0.000 | 7083.000 | 213500.000 | 238800.000 | 95% | 0.799 |
| 3 | 10:53:49 | 20830.000 | -6.035 | 0.000 | 0.000 | 7056.000 | 214000.000 | 238200.000 | 94% | 0.447 |
| x | | 21140.000 | -4.353 | 0.000 | 0.000 | 7075.000 | 214300.000 | 239600.000 | 94% | 0.774 |
| σ | | 274.900 | 2.431 | 0.000 | 0.000 | 16.690 | 998.200 | 1944.000 | 0% | 0.315 |
| %RSD | | 1.301 | 55.840 | 0.000 | 0.000 | 0.236 | 0.466 | 0.812 | 0 | 40.690 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:51:33 | 33.730 | 57.200 | 168.700 | -1.004 | 0.088 | 6.528 | 652.700 | 0.215 | 2.727 |
| 2 | 10:52:41 | 32.910 | 56.490 | 177.900 | -3.294 | 0.056 | 5.175 | 671.700 | 0.208 | 2.413 |
| 3 | 10:53:49 | 32.350 | 55.830 | 182.000 | 1.559 | 0.051 | 5.002 | 626.900 | 0.168 | 2.609 |
| x | | 33.000 | 56.510 | 176.200 | -0.913 | 0.065 | 5.568 | 650.400 | 0.197 | 2.583 |
| σ | | 0.696 | 0.686 | 6.796 | 2.428 | 0.020 | 0.836 | 22.480 | 0.025 | 0.159 |
| %RSD | | 2.110 | 1.214 | 3.857 | 265.900 | 30.680 | 15.000 | 3.456 | 12.870 | 6.140 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:51:33 | 1.647 | 1.949 | 4.386 | 7.239 | 22.990 | 1.164 | 17.290 | 23.290 | -1.805 |
| 2 | 10:52:41 | 1.498 | 1.682 | 4.425 | 8.456 | 22.870 | 1.036 | 17.380 | 23.180 | 1.474 |
| 3 | 10:53:49 | 1.409 | 2.045 | 4.303 | 8.072 | 22.720 | 1.018 | 14.860 | 22.990 | 1.709 |
| x | | 1.518 | 1.892 | 4.372 | 7.922 | 22.860 | 1.073 | 16.510 | 23.150 | 0.459 |
| σ | | 0.120 | 0.188 | 0.062 | 0.622 | 0.138 | 0.080 | 1.428 | 0.152 | 1.964 |
| %RSD | | 7.910 | 9.953 | 1.428 | 7.850 | 0.605 | 7.439 | 8.648 | 0.654 | 427.600 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:51:33 | 2.333 | 1.221 | 1.207 | 1.431 | 1.325 | 0.003 | 80% | 1.081 | 0.028 |
| 2 | 10:52:41 | 3.818 | 1.236 | 1.190 | 1.453 | 1.057 | 0.007 | 80% | 0.702 | 0.023 |
| 3 | 10:53:49 | 2.728 | 1.284 | 1.123 | 1.294 | 1.151 | 0.003 | 81% | -1.017 | 0.002 |
| x | | 2.959 | 1.247 | 1.173 | 1.393 | 1.178 | 0.004 | 80% | 0.255 | 0.018 |
| σ | | 0.769 | 0.033 | 0.044 | 0.086 | 0.136 | 0.002 | 0% | 1.118 | 0.014 |
| %RSD | | 25.990 | 2.654 | 3.762 | 6.159 | 11.540 | 54.910 | 1 | 437.700 | 78.690 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:51:33 | -0.453 | 1.062 | 0.006 | 0.002 | -0.010 | 0.069 | 20.000 | 21.900 | 89% |
| 2 | 10:52:41 | -0.185 | 0.683 | 0.013 | -0.027 | -0.000 | 0.076 | 20.830 | 21.270 | 89% |
| 3 | 10:53:49 | 0.521 | -1.034 | -0.000 | -0.106 | -0.030 | 0.048 | 20.540 | 20.820 | 89% |
| x | | -0.039 | 0.237 | 0.006 | -0.043 | -0.013 | 0.064 | 20.460 | 21.330 | 89% |
| σ | | 0.503 | 1.117 | 0.007 | 0.056 | 0.015 | 0.015 | 0.424 | 0.545 | 0% |
| %RSD | | 1294.000 | 471.300 | 108.100 | 128.500 | 112.000 | 22.780 | 2.074 | 2.555 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:51:33 | 89% | -0.011 | 0.007 | 0.217 | 0.154 | 0.178 | 86% | 10.170 |
| 2 | 10:52:41 | 90% | -0.009 | -0.008 | 0.203 | 0.162 | 0.177 | 86% | 10.370 |
| 3 | 10:53:49 | 90% | -0.022 | -0.020 | 0.152 | 0.134 | 0.159 | 88% | 10.220 |
| x | | 90% | -0.014 | -0.007 | 0.191 | 0.150 | 0.171 | 87% | 10.250 |
| σ | | 0% | 0.007 | 0.014 | 0.034 | 0.014 | 0.011 | 1% | 0.102 |
| %RSD | | 0 | 51.450 | 200.200 | 17.870 | 9.489 | 6.314 | 1 | 0.993 |

**C1867-18 MF3T93** 05/01/2011 10:58:19 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:59:27 | 89% | -0.008 | 906.200 | 0.000 | 257800.000 | 54560.000 | 53970.000 | 53750.000 | 0.734 |
| 2 | 11:00:35 | 88% | -0.114 | 915.300 | 0.000 | 262500.000 | 55750.000 | 55070.000 | 54880.000 | 0.847 |
| 3 | 11:01:43 | 88% | -0.104 | 946.300 | 0.000 | 260500.000 | 55310.000 | 54760.000 | 54190.000 | 0.739 |
| x | | 88% | -0.075 | 922.600 | 0.000 | 260300.000 | 55210.000 | 54600.000 | 54280.000 | 0.773 |
| σ | | 1% | 0.058 | 21.040 | 0.000 | 2379.000 | 601.600 | 571.100 | 570.500 | 0.064 |
| %RSD | | 1 | 77.630 | 2.281 | 0.000 | 0.914 | 1.090 | 1.046 | 1.051 | 8.224 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:59:27 | 15980.000 | -7.838 | 0.000 | 0.000 | 6714.000 | 163400.000 | 181700.000 | 86% | 0.296 |
| 2 | 11:00:35 | 16440.000 | -4.856 | 0.000 | 0.000 | 6908.000 | 165700.000 | 184500.000 | 84% | 0.498 |
| 3 | 11:01:43 | 16250.000 | -4.320 | 0.000 | 0.000 | 6724.000 | 165600.000 | 181100.000 | 84% | 0.320 |
| x | | 16220.000 | -5.671 | 0.000 | 0.000 | 6782.000 | 164900.000 | 182400.000 | 85% | 0.371 |
| σ | | 234.700 | 1.896 | 0.000 | 0.000 | 109.300 | 1279.000 | 1828.000 | 1% | 0.110 |
| %RSD | | 1.447 | 33.430 | 0.000 | 0.000 | 1.612 | 0.776 | 1.002 | 1 | 29.740 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:59:27 | 25.680 | 1.729 | 189.300 | 3.680 | 0.453 | 9.165 | 489.400 | 0.011 | 1.696 |
| 2 | 11:00:35 | 27.030 | 1.743 | 202.900 | 3.298 | 0.484 | 10.050 | 469.200 | -0.028 | 1.582 |
| 3 | 11:01:43 | 27.300 | 1.843 | 206.700 | 4.062 | 0.404 | 9.757 | 496.000 | -0.042 | 1.990 |
| x | | 26.670 | 1.772 | 199.600 | 3.680 | 0.447 | 9.656 | 484.900 | -0.020 | 1.756 |
| σ | | 0.865 | 0.062 | 9.153 | 0.382 | 0.040 | 0.450 | 13.960 | 0.027 | 0.210 |
| %RSD | | 3.242 | 3.510 | 4.585 | 10.380 | 9.020 | 4.656 | 2.878 | 138.600 | 11.970 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:59:27 | 1.566 | 1.729 | 6.742 | 5.814 | 21.880 | 1.060 | 17.420 | 21.960 | 4.707 |
| 2 | 11:00:35 | 1.719 | 1.615 | 7.158 | 5.704 | 20.870 | 1.157 | 17.580 | 20.900 | -1.528 |
| 3 | 11:01:43 | 1.610 | 1.844 | 6.866 | 5.800 | 20.510 | 1.154 | 17.120 | 20.560 | 0.864 |
| x | | 1.632 | 1.730 | 6.922 | 5.773 | 21.090 | 1.124 | 17.370 | 21.140 | 1.348 |
| σ | | 0.079 | 0.115 | 0.214 | 0.060 | 0.712 | 0.056 | 0.230 | 0.727 | 3.146 |
| %RSD | | 4.846 | 6.634 | 3.090 | 1.039 | 3.375 | 4.939 | 1.325 | 3.441 | 233.400 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:59:27 | 3.806 | 3.031 | 3.004 | 3.345 | 3.118 | 0.019 | 81% | -1.280 | 0.052 |
| 2 | 11:00:35 | 3.456 | 3.244 | 3.091 | 3.433 | 3.021 | 0.007 | 81% | -0.809 | 0.024 |
| 3 | 11:01:43 | 3.480 | 3.267 | 2.855 | 3.099 | 3.138 | 0.003 | 80% | 0.171 | 0.019 |
| x | | 3.581 | 3.180 | 2.983 | 3.292 | 3.092 | 0.010 | 81% | -0.639 | 0.031 |
| σ | | 0.195 | 0.130 | 0.119 | 0.173 | 0.062 | 0.008 | 0% | 0.740 | 0.018 |
| %RSD | | 5.457 | 4.088 | 4.001 | 5.248 | 2.013 | 86.660 | 1 | 115.700 | 56.190 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:59:27 | 0.783 | -1.296 | 0.032 | -0.070 | -0.017 | 0.019 | 48.580 | 50.970 | 89% |
| 2 | 11:00:35 | 0.405 | -0.824 | 0.039 | -0.071 | -0.028 | 0.008 | 51.100 | 50.830 | 88% |
| 3 | 11:01:43 | -0.133 | 0.153 | 0.006 | 0.011 | -0.034 | 0.018 | 48.960 | 49.790 | 89% |
| x | | 0.352 | -0.655 | 0.025 | -0.043 | -0.026 | 0.015 | 49.550 | 50.530 | 89% |
| σ | | 0.460 | 0.739 | 0.018 | 0.047 | 0.009 | 0.006 | 1.360 | 0.643 | 1% |
| %RSD | | 130.800 | 112.800 | 69.370 | 107.900 | 33.960 | 39.220 | 2.746 | 1.272 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 10:59:27 | 90% | -0.026 | -0.011 | 0.206 | 0.160 | 0.189 | 87% | 17.540 |
| 2 | 11:00:35 | 89% | -0.033 | -0.023 | 0.161 | 0.176 | 0.178 | 87% | 17.440 |
| 3 | 11:01:43 | 89% | -0.033 | -0.038 | 0.205 | 0.166 | 0.173 | 87% | 17.310 |
| x | | 90% | -0.030 | -0.024 | 0.191 | 0.167 | 0.180 | 87% | 17.430 |
| σ | | 1% | 0.004 | 0.014 | 0.026 | 0.008 | 0.008 | 0% | 0.116 |
| %RSD | | 1 | 12.060 | 56.430 | 13.490 | 4.957 | 4.520 | 0 | 0.666 |

**C1867-19 MF3T93D** 05/01/2011 11:06:14 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:07:22 | 91% | -0.106 | 933.200 | 0.000 | 263500.000 | 55380.000 | 55580.000 | 55270.000 | 0.495 |
| 2 | 11:08:30 | 93% | -0.088 | 922.000 | 0.000 | 254200.000 | 53910.000 | 53450.000 | 53640.000 | 0.729 |
| 3 | 11:09:38 | 93% | -0.116 | 906.100 | 0.000 | 254300.000 | 53610.000 | 52890.000 | 52920.000 | 0.429 |
| x | | 92% | -0.104 | 920.400 | 0.000 | 257300.000 | 54300.000 | 53970.000 | 53940.000 | 0.551 |
| σ | | 1% | 0.014 | 13.650 | 0.000 | 5339.000 | 943.900 | 1420.000 | 1205.000 | 0.157 |
| %RSD | | 1 | 13.660 | 1.482 | 0.000 | 2.075 | 1.738 | 2.631 | 2.235 | 28.530 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:07:22 | 16470.000 | -2.438 | 0.000 | 0.000 | 6889.000 | 167900.000 | 186300.000 | 86% | 1.115 |
| 2 | 11:08:30 | 16050.000 | -6.673 | 0.000 | 0.000 | 6699.000 | 161400.000 | 178200.000 | 87% | 0.400 |
| 3 | 11:09:38 | 15930.000 | -6.661 | 0.000 | 0.000 | 6568.000 | 158700.000 | 176100.000 | 90% | 0.586 |
| x | | 16150.000 | -5.258 | 0.000 | 0.000 | 6719.000 | 162700.000 | 180200.000 | 88% | 0.700 |
| σ | | 282.900 | 2.442 | 0.000 | 0.000 | 161.100 | 4687.000 | 5381.000 | 2% | 0.371 |
| %RSD | | 1.752 | 46.440 | 0.000 | 0.000 | 2.398 | 2.881 | 2.986 | 2 | 52.980 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:07:22 | 25.130 | 1.906 | 197.400 | 3.002 | 0.388 | 9.764 | 520.200 | -0.018 | 2.050 |
| 2 | 11:08:30 | 25.280 | 1.537 | 200.400 | 1.828 | 0.357 | 9.595 | 517.100 | -0.014 | 1.804 |
| 3 | 11:09:38 | 26.310 | 1.664 | 197.900 | 1.135 | 0.397 | 8.587 | 508.000 | -0.029 | 1.884 |
| x | | 25.570 | 1.702 | 198.600 | 1.988 | 0.381 | 9.315 | 515.100 | -0.020 | 1.912 |
| σ | | 0.646 | 0.188 | 1.617 | 0.944 | 0.021 | 0.636 | 6.322 | 0.008 | 0.126 |
| %RSD | | 2.527 | 11.020 | 0.814 | 47.480 | 5.483 | 6.829 | 1.227 | 38.850 | 6.580 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:07:22 | 1.654 | 2.150 | 7.348 | 6.113 | 23.180 | 1.081 | 17.640 | 23.260 | 2.695 |
| 2 | 11:08:30 | 1.688 | 1.838 | 7.120 | 4.948 | 20.540 | 1.178 | 16.730 | 20.600 | 0.104 |
| 3 | 11:09:38 | 1.797 | 1.894 | 6.658 | 5.807 | 19.490 | 1.156 | 15.490 | 19.580 | 0.955 |
| x | | 1.713 | 1.961 | 7.042 | 5.623 | 21.070 | 1.139 | 16.620 | 21.150 | 1.251 |
| σ | | 0.075 | 0.166 | 0.352 | 0.604 | 1.901 | 0.051 | 1.080 | 1.899 | 1.321 |
| %RSD | | 4.381 | 8.488 | 4.993 | 10.750 | 9.022 | 4.468 | 6.500 | 8.982 | 105.500 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:07:22 | 3.827 | 3.167 | 2.921 | 3.322 | 3.062 | 0.003 | 81% | 0.276 | 0.022 |
| 2 | 11:08:30 | 2.704 | 3.010 | 2.794 | 3.225 | 3.009 | 0.011 | 83% | 0.379 | 0.001 |
| 3 | 11:09:38 | 2.402 | 3.049 | 2.842 | 3.159 | 3.019 | 0.007 | 83% | 0.061 | -0.001 |
| x | | 2.978 | 3.076 | 2.852 | 3.235 | 3.030 | 0.007 | 83% | 0.239 | 0.007 |
| σ | | 0.751 | 0.082 | 0.064 | 0.082 | 0.028 | 0.004 | 1% | 0.162 | 0.013 |
| %RSD | | 25.220 | 2.653 | 2.242 | 2.540 | 0.927 | 57.280 | 1 | 67.860 | 173.500 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:07:22 | -0.074 | 0.261 | 0.013 | -0.025 | -0.044 | 0.010 | 51.840 | 49.690 | 89% |
| 2 | 11:08:30 | -0.134 | 0.364 | 0.003 | -0.048 | -0.042 | 0.006 | 49.880 | 49.060 | 91% |
| 3 | 11:09:38 | -0.016 | 0.046 | 0.008 | -0.061 | -0.033 | -0.005 | 49.200 | 48.630 | 91% |
| x | | -0.075 | 0.224 | 0.008 | -0.045 | -0.040 | 0.004 | 50.310 | 49.120 | 90% |
| σ | | 0.059 | 0.162 | 0.005 | 0.018 | 0.006 | 0.008 | 1.371 | 0.532 | 1% |
| %RSD | | 78.560 | 72.510 | 64.570 | 40.520 | 14.370 | 208.000 | 2.726 | 1.082 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:07:22 | 89% | -0.040 | -0.037 | 0.224 | 0.208 | 0.229 | 85% | 17.860 |
| 2 | 11:08:30 | 91% | -0.040 | -0.040 | 0.214 | 0.196 | 0.204 | 88% | 16.970 |
| 3 | 11:09:38 | 92% | -0.048 | -0.040 | 0.189 | 0.167 | 0.197 | 88% | 17.110 |
| x | | 91% | -0.043 | -0.039 | 0.209 | 0.190 | 0.210 | 87% | 17.310 |
| σ | | 1% | 0.005 | 0.002 | 0.018 | 0.021 | 0.017 | 2% | 0.480 |
| %RSD | | 1 | 10.800 | 4.859 | 8.537 | 11.080 | 8.002 | 2 | 2.774 |

**C1867-18LX5 MF3T93L** 05/01/2011 11:14:10 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:15:17 | 97% | -0.118 | 212.400 | 0.000 | 53520.000 | 11400.000 | 11440.000 | 11140.000 | 0.308 |
| 2 | 11:16:26 | 94% | -0.126 | 230.200 | 0.000 | 54260.000 | 11630.000 | 11530.000 | 11220.000 | 0.485 |
| 3 | 11:17:34 | 95% | -0.054 | 212.800 | 0.000 | 53760.000 | 11340.000 | 11460.000 | 11110.000 | 0.206 |
| x | | 95% | -0.099 | 218.400 | 0.000 | 53850.000 | 11460.000 | 11480.000 | 11150.000 | 0.333 |
| σ | | 1% | 0.039 | 10.180 | 0.000 | 374.400 | 154.300 | 47.100 | 58.060 | 0.141 |
| %RSD | | 1 | 39.700 | 4.660 | 0.000 | 0.695 | 1.346 | 0.410 | 0.521 | 42.490 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:15:17 | 3292.000 | -3.085 | 0.000 | 0.000 | 1368.000 | 33380.000 | 35580.000 | 94% | -0.575 |
| 2 | 11:16:26 | 3374.000 | -0.417 | 0.000 | 0.000 | 1350.000 | 32680.000 | 35120.000 | 95% | -0.907 |
| 3 | 11:17:34 | 3347.000 | -0.942 | 0.000 | 0.000 | 1347.000 | 32990.000 | 34770.000 | 95% | -0.583 |
| x | | 3338.000 | -1.481 | 0.000 | 0.000 | 1355.000 | 33010.000 | 35160.000 | 95% | -0.688 |
| σ | | 41.520 | 1.414 | 0.000 | 0.000 | 11.740 | 351.300 | 409.200 | 1% | 0.189 |
| %RSD | | 1.244 | 95.430 | 0.000 | 0.000 | 0.867 | 1.064 | 1.164 | 1 | 27.500 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:15:17 | 5.170 | 0.461 | 64.090 | 2.075 | 0.024 | 1.518 | 101.200 | -0.020 | 0.249 |
| 2 | 11:16:26 | 4.389 | 0.420 | 63.240 | 3.686 | 0.027 | 1.267 | 105.800 | -0.036 | 0.347 |
| 3 | 11:17:34 | 5.126 | 0.386 | 61.860 | 0.980 | 0.006 | 2.159 | 103.000 | -0.029 | 0.344 |
| x | | 4.895 | 0.423 | 63.070 | 2.247 | 0.019 | 1.648 | 103.300 | -0.028 | 0.313 |
| σ | | 0.439 | 0.037 | 1.126 | 1.361 | 0.012 | 0.460 | 2.320 | 0.008 | 0.056 |
| %RSD | | 8.965 | 8.850 | 1.785 | 60.590 | 60.780 | 27.910 | 2.245 | 29.300 | 17.770 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:15:17 | 0.241 | 0.322 | 1.522 | 1.800 | 4.111 | 0.216 | 3.357 | 4.104 | 1.827 |
| 2 | 11:16:26 | 0.288 | 0.306 | 1.621 | 1.531 | 3.443 | 0.261 | 2.994 | 3.441 | 0.073 |
| 3 | 11:17:34 | 0.306 | 0.348 | 1.828 | 0.825 | 4.537 | 0.341 | 3.297 | 4.533 | -0.317 |
| x | | 0.278 | 0.325 | 1.657 | 1.385 | 4.030 | 0.272 | 3.216 | 4.026 | 0.528 |
| σ | | 0.033 | 0.021 | 0.156 | 0.504 | 0.552 | 0.063 | 0.195 | 0.550 | 1.142 |
| %RSD | | 12.010 | 6.395 | 9.415 | 36.360 | 13.690 | 23.180 | 6.050 | 13.660 | 216.300 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:15:17 | 0.329 | 0.473 | 0.530 | 0.672 | 0.544 | 0.006 | 94% | 0.374 | -0.023 |
| 2 | 11:16:26 | 0.284 | 0.568 | 0.467 | 0.528 | 0.603 | 0.002 | 94% | -0.481 | -0.026 |
| 3 | 11:17:34 | 0.321 | 0.548 | 0.416 | 0.637 | 0.537 | 0.002 | 95% | 0.012 | -0.025 |
| x | | 0.311 | 0.530 | 0.471 | 0.612 | 0.561 | 0.004 | 94% | -0.032 | -0.025 |
| σ | | 0.024 | 0.050 | 0.057 | 0.075 | 0.036 | 0.002 | 0% | 0.429 | 0.002 |
| %RSD | | 7.776 | 9.424 | 12.140 | 12.300 | 6.387 | 56.840 | 1 | 1361.000 | 6.393 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:15:17 | -0.098 | 0.369 | -0.020 | -0.052 | -0.049 | -0.058 | 9.488 | 9.525 | 97% |
| 2 | 11:16:26 | 0.221 | -0.488 | -0.023 | -0.101 | -0.062 | -0.038 | 8.985 | 9.818 | 97% |
| 3 | 11:17:34 | -0.002 | 0.008 | -0.022 | -0.057 | -0.073 | -0.051 | 9.356 | 9.581 | 97% |
| x | | 0.040 | -0.037 | -0.022 | -0.070 | -0.061 | -0.049 | 9.277 | 9.642 | 97% |
| σ | | 0.164 | 0.430 | 0.002 | 0.027 | 0.012 | 0.010 | 0.261 | 0.155 | 0% |
| %RSD | | 407.800 | 1166.000 | 7.444 | 38.000 | 19.930 | 20.610 | 2.811 | 1.612 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:15:17 | 98% | -0.057 | -0.048 | -0.026 | -0.009 | -0.023 | 95% | 3.328 |
| 2 | 11:16:26 | 98% | -0.061 | -0.051 | -0.026 | -0.039 | -0.030 | 96% | 3.347 |
| 3 | 11:17:34 | 98% | -0.060 | -0.051 | -0.026 | -0.030 | -0.027 | 97% | 3.270 |
| x | | 98% | -0.059 | -0.050 | -0.026 | -0.026 | -0.027 | 96% | 3.315 |
| σ | | 0% | 0.002 | 0.002 | 0.000 | 0.015 | 0.003 | 1% | 0.040 |
| %RSD | | 0 | 2.887 | 3.762 | 0.668 | 57.810 | 12.930 | 1 | 1.215 |

**C1867-16X25 MF3TD0** 05/01/2011 11:22:05 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:23:13 | 100% | -0.120 | 68.600 | 0.000 | 13100.000 | 3207.000 | 3099.000 | 3129.000 | -0.079 |
| 2 | 11:24:21 | 102% | -0.121 | 63.300 | 0.000 | 13030.000 | 3215.000 | 3096.000 | 3083.000 | -0.188 |
| 3 | 11:25:29 | 100% | -0.077 | 70.560 | 0.000 | 13750.000 | 3340.000 | 3267.000 | 3265.000 | 0.091 |
| x | | 101% | -0.106 | 67.480 | 0.000 | 13290.000 | 3254.000 | 3154.000 | 3159.000 | -0.059 |
| σ | | 1% | 0.025 | 3.756 | 0.000 | 394.600 | 74.290 | 98.120 | 94.820 | 0.141 |
| %RSD | | 1 | 23.840 | 5.566 | 0.000 | 2.969 | 2.283 | 3.111 | 3.001 | 239.100 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:23:13 | 910.300 | 1.275 | 0.000 | 0.000 | 406.400 | 12830.000 | 13520.000 | 100% | -1.002 |
| 2 | 11:24:21 | 887.800 | 0.968 | 0.000 | 0.000 | 397.700 | 12520.000 | 13390.000 | 102% | -0.894 |
| 3 | 11:25:29 | 935.900 | 1.713 | 0.000 | 0.000 | 426.100 | 13550.000 | 14370.000 | 99% | -0.802 |
| x | | 911.300 | 1.319 | 0.000 | 0.000 | 410.100 | 12970.000 | 13760.000 | 101% | -0.899 |
| σ | | 24.080 | 0.375 | 0.000 | 0.000 | 14.560 | 530.900 | 532.200 | 2% | 0.100 |
| %RSD | | 2.643 | 28.390 | 0.000 | 0.000 | 3.550 | 4.094 | 3.868 | 2 | 11.150 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:23:13 | -0.050 | 0.074 | 30.250 | 0.526 | -0.029 | 2.331 | 42.210 | -0.045 | 0.008 |
| 2 | 11:24:21 | 1.677 | 0.110 | 25.490 | 3.948 | -0.053 | 2.571 | 44.180 | -0.047 | -0.011 |
| 3 | 11:25:29 | 0.660 | 0.095 | 28.080 | 5.050 | -0.020 | 2.812 | 51.490 | -0.043 | -0.004 |
| x | | 0.762 | 0.093 | 27.940 | 3.175 | -0.034 | 2.571 | 45.960 | -0.045 | -0.003 |
| σ | | 0.868 | 0.018 | 2.384 | 2.359 | 0.017 | 0.241 | 4.888 | 0.002 | 0.010 |
| %RSD | | 113.900 | 19.490 | 8.532 | 74.310 | 49.340 | 9.356 | 10.640 | 4.477 | 383.600 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:23:13 | -0.074 | -0.078 | 0.023 | 0.094 | 1.345 | 0.171 | 0.665 | 1.346 | -2.464 |
| 2 | 11:24:21 | -0.089 | -0.051 | -0.089 | 0.539 | 1.715 | 0.093 | 0.996 | 1.715 | -2.119 |
| 3 | 11:25:29 | -0.148 | -0.046 | -0.033 | 0.683 | 1.431 | 0.070 | 0.617 | 1.431 | -3.515 |
| x | | -0.104 | -0.058 | -0.033 | 0.439 | 1.497 | 0.112 | 0.759 | 1.497 | -2.700 |
| σ | | 0.039 | 0.017 | 0.056 | 0.307 | 0.194 | 0.053 | 0.207 | 0.194 | 0.727 |
| %RSD | | 37.940 | 29.630 | 170.400 | 70.050 | 12.940 | 47.380 | 27.240 | 12.940 | 26.930 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:23:13 | -0.044 | -0.027 | -0.036 | -0.003 | -0.043 | 0.002 | 98% | 0.097 | -0.027 |
| 2 | 11:24:21 | -0.060 | -0.005 | -0.024 | -0.041 | -0.024 | 0.012 | 100% | 0.300 | -0.019 |
| 3 | 11:25:29 | -0.024 | 0.001 | -0.015 | -0.018 | -0.015 | 0.006 | 98% | 0.642 | -0.016 |
| x | | -0.043 | -0.010 | -0.025 | -0.021 | -0.027 | 0.007 | 99% | 0.347 | -0.021 |
| σ | | 0.018 | 0.015 | 0.010 | 0.019 | 0.014 | 0.005 | 1% | 0.276 | 0.006 |
| %RSD | | 41.590 | 145.000 | 41.270 | 92.010 | 52.870 | 74.760 | 1 | 79.550 | 26.990 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:23:13 | -0.052 | 0.097 | -0.024 | -0.058 | -0.073 | -0.054 | 0.681 | 0.864 | 98% |
| 2 | 11:24:21 | -0.214 | 0.302 | -0.019 | -0.052 | -0.069 | -0.056 | 0.803 | 0.878 | 100% |
| 3 | 11:25:29 | -0.354 | 0.645 | -0.017 | -0.030 | -0.071 | -0.049 | 0.689 | 0.831 | 97% |
| x | | -0.207 | 0.348 | -0.020 | -0.046 | -0.071 | -0.053 | 0.725 | 0.858 | 99% |
| σ | | 0.151 | 0.277 | 0.003 | 0.015 | 0.002 | 0.004 | 0.068 | 0.024 | 1% |
| %RSD | | 72.940 | 79.620 | 16.350 | 31.340 | 2.978 | 6.779 | 9.432 | 2.790 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:23:13 | 100% | -0.056 | -0.048 | -0.068 | -0.066 | -0.065 | 99% | 0.333 |
| 2 | 11:24:21 | 100% | -0.057 | -0.045 | -0.074 | -0.071 | -0.065 | 100% | 0.352 |
| 3 | 11:25:29 | 97% | -0.055 | -0.048 | -0.059 | -0.060 | -0.064 | 98% | 0.358 |
| x | | 99% | -0.056 | -0.047 | -0.067 | -0.066 | -0.064 | 99% | 0.348 |
| σ | | 1% | 0.001 | 0.002 | 0.008 | 0.006 | 0.000 | 1% | 0.013 |
| %RSD | | 2 | 1.575 | 4.414 | 11.620 | 8.402 | 0.496 | 1 | 3.820 |

**C1867-17X25 MF3T78** 05/01/2011 11:30:01 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:31:09 | 102% | -0.129 | 54.860 | 0.000 | 11990.000 | 2628.000 | 2518.000 | 2526.000 | -0.170 |
| 2 | 11:32:17 | 102% | -0.129 | 55.830 | 0.000 | 12090.000 | 2639.000 | 2535.000 | 2556.000 | -0.177 |
| 3 | 11:33:26 | 98% | -0.136 | 66.430 | 0.000 | 12790.000 | 2813.000 | 2706.000 | 2736.000 | -0.090 |
| x | | 101% | -0.131 | 59.040 | 0.000 | 12290.000 | 2693.000 | 2586.000 | 2606.000 | -0.146 |
| σ | | 2% | 0.004 | 6.418 | 0.000 | 434.500 | 103.800 | 103.900 | 113.400 | 0.048 |
| %RSD | | 2 | 3.279 | 10.870 | 0.000 | 3.536 | 3.854 | 4.016 | 4.349 | 33.000 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:31:09 | 958.200 | -1.570 | 0.000 | 0.000 | 307.500 | 9838.000 | 10490.000 | 101% | -1.087 |
| 2 | 11:32:17 | 977.900 | 0.713 | 0.000 | 0.000 | 311.500 | 10080.000 | 10530.000 | 100% | -0.890 |
| 3 | 11:33:26 | 1030.000 | 2.804 | 0.000 | 0.000 | 334.600 | 10550.000 | 11210.000 | 98% | -1.057 |
| x | | 988.500 | 0.649 | 0.000 | 0.000 | 317.900 | 10160.000 | 10740.000 | 100% | -1.011 |
| σ | | 36.840 | 2.187 | 0.000 | 0.000 | 14.660 | 363.300 | 403.300 | 2% | 0.106 |
| %RSD | | 3.727 | 336.900 | 0.000 | 0.000 | 4.612 | 3.577 | 3.755 | 2 | 10.470 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:31:09 | 1.038 | 2.558 | 22.950 | 1.087 | 0.014 | 1.700 | 30.790 | -0.029 | -0.045 |
| 2 | 11:32:17 | 1.678 | 2.646 | 21.660 | 0.755 | -0.025 | 1.516 | 32.080 | -0.029 | 0.044 |
| 3 | 11:33:26 | 1.442 | 2.850 | 22.640 | 1.995 | -0.005 | 2.088 | 34.830 | -0.029 | -0.002 |
| x | | 1.386 | 2.685 | 22.420 | 1.279 | -0.005 | 1.768 | 32.570 | -0.029 | -0.001 |
| σ | | 0.324 | 0.150 | 0.676 | 0.642 | 0.020 | 0.292 | 2.061 | 0.000 | 0.045 |
| %RSD | | 23.360 | 5.589 | 3.015 | 50.210 | 358.800 | 16.510 | 6.329 | 0.440 | 5517.000 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:31:09 | -0.083 | -0.030 | 0.115 | -0.083 | 0.308 | 0.166 | -0.412 | 0.308 | 1.987 |
| 2 | 11:32:17 | -0.094 | -0.005 | -0.016 | 0.197 | 0.456 | 0.119 | 0.067 | 0.456 | -0.254 |
| 3 | 11:33:26 | -0.067 | -0.026 | 0.203 | 0.390 | 1.366 | 0.086 | -0.041 | 1.365 | -0.358 |
| x | | -0.082 | -0.020 | 0.100 | 0.168 | 0.710 | 0.124 | -0.129 | 0.710 | 0.458 |
| σ | | 0.014 | 0.013 | 0.110 | 0.237 | 0.573 | 0.040 | 0.251 | 0.572 | 1.325 |
| %RSD | | 16.740 | 65.090 | 109.800 | 141.500 | 80.690 | 32.470 | 195.200 | 80.580 | 289.100 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:31:09 | -0.044 | -0.013 | -0.019 | -0.003 | -0.023 | -0.001 | 98% | -0.141 | -0.025 |
| 2 | 11:32:17 | -0.000 | -0.009 | -0.007 | -0.033 | -0.001 | 0.002 | 98% | 0.344 | -0.013 |
| 3 | 11:33:26 | -0.034 | -0.032 | -0.023 | -0.017 | 0.017 | 0.019 | 97% | 1.192 | -0.022 |
| x | | -0.026 | -0.018 | -0.017 | -0.018 | -0.002 | 0.007 | 98% | 0.465 | -0.020 |
| σ | | 0.023 | 0.012 | 0.008 | 0.015 | 0.020 | 0.011 | 1% | 0.675 | 0.006 |
| %RSD | | 87.870 | 68.990 | 49.810 | 83.770 | 813.000 | 160.600 | 1 | 145.100 | 31.880 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:31:09 | 0.079 | -0.142 | -0.020 | -0.084 | -0.075 | -0.047 | 0.533 | 0.605 | 98% |
| 2 | 11:32:17 | -0.188 | 0.342 | -0.013 | -0.049 | -0.089 | -0.046 | 0.444 | 0.550 | 99% |
| 3 | 11:33:26 | -0.706 | 1.195 | -0.022 | 0.009 | -0.075 | -0.057 | 0.674 | 0.712 | 97% |
| x | | -0.272 | 0.465 | -0.018 | -0.041 | -0.080 | -0.050 | 0.550 | 0.623 | 98% |
| σ | | 0.400 | 0.677 | 0.005 | 0.047 | 0.008 | 0.006 | 0.116 | 0.082 | 1% |
| %RSD | | 147.100 | 145.500 | 27.300 | 114.500 | 10.450 | 11.780 | 21.090 | 13.230 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:31:09 | 99% | -0.058 | -0.045 | -0.076 | -0.073 | -0.074 | 98% | 0.345 |
| 2 | 11:32:17 | 99% | -0.055 | -0.048 | -0.068 | -0.056 | -0.067 | 100% | 0.335 |
| 3 | 11:33:26 | 97% | -0.051 | -0.043 | -0.071 | -0.057 | -0.066 | 97% | 0.362 |
| x | | 98% | -0.055 | -0.046 | -0.072 | -0.062 | -0.069 | 98% | 0.347 |
| σ | | 1% | 0.003 | 0.002 | 0.004 | 0.010 | 0.004 | 1% | 0.013 |
| %RSD | | 1 | 6.012 | 5.369 | 5.155 | 15.390 | 6.113 | 1 | 3.792 |

**C1867-18X25 MF3T93** 05/01/2011 11:37:58 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:39:06 | 100% | -0.120 | 44.290 | 0.000 | 11070.000 | 2383.000 | 2273.000 | 2289.000 | 0.145 |
| 2 | 11:40:14 | 100% | -0.128 | 52.590 | 0.000 | 11040.000 | 2345.000 | 2260.000 | 2273.000 | 0.233 |
| 3 | 11:41:22 | 101% | -0.129 | 48.060 | 0.000 | 11170.000 | 2381.000 | 2279.000 | 2304.000 | 0.102 |
| x | | 101% | -0.126 | 48.320 | 0.000 | 11100.000 | 2370.000 | 2270.000 | 2289.000 | 0.160 |
| σ | | 1% | 0.005 | 4.155 | 0.000 | 70.020 | 21.220 | 9.869 | 15.740 | 0.067 |
| %RSD | | 1 | 4.022 | 8.599 | 0.000 | 0.631 | 0.896 | 0.435 | 0.688 | 41.840 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:39:06 | 684.700 | 1.867 | 0.000 | 0.000 | 266.900 | 6676.000 | 7109.000 | 100% | -0.888 |
| 2 | 11:40:14 | 684.100 | 3.780 | 0.000 | 0.000 | 258.800 | 6769.000 | 7043.000 | 101% | -0.919 |
| 3 | 11:41:22 | 693.600 | -0.787 | 0.000 | 0.000 | 267.200 | 7006.000 | 7258.000 | 100% | -0.918 |
| x | | 687.500 | 1.620 | 0.000 | 0.000 | 264.300 | 6817.000 | 7136.000 | 100% | -0.908 |
| σ | | 5.337 | 2.294 | 0.000 | 0.000 | 4.802 | 170.200 | 110.100 | 1% | 0.017 |
| %RSD | | 0.776 | 141.600 | 0.000 | 0.000 | 1.817 | 2.497 | 1.543 | 1 | 1.910 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:39:06 | 1.401 | 0.132 | 18.010 | 1.664 | -0.068 | 2.344 | 19.420 | -0.024 | -0.006 |
| 2 | 11:40:14 | 1.680 | 0.124 | 16.920 | 1.072 | -0.045 | 1.876 | 22.610 | -0.028 | -0.067 |
| 3 | 11:41:22 | 0.861 | 0.155 | 18.570 | 0.969 | -0.054 | 2.217 | 18.160 | -0.029 | -0.028 |
| x | | 1.314 | 0.137 | 17.830 | 1.235 | -0.056 | 2.146 | 20.060 | -0.027 | -0.034 |
| σ | | 0.417 | 0.016 | 0.842 | 0.375 | 0.012 | 0.242 | 2.293 | 0.003 | 0.031 |
| %RSD | | 31.700 | 11.810 | 4.721 | 30.390 | 21.470 | 11.280 | 11.430 | 9.658 | 91.170 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:39:06 | -0.091 | 0.007 | 0.072 | -0.042 | 0.234 | 0.140 | 0.478 | 0.234 | 1.663 |
| 2 | 11:40:14 | -0.072 | -0.055 | 0.065 | 0.257 | 0.489 | 0.099 | -0.162 | 0.489 | -0.894 |
| 3 | 11:41:22 | -0.106 | -0.065 | 0.024 | 0.033 | 0.679 | 0.105 | 0.793 | 0.679 | -1.912 |
| x | | -0.090 | -0.038 | 0.054 | 0.083 | 0.467 | 0.115 | 0.370 | 0.467 | -0.381 |
| σ | | 0.017 | 0.039 | 0.026 | 0.156 | 0.223 | 0.022 | 0.487 | 0.223 | 1.842 |
| %RSD | | 18.630 | 104.800 | 47.870 | 188.300 | 47.780 | 19.180 | 131.600 | 47.810 | 483.400 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:39:06 | 0.014 | 0.089 | 0.069 | 0.011 | 0.052 | 0.002 | 99% | 0.049 | -0.022 |
| 2 | 11:40:14 | -0.001 | 0.093 | 0.106 | 0.018 | 0.077 | 0.002 | 99% | 0.489 | -0.022 |
| 3 | 11:41:22 | 0.029 | 0.085 | 0.087 | 0.033 | 0.055 | 0.002 | 98% | 0.471 | -0.025 |
| x | | 0.014 | 0.089 | 0.087 | 0.021 | 0.061 | 0.002 | 99% | 0.336 | -0.023 |
| σ | | 0.015 | 0.004 | 0.018 | 0.012 | 0.013 | 0.000 | 0% | 0.249 | 0.002 |
| %RSD | | 108.100 | 4.522 | 20.680 | 56.770 | 21.960 | 0.662 | 0 | 74.110 | 7.525 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:39:06 | -0.075 | 0.049 | -0.025 | -0.055 | -0.072 | -0.049 | 1.585 | 1.808 | 99% |
| 2 | 11:40:14 | -0.317 | 0.489 | -0.016 | -0.022 | -0.086 | -0.069 | 1.812 | 1.766 | 100% |
| 3 | 11:41:22 | -0.307 | 0.470 | -0.022 | -0.041 | -0.095 | -0.058 | 1.624 | 1.616 | 99% |
| x | | -0.233 | 0.336 | -0.021 | -0.040 | -0.084 | -0.059 | 1.673 | 1.730 | 100% |
| σ | | 0.137 | 0.249 | 0.005 | 0.016 | 0.012 | 0.010 | 0.121 | 0.101 | 0% |
| %RSD | | 58.810 | 74.140 | 22.550 | 41.520 | 13.700 | 17.340 | 7.248 | 5.818 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:39:06 | 100% | -0.043 | -0.040 | -0.056 | -0.066 | -0.057 | 100% | 0.606 |
| 2 | 11:40:14 | 101% | -0.047 | -0.045 | -0.065 | -0.064 | -0.059 | 101% | 0.602 |
| 3 | 11:41:22 | 99% | -0.048 | -0.042 | -0.068 | -0.056 | -0.064 | 99% | 0.632 |
| x | | 100% | -0.046 | -0.042 | -0.063 | -0.062 | -0.060 | 100% | 0.613 |
| σ | | 1% | 0.003 | 0.003 | 0.006 | 0.005 | 0.003 | 1% | 0.016 |
| %RSD | | 1 | 6.044 | 6.736 | 10.200 | 8.164 | 5.761 | 1 | 2.636 |

**C1867-19X25 MF3T93D** 05/01/2011 11:45:55 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:47:03 | 102% | -0.146 | 45.970 | 0.000 | 11020.000 | 2353.000 | 2255.000 | 2271.000 | -0.067 |
| 2 | 11:48:11 | 100% | -0.120 | 45.690 | 0.000 | 11280.000 | 2397.000 | 2314.000 | 2346.000 | 0.225 |
| 3 | 11:49:20 | 100% | -0.145 | 46.660 | 0.000 | 11250.000 | 2395.000 | 2312.000 | 2354.000 | 0.009 |
| x | | 101% | -0.137 | 46.100 | 0.000 | 11180.000 | 2382.000 | 2294.000 | 2324.000 | 0.056 |
| σ | | 1% | 0.015 | 0.497 | 0.000 | 142.600 | 24.720 | 33.480 | 45.900 | 0.152 |
| %RSD | | 1 | 10.900 | 1.077 | 0.000 | 1.275 | 1.038 | 1.460 | 1.975 | 271.300 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:47:03 | 662.900 | 1.279 | 0.000 | 0.000 | 257.900 | 6739.000 | 7015.000 | 100% | -0.946 |
| 2 | 11:48:11 | 695.400 | -1.019 | 0.000 | 0.000 | 258.500 | 6948.000 | 7175.000 | 101% | -0.974 |
| 3 | 11:49:20 | 681.300 | 1.749 | 0.000 | 0.000 | 266.200 | 6729.000 | 7130.000 | 99% | -0.916 |
| x | | 679.900 | 0.669 | 0.000 | 0.000 | 260.800 | 6805.000 | 7106.000 | 100% | -0.945 |
| σ | | 16.320 | 1.481 | 0.000 | 0.000 | 4.622 | 123.500 | 82.560 | 1% | 0.029 |
| %RSD | | 2.400 | 221.200 | 0.000 | 0.000 | 1.772 | 1.815 | 1.162 | 1 | 3.101 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:47:03 | 1.744 | 0.081 | 14.770 | 0.989 | -0.044 | 2.689 | 25.520 | -0.051 | 0.023 |
| 2 | 11:48:11 | 1.366 | 0.049 | 15.520 | -0.148 | -0.058 | 2.570 | 25.130 | -0.037 | 0.060 |
| 3 | 11:49:20 | 0.472 | 0.078 | 17.170 | 1.297 | -0.059 | 3.244 | 25.960 | -0.042 | -0.004 |
| x | | 1.194 | 0.069 | 15.820 | 0.713 | -0.054 | 2.835 | 25.530 | -0.043 | 0.026 |
| σ | | 0.653 | 0.017 | 1.229 | 0.761 | 0.008 | 0.360 | 0.416 | 0.007 | 0.032 |
| %RSD | | 54.700 | 25.130 | 7.766 | 106.800 | 15.280 | 12.690 | 1.630 | 16.420 | 121.400 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:47:03 | -0.070 | -0.029 | -0.061 | 0.513 | 1.200 | 0.014 | 0.054 | 1.201 | -3.837 |
| 2 | 11:48:11 | -0.076 | -0.041 | 0.002 | 0.119 | 0.794 | 0.084 | 0.364 | 0.796 | 0.129 |
| 3 | 11:49:20 | -0.125 | -0.015 | 0.048 | -0.106 | -0.100 | 0.145 | -0.020 | -0.100 | 2.452 |
| x | | -0.090 | -0.028 | -0.004 | 0.176 | 0.632 | 0.081 | 0.133 | 0.632 | -0.419 |
| σ | | 0.030 | 0.013 | 0.055 | 0.313 | 0.665 | 0.065 | 0.204 | 0.665 | 3.180 |
| %RSD | | 32.830 | 46.420 | 1380.000 | 178.600 | 105.300 | 80.610 | 153.600 | 105.200 | 759.500 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:47:03 | 0.025 | 0.081 | 0.071 | 0.071 | 0.059 | 0.012 | 98% | 0.499 | -0.020 |
| 2 | 11:48:11 | 0.001 | 0.072 | 0.047 | 0.072 | 0.074 | 0.009 | 97% | 1.080 | -0.023 |
| 3 | 11:49:20 | -0.009 | 0.063 | 0.052 | 0.088 | 0.126 | -0.001 | 97% | 0.691 | -0.030 |
| x | | 0.006 | 0.072 | 0.056 | 0.077 | 0.086 | 0.007 | 97% | 0.757 | -0.025 |
| σ | | 0.017 | 0.009 | 0.013 | 0.009 | 0.035 | 0.007 | 1% | 0.296 | 0.005 |
| %RSD | | 311.700 | 12.060 | 22.270 | 12.120 | 40.830 | 103.600 | 1 | 39.120 | 19.220 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:47:03 | -0.324 | 0.500 | -0.019 | -0.033 | -0.075 | -0.060 | 1.715 | 1.640 | 98% |
| 2 | 11:48:11 | -0.545 | 1.084 | -0.020 | 0.004 | -0.074 | -0.058 | 1.675 | 1.744 | 97% |
| 3 | 11:49:20 | -0.379 | 0.691 | -0.019 | -0.033 | -0.088 | -0.048 | 1.413 | 1.891 | 98% |
| x | | -0.416 | 0.758 | -0.019 | -0.021 | -0.079 | -0.055 | 1.601 | 1.758 | 97% |
| σ | | 0.116 | 0.297 | 0.001 | 0.021 | 0.008 | 0.006 | 0.164 | 0.126 | 1% |
| %RSD | | 27.760 | 39.220 | 4.641 | 101.800 | 9.886 | 11.010 | 10.270 | 7.166 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:47:03 | 98% | -0.054 | -0.047 | -0.076 | -0.073 | -0.070 | 98% | 0.607 |
| 2 | 11:48:11 | 98% | -0.048 | -0.046 | -0.064 | -0.058 | -0.066 | 98% | 0.612 |
| 3 | 11:49:20 | 98% | -0.054 | -0.047 | -0.069 | -0.054 | -0.064 | 99% | 0.602 |
| x | | 98% | -0.052 | -0.046 | -0.070 | -0.062 | -0.067 | 98% | 0.607 |
| σ | | 0% | 0.004 | 0.000 | 0.006 | 0.010 | 0.003 | 1% | 0.005 |
| %RSD | | 0 | 6.787 | 0.959 | 8.064 | 16.980 | 4.440 | 1 | 0.816 |

**C1867-18LX125 MF3T93L** 05/01/2011 11:53:53 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:55:01 | 98% | -0.093 | 11.860 | 0.000 | 2351.000 | 482.500 | 486.400 | 476.400 | 4.537 |
| 2 | 11:56:09 | 101% | -0.137 | 12.660 | 0.000 | 2250.000 | 461.700 | 467.000 | 460.100 | 4.409 |
| 3 | 11:57:18 | 100% | -0.128 | 11.800 | 0.000 | 2257.000 | 456.500 | 458.100 | 463.900 | 4.443 |
| x | | 100% | -0.119 | 12.110 | 0.000 | 2286.000 | 466.900 | 470.500 | 466.800 | 4.463 |
| σ | | 2% | 0.024 | 0.476 | 0.000 | 56.470 | 13.750 | 14.450 | 8.525 | 0.066 |
| %RSD | | 2 | 19.700 | 3.933 | 0.000 | 2.470 | 2.946 | 3.072 | 1.826 | 1.480 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:55:01 | 145.900 | 3.875 | 0.000 | 0.000 | 51.140 | 1420.000 | 1469.000 | 99% | -0.886 |
| 2 | 11:56:09 | 140.000 | 2.326 | 0.000 | 0.000 | 45.810 | 1359.000 | 1427.000 | 100% | -0.917 |
| 3 | 11:57:18 | 139.500 | -2.153 | 0.000 | 0.000 | 43.260 | 1431.000 | 1431.000 | 100% | -0.525 |
| x | | 141.800 | 1.349 | 0.000 | 0.000 | 46.730 | 1403.000 | 1442.000 | 99% | -0.776 |
| σ | | 3.575 | 3.130 | 0.000 | 0.000 | 4.022 | 38.630 | 23.070 | 1% | 0.218 |
| %RSD | | 2.521 | 232.000 | 0.000 | 0.000 | 8.605 | 2.753 | 1.599 | 1 | 28.070 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:55:01 | 0.416 | 0.012 | 8.796 | 5.799 | -0.058 | 4.984 | -0.145 | -0.041 | -0.108 |
| 2 | 11:56:09 | -0.047 | 0.091 | 8.537 | 2.469 | -0.088 | 4.133 | -0.753 | -0.037 | -0.117 |
| 3 | 11:57:18 | -0.012 | 0.024 | 8.228 | 4.326 | -0.062 | 2.338 | 1.735 | -0.038 | -0.110 |
| x | | 0.119 | 0.042 | 8.520 | 4.198 | -0.069 | 3.818 | 0.279 | -0.039 | -0.112 |
| σ | | 0.258 | 0.043 | 0.284 | 1.669 | 0.017 | 1.351 | 1.297 | 0.002 | 0.005 |
| %RSD | | 216.600 | 100.400 | 3.334 | 39.750 | 23.930 | 35.380 | 464.600 | 5.983 | 4.344 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:55:01 | -0.062 | -0.020 | 8.179 | -0.252 | 0.238 | 0.102 | -0.305 | 0.238 | -0.642 |
| 2 | 11:56:09 | -0.068 | 0.000 | 7.495 | 0.061 | 0.122 | 0.039 | -0.443 | 0.122 | 0.700 |
| 3 | 11:57:18 | -0.061 | -0.073 | 7.568 | -0.326 | -0.536 | 0.105 | -0.112 | -0.535 | 1.759 |
| x | | -0.064 | -0.031 | 7.747 | -0.173 | -0.058 | 0.082 | -0.286 | -0.058 | 0.606 |
| σ | | 0.004 | 0.038 | 0.375 | 0.205 | 0.417 | 0.037 | 0.166 | 0.417 | 1.203 |
| %RSD | | 6.567 | 121.600 | 4.844 | 119.000 | 713.800 | 45.500 | 58.090 | 715.700 | 198.700 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:55:01 | -0.014 | -0.050 | -0.015 | 0.035 | -0.026 | 0.002 | 97% | -0.039 | -0.028 |
| 2 | 11:56:09 | -0.045 | -0.000 | -0.012 | -0.020 | -0.027 | 0.005 | 101% | 0.790 | -0.025 |
| 3 | 11:57:18 | -0.046 | -0.042 | -0.024 | -0.056 | -0.024 | 0.009 | 101% | -0.669 | -0.025 |
| x | | -0.035 | -0.031 | -0.017 | -0.014 | -0.026 | 0.005 | 99% | 0.027 | -0.026 |
| σ | | 0.018 | 0.027 | 0.006 | 0.046 | 0.001 | 0.003 | 2% | 0.732 | 0.002 |
| %RSD | | 52.110 | 86.880 | 37.150 | 338.100 | 5.285 | 58.600 | 2 | 2687.000 | 6.479 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:55:01 | -0.026 | -0.040 | -0.027 | -0.066 | -0.059 | -0.058 | 0.142 | 0.280 | 97% |
| 2 | 11:56:09 | -0.484 | 0.791 | -0.024 | -0.016 | -0.089 | -0.063 | 0.203 | 0.349 | 101% |
| 3 | 11:57:18 | 0.370 | -0.672 | -0.022 | -0.105 | -0.079 | -0.063 | 0.297 | 0.260 | 102% |
| x | | -0.047 | 0.026 | -0.024 | -0.062 | -0.075 | -0.062 | 0.214 | 0.296 | 100% |
| σ | | 0.427 | 0.734 | 0.002 | 0.045 | 0.015 | 0.003 | 0.078 | 0.047 | 3% |
| %RSD | | 913.400 | 2783.000 | 9.666 | 71.610 | 20.250 | 4.973 | 36.580 | 15.820 | 3 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 11:55:01 | 98% | -0.048 | -0.041 | -0.055 | -0.050 | -0.052 | 99% | 0.100 |
| 2 | 11:56:09 | 101% | -0.048 | -0.040 | -0.060 | -0.053 | -0.057 | 103% | 0.100 |
| 3 | 11:57:18 | 102% | -0.049 | -0.044 | -0.062 | -0.057 | -0.056 | 102% | 0.090 |
| x | | 100% | -0.048 | -0.042 | -0.059 | -0.053 | -0.055 | 102% | 0.097 |
| σ | | 2% | 0.000 | 0.002 | 0.003 | 0.004 | 0.003 | 2% | 0.006 |
| %RSD | | 2 | 0.732 | 4.839 | 5.502 | 7.000 | 4.795 | 2 | 5.867 |

**CCV** 05/01/2011 12:01:50 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:02:58 | 88% | 491.000 | 499.200 | 0.000 | 50390.000 | 50210.000 | 49850.000 | 49760.000 | 9963.000 |
| 2 | 12:04:06 | 88% | 496.400 | 498.100 | 0.000 | 49840.000 | 49930.000 | 49840.000 | 49200.000 | 9979.000 |
| 3 | 12:05:14 | 87% | 519.200 | 528.600 | 0.000 | 52090.000 | 52380.000 | 52030.000 | 52050.000 | 10430.000 |
| x | | 88% | 502.200 | 508.600 | 0.000 | 50770.000 | 50840.000 | 50570.000 | 50340.000 | 10130.000 |
| σ | | 1% | 14.980 | 17.280 | 0.000 | 1172.000 | 1339.000 | 1261.000 | 1507.000 | 267.000 |
| %RSD | | 1 | 2.982 | 3.397 | 0.000 | 2.308 | 2.634 | 2.493 | 2.994 | 2.637 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:02:58 | 519.500 | 9937.000 | 0.000 | 0.000 | 25290.000 | 50180.000 | 48440.000 | 89% | 485.000 |
| 2 | 12:04:06 | 514.600 | 9907.000 | 0.000 | 0.000 | 25050.000 | 49680.000 | 47860.000 | 90% | 481.800 |
| 3 | 12:05:14 | 541.000 | 10400.000 | 0.000 | 0.000 | 26110.000 | 52980.000 | 50220.000 | 87% | 506.300 |
| x | | 525.000 | 10080.000 | 0.000 | 0.000 | 25480.000 | 50950.000 | 48840.000 | 89% | 491.000 |
| σ | | 14.010 | 276.800 | 0.000 | 0.000 | 553.700 | 1780.000 | 1233.000 | 1% | 13.340 |
| %RSD | | 2.669 | 2.746 | 0.000 | 0.000 | 2.173 | 3.493 | 2.525 | 1 | 2.718 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:02:58 | 491.100 | 485.500 | 12.760 | 24960.000 | 977.900 | 24660.000 | 25050.000 | 489.800 | 484.100 |
| 2 | 12:04:06 | 480.000 | 479.600 | 19.000 | 24880.000 | 964.500 | 24470.000 | 24620.000 | 480.900 | 485.900 |
| 3 | 12:05:14 | 509.300 | 505.300 | 15.690 | 26270.000 | 1025.000 | 25810.000 | 26000.000 | 505.900 | 512.900 |
| x | | 493.500 | 490.100 | 15.820 | 25370.000 | 989.200 | 24980.000 | 25220.000 | 492.200 | 494.300 |
| σ | | 14.800 | 13.450 | 3.124 | 782.000 | 31.870 | 725.300 | 705.900 | 12.670 | 16.110 |
| %RSD | | 3.000 | 2.743 | 19.750 | 3.082 | 3.222 | 2.903 | 2.799 | 2.573 | 3.260 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:02:58 | 983.700 | 976.400 | 964.600 | 485.200 | 482.300 | -1.056 | 485.800 | 481.400 | -1.133 |
| 2 | 12:04:06 | 968.700 | 970.700 | 962.800 | 480.500 | 478.300 | -1.219 | 481.700 | 477.900 | 3.750 |
| 3 | 12:05:14 | 1015.000 | 1028.000 | 1006.000 | 505.000 | 500.200 | -1.173 | 505.200 | 499.600 | 0.371 |
| x | | 989.000 | 991.700 | 977.600 | 490.200 | 486.900 | -1.149 | 490.900 | 486.300 | 0.996 |
| σ | | 23.410 | 31.640 | 24.180 | 13.010 | 11.640 | 0.084 | 12.540 | 11.660 | 2.501 |
| %RSD | | 2.367 | 3.190 | 2.474 | 2.653 | 2.391 | 7.301 | 2.554 | 2.398 | 251.100 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:02:58 | 464.800 | 479.700 | 474.300 | 477.700 | 475.500 | 0.006 | 89% | 466.200 | 484.500 |
| 2 | 12:04:06 | 462.300 | 478.400 | 480.100 | 479.100 | 481.500 | 0.003 | 89% | 473.100 | 487.400 |
| 3 | 12:05:14 | 485.100 | 503.200 | 499.700 | 500.700 | 498.800 | 0.003 | 87% | 497.000 | 506.700 |
| x | | 470.700 | 487.100 | 484.700 | 485.800 | 485.300 | 0.004 | 89% | 478.800 | 492.800 |
| σ | | 12.540 | 13.950 | 13.290 | 12.900 | 12.100 | 0.002 | 1% | 16.190 | 12.070 |
| %RSD | | 2.664 | 2.864 | 2.743 | 2.655 | 2.493 | 54.790 | 1 | 3.382 | 2.450 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:02:58 | 4.331 | 466.400 | 482.500 | 469.300 | 413.600 | 473.600 | 2404.000 | 2404.000 | 95% |
| 2 | 12:04:06 | -0.042 | 473.300 | 487.700 | 472.500 | 414.700 | 476.400 | 2415.000 | 2399.000 | 95% |
| 3 | 12:05:14 | 2.071 | 497.300 | 507.400 | 500.000 | 431.900 | 496.000 | 2524.000 | 2490.000 | 93% |
| x | | 2.120 | 479.000 | 492.500 | 480.600 | 420.100 | 482.000 | 2447.000 | 2431.000 | 94% |
| σ | | 2.187 | 16.240 | 13.100 | 16.880 | 10.260 | 12.190 | 66.260 | 51.150 | 2% |
| %RSD | | 103.200 | 3.390 | 2.659 | 3.512 | 2.443 | 2.529 | 2.707 | 2.104 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:02:58 | 96% | 485.900 | 482.700 | 481.600 | 485.600 | 484.500 | 95% | 494.600 |
| 2 | 12:04:06 | 96% | 485.200 | 483.100 | 486.500 | 483.000 | 484.600 | 95% | 491.300 |
| 3 | 12:05:14 | 93% | 510.400 | 509.700 | 512.300 | 509.800 | 512.100 | 92% | 511.900 |
| x | | 95% | 493.900 | 491.900 | 493.500 | 492.800 | 493.700 | 94% | 499.300 |
| σ | | 2% | 14.350 | 15.490 | 16.520 | 14.810 | 15.890 | 2% | 11.060 |
| %RSD | | 2 | 2.905 | 3.148 | 3.348 | 3.005 | 3.218 | 2 | 2.216 |

**CCB** 05/01/2011 12:09:45 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:10:53 | 96% | 0.008 | 7.840 | 0.000 | 15.040 | 3.518 | 4.097 | 3.555 | 0.550 |
| 2 | 12:12:01 | 92% | 0.079 | 8.665 | 0.000 | 31.550 | 9.653 | 9.857 | 10.760 | 1.845 |
| 3 | 12:13:09 | 93% | 0.013 | 6.602 | 0.000 | 20.440 | 3.857 | 4.739 | 3.271 | 1.011 |
| x | | 94% | 0.033 | 7.702 | 0.000 | 22.350 | 5.676 | 6.231 | 5.861 | 1.135 |
| σ | | 2% | 0.040 | 1.039 | 0.000 | 8.414 | 3.449 | 3.156 | 4.242 | 0.656 |
| %RSD | | 2 | 118.800 | 13.480 | 0.000 | 37.660 | 60.760 | 50.660 | 72.390 | 57.800 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:10:53 | 0.731 | 5.600 | 0.000 | 0.000 | -2.568 | 4.259 | -54.240 | 92% | 0.389 |
| 2 | 12:12:01 | 0.447 | 7.527 | 0.000 | 0.000 | 9.734 | 12.360 | -47.820 | 89% | -0.077 |
| 3 | 12:13:09 | 0.273 | 3.939 | 0.000 | 0.000 | -3.396 | -1.803 | -52.130 | 91% | -0.746 |
| x | | 0.484 | 5.689 | 0.000 | 0.000 | 1.257 | 4.937 | -51.400 | 91% | -0.144 |
| σ | | 0.231 | 1.796 | 0.000 | 0.000 | 7.353 | 7.103 | 3.273 | 1% | 0.571 |
| %RSD | | 47.770 | 31.570 | 0.000 | 0.000 | 585.100 | 143.900 | 6.369 | 1 | 395.000 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:10:53 | -0.055 | 0.065 | 9.336 | 4.462 | 0.034 | 1.019 | 10.440 | 0.023 | -0.075 |
| 2 | 12:12:01 | 0.135 | 0.102 | 9.515 | 4.908 | 0.182 | 4.748 | 11.910 | 0.086 | 0.060 |
| 3 | 12:13:09 | -0.183 | 0.090 | 8.316 | 1.491 | 0.065 | 1.607 | 0.263 | 0.061 | -0.066 |
| x | | -0.034 | 0.086 | 9.056 | 3.620 | 0.094 | 2.458 | 7.535 | 0.057 | -0.027 |
| σ | | 0.160 | 0.019 | 0.646 | 1.857 | 0.078 | 2.005 | 6.341 | 0.032 | 0.076 |
| %RSD | | 468.100 | 21.990 | 7.139 | 51.310 | 83.210 | 81.560 | 84.150 | 56.410 | 281.500 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:10:53 | -0.016 | -0.040 | -0.159 | -0.087 | -0.304 | 0.078 | -0.852 | -0.304 | 1.858 |
| 2 | 12:12:01 | 0.114 | 0.160 | -0.130 | 0.377 | 0.098 | 0.001 | -0.034 | 0.098 | -0.867 |
| 3 | 12:13:09 | -0.063 | -0.007 | -0.269 | -0.048 | -0.225 | 0.069 | -0.753 | -0.225 | 0.998 |
| x | | 0.012 | 0.038 | -0.186 | 0.081 | -0.144 | 0.049 | -0.546 | -0.143 | 0.663 |
| σ | | 0.092 | 0.107 | 0.073 | 0.257 | 0.213 | 0.042 | 0.446 | 0.213 | 1.393 |
| %RSD | | 776.900 | 284.600 | 39.330 | 318.200 | 148.600 | 85.920 | 81.650 | 148.600 | 210.100 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:10:53 | 0.413 | 0.466 | 0.526 | 0.532 | 0.546 | 0.002 | 92% | 0.232 | 0.093 |
| 2 | 12:12:01 | 0.345 | 0.433 | 0.447 | 0.338 | 0.481 | -0.001 | 90% | -0.557 | 0.179 |
| 3 | 12:13:09 | 0.166 | 0.267 | 0.300 | 0.321 | 0.234 | 0.006 | 92% | -0.025 | 0.061 |
| x | | 0.308 | 0.389 | 0.425 | 0.397 | 0.420 | 0.002 | 91% | -0.117 | 0.111 |
| σ | | 0.128 | 0.107 | 0.115 | 0.118 | 0.165 | 0.004 | 1% | 0.402 | 0.061 |
| %RSD | | 41.460 | 27.470 | 27.040 | 29.670 | 39.240 | 144.700 | 1 | 345.100 | 54.910 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:10:53 | -0.019 | 0.231 | 0.087 | 0.049 | 0.233 | 0.425 | -0.007 | 0.166 | 93% |
| 2 | 12:12:01 | 0.528 | -0.560 | 0.153 | -0.008 | 0.172 | 0.383 | 0.331 | 0.658 | 90% |
| 3 | 12:13:09 | -0.033 | -0.027 | 0.071 | 0.006 | 0.115 | 0.226 | 0.089 | 0.086 | 93% |
| x | | 0.159 | -0.119 | 0.104 | 0.016 | 0.173 | 0.345 | 0.137 | 0.303 | 92% |
| σ | | 0.320 | 0.403 | 0.044 | 0.030 | 0.059 | 0.105 | 0.174 | 0.310 | 1% |
| %RSD | | 201.400 | 340.300 | 42.230 | 192.200 | 33.950 | 30.550 | 127.000 | 102.300 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:10:53 | 93% | 0.075 | 0.070 | 0.026 | 0.020 | 0.012 | 94% | 0.035 |
| 2 | 12:12:01 | 91% | 0.119 | 0.130 | 0.043 | 0.086 | 0.070 | 92% | 0.074 |
| 3 | 12:13:09 | 92% | 0.024 | 0.042 | -0.026 | -0.013 | -0.018 | 95% | 0.040 |
| x | | 92% | 0.073 | 0.080 | 0.014 | 0.031 | 0.021 | 94% | 0.050 |
| σ | | 1% | 0.048 | 0.045 | 0.036 | 0.050 | 0.045 | 1% | 0.021 |
| %RSD | | 1 | 65.180 | 56.370 | 254.100 | 163.300 | 211.200 | 1 | 42.710 |

**C1867-20 MF3T93S** 05/01/2011 12:17:40 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:18:48 | 94% | 42.950 | 891.000 | 0.000 | 253700.000 | 53500.000 | 53260.000 | 52870.000 | 1811.000 |
| 2 | 12:19:56 | 95% | 43.640 | 905.200 | 0.000 | 254700.000 | 54320.000 | 53650.000 | 53700.000 | 1816.000 |
| 3 | 12:21:04 | 91% | 45.660 | 925.500 | 0.000 | 263200.000 | 56120.000 | 55690.000 | 55540.000 | 1892.000 |
| x | | 93% | 44.080 | 907.200 | 0.000 | 257200.000 | 54650.000 | 54200.000 | 54040.000 | 1840.000 |
| σ | | 2% | 1.407 | 17.360 | 0.000 | 5237.000 | 1343.000 | 1304.000 | 1364.000 | 44.890 |
| %RSD | | 2 | 3.192 | 1.914 | 0.000 | 2.036 | 2.457 | 2.407 | 2.525 | 2.440 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:18:48 | 16010.000 | -1.073 | 0.000 | 0.000 | 6578.000 | 159700.000 | 177700.000 | 88% | 1.247 |
| 2 | 12:19:56 | 16130.000 | -4.797 | 0.000 | 0.000 | 6551.000 | 159800.000 | 179600.000 | 89% | 0.403 |
| 3 | 12:21:04 | 16630.000 | -4.837 | 0.000 | 0.000 | 6795.000 | 167300.000 | 185700.000 | 87% | 0.795 |
| x | | 16260.000 | -3.569 | 0.000 | 0.000 | 6641.000 | 162300.000 | 181000.000 | 88% | 0.815 |
| σ | | 326.600 | 2.161 | 0.000 | 0.000 | 133.500 | 4374.000 | 4189.000 | 1% | 0.422 |
| %RSD | | 2.009 | 60.560 | 0.000 | 0.000 | 2.011 | 2.696 | 2.314 | 1 | 51.820 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:18:48 | 479.900 | 176.100 | 187.700 | 914.100 | 456.700 | 916.700 | 1491.000 | 456.100 | 451.200 |
| 2 | 12:19:56 | 483.900 | 181.700 | 193.900 | 910.800 | 458.100 | 923.800 | 1461.000 | 455.600 | 452.500 |
| 3 | 12:21:04 | 500.600 | 185.600 | 211.200 | 953.700 | 478.800 | 949.700 | 1481.000 | 471.500 | 466.500 |
| x | | 488.100 | 181.200 | 197.600 | 926.200 | 464.500 | 930.000 | 1478.000 | 461.100 | 456.700 |
| σ | | 10.990 | 4.753 | 12.160 | 23.870 | 12.390 | 17.380 | 15.250 | 9.020 | 8.508 |
| %RSD | | 2.251 | 2.624 | 6.153 | 2.577 | 2.667 | 1.869 | 1.032 | 1.956 | 1.863 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:18:48 | 226.400 | 230.000 | 455.100 | 45.100 | 29.860 | 0.666 | 27.630 | 29.960 | 0.713 |
| 2 | 12:19:56 | 229.500 | 228.900 | 450.700 | 44.460 | 29.020 | 0.982 | 25.740 | 29.110 | 2.788 |
| 3 | 12:21:04 | 233.500 | 237.800 | 472.200 | 42.440 | 28.610 | 1.572 | 26.630 | 28.670 | -1.202 |
| x | | 229.800 | 232.200 | 459.300 | 44.000 | 29.160 | 1.073 | 26.670 | 29.250 | 0.766 |
| σ | | 3.520 | 4.845 | 11.330 | 1.388 | 0.633 | 0.460 | 0.947 | 0.656 | 1.995 |
| %RSD | | 1.532 | 2.086 | 2.466 | 3.155 | 2.172 | 42.860 | 3.552 | 2.244 | 260.400 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:18:48 | 6.503 | 3.243 | 3.372 | 3.049 | 3.219 | -0.001 | 83% | 44.180 | 44.130 |
| 2 | 12:19:56 | 5.032 | 3.256 | 3.134 | 3.073 | 3.368 | 0.007 | 85% | 44.240 | 44.750 |
| 3 | 12:21:04 | 3.835 | 3.328 | 3.013 | 3.599 | 3.306 | 0.011 | 84% | 43.170 | 45.550 |
| x | | 5.123 | 3.275 | 3.173 | 3.240 | 3.298 | 0.005 | 84% | 43.860 | 44.810 |
| σ | | 1.336 | 0.046 | 0.183 | 0.311 | 0.075 | 0.006 | 1% | 0.602 | 0.711 |
| %RSD | | 26.080 | 1.397 | 5.752 | 9.598 | 2.267 | 110.700 | 1 | 1.373 | 1.586 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:18:48 | -0.580 | 44.160 | 45.170 | 46.770 | 0.129 | 93.960 | 1919.000 | 1935.000 | 91% |
| 2 | 12:19:56 | -0.416 | 44.200 | 44.510 | 47.190 | 0.098 | 93.740 | 1903.000 | 1909.000 | 93% |
| 3 | 12:21:04 | 0.751 | 43.130 | 45.460 | 48.040 | 0.079 | 97.280 | 1955.000 | 1958.000 | 92% |
| x | | -0.082 | 43.830 | 45.050 | 47.330 | 0.102 | 95.000 | 1926.000 | 1934.000 | 92% |
| σ | | 0.725 | 0.603 | 0.487 | 0.644 | 0.026 | 1.985 | 26.510 | 24.700 | 1% |
| %RSD | | 889.500 | 1.375 | 1.080 | 1.361 | 25.140 | 2.089 | 1.377 | 1.277 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:18:48 | 91% | 45.810 | 45.860 | 20.530 | 18.740 | 19.500 | 89% | 16.980 |
| 2 | 12:19:56 | 93% | 46.010 | 46.460 | 20.520 | 18.630 | 19.380 | 90% | 17.240 |
| 3 | 12:21:04 | 92% | 47.240 | 47.900 | 20.950 | 19.190 | 20.060 | 89% | 17.610 |
| x | | 92% | 46.350 | 46.740 | 20.670 | 18.860 | 19.650 | 89% | 17.280 |
| σ | | 1% | 0.772 | 1.049 | 0.244 | 0.298 | 0.365 | 1% | 0.314 |
| %RSD | | 1 | 1.665 | 2.244 | 1.182 | 1.580 | 1.857 | 1 | 1.817 |

**C1867-20X25 MF3T93S** 05/01/2011 12:25:36 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:26:44 | 95% | 1.929 | 52.450 | 0.000 | 11400.000 | 2437.000 | 2329.000 | 2345.000 | 80.390 |
| 2 | 12:27:52 | 98% | 1.867 | 55.410 | 0.000 | 11250.000 | 2436.000 | 2334.000 | 2363.000 | 79.860 |
| 3 | 12:29:00 | 94% | 1.793 | 49.700 | 0.000 | 11580.000 | 2475.000 | 2348.000 | 2399.000 | 81.090 |
| x | | 96% | 1.863 | 52.520 | 0.000 | 11410.000 | 2449.000 | 2337.000 | 2369.000 | 80.440 |
| σ | | 2% | 0.068 | 2.856 | 0.000 | 163.700 | 22.590 | 10.150 | 27.660 | 0.617 |
| %RSD | | 2 | 3.646 | 5.438 | 0.000 | 1.435 | 0.922 | 0.434 | 1.168 | 0.767 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:26:44 | 709.100 | 0.413 | 0.000 | 0.000 | 284.600 | 6818.000 | 7308.000 | 97% | -0.999 |
| 2 | 12:27:52 | 706.500 | -2.854 | 0.000 | 0.000 | 286.800 | 6691.000 | 7310.000 | 97% | -0.855 |
| 3 | 12:29:00 | 716.300 | 1.127 | 0.000 | 0.000 | 285.200 | 6972.000 | 7256.000 | 98% | -0.971 |
| x | | 710.700 | -0.438 | 0.000 | 0.000 | 285.500 | 6827.000 | 7291.000 | 98% | -0.942 |
| σ | | 5.079 | 2.123 | 0.000 | 0.000 | 1.184 | 141.000 | 30.250 | 0% | 0.076 |
| %RSD | | 0.715 | 484.300 | 0.000 | 0.000 | 0.415 | 2.065 | 0.415 | 0 | 8.119 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:26:44 | 20.440 | 7.644 | 34.650 | 40.710 | 19.280 | 39.620 | 53.790 | 19.040 | 18.630 |
| 2 | 12:27:52 | 19.290 | 7.800 | 33.980 | 42.980 | 19.380 | 40.380 | 57.830 | 19.140 | 19.680 |
| 3 | 12:29:00 | 19.150 | 7.616 | 30.320 | 39.350 | 19.620 | 40.220 | 50.450 | 18.920 | 19.150 |
| x | | 19.620 | 7.687 | 32.980 | 41.010 | 19.420 | 40.070 | 54.030 | 19.030 | 19.150 |
| σ | | 0.707 | 0.099 | 2.333 | 1.833 | 0.174 | 0.404 | 3.697 | 0.112 | 0.526 |
| %RSD | | 3.602 | 1.293 | 7.072 | 4.470 | 0.895 | 1.009 | 6.843 | 0.588 | 2.747 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:26:44 | 9.830 | 10.240 | 19.630 | 1.976 | 1.020 | 0.128 | 0.582 | 1.017 | 0.933 |
| 2 | 12:27:52 | 10.030 | 9.574 | 19.120 | 1.813 | 0.533 | 0.158 | 1.104 | 0.531 | 0.316 |
| 3 | 12:29:00 | 9.695 | 9.948 | 19.250 | 1.758 | 1.094 | 0.142 | 0.530 | 1.092 | 0.940 |
| x | | 9.851 | 9.920 | 19.330 | 1.849 | 0.882 | 0.143 | 0.739 | 0.880 | 0.729 |
| σ | | 0.167 | 0.332 | 0.265 | 0.113 | 0.305 | 0.015 | 0.317 | 0.305 | 0.358 |
| %RSD | | 1.698 | 3.351 | 1.369 | 6.134 | 34.540 | 10.660 | 42.980 | 34.610 | 49.080 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:26:44 | 0.083 | 0.136 | 0.135 | 0.107 | 0.139 | 0.015 | 99% | 2.242 | 1.790 |
| 2 | 12:27:52 | 0.048 | 0.112 | 0.089 | 0.069 | 0.096 | -0.001 | 100% | 0.974 | 1.947 |
| 3 | 12:29:00 | 0.098 | 0.080 | 0.140 | 0.144 | 0.140 | 0.009 | 98% | 1.567 | 1.885 |
| x | | 0.077 | 0.109 | 0.121 | 0.106 | 0.125 | 0.008 | 99% | 1.594 | 1.874 |
| σ | | 0.026 | 0.028 | 0.028 | 0.038 | 0.025 | 0.008 | 1% | 0.634 | 0.079 |
| %RSD | | 33.910 | 25.450 | 22.990 | 35.450 | 20.100 | 107.600 | 1 | 39.790 | 4.221 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:26:44 | -0.507 | 2.247 | 1.880 | 1.689 | -0.059 | 3.625 | 76.500 | 78.270 | 99% |
| 2 | 12:27:52 | 0.477 | 0.975 | 1.778 | 1.661 | -0.057 | 3.692 | 77.930 | 77.630 | 100% |
| 3 | 12:29:00 | -0.179 | 1.570 | 1.742 | 1.926 | -0.048 | 3.714 | 80.630 | 79.200 | 99% |
| x | | -0.070 | 1.598 | 1.800 | 1.759 | -0.055 | 3.677 | 78.360 | 78.370 | 99% |
| σ | | 0.501 | 0.636 | 0.072 | 0.146 | 0.006 | 0.046 | 2.098 | 0.788 | 1% |
| %RSD | | 718.400 | 39.830 | 3.999 | 8.292 | 10.120 | 1.257 | 2.677 | 1.005 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:26:44 | 100% | 2.002 | 2.055 | 0.762 | 0.675 | 0.707 | 101% | 0.640 |
| 2 | 12:27:52 | 100% | 2.029 | 2.008 | 0.747 | 0.657 | 0.722 | 100% | 0.637 |
| 3 | 12:29:00 | 99% | 1.910 | 1.977 | 0.786 | 0.734 | 0.712 | 100% | 0.625 |
| x | | 100% | 1.981 | 2.013 | 0.765 | 0.689 | 0.714 | 100% | 0.634 |
| σ | | 0% | 0.062 | 0.040 | 0.020 | 0.040 | 0.007 | 0% | 0.008 |
| %RSD | | 0 | 3.148 | 1.974 | 2.556 | 5.864 | 1.037 | 0 | 1.243 |

**C1867-21 MF3T94** 05/01/2011 12:33:31 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:34:39 | 89% | -0.066 | 1010.000 | 0.000 | 225500.000 | 41410.000 | 41350.000 | 40960.000 | 4.181 |
| 2 | 12:35:47 | 88% | -0.114 | 1022.000 | 0.000 | 228000.000 | 41880.000 | 41340.000 | 41120.000 | 3.978 |
| 3 | 12:36:55 | 89% | -0.124 | 1006.000 | 0.000 | 225200.000 | 41550.000 | 40930.000 | 40810.000 | 4.010 |
| x | | 89% | -0.101 | 1013.000 | 0.000 | 226200.000 | 41610.000 | 41210.000 | 40960.000 | 4.056 |
| σ | | 1% | 0.031 | 8.370 | 0.000 | 1538.000 | 240.700 | 238.700 | 155.600 | 0.109 |
| %RSD | | 1 | 30.810 | 0.827 | 0.000 | 0.680 | 0.579 | 0.579 | 0.380 | 2.695 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:34:39 | 15040.000 | 2.712 | 0.000 | 0.000 | 6759.000 | 143300.000 | 158900.000 | 86% | 0.324 |
| 2 | 12:35:47 | 15150.000 | 0.358 | 0.000 | 0.000 | 6803.000 | 143600.000 | 158800.000 | 86% | -0.200 |
| 3 | 12:36:55 | 15210.000 | -1.131 | 0.000 | 0.000 | 6765.000 | 142900.000 | 158600.000 | 86% | 0.160 |
| x | | 15130.000 | 0.646 | 0.000 | 0.000 | 6776.000 | 143300.000 | 158800.000 | 86% | 0.095 |
| σ | | 85.070 | 1.938 | 0.000 | 0.000 | 23.660 | 312.200 | 170.600 | 0% | 0.268 |
| %RSD | | 0.562 | 299.900 | 0.000 | 0.000 | 0.349 | 0.218 | 0.108 | 0 | 282.800 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:34:39 | 27.840 | 3.224 | 173.100 | 9.144 | 0.312 | 15.550 | 478.900 | 0.133 | 1.788 |
| 2 | 12:35:47 | 23.680 | 3.232 | 191.100 | 7.488 | 0.218 | 15.220 | 470.200 | 0.100 | 1.686 |
| 3 | 12:36:55 | 24.080 | 3.201 | 199.900 | 10.600 | 0.175 | 14.540 | 445.600 | 0.088 | 1.651 |
| x | | 25.200 | 3.219 | 188.100 | 9.077 | 0.235 | 15.100 | 464.900 | 0.107 | 1.708 |
| σ | | 2.295 | 0.016 | 13.650 | 1.556 | 0.070 | 0.517 | 17.300 | 0.024 | 0.071 |
| %RSD | | 9.109 | 0.501 | 7.259 | 17.150 | 29.670 | 3.424 | 3.721 | 22.110 | 4.178 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:34:39 | 2.443 | 2.270 | 37.290 | 5.460 | 16.260 | 0.979 | 14.160 | 16.300 | -0.410 |
| 2 | 12:35:47 | 2.526 | 2.472 | 36.860 | 5.693 | 15.550 | 1.073 | 13.820 | 15.600 | 3.912 |
| 3 | 12:36:55 | 2.430 | 2.556 | 37.850 | 7.361 | 17.060 | 0.832 | 13.290 | 17.110 | -2.372 |
| x | | 2.466 | 2.433 | 37.330 | 6.171 | 16.290 | 0.961 | 13.760 | 16.330 | 0.377 |
| σ | | 0.052 | 0.147 | 0.500 | 1.037 | 0.756 | 0.122 | 0.438 | 0.756 | 3.215 |
| %RSD | | 2.125 | 6.035 | 1.339 | 16.800 | 4.642 | 12.670 | 3.180 | 4.626 | 853.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:34:39 | 3.281 | 5.338 | 4.924 | 5.299 | 5.052 | -0.001 | 82% | 0.054 | 0.034 |
| 2 | 12:35:47 | 3.095 | 4.764 | 4.707 | 4.890 | 5.230 | 0.015 | 82% | 0.544 | -0.000 |
| 3 | 12:36:55 | 3.486 | 4.858 | 4.870 | 4.886 | 5.045 | -0.001 | 82% | -0.865 | 0.016 |
| x | | 3.288 | 4.987 | 4.833 | 5.025 | 5.109 | 0.004 | 82% | -0.089 | 0.017 |
| σ | | 0.196 | 0.308 | 0.113 | 0.237 | 0.105 | 0.009 | 0% | 0.715 | 0.017 |
| %RSD | | 5.948 | 6.175 | 2.343 | 4.714 | 2.055 | 218.500 | 0 | 803.900 | 104.200 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:34:39 | 0.046 | 0.041 | 0.029 | 0.026 | -0.004 | 0.055 | 57.430 | 58.760 | 89% |
| 2 | 12:35:47 | -0.341 | 0.532 | 0.016 | 0.004 | -0.026 | 0.036 | 58.050 | 58.940 | 88% |
| 3 | 12:36:55 | 0.436 | -0.880 | 0.001 | -0.089 | -0.032 | 0.049 | 58.210 | 59.120 | 90% |
| x | | 0.047 | -0.102 | 0.015 | -0.020 | -0.021 | 0.047 | 57.900 | 58.940 | 89% |
| σ | | 0.389 | 0.717 | 0.014 | 0.061 | 0.015 | 0.010 | 0.410 | 0.183 | 1% |
| %RSD | | 828.100 | 699.800 | 90.120 | 309.000 | 70.650 | 21.590 | 0.707 | 0.311 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:34:39 | 89% | 0.018 | 0.034 | 0.348 | 0.380 | 0.358 | 87% | 16.010 |
| 2 | 12:35:47 | 89% | 0.008 | 0.026 | 0.378 | 0.361 | 0.370 | 86% | 16.680 |
| 3 | 12:36:55 | 90% | 0.008 | -0.006 | 0.367 | 0.316 | 0.338 | 86% | 16.450 |
| x | | 90% | 0.011 | 0.018 | 0.364 | 0.352 | 0.355 | 86% | 16.380 |
| σ | | 1% | 0.005 | 0.021 | 0.015 | 0.033 | 0.016 | 0% | 0.338 |
| %RSD | | 1 | 47.920 | 120.700 | 4.249 | 9.288 | 4.593 | 1 | 2.062 |

**C1867-22 MF3TB0** 05/01/2011 12:41:27 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:42:35 | 91% | -0.059 | 839.900 | 0.000 | 220900.000 | 33120.000 | 32840.000 | 32350.000 | 2.248 |
| 2 | 12:43:43 | 89% | -0.105 | 885.800 | 0.000 | 224500.000 | 33780.000 | 33380.000 | 32350.000 | 2.310 |
| 3 | 12:44:51 | 91% | -0.106 | 853.800 | 0.000 | 222900.000 | 33560.000 | 33300.000 | 32820.000 | 2.157 |
| x | | 90% | -0.090 | 859.800 | 0.000 | 222800.000 | 33480.000 | 33170.000 | 32510.000 | 2.238 |
| σ | | 1% | 0.027 | 23.530 | 0.000 | 1760.000 | 333.200 | 291.200 | 272.200 | 0.077 |
| %RSD | | 1 | 30.070 | 2.737 | 0.000 | 0.790 | 0.995 | 0.878 | 0.838 | 3.436 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:42:35 | 24280.000 | -1.719 | 0.000 | 0.000 | 4283.000 | 119100.000 | 132500.000 | 87% | 1.275 |
| 2 | 12:43:43 | 24540.000 | -1.910 | 0.000 | 0.000 | 4248.000 | 118700.000 | 132700.000 | 87% | 0.985 |
| 3 | 12:44:51 | 24450.000 | -0.187 | 0.000 | 0.000 | 4270.000 | 119600.000 | 132600.000 | 86% | 1.103 |
| x | | 24420.000 | -1.272 | 0.000 | 0.000 | 4267.000 | 119100.000 | 132600.000 | 87% | 1.121 |
| σ | | 131.800 | 0.945 | 0.000 | 0.000 | 17.820 | 472.900 | 73.960 | 0% | 0.146 |
| %RSD | | 0.540 | 74.270 | 0.000 | 0.000 | 0.418 | 0.397 | 0.056 | 1 | 13.000 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:42:35 | 73.550 | 3.535 | 203.900 | 13.030 | 0.350 | 19.580 | 389.100 | 1.789 | 15.980 |
| 2 | 12:43:43 | 72.040 | 3.639 | 219.000 | 16.560 | 0.283 | 19.360 | 404.100 | 1.896 | 15.610 |
| 3 | 12:44:51 | 75.500 | 3.727 | 222.200 | 13.310 | 0.249 | 19.240 | 399.900 | 1.694 | 16.340 |
| x | | 73.690 | 3.634 | 215.000 | 14.300 | 0.294 | 19.390 | 397.700 | 1.793 | 15.980 |
| σ | | 1.734 | 0.096 | 9.756 | 1.960 | 0.051 | 0.173 | 7.731 | 0.102 | 0.362 |
| %RSD | | 2.353 | 2.652 | 4.537 | 13.710 | 17.470 | 0.890 | 1.944 | 5.658 | 2.266 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:42:35 | 20.470 | 20.810 | 13.450 | 13.910 | 6.725 | 1.133 | 4.008 | 6.752 | 1.227 |
| 2 | 12:43:43 | 20.020 | 19.940 | 13.300 | 13.640 | 6.571 | 1.295 | 4.321 | 6.600 | 4.245 |
| 3 | 12:44:51 | 20.200 | 20.180 | 13.230 | 14.910 | 6.972 | 1.174 | 4.316 | 7.001 | 4.360 |
| x | | 20.230 | 20.310 | 13.320 | 14.150 | 6.756 | 1.201 | 4.215 | 6.784 | 3.277 |
| σ | | 0.226 | 0.447 | 0.115 | 0.672 | 0.203 | 0.084 | 0.179 | 0.203 | 1.776 |
| %RSD | | 1.117 | 2.202 | 0.859 | 4.748 | 2.999 | 7.014 | 4.248 | 2.985 | 54.200 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:42:35 | 2.000 | 1.366 | 1.281 | 1.221 | 1.304 | 0.003 | 82% | -0.229 | 0.012 |
| 2 | 12:43:43 | 2.596 | 1.306 | 1.419 | 1.289 | 1.405 | -0.001 | 81% | -0.439 | -0.002 |
| 3 | 12:44:51 | 3.244 | 1.365 | 1.306 | 1.360 | 1.305 | -0.001 | 81% | -0.177 | -0.011 |
| x | | 2.614 | 1.346 | 1.335 | 1.290 | 1.338 | 0.000 | 81% | -0.282 | -0.000 |
| σ | | 0.622 | 0.035 | 0.074 | 0.070 | 0.058 | 0.002 | 0% | 0.139 | 0.012 |
| %RSD | | 23.800 | 2.572 | 5.536 | 5.398 | 4.345 | 1011.000 | 1 | 49.270 | 4349.000 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:42:35 | 0.086 | -0.244 | 0.020 | -0.043 | 0.001 | 0.059 | 32.670 | 32.260 | 89% |
| 2 | 12:43:43 | 0.261 | -0.454 | 0.001 | -0.077 | -0.051 | 0.034 | 30.880 | 31.430 | 89% |
| 3 | 12:44:51 | 0.057 | -0.192 | 0.002 | -0.040 | -0.011 | 0.008 | 31.730 | 31.280 | 88% |
| x | | 0.135 | -0.297 | 0.008 | -0.053 | -0.021 | 0.034 | 31.760 | 31.660 | 89% |
| σ | | 0.110 | 0.139 | 0.011 | 0.021 | 0.027 | 0.025 | 0.895 | 0.529 | 0% |
| %RSD | | 81.730 | 46.920 | 139.400 | 38.640 | 132.800 | 75.280 | 2.819 | 1.671 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:42:35 | 90% | -0.018 | -0.013 | 0.385 | 0.349 | 0.371 | 86% | 10.630 |
| 2 | 12:43:43 | 90% | -0.017 | -0.023 | 0.327 | 0.319 | 0.330 | 86% | 10.450 |
| 3 | 12:44:51 | 88% | -0.027 | -0.023 | 0.388 | 0.340 | 0.357 | 86% | 10.500 |
| x | | 89% | -0.021 | -0.020 | 0.367 | 0.336 | 0.353 | 86% | 10.530 |
| σ | | 1% | 0.005 | 0.006 | 0.034 | 0.015 | 0.021 | 0% | 0.095 |
| %RSD | | 1 | 26.160 | 30.350 | 9.382 | 4.519 | 5.922 | 0 | 0.902 |

**C1867-21X25 MF3T94** 05/01/2011 12:49:23 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:50:31 | 95% | -0.135 | 69.160 | 0.000 | 9983.000 | 1850.000 | 1774.000 | 1785.000 | -0.072 |
| 2 | 12:51:39 | 95% | -0.108 | 65.910 | 0.000 | 9818.000 | 1830.000 | 1750.000 | 1764.000 | -0.047 |
| 3 | 12:52:48 | 93% | -0.080 | 63.360 | 0.000 | 9894.000 | 1836.000 | 1759.000 | 1760.000 | 0.103 |
| x | | 94% | -0.108 | 66.150 | 0.000 | 9898.000 | 1839.000 | 1761.000 | 1769.000 | -0.005 |
| σ | | 1% | 0.028 | 2.910 | 0.000 | 82.720 | 10.130 | 11.960 | 13.620 | 0.095 |
| %RSD | | 1 | 25.580 | 4.400 | 0.000 | 0.836 | 0.551 | 0.679 | 0.770 | 1799.000 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:50:31 | 629.000 | 1.243 | 0.000 | 0.000 | 292.000 | 6061.000 | 6423.000 | 95% | -0.878 |
| 2 | 12:51:39 | 633.700 | -1.813 | 0.000 | 0.000 | 288.000 | 6001.000 | 6296.000 | 96% | -0.939 |
| 3 | 12:52:48 | 630.300 | -1.033 | 0.000 | 0.000 | 284.800 | 6060.000 | 6315.000 | 97% | -0.969 |
| x | | 631.000 | -0.534 | 0.000 | 0.000 | 288.300 | 6041.000 | 6345.000 | 96% | -0.929 |
| σ | | 2.427 | 1.588 | 0.000 | 0.000 | 3.625 | 34.140 | 68.510 | 1% | 0.046 |
| %RSD | | 0.385 | 297.200 | 0.000 | 0.000 | 1.258 | 0.565 | 1.080 | 1 | 4.960 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:50:31 | 0.389 | 0.179 | 38.740 | 0.077 | -0.050 | 2.844 | 16.720 | -0.049 | 0.004 |
| 2 | 12:51:39 | 0.755 | 0.192 | 35.270 | 3.095 | -0.057 | 2.356 | 14.540 | -0.051 | -0.082 |
| 3 | 12:52:48 | 1.414 | 0.187 | 31.850 | 1.640 | -0.058 | 1.526 | 13.540 | -0.046 | 0.008 |
| x | | 0.853 | 0.186 | 35.290 | 1.604 | -0.055 | 2.242 | 14.930 | -0.049 | -0.024 |
| σ | | 0.519 | 0.006 | 3.443 | 1.509 | 0.005 | 0.666 | 1.629 | 0.002 | 0.051 |
| %RSD | | 60.900 | 3.454 | 9.759 | 94.080 | 8.221 | 29.720 | 10.910 | 4.992 | 216.400 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:50:31 | -0.104 | -0.008 | 1.191 | -0.002 | 0.515 | 0.247 | 0.674 | 0.514 | 1.089 |
| 2 | 12:51:39 | -0.109 | -0.011 | 1.444 | 0.250 | -0.025 | 0.180 | 0.486 | -0.025 | 3.719 |
| 3 | 12:52:48 | -0.128 | -0.043 | 1.134 | 0.278 | 0.089 | 0.150 | -0.086 | 0.088 | 1.079 |
| x | | -0.114 | -0.021 | 1.256 | 0.176 | 0.193 | 0.192 | 0.358 | 0.193 | 1.962 |
| σ | | 0.013 | 0.019 | 0.165 | 0.155 | 0.285 | 0.049 | 0.396 | 0.284 | 1.521 |
| %RSD | | 11.050 | 93.520 | 13.120 | 88.080 | 147.600 | 25.680 | 110.700 | 147.600 | 77.530 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:50:31 | 0.075 | 0.182 | 0.143 | 0.153 | 0.138 | 0.002 | 95% | 0.323 | -0.017 |
| 2 | 12:51:39 | 0.066 | 0.173 | 0.172 | 0.148 | 0.163 | 0.002 | 97% | -0.835 | -0.023 |
| 3 | 12:52:48 | 0.060 | 0.152 | 0.125 | 0.146 | 0.153 | 0.006 | 98% | -0.732 | -0.023 |
| x | | 0.067 | 0.169 | 0.147 | 0.149 | 0.151 | 0.003 | 97% | -0.415 | -0.021 |
| σ | | 0.007 | 0.015 | 0.024 | 0.003 | 0.012 | 0.002 | 1% | 0.641 | 0.004 |
| %RSD | | 10.630 | 9.001 | 16.120 | 2.245 | 8.170 | 55.840 | 1 | 154.600 | 17.550 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:50:31 | -0.224 | 0.319 | -0.025 | -0.032 | -0.055 | -0.053 | 2.093 | 2.135 | 97% |
| 2 | 12:51:39 | 0.414 | -0.839 | -0.023 | -0.122 | -0.059 | -0.045 | 2.046 | 2.012 | 98% |
| 3 | 12:52:48 | 0.357 | -0.736 | -0.025 | -0.109 | -0.075 | -0.053 | 1.788 | 2.181 | 99% |
| x | | 0.182 | -0.418 | -0.025 | -0.088 | -0.063 | -0.051 | 1.976 | 2.110 | 98% |
| σ | | 0.353 | 0.641 | 0.001 | 0.048 | 0.011 | 0.005 | 0.165 | 0.088 | 1% |
| %RSD | | 193.700 | 153.200 | 3.698 | 55.200 | 16.660 | 9.000 | 8.324 | 4.157 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:50:31 | 97% | -0.048 | -0.040 | -0.064 | -0.056 | -0.064 | 97% | 0.608 |
| 2 | 12:51:39 | 98% | -0.035 | -0.034 | -0.064 | -0.058 | -0.058 | 98% | 0.587 |
| 3 | 12:52:48 | 99% | -0.045 | -0.033 | -0.061 | -0.055 | -0.060 | 100% | 0.574 |
| x | | 98% | -0.043 | -0.036 | -0.063 | -0.056 | -0.061 | 98% | 0.590 |
| σ | | 1% | 0.007 | 0.004 | 0.002 | 0.001 | 0.003 | 2% | 0.017 |
| %RSD | | 1 | 15.470 | 10.770 | 3.095 | 2.045 | 4.684 | 2 | 2.893 |

**C1867-22X25 MF3TB0** 05/01/2011 12:57:20 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:58:28 | 93% | -0.135 | 45.180 | 0.000 | 10040.000 | 1508.000 | 1445.000 | 1476.000 | 0.195 |
| 2 | 12:59:36 | 93% | -0.126 | 45.350 | 0.000 | 10020.000 | 1499.000 | 1423.000 | 1448.000 | 0.038 |
| 3 | 13:00:45 | 95% | -0.099 | 41.520 | 0.000 | 9904.000 | 1489.000 | 1441.000 | 1472.000 | -0.008 |
| x | | 94% | -0.120 | 44.020 | 0.000 | 9987.000 | 1499.000 | 1436.000 | 1465.000 | 0.075 |
| σ | | 1% | 0.019 | 2.162 | 0.000 | 72.850 | 9.604 | 11.510 | 15.110 | 0.107 |
| %RSD | | 1 | 15.450 | 4.910 | 0.000 | 0.729 | 0.641 | 0.802 | 1.031 | 142.600 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:58:28 | 1058.000 | 0.240 | 0.000 | 0.000 | 186.600 | 5124.000 | 5459.000 | 95% | -0.878 |
| 2 | 12:59:36 | 1051.000 | 5.391 | 0.000 | 0.000 | 183.200 | 5044.000 | 5376.000 | 96% | -0.998 |
| 3 | 13:00:45 | 1049.000 | 0.718 | 0.000 | 0.000 | 183.400 | 5169.000 | 5475.000 | 95% | -0.641 |
| x | | 1053.000 | 2.116 | 0.000 | 0.000 | 184.400 | 5112.000 | 5437.000 | 95% | -0.839 |
| σ | | 5.260 | 2.846 | 0.000 | 0.000 | 1.897 | 62.900 | 53.010 | 1% | 0.182 |
| %RSD | | 0.500 | 134.500 | 0.000 | 0.000 | 1.029 | 1.230 | 0.975 | 1 | 21.640 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:58:28 | 3.062 | 0.171 | 23.730 | 4.020 | -0.046 | 1.128 | 7.475 | 0.039 | 0.521 |
| 2 | 12:59:36 | 3.283 | 0.201 | 22.760 | 2.881 | -0.031 | 1.070 | 11.530 | 0.018 | 0.580 |
| 3 | 13:00:45 | 2.918 | 0.225 | 23.980 | 2.594 | -0.054 | 1.334 | 13.360 | 0.030 | 0.636 |
| x | | 3.087 | 0.199 | 23.490 | 3.165 | -0.044 | 1.178 | 10.790 | 0.029 | 0.579 |
| σ | | 0.184 | 0.027 | 0.645 | 0.754 | 0.012 | 0.139 | 3.011 | 0.010 | 0.058 |
| %RSD | | 5.951 | 13.560 | 2.745 | 23.820 | 27.050 | 11.810 | 27.910 | 36.140 | 9.956 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:58:28 | 0.723 | 0.777 | 0.381 | 0.237 | -0.102 | 0.192 | 0.001 | -0.101 | 1.349 |
| 2 | 12:59:36 | 0.800 | 0.711 | 0.403 | 0.493 | 0.128 | 0.157 | 0.208 | 0.128 | 0.688 |
| 3 | 13:00:45 | 0.759 | 0.758 | 0.176 | 0.626 | 0.553 | 0.124 | 0.481 | 0.552 | -0.386 |
| x | | 0.761 | 0.749 | 0.320 | 0.452 | 0.193 | 0.158 | 0.230 | 0.193 | 0.550 |
| σ | | 0.038 | 0.034 | 0.125 | 0.198 | 0.332 | 0.034 | 0.241 | 0.331 | 0.875 |
| %RSD | | 5.038 | 4.597 | 39.140 | 43.740 | 171.900 | 21.810 | 104.600 | 171.900 | 159.100 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:58:28 | -0.002 | 0.051 | -0.005 | 0.052 | 0.010 | 0.013 | 96% | 1.093 | -0.025 |
| 2 | 12:59:36 | -0.013 | 0.022 | -0.006 | -0.001 | 0.044 | 0.002 | 96% | -0.711 | -0.025 |
| 3 | 13:00:45 | -0.018 | 0.003 | -0.001 | 0.022 | 0.015 | 0.002 | 96% | -0.436 | -0.020 |
| x | | -0.011 | 0.025 | -0.004 | 0.024 | 0.023 | 0.006 | 96% | -0.018 | -0.023 |
| σ | | 0.008 | 0.024 | 0.002 | 0.027 | 0.018 | 0.006 | 0% | 0.972 | 0.003 |
| %RSD | | 71.730 | 96.470 | 60.160 | 109.800 | 80.270 | 103.300 | 0 | 5451.000 | 11.700 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:58:28 | -0.649 | 1.091 | -0.011 | -0.004 | -0.084 | -0.051 | 1.157 | 1.169 | 98% |
| 2 | 12:59:36 | 0.346 | -0.715 | -0.014 | -0.108 | -0.084 | -0.050 | 1.062 | 1.041 | 97% |
| 3 | 13:00:45 | 0.244 | -0.439 | -0.023 | -0.103 | -0.088 | -0.048 | 1.148 | 1.317 | 97% |
| x | | -0.020 | -0.021 | -0.016 | -0.071 | -0.085 | -0.050 | 1.122 | 1.175 | 97% |
| σ | | 0.547 | 0.973 | 0.007 | 0.059 | 0.002 | 0.002 | 0.052 | 0.138 | 1% |
| %RSD | | 2765.000 | 4609.000 | 41.860 | 82.100 | 2.603 | 3.334 | 4.668 | 11.740 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 12:58:28 | 97% | -0.042 | -0.039 | -0.059 | -0.057 | -0.054 | 98% | 0.361 |
| 2 | 12:59:36 | 97% | -0.053 | -0.033 | -0.056 | -0.062 | -0.059 | 98% | 0.367 |
| 3 | 13:00:45 | 97% | -0.048 | -0.041 | -0.066 | -0.050 | -0.060 | 98% | 0.368 |
| x | | 97% | -0.048 | -0.038 | -0.060 | -0.056 | -0.057 | 98% | 0.365 |
| σ | | 0% | 0.005 | 0.004 | 0.005 | 0.006 | 0.003 | 0% | 0.004 |
| %RSD | | 0 | 10.830 | 11.480 | 8.464 | 10.230 | 5.365 | 0 | 1.106 |

**C1868-01 MF3T76** 05/01/2011 01:05:18 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:06:26 | 89% | -0.096 | 989.100 | 0.000 | 252100.000 | 55800.000 | 55450.000 | 55240.000 | 0.699 |
| 2 | 13:07:34 | 90% | -0.115 | 947.200 | 0.000 | 253900.000 | 56000.000 | 54910.000 | 54570.000 | 0.826 |
| 3 | 13:08:43 | 93% | -0.135 | 985.700 | 0.000 | 252900.000 | 55690.000 | 54780.000 | 55200.000 | 0.792 |
| x | | 91% | -0.115 | 974.000 | 0.000 | 253000.000 | 55830.000 | 55050.000 | 55000.000 | 0.772 |
| σ | | 2% | 0.020 | 23.250 | 0.000 | 888.100 | 154.000 | 353.600 | 376.200 | 0.066 |
| %RSD | | 2 | 17.010 | 2.387 | 0.000 | 0.351 | 0.276 | 0.642 | 0.684 | 8.530 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:06:26 | 20030.000 | -1.752 | 0.000 | 0.000 | 7598.000 | 262300.000 | 275800.000 | 94% | 0.393 |
| 2 | 13:07:34 | 20210.000 | -3.213 | 0.000 | 0.000 | 7574.000 | 260500.000 | 272700.000 | 95% | 0.202 |
| 3 | 13:08:43 | 20350.000 | -1.056 | 0.000 | 0.000 | 7645.000 | 263900.000 | 277600.000 | 95% | 1.059 |
| x | | 20190.000 | -2.007 | 0.000 | 0.000 | 7606.000 | 262200.000 | 275400.000 | 94% | 0.551 |
| σ | | 160.600 | 1.101 | 0.000 | 0.000 | 36.060 | 1707.000 | 2470.000 | 1% | 0.450 |
| %RSD | | 0.795 | 54.850 | 0.000 | 0.000 | 0.474 | 0.651 | 0.897 | 1 | 81.590 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:06:26 | 27.240 | 16.750 | 157.000 | -2.268 | 0.333 | 8.634 | 788.200 | -0.068 | 2.594 |
| 2 | 13:07:34 | 26.370 | 16.810 | 166.200 | -0.424 | 0.302 | 8.201 | 739.400 | -0.054 | 2.494 |
| 3 | 13:08:43 | 28.910 | 17.280 | 170.500 | -0.537 | 0.351 | 9.637 | 827.800 | -0.008 | 3.104 |
| x | | 27.500 | 16.950 | 164.500 | -1.076 | 0.329 | 8.824 | 785.100 | -0.043 | 2.730 |
| σ | | 1.290 | 0.288 | 6.906 | 1.033 | 0.025 | 0.736 | 44.240 | 0.031 | 0.327 |
| %RSD | | 4.690 | 1.702 | 4.197 | 96.010 | 7.491 | 8.345 | 5.635 | 71.640 | 11.990 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:06:26 | 78.620 | 80.070 | 101.100 | 7.351 | 21.600 | 0.864 | 17.900 | 21.900 | 5.255 |
| 2 | 13:07:34 | 81.080 | 81.640 | 102.900 | 7.232 | 23.810 | 0.907 | 16.490 | 24.140 | 0.566 |
| 3 | 13:08:43 | 81.800 | 82.230 | 104.300 | 6.501 | 23.770 | 1.129 | 17.590 | 24.080 | 1.397 |
| x | | 80.500 | 81.310 | 102.800 | 7.028 | 23.060 | 0.966 | 17.330 | 23.370 | 2.406 |
| σ | | 1.668 | 1.115 | 1.604 | 0.460 | 1.263 | 0.142 | 0.740 | 1.279 | 2.502 |
| %RSD | | 2.073 | 1.371 | 1.561 | 6.547 | 5.477 | 14.730 | 4.273 | 5.472 | 104.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:06:26 | 4.026 | 1.108 | 0.944 | 1.125 | 0.952 | -0.001 | 79% | -0.192 | -0.007 |
| 2 | 13:07:34 | 1.529 | 1.154 | 1.049 | 1.057 | 0.941 | 0.003 | 79% | -0.051 | -0.009 |
| 3 | 13:08:43 | 0.171 | 1.160 | 0.990 | 1.309 | 1.019 | 0.003 | 80% | 0.275 | -0.003 |
| x | | 1.909 | 1.141 | 0.994 | 1.164 | 0.971 | 0.002 | 79% | 0.011 | -0.006 |
| σ | | 1.956 | 0.029 | 0.053 | 0.130 | 0.042 | 0.002 | 1% | 0.239 | 0.003 |
| %RSD | | 102.400 | 2.514 | 5.323 | 11.200 | 4.369 | 145.500 | 1 | 2190.000 | 42.340 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:06:26 | 0.188 | -0.208 | -0.001 | -0.023 | 0.438 | 0.022 | 38.680 | 38.390 | 86% |
| 2 | 13:07:34 | 0.110 | -0.067 | -0.011 | 0.008 | 0.456 | 0.008 | 38.800 | 39.150 | 87% |
| 3 | 13:08:43 | -0.012 | 0.260 | -0.006 | 0.027 | 0.472 | 0.047 | 38.940 | 38.600 | 87% |
| x | | 0.095 | -0.005 | -0.006 | 0.004 | 0.455 | 0.026 | 38.810 | 38.720 | 87% |
| σ | | 0.101 | 0.240 | 0.005 | 0.025 | 0.017 | 0.020 | 0.132 | 0.391 | 1% |
| %RSD | | 106.000 | 4933.000 | 79.810 | 625.900 | 3.802 | 75.460 | 0.341 | 1.009 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:06:26 | 87% | -0.044 | -0.035 | 7.986 | 7.262 | 7.592 | 83% | 10.860 |
| 2 | 13:07:34 | 87% | -0.042 | -0.036 | 7.979 | 7.118 | 7.521 | 84% | 10.920 |
| 3 | 13:08:43 | 88% | -0.045 | -0.038 | 8.087 | 7.373 | 7.617 | 85% | 10.900 |
| x | | 88% | -0.044 | -0.036 | 8.017 | 7.251 | 7.576 | 84% | 10.900 |
| σ | | 1% | 0.001 | 0.002 | 0.061 | 0.128 | 0.050 | 1% | 0.030 |
| %RSD | | 1 | 3.367 | 4.678 | 0.756 | 1.761 | 0.654 | 1 | 0.275 |

**C1868-02 MF3T79** 05/01/2011 01:13:16 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:14:24 | 98% | -0.119 | 929.800 | 0.000 | 242300.000 | 56070.000 | 55230.000 | 54410.000 | -0.167 |
| 2 | 13:15:33 | 95% | -0.064 | 945.200 | 0.000 | 247400.000 | 56980.000 | 56660.000 | 56480.000 | 0.491 |
| 3 | 13:16:41 | 95% | -0.145 | 949.600 | 0.000 | 249500.000 | 57430.000 | 56520.000 | 56250.000 | 0.275 |
| x | | 96% | -0.109 | 941.500 | 0.000 | 246400.000 | 56820.000 | 56140.000 | 55710.000 | 0.200 |
| σ | | 2% | 0.041 | 10.420 | 0.000 | 3661.000 | 691.400 | 792.400 | 1136.000 | 0.335 |
| %RSD | | 2 | 37.960 | 1.107 | 0.000 | 1.486 | 1.217 | 1.411 | 2.039 | 167.900 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:14:24 | 19930.000 | -3.718 | 0.000 | 0.000 | 7524.000 | 246700.000 | 256800.000 | 103% | 1.118 |
| 2 | 13:15:33 | 20450.000 | -9.334 | 0.000 | 0.000 | 7676.000 | 249900.000 | 263000.000 | 102% | 0.606 |
| 3 | 13:16:41 | 20530.000 | -8.270 | 0.000 | 0.000 | 7699.000 | 249700.000 | 265600.000 | 100% | 0.449 |
| x | | 20300.000 | -7.107 | 0.000 | 0.000 | 7633.000 | 248800.000 | 261800.000 | 101% | 0.724 |
| σ | | 328.000 | 2.983 | 0.000 | 0.000 | 94.730 | 1781.000 | 4537.000 | 2% | 0.350 |
| %RSD | | 1.616 | 41.970 | 0.000 | 0.000 | 1.241 | 0.716 | 1.733 | 2 | 48.280 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:14:24 | 29.270 | 27.190 | 154.700 | -3.601 | -0.070 | 3.153 | 774.300 | -0.005 | 2.612 |
| 2 | 13:15:33 | 29.360 | 27.140 | 163.100 | -10.370 | -0.032 | 2.631 | 755.600 | -0.017 | 2.678 |
| 3 | 13:16:41 | 30.040 | 28.350 | 172.300 | -6.781 | -0.024 | 3.560 | 757.200 | 0.014 | 2.804 |
| x | | 29.560 | 27.560 | 163.400 | -6.917 | -0.042 | 3.115 | 762.400 | -0.003 | 2.698 |
| σ | | 0.417 | 0.683 | 8.849 | 3.386 | 0.025 | 0.465 | 10.330 | 0.015 | 0.097 |
| %RSD | | 1.411 | 2.478 | 5.417 | 48.950 | 59.220 | 14.940 | 1.355 | 556.300 | 3.601 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:14:24 | 1.971 | 2.089 | 5.798 | 6.849 | 22.030 | 0.932 | 15.840 | 22.350 | 2.965 |
| 2 | 13:15:33 | 1.936 | 2.263 | 5.869 | 6.131 | 19.830 | 1.047 | 15.610 | 20.120 | -0.294 |
| 3 | 13:16:41 | 1.918 | 2.257 | 6.163 | 7.423 | 21.960 | 0.984 | 16.750 | 22.270 | -3.199 |
| x | | 1.941 | 2.203 | 5.943 | 6.801 | 21.280 | 0.988 | 16.060 | 21.580 | -0.176 |
| σ | | 0.027 | 0.099 | 0.194 | 0.648 | 1.252 | 0.058 | 0.601 | 1.265 | 3.084 |
| %RSD | | 1.399 | 4.499 | 3.260 | 9.523 | 5.883 | 5.831 | 3.740 | 5.863 | 1752.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:14:24 | 0.556 | 1.153 | 1.184 | 1.214 | 1.081 | -0.001 | 85% | -0.194 | -0.026 |
| 2 | 13:15:33 | 0.586 | 1.199 | 1.076 | 1.435 | 1.135 | 0.003 | 85% | 0.291 | -0.014 |
| 3 | 13:16:41 | 2.163 | 1.306 | 1.057 | 1.177 | 1.213 | 0.014 | 83% | 0.143 | -0.008 |
| x | | 1.101 | 1.219 | 1.106 | 1.275 | 1.143 | 0.005 | 84% | 0.080 | -0.016 |
| σ | | 0.919 | 0.079 | 0.068 | 0.140 | 0.066 | 0.008 | 1% | 0.248 | 0.009 |
| %RSD | | 83.480 | 6.442 | 6.166 | 10.940 | 5.797 | 151.200 | 1 | 310.000 | 57.780 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:14:24 | 0.067 | -0.209 | -0.014 | -0.070 | 0.024 | -0.014 | 21.470 | 21.480 | 93% |
| 2 | 13:15:33 | -0.030 | 0.275 | -0.009 | -0.074 | 0.065 | -0.011 | 21.590 | 22.130 | 93% |
| 3 | 13:16:41 | -0.118 | 0.127 | -0.018 | -0.050 | 0.005 | -0.003 | 21.390 | 22.550 | 92% |
| x | | -0.027 | 0.064 | -0.013 | -0.065 | 0.031 | -0.009 | 21.490 | 22.050 | 92% |
| σ | | 0.092 | 0.248 | 0.004 | 0.013 | 0.031 | 0.005 | 0.100 | 0.536 | 1% |
| %RSD | | 339.900 | 384.600 | 33.350 | 20.000 | 98.450 | 58.200 | 0.465 | 2.429 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:14:24 | 94% | -0.053 | -0.042 | 0.242 | 0.228 | 0.232 | 89% | 11.060 |
| 2 | 13:15:33 | 93% | -0.045 | -0.044 | 0.246 | 0.218 | 0.241 | 89% | 11.360 |
| 3 | 13:16:41 | 92% | -0.050 | -0.036 | 0.246 | 0.208 | 0.235 | 89% | 11.510 |
| x | | 93% | -0.050 | -0.041 | 0.245 | 0.218 | 0.236 | 89% | 11.310 |
| σ | | 1% | 0.004 | 0.004 | 0.002 | 0.010 | 0.005 | 0% | 0.231 |
| %RSD | | 1 | 8.023 | 9.295 | 0.993 | 4.628 | 2.019 | 1 | 2.045 |

**C1868-01X25 MF3T76** 05/01/2011 01:21:14 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:22:22 | 104% | -0.121 | 57.720 | 0.000 | 11170.000 | 2495.000 | 2380.000 | 2397.000 | -0.277 |
| 2 | 13:23:30 | 103% | -0.129 | 60.110 | 0.000 | 11180.000 | 2499.000 | 2404.000 | 2406.000 | -0.039 |
| 3 | 13:24:38 | 104% | -0.121 | 57.210 | 0.000 | 11270.000 | 2532.000 | 2416.000 | 2449.000 | -0.135 |
| x | | 104% | -0.124 | 58.350 | 0.000 | 11210.000 | 2509.000 | 2400.000 | 2418.000 | -0.150 |
| σ | | 1% | 0.005 | 1.545 | 0.000 | 52.680 | 20.240 | 18.500 | 27.630 | 0.120 |
| %RSD | | 1 | 3.648 | 2.648 | 0.000 | 0.470 | 0.807 | 0.771 | 1.143 | 79.530 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:22:22 | 893.300 | -4.199 | 0.000 | 0.000 | 309.700 | 11010.000 | 11620.000 | 104% | -0.979 |
| 2 | 13:23:30 | 900.100 | 2.132 | 0.000 | 0.000 | 315.300 | 11050.000 | 11610.000 | 103% | -0.896 |
| 3 | 13:24:38 | 911.600 | 1.066 | 0.000 | 0.000 | 316.800 | 11140.000 | 11790.000 | 102% | -0.894 |
| x | | 901.600 | -0.334 | 0.000 | 0.000 | 313.900 | 11070.000 | 11670.000 | 103% | -0.923 |
| σ | | 9.269 | 3.390 | 0.000 | 0.000 | 3.733 | 69.500 | 100.100 | 1% | 0.048 |
| %RSD | | 1.028 | 1016.000 | 0.000 | 0.000 | 1.189 | 0.628 | 0.858 | 1 | 5.247 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:22:22 | 0.769 | 0.737 | 32.220 | -0.971 | -0.016 | -0.390 | 35.220 | -0.052 | -0.021 |
| 2 | 13:23:30 | 1.215 | 0.783 | 29.770 | -0.047 | -0.031 | 0.242 | 39.330 | -0.058 | -0.034 |
| 3 | 13:24:38 | 1.605 | 0.802 | 29.440 | 1.204 | -0.044 | 0.959 | 41.410 | -0.043 | 0.041 |
| x | | 1.197 | 0.774 | 30.480 | 0.062 | -0.030 | 0.270 | 38.650 | -0.051 | -0.005 |
| σ | | 0.418 | 0.034 | 1.518 | 1.091 | 0.014 | 0.675 | 3.147 | 0.008 | 0.040 |
| %RSD | | 34.970 | 4.350 | 4.981 | 1758.000 | 46.710 | 249.900 | 8.143 | 15.240 | 840.900 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:22:22 | 3.475 | 3.644 | 4.088 | 0.306 | 1.451 | 0.165 | -0.104 | 1.453 | -3.260 |
| 2 | 13:23:30 | 3.623 | 3.384 | 4.186 | 0.624 | 1.168 | 0.075 | 0.214 | 1.169 | -3.225 |
| 3 | 13:24:38 | 3.589 | 3.460 | 4.208 | 0.279 | 0.852 | 0.153 | 0.177 | 0.852 | 2.635 |
| x | | 3.562 | 3.496 | 4.160 | 0.403 | 1.157 | 0.131 | 0.096 | 1.158 | -1.283 |
| σ | | 0.078 | 0.134 | 0.064 | 0.192 | 0.300 | 0.049 | 0.174 | 0.300 | 3.393 |
| %RSD | | 2.178 | 3.821 | 1.537 | 47.680 | 25.920 | 37.260 | 181.500 | 25.930 | 264.400 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:22:22 | -0.017 | -0.019 | -0.033 | -0.042 | -0.013 | -0.001 | 101% | 0.735 | -0.022 |
| 2 | 13:23:30 | -0.026 | -0.010 | 0.012 | -0.005 | -0.008 | 0.002 | 100% | 1.138 | -0.028 |
| 3 | 13:24:38 | -0.045 | 0.005 | -0.032 | -0.034 | 0.004 | 0.002 | 99% | 0.618 | -0.024 |
| x | | -0.029 | -0.008 | -0.018 | -0.027 | -0.006 | 0.001 | 100% | 0.830 | -0.025 |
| σ | | 0.014 | 0.012 | 0.025 | 0.019 | 0.009 | 0.002 | 1% | 0.273 | 0.003 |
| %RSD | | 48.700 | 151.800 | 143.200 | 71.060 | 156.700 | 174.300 | 1 | 32.860 | 12.710 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:22:22 | -0.407 | 0.739 | -0.027 | 0.005 | -0.067 | -0.059 | 1.240 | 1.228 | 100% |
| 2 | 13:23:30 | -0.678 | 1.143 | -0.025 | 0.006 | -0.067 | -0.060 | 0.976 | 1.356 | 99% |
| 3 | 13:24:38 | -0.389 | 0.619 | -0.024 | -0.008 | -0.049 | -0.062 | 1.114 | 1.277 | 99% |
| x | | -0.491 | 0.834 | -0.025 | 0.001 | -0.061 | -0.060 | 1.110 | 1.287 | 99% |
| σ | | 0.162 | 0.275 | 0.002 | 0.008 | 0.010 | 0.001 | 0.132 | 0.065 | 0% |
| %RSD | | 32.920 | 32.940 | 6.173 | 712.400 | 17.120 | 2.445 | 11.890 | 5.027 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:22:22 | 100% | -0.049 | -0.049 | 0.241 | 0.180 | 0.206 | 99% | 0.346 |
| 2 | 13:23:30 | 101% | -0.057 | -0.044 | 0.243 | 0.215 | 0.219 | 100% | 0.357 |
| 3 | 13:24:38 | 99% | -0.046 | -0.043 | 0.241 | 0.242 | 0.219 | 99% | 0.366 |
| x | | 100% | -0.051 | -0.045 | 0.241 | 0.212 | 0.215 | 99% | 0.356 |
| σ | | 1% | 0.006 | 0.003 | 0.001 | 0.031 | 0.008 | 0% | 0.010 |
| %RSD | | 1 | 11.240 | 6.953 | 0.431 | 14.780 | 3.525 | 0 | 2.737 |

**C1868-02X25 MF3T79** 05/01/2011 01:29:12 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:30:21 | 103% | -0.129 | 50.800 | 0.000 | 10850.000 | 2515.000 | 2418.000 | 2438.000 | -0.326 |
| 2 | 13:31:29 | 104% | -0.121 | 50.540 | 0.000 | 10900.000 | 2534.000 | 2437.000 | 2467.000 | -0.203 |
| 3 | 13:32:37 | 101% | -0.137 | 50.880 | 0.000 | 11070.000 | 2589.000 | 2467.000 | 2504.000 | -0.227 |
| x | | 103% | -0.129 | 50.740 | 0.000 | 10940.000 | 2546.000 | 2441.000 | 2470.000 | -0.252 |
| σ | | 1% | 0.008 | 0.181 | 0.000 | 111.500 | 38.200 | 24.950 | 32.900 | 0.065 |
| %RSD | | 1 | 6.106 | 0.356 | 0.000 | 1.019 | 1.501 | 1.022 | 1.332 | 25.750 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:30:21 | 883.200 | -1.585 | 0.000 | 0.000 | 311.000 | 10390.000 | 11170.000 | 103% | -0.978 |
| 2 | 13:31:29 | 887.300 | -0.949 | 0.000 | 0.000 | 317.300 | 10570.000 | 11270.000 | 102% | -0.893 |
| 3 | 13:32:37 | 930.400 | -2.032 | 0.000 | 0.000 | 324.200 | 10440.000 | 11410.000 | 101% | -0.837 |
| x | | 900.300 | -1.522 | 0.000 | 0.000 | 317.500 | 10470.000 | 11280.000 | 102% | -0.903 |
| σ | | 26.160 | 0.544 | 0.000 | 0.000 | 6.597 | 96.830 | 121.600 | 1% | 0.071 |
| %RSD | | 2.905 | 35.740 | 0.000 | 0.000 | 2.077 | 0.925 | 1.078 | 1 | 7.858 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:30:21 | 0.682 | 1.228 | 23.360 | -0.167 | -0.070 | 0.122 | 34.160 | -0.039 | -0.004 |
| 2 | 13:31:29 | 1.193 | 1.232 | 21.780 | 1.938 | -0.067 | 0.508 | 39.820 | -0.037 | -0.068 |
| 3 | 13:32:37 | 1.622 | 1.224 | 20.160 | 1.375 | -0.056 | 0.290 | 29.970 | -0.029 | -0.016 |
| x | | 1.165 | 1.228 | 21.770 | 1.049 | -0.064 | 0.306 | 34.650 | -0.035 | -0.030 |
| σ | | 0.471 | 0.004 | 1.600 | 1.089 | 0.007 | 0.194 | 4.942 | 0.005 | 0.034 |
| %RSD | | 40.380 | 0.304 | 7.351 | 103.900 | 11.620 | 63.180 | 14.260 | 14.350 | 114.200 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:30:21 | -0.098 | -0.062 | 0.257 | 0.192 | 0.267 | 0.113 | -0.320 | 0.268 | -1.215 |
| 2 | 13:31:29 | -0.082 | -0.038 | 0.285 | -0.127 | 0.852 | 0.181 | -0.106 | 0.853 | -0.936 |
| 3 | 13:32:37 | -0.067 | -0.019 | 0.365 | 0.555 | 0.854 | 0.055 | 0.190 | 0.854 | 0.736 |
| x | | -0.082 | -0.040 | 0.302 | 0.207 | 0.658 | 0.117 | -0.079 | 0.658 | -0.472 |
| σ | | 0.015 | 0.022 | 0.056 | 0.341 | 0.338 | 0.063 | 0.256 | 0.338 | 1.055 |
| %RSD | | 18.520 | 54.500 | 18.620 | 165.200 | 51.420 | 54.120 | 326.100 | 51.360 | 223.600 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:30:21 | -0.050 | -0.009 | -0.004 | -0.048 | -0.004 | 0.012 | 99% | -1.353 | -0.024 |
| 2 | 13:31:29 | -0.035 | -0.009 | -0.052 | -0.012 | -0.004 | 0.009 | 99% | 0.359 | -0.027 |
| 3 | 13:32:37 | -0.001 | -0.004 | 0.029 | -0.004 | -0.002 | 0.009 | 99% | 1.256 | -0.022 |
| x | | -0.029 | -0.007 | -0.009 | -0.021 | -0.003 | 0.010 | 99% | 0.087 | -0.024 |
| σ | | 0.025 | 0.003 | 0.041 | 0.023 | 0.002 | 0.002 | 0% | 1.326 | 0.002 |
| %RSD | | 86.750 | 35.640 | 445.400 | 109.200 | 47.110 | 19.510 | 0 | 1522.000 | 9.641 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:30:21 | 0.699 | -1.357 | -0.025 | -0.153 | -0.105 | -0.066 | 0.703 | 0.693 | 99% |
| 2 | 13:31:29 | -0.197 | 0.359 | -0.022 | -0.042 | -0.076 | -0.065 | 0.555 | 0.717 | 100% |
| 3 | 13:32:37 | -0.741 | 1.257 | -0.027 | 0.007 | -0.090 | -0.065 | 0.518 | 0.674 | 100% |
| x | | -0.080 | 0.087 | -0.025 | -0.063 | -0.090 | -0.065 | 0.592 | 0.694 | 99% |
| σ | | 0.727 | 1.328 | 0.002 | 0.082 | 0.014 | 0.001 | 0.098 | 0.021 | 1% |
| %RSD | | 912.800 | 1535.000 | 9.620 | 130.900 | 15.910 | 1.327 | 16.570 | 3.070 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:30:21 | 99% | -0.054 | -0.047 | -0.065 | -0.063 | -0.065 | 98% | 0.355 |
| 2 | 13:31:29 | 101% | -0.057 | -0.044 | -0.061 | -0.066 | -0.065 | 100% | 0.371 |
| 3 | 13:32:37 | 100% | -0.058 | -0.045 | -0.066 | -0.055 | -0.062 | 100% | 0.389 |
| x | | 100% | -0.057 | -0.045 | -0.064 | -0.061 | -0.064 | 99% | 0.372 |
| σ | | 1% | 0.002 | 0.001 | 0.003 | 0.005 | 0.001 | 1% | 0.017 |
| %RSD | | 1 | 3.613 | 3.223 | 4.407 | 8.924 | 2.338 | 1 | 4.609 |

**CCV** 05/01/2011 01:37:09 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:38:17 | 88% | 513.400 | 508.000 | 0.000 | 51350.000 | 51220.000 | 50840.000 | 50920.000 | 10340.000 |
| 2 | 13:39:25 | 89% | 505.100 | 497.500 | 0.000 | 50510.000 | 50790.000 | 50490.000 | 49980.000 | 10050.000 |
| 3 | 13:40:33 | 88% | 513.500 | 517.300 | 0.000 | 51350.000 | 51670.000 | 50810.000 | 50570.000 | 10270.000 |
| x | | 88% | 510.700 | 507.600 | 0.000 | 51070.000 | 51220.000 | 50720.000 | 50490.000 | 10220.000 |
| σ | | 1% | 4.816 | 9.911 | 0.000 | 485.800 | 439.700 | 196.600 | 474.600 | 152.400 |
| %RSD | | 1 | 0.943 | 1.953 | 0.000 | 0.951 | 0.858 | 0.388 | 0.940 | 1.491 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:38:17 | 528.000 | 10210.000 | 0.000 | 0.000 | 26010.000 | 51240.000 | 49090.000 | 88% | 504.400 |
| 2 | 13:39:25 | 515.900 | 10060.000 | 0.000 | 0.000 | 25380.000 | 51230.000 | 48770.000 | 87% | 490.000 |
| 3 | 13:40:33 | 520.000 | 10360.000 | 0.000 | 0.000 | 25610.000 | 50990.000 | 49170.000 | 87% | 501.200 |
| x | | 521.300 | 10210.000 | 0.000 | 0.000 | 25660.000 | 51150.000 | 49010.000 | 87% | 498.500 |
| σ | | 6.156 | 149.300 | 0.000 | 0.000 | 318.600 | 139.400 | 210.800 | 0% | 7.572 |
| %RSD | | 1.181 | 1.462 | 0.000 | 0.000 | 1.242 | 0.273 | 0.430 | 0 | 1.519 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:38:17 | 501.000 | 492.000 | 29.740 | 25560.000 | 990.700 | 25220.000 | 25460.000 | 498.000 | 504.700 |
| 2 | 13:39:25 | 494.400 | 492.800 | 29.050 | 25610.000 | 993.200 | 25140.000 | 25360.000 | 496.000 | 500.400 |
| 3 | 13:40:33 | 504.200 | 500.000 | 25.270 | 25780.000 | 1003.000 | 25420.000 | 25320.000 | 500.300 | 503.700 |
| x | | 499.800 | 494.900 | 28.020 | 25650.000 | 995.500 | 25260.000 | 25380.000 | 498.100 | 503.000 |
| σ | | 5.015 | 4.428 | 2.404 | 117.700 | 6.263 | 146.900 | 71.210 | 2.152 | 2.284 |
| %RSD | | 1.003 | 0.895 | 8.580 | 0.459 | 0.629 | 0.582 | 0.281 | 0.432 | 0.454 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:38:17 | 1005.000 | 1008.000 | 999.300 | 497.400 | 494.300 | -1.150 | 493.000 | 494.600 | 4.951 |
| 2 | 13:39:25 | 1007.000 | 1003.000 | 991.000 | 499.000 | 509.200 | -1.865 | 494.600 | 509.300 | 0.187 |
| 3 | 13:40:33 | 1012.000 | 1017.000 | 990.100 | 502.100 | 497.800 | -1.454 | 498.500 | 497.900 | 2.757 |
| x | | 1008.000 | 1010.000 | 993.400 | 499.500 | 500.400 | -1.490 | 495.400 | 500.600 | 2.632 |
| σ | | 3.714 | 7.092 | 5.071 | 2.394 | 7.792 | 0.359 | 2.813 | 7.725 | 2.384 |
| %RSD | | 0.368 | 0.702 | 0.510 | 0.479 | 1.557 | 24.080 | 0.568 | 1.543 | 90.600 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:38:17 | 474.000 | 489.900 | 492.500 | 492.500 | 484.900 | 0.010 | 86% | 480.800 | 498.300 |
| 2 | 13:39:25 | 472.800 | 488.900 | 484.800 | 486.000 | 488.800 | 0.010 | 86% | 485.000 | 494.400 |
| 3 | 13:40:33 | 471.300 | 494.500 | 494.300 | 486.600 | 490.400 | 0.006 | 86% | 481.600 | 497.100 |
| x | | 472.700 | 491.100 | 490.500 | 488.400 | 488.000 | 0.009 | 86% | 482.500 | 496.600 |
| σ | | 1.373 | 2.987 | 5.042 | 3.571 | 2.868 | 0.002 | 0% | 2.213 | 2.041 |
| %RSD | | 0.290 | 0.608 | 1.028 | 0.731 | 0.588 | 24.170 | 0 | 0.459 | 0.411 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:38:17 | -1.983 | 481.200 | 493.000 | 484.700 | 421.200 | 481.900 | 2499.000 | 2469.000 | 91% |
| 2 | 13:39:25 | -5.819 | 485.400 | 493.700 | 483.300 | 423.400 | 485.700 | 2447.000 | 2434.000 | 91% |
| 3 | 13:40:33 | 5.763 | 482.200 | 500.200 | 489.800 | 427.100 | 486.000 | 2498.000 | 2492.000 | 89% |
| x | | -0.680 | 482.900 | 495.600 | 486.000 | 423.900 | 484.500 | 2481.000 | 2465.000 | 90% |
| σ | | 5.900 | 2.178 | 3.987 | 3.446 | 2.981 | 2.256 | 29.920 | 29.180 | 1% |
| %RSD | | 868.100 | 0.451 | 0.804 | 0.709 | 0.703 | 0.466 | 1.206 | 1.184 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:38:17 | 91% | 496.900 | 494.400 | 497.100 | 496.100 | 495.100 | 90% | 501.600 |
| 2 | 13:39:25 | 91% | 496.700 | 499.500 | 496.400 | 493.700 | 494.500 | 89% | 499.600 |
| 3 | 13:40:33 | 90% | 502.200 | 501.000 | 501.000 | 501.300 | 503.100 | 89% | 507.600 |
| x | | 91% | 498.600 | 498.300 | 498.100 | 497.000 | 497.600 | 89% | 503.000 |
| σ | | 1% | 3.145 | 3.466 | 2.460 | 3.858 | 4.822 | 1% | 4.117 |
| %RSD | | 1 | 0.631 | 0.696 | 0.494 | 0.776 | 0.969 | 1 | 0.819 |

**CCB** 05/01/2011 01:45:04 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:46:12 | 94% | 0.030 | 11.920 | 0.000 | 33.090 | 13.190 | 12.590 | 13.190 | 2.102 |
| 2 | 13:47:20 | 94% | 0.075 | 9.474 | 0.000 | 43.490 | 20.130 | 19.680 | 18.280 | 3.302 |
| 3 | 13:48:28 | 93% | 0.131 | 7.922 | 0.000 | 35.680 | 19.650 | 19.840 | 19.820 | 3.244 |
| x | | 94% | 0.079 | 9.771 | 0.000 | 37.420 | 17.650 | 17.370 | 17.100 | 2.883 |
| σ | | 0% | 0.050 | 2.013 | 0.000 | 5.415 | 3.876 | 4.139 | 3.469 | 0.677 |
| %RSD | | 0 | 63.880 | 20.610 | 0.000 | 14.470 | 21.950 | 23.830 | 20.290 | 23.480 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:46:12 | 0.130 | 7.731 | 0.000 | 0.000 | -0.478 | 28.960 | -35.440 | 91% | -0.246 |
| 2 | 13:47:20 | 1.834 | 10.000 | 0.000 | 0.000 | 0.658 | 15.040 | -24.000 | 91% | -0.404 |
| 3 | 13:48:28 | 1.064 | 7.412 | 0.000 | 0.000 | -3.477 | 35.330 | -30.320 | 94% | -0.663 |
| x | | 1.009 | 8.381 | 0.000 | 0.000 | -1.099 | 26.440 | -29.920 | 92% | -0.438 |
| σ | | 0.854 | 1.411 | 0.000 | 0.000 | 2.137 | 10.380 | 5.733 | 2% | 0.211 |
| %RSD | | 84.560 | 16.840 | 0.000 | 0.000 | 194.400 | 39.240 | 19.160 | 2 | 48.120 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:46:12 | 0.133 | 0.157 | 14.460 | 8.783 | 0.184 | 4.054 | 13.850 | 0.055 | 0.066 |
| 2 | 13:47:20 | 0.278 | 0.192 | 13.500 | 9.159 | 0.262 | 6.246 | 14.060 | 0.157 | 0.056 |
| 3 | 13:48:28 | 0.637 | 0.185 | 11.050 | 7.824 | 0.223 | 5.261 | 12.100 | 0.140 | 0.049 |
| x | | 0.349 | 0.178 | 13.000 | 8.589 | 0.223 | 5.187 | 13.340 | 0.117 | 0.057 |
| σ | | 0.260 | 0.019 | 1.759 | 0.688 | 0.039 | 1.097 | 1.074 | 0.054 | 0.009 |
| %RSD | | 74.360 | 10.490 | 13.530 | 8.012 | 17.600 | 21.160 | 8.058 | 46.420 | 15.070 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:46:12 | 0.137 | 0.210 | 0.048 | 0.428 | 0.466 | 0.011 | -0.544 | 0.466 | -2.722 |
| 2 | 13:47:20 | 0.212 | 0.175 | 0.192 | 0.371 | 0.220 | 0.027 | -0.440 | 0.220 | -2.148 |
| 3 | 13:48:28 | 0.252 | 0.210 | -0.082 | -0.125 | -0.024 | 0.115 | -0.467 | -0.024 | -0.035 |
| x | | 0.200 | 0.199 | 0.053 | 0.225 | 0.220 | 0.051 | -0.484 | 0.220 | -1.635 |
| σ | | 0.059 | 0.020 | 0.137 | 0.304 | 0.245 | 0.056 | 0.054 | 0.245 | 1.415 |
| %RSD | | 29.280 | 10.170 | 260.600 | 135.300 | 111.200 | 109.200 | 11.140 | 111.200 | 86.540 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:46:12 | 0.568 | 0.744 | 0.818 | 0.868 | 0.813 | -0.001 | 89% | 0.397 | 0.207 |
| 2 | 13:47:20 | 0.522 | 0.489 | 0.536 | 0.451 | 0.528 | -0.001 | 90% | 0.518 | 0.246 |
| 3 | 13:48:28 | 0.364 | 0.404 | 0.402 | 0.397 | 0.358 | 0.002 | 92% | 1.271 | 0.223 |
| x | | 0.485 | 0.545 | 0.586 | 0.572 | 0.566 | 0.000 | 90% | 0.729 | 0.225 |
| σ | | 0.107 | 0.177 | 0.212 | 0.258 | 0.230 | 0.002 | 2% | 0.473 | 0.020 |
| %RSD | | 22.150 | 32.370 | 36.230 | 45.100 | 40.570 | 2412.000 | 2 | 64.980 | 8.810 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:46:12 | -0.105 | 0.397 | 0.199 | 0.103 | 0.303 | 0.554 | 0.424 | 0.520 | 90% |
| 2 | 13:47:20 | -0.226 | 0.518 | 0.236 | 0.189 | 0.293 | 0.444 | 0.919 | 0.914 | 90% |
| 3 | 13:48:28 | -0.594 | 1.276 | 0.197 | 0.198 | 0.226 | 0.416 | 0.763 | 0.873 | 91% |
| x | | -0.308 | 0.730 | 0.211 | 0.163 | 0.274 | 0.472 | 0.702 | 0.769 | 90% |
| σ | | 0.255 | 0.477 | 0.022 | 0.052 | 0.042 | 0.073 | 0.253 | 0.216 | 1% |
| %RSD | | 82.670 | 65.270 | 10.330 | 32.160 | 15.230 | 15.510 | 36.100 | 28.130 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:46:12 | 90% | 0.149 | 0.175 | 0.067 | 0.076 | 0.074 | 90% | 0.110 |
| 2 | 13:47:20 | 91% | 0.206 | 0.218 | 0.126 | 0.130 | 0.125 | 92% | 0.146 |
| 3 | 13:48:28 | 92% | 0.178 | 0.191 | 0.123 | 0.115 | 0.117 | 93% | 0.146 |
| x | | 91% | 0.178 | 0.195 | 0.105 | 0.107 | 0.105 | 92% | 0.134 |
| σ | | 1% | 0.028 | 0.021 | 0.033 | 0.028 | 0.027 | 1% | 0.021 |
| %RSD | | 1 | 16.020 | 11.020 | 31.390 | 26.160 | 26.090 | 2 | 15.630 |

**C1868-03 MF3T92** 05/01/2011 01:52:59 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:54:07 | 92% | 0.023 | 1249.000 | 0.000 | 330200.000 | 67590.000 | 66660.000 | 66320.000 | 6.417 |
| 2 | 13:55:15 | 91% | 0.015 | 1270.000 | 0.000 | 324200.000 | 66390.000 | 66040.000 | 65920.000 | 4.645 |
| 3 | 13:56:23 | 94% | -0.009 | 1238.000 | 0.000 | 324500.000 | 66220.000 | 65490.000 | 65500.000 | 4.200 |
| x | | 92% | 0.010 | 1252.000 | 0.000 | 326300.000 | 66730.000 | 66060.000 | 65920.000 | 5.087 |
| σ | | 2% | 0.017 | 16.360 | 0.000 | 3352.000 | 744.900 | 584.200 | 409.500 | 1.173 |
| %RSD | | 2 | 168.200 | 1.306 | 0.000 | 1.027 | 1.116 | 0.884 | 0.621 | 23.060 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:54:07 | 21270.000 | -3.967 | 0.000 | 0.000 | 5710.000 | 167700.000 | 185100.000 | 96% | 0.631 |
| 2 | 13:55:15 | 21070.000 | -5.076 | 0.000 | 0.000 | 5711.000 | 162800.000 | 181300.000 | 98% | 0.919 |
| 3 | 13:56:23 | 21080.000 | -6.110 | 0.000 | 0.000 | 5668.000 | 165000.000 | 182300.000 | 97% | 0.867 |
| x | | 21140.000 | -5.051 | 0.000 | 0.000 | 5696.000 | 165100.000 | 182900.000 | 97% | 0.805 |
| σ | | 113.000 | 1.071 | 0.000 | 0.000 | 24.510 | 2482.000 | 1938.000 | 1% | 0.154 |
| %RSD | | 0.535 | 21.210 | 0.000 | 0.000 | 0.430 | 1.503 | 1.060 | 1 | 19.080 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:54:07 | 42.950 | 0.837 | 137.400 | 5.129 | 0.418 | 12.160 | 581.400 | 0.277 | 2.670 |
| 2 | 13:55:15 | 41.950 | 0.786 | 140.500 | 0.685 | 0.356 | 9.996 | 567.200 | 0.265 | 2.748 |
| 3 | 13:56:23 | 41.510 | 0.824 | 146.400 | -1.673 | 0.207 | 7.174 | 596.200 | 0.116 | 3.177 |
| x | | 42.140 | 0.816 | 141.400 | 1.380 | 0.327 | 9.777 | 581.600 | 0.219 | 2.865 |
| σ | | 0.741 | 0.026 | 4.578 | 3.454 | 0.108 | 2.501 | 14.520 | 0.090 | 0.273 |
| %RSD | | 1.758 | 3.242 | 3.237 | 250.300 | 33.150 | 25.580 | 2.496 | 40.940 | 9.517 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:54:07 | 3.160 | 3.334 | 3.196 | 9.260 | 23.340 | 0.721 | 19.190 | 23.670 | 3.007 |
| 2 | 13:55:15 | 2.957 | 3.188 | 2.938 | 8.530 | 22.530 | 0.927 | 18.200 | 22.890 | 2.015 |
| 3 | 13:56:23 | 3.135 | 2.937 | 2.906 | 9.176 | 25.100 | 0.776 | 17.900 | 25.470 | -0.317 |
| x | | 3.084 | 3.153 | 3.013 | 8.989 | 23.660 | 0.808 | 18.430 | 24.010 | 1.568 |
| σ | | 0.111 | 0.201 | 0.159 | 0.400 | 1.310 | 0.107 | 0.672 | 1.322 | 1.707 |
| %RSD | | 3.595 | 6.370 | 5.280 | 4.446 | 5.536 | 13.180 | 3.646 | 5.507 | 108.800 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:54:07 | 7.193 | 1.690 | 1.952 | 1.962 | 1.841 | 0.007 | 80% | -0.351 | 0.158 |
| 2 | 13:55:15 | 6.034 | 1.758 | 1.831 | 1.863 | 1.699 | 0.007 | 79% | 0.475 | 0.117 |
| 3 | 13:56:23 | 5.975 | 1.671 | 1.802 | 1.839 | 1.548 | 0.003 | 80% | 0.027 | 0.049 |
| x | | 6.401 | 1.706 | 1.862 | 1.888 | 1.696 | 0.006 | 80% | 0.050 | 0.108 |
| σ | | 0.687 | 0.046 | 0.080 | 0.066 | 0.147 | 0.002 | 0% | 0.414 | 0.055 |
| %RSD | | 10.730 | 2.677 | 4.291 | 3.471 | 8.651 | 41.670 | 0 | 821.900 | 51.040 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:54:07 | 0.393 | -0.367 | 0.137 | 0.056 | 0.220 | 0.291 | 28.250 | 28.360 | 88% |
| 2 | 13:55:15 | -0.060 | 0.459 | 0.100 | 0.137 | 0.182 | 0.244 | 28.690 | 28.800 | 87% |
| 3 | 13:56:23 | 0.185 | 0.009 | 0.036 | -0.039 | 0.041 | 0.170 | 29.210 | 27.970 | 89% |
| x | | 0.173 | 0.034 | 0.091 | 0.051 | 0.147 | 0.235 | 28.720 | 28.380 | 88% |
| σ | | 0.227 | 0.414 | 0.051 | 0.088 | 0.094 | 0.061 | 0.480 | 0.414 | 1% |
| %RSD | | 131.500 | 1232.000 | 56.250 | 171.600 | 64.070 | 25.890 | 1.669 | 1.460 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 13:54:07 | 88% | 0.276 | 0.261 | 0.378 | 0.392 | 0.388 | 85% | 12.790 |
| 2 | 13:55:15 | 88% | 0.158 | 0.157 | 0.328 | 0.326 | 0.316 | 85% | 12.930 |
| 3 | 13:56:23 | 89% | 0.062 | 0.067 | 0.236 | 0.192 | 0.214 | 85% | 12.860 |
| x | | 89% | 0.166 | 0.162 | 0.314 | 0.303 | 0.306 | 85% | 12.860 |
| σ | | 1% | 0.107 | 0.097 | 0.072 | 0.102 | 0.087 | 0% | 0.070 |
| %RSD | | 1 | 64.710 | 60.030 | 22.940 | 33.720 | 28.570 | 0 | 0.544 |

**C1868-06 MF3TA5S** 05/01/2011 02:00:54 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:02:02 | 90% | 47.960 | 1040.000 | 0.000 | 234700.000 | 32170.000 | 31590.000 | 31240.000 | 1905.000 |
| 2 | 14:03:11 | 92% | 48.330 | 1036.000 | 0.000 | 240200.000 | 32520.000 | 32360.000 | 32040.000 | 1930.000 |
| 3 | 14:04:19 | 93% | 47.930 | 1067.000 | 0.000 | 236800.000 | 32060.000 | 31400.000 | 31020.000 | 1872.000 |
| x | | 92% | 48.070 | 1047.000 | 0.000 | 237300.000 | 32250.000 | 31780.000 | 31430.000 | 1902.000 |
| σ | | 1% | 0.226 | 16.650 | 0.000 | 2743.000 | 240.100 | 509.500 | 534.200 | 29.250 |
| %RSD | | 1 | 0.470 | 1.590 | 0.000 | 1.156 | 0.745 | 1.603 | 1.700 | 1.538 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:02:02 | 24800.000 | 23.700 | 0.000 | 0.000 | 5215.000 | 144100.000 | 160700.000 | 89% | 1.603 |
| 2 | 14:03:11 | 25250.000 | 20.840 | 0.000 | 0.000 | 5301.000 | 147300.000 | 162300.000 | 89% | 0.782 |
| 3 | 14:04:19 | 24550.000 | 18.630 | 0.000 | 0.000 | 5159.000 | 141800.000 | 158000.000 | 91% | 1.314 |
| x | | 24870.000 | 21.060 | 0.000 | 0.000 | 5225.000 | 144400.000 | 160300.000 | 90% | 1.233 |
| σ | | 350.400 | 2.543 | 0.000 | 0.000 | 71.860 | 2740.000 | 2175.000 | 1% | 0.417 |
| %RSD | | 1.409 | 12.070 | 0.000 | 0.000 | 1.375 | 1.897 | 1.357 | 1 | 33.780 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:02:02 | 502.100 | 205.700 | 205.600 | 911.900 | 461.200 | 916.400 | 1426.000 | 459.900 | 459.900 |
| 2 | 14:03:11 | 515.200 | 211.700 | 223.300 | 950.400 | 468.600 | 946.000 | 1496.000 | 477.300 | 473.900 |
| 3 | 14:04:19 | 496.400 | 206.500 | 231.400 | 911.400 | 454.000 | 907.400 | 1483.000 | 464.400 | 461.500 |
| x | | 504.600 | 208.000 | 220.100 | 924.500 | 461.300 | 923.300 | 1468.000 | 467.200 | 465.100 |
| σ | | 9.654 | 3.260 | 13.190 | 22.380 | 7.297 | 20.170 | 37.330 | 9.021 | 7.695 |
| %RSD | | 1.913 | 1.568 | 5.992 | 2.421 | 1.582 | 2.185 | 2.542 | 1.931 | 1.655 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:02:02 | 254.300 | 253.000 | 450.600 | 46.930 | 20.430 | 1.228 | 16.550 | 20.540 | 0.781 |
| 2 | 14:03:11 | 263.200 | 262.700 | 464.000 | 48.180 | 21.240 | 1.311 | 17.620 | 21.390 | -1.049 |
| 3 | 14:04:19 | 256.600 | 256.700 | 454.700 | 46.580 | 18.960 | 1.383 | 17.360 | 19.080 | -1.287 |
| x | | 258.000 | 257.500 | 456.400 | 47.230 | 20.210 | 1.307 | 17.170 | 20.340 | -0.518 |
| σ | | 4.650 | 4.917 | 6.880 | 0.843 | 1.152 | 0.078 | 0.556 | 1.167 | 1.131 |
| %RSD | | 1.802 | 1.910 | 1.507 | 1.784 | 5.700 | 5.965 | 3.238 | 5.737 | 218.300 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:02:02 | 1.125 | 1.276 | 1.376 | 1.250 | 1.372 | 0.003 | 82% | 39.060 | 45.300 |
| 2 | 14:03:11 | 0.978 | 1.363 | 1.364 | 1.556 | 1.456 | 0.007 | 81% | 48.180 | 47.330 |
| 3 | 14:04:19 | 0.842 | 1.379 | 1.421 | 1.481 | 1.303 | 0.007 | 83% | 45.150 | 45.150 |
| x | | 0.982 | 1.339 | 1.387 | 1.429 | 1.377 | 0.005 | 82% | 44.130 | 45.930 |
| σ | | 0.142 | 0.056 | 0.030 | 0.160 | 0.077 | 0.002 | 1% | 4.643 | 1.218 |
| %RSD | | 14.410 | 4.153 | 2.160 | 11.170 | 5.579 | 41.760 | 1 | 10.520 | 2.651 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:02:02 | 1.398 | 39.060 | 45.240 | 48.890 | 0.582 | 93.280 | 1907.000 | 1915.000 | 88% |
| 2 | 14:03:11 | -0.428 | 48.190 | 47.180 | 49.020 | 0.554 | 98.530 | 1998.000 | 1985.000 | 86% |
| 3 | 14:04:19 | 0.464 | 45.160 | 45.020 | 47.790 | 0.514 | 94.990 | 1900.000 | 1918.000 | 89% |
| x | | 0.478 | 44.140 | 45.810 | 48.560 | 0.550 | 95.600 | 1935.000 | 1939.000 | 88% |
| σ | | 0.913 | 4.650 | 1.192 | 0.674 | 0.034 | 2.676 | 54.890 | 39.760 | 1% |
| %RSD | | 190.900 | 10.540 | 2.601 | 1.389 | 6.231 | 2.799 | 2.837 | 2.050 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:02:02 | 89% | 46.530 | 46.670 | 22.290 | 20.170 | 20.970 | 85% | 8.075 |
| 2 | 14:03:11 | 88% | 48.020 | 48.630 | 22.600 | 20.940 | 21.750 | 84% | 8.315 |
| 3 | 14:04:19 | 90% | 46.240 | 46.850 | 21.730 | 20.170 | 20.690 | 87% | 7.970 |
| x | | 89% | 46.930 | 47.380 | 22.210 | 20.430 | 21.140 | 85% | 8.120 |
| σ | | 1% | 0.956 | 1.083 | 0.442 | 0.446 | 0.551 | 1% | 0.177 |
| %RSD | | 1 | 2.037 | 2.286 | 1.990 | 2.184 | 2.605 | 1 | 2.178 |

**C1868-04 MF3TA5** 05/01/2011 02:08:50 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:09:58 | 89% | -0.009 | 1007.000 | 0.000 | 232000.000 | 31110.000 | 30800.000 | 30480.000 | 2.780 |
| 2 | 14:11:06 | 90% | -0.048 | 1029.000 | 0.000 | 235000.000 | 31730.000 | 31380.000 | 30560.000 | 2.955 |
| 3 | 14:12:15 | 90% | -0.038 | 1021.000 | 0.000 | 232400.000 | 31210.000 | 30850.000 | 30550.000 | 2.998 |
| x | | 90% | -0.032 | 1019.000 | 0.000 | 233100.000 | 31350.000 | 31010.000 | 30530.000 | 2.911 |
| σ | | 0% | 0.020 | 11.410 | 0.000 | 1615.000 | 333.100 | 326.400 | 45.880 | 0.116 |
| %RSD | | 0 | 63.880 | 1.120 | 0.000 | 0.693 | 1.063 | 1.053 | 0.150 | 3.966 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:09:58 | 24410.000 | 25.830 | 0.000 | 0.000 | 5178.000 | 140000.000 | 154800.000 | 90% | 1.175 |
| 2 | 14:11:06 | 24880.000 | 22.360 | 0.000 | 0.000 | 5305.000 | 142600.000 | 158300.000 | 88% | 1.584 |
| 3 | 14:12:15 | 24580.000 | 24.190 | 0.000 | 0.000 | 5138.000 | 139000.000 | 154600.000 | 90% | 1.338 |
| x | | 24620.000 | 24.130 | 0.000 | 0.000 | 5207.000 | 140600.000 | 155900.000 | 89% | 1.366 |
| σ | | 238.000 | 1.736 | 0.000 | 0.000 | 87.210 | 1860.000 | 2074.000 | 1% | 0.206 |
| %RSD | | 0.967 | 7.196 | 0.000 | 0.000 | 1.675 | 1.323 | 1.330 | 1 | 15.070 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:09:58 | 40.070 | 25.490 | 201.000 | 3.590 | 0.531 | 6.577 | 495.500 | 1.126 | 2.508 |
| 2 | 14:11:06 | 40.430 | 26.740 | 221.200 | 3.734 | 0.685 | 7.404 | 467.700 | 1.232 | 2.459 |
| 3 | 14:12:15 | 38.170 | 25.970 | 222.200 | 3.155 | 0.620 | 7.167 | 478.000 | 1.033 | 2.565 |
| x | | 39.560 | 26.070 | 214.800 | 3.493 | 0.612 | 7.049 | 480.400 | 1.130 | 2.510 |
| σ | | 1.215 | 0.633 | 11.960 | 0.301 | 0.077 | 0.426 | 14.050 | 0.099 | 0.053 |
| %RSD | | 3.072 | 2.427 | 5.567 | 8.632 | 12.640 | 6.041 | 2.925 | 8.783 | 2.120 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:09:58 | 24.340 | 24.860 | 4.861 | 9.027 | 10.980 | 0.966 | 6.189 | 11.030 | 0.916 |
| 2 | 14:11:06 | 24.470 | 25.810 | 4.916 | 9.255 | 11.240 | 1.163 | 7.330 | 11.270 | -1.548 |
| 3 | 14:12:15 | 24.410 | 24.360 | 4.764 | 8.286 | 11.170 | 1.255 | 7.355 | 11.230 | 0.728 |
| x | | 24.410 | 25.010 | 4.847 | 8.856 | 11.130 | 1.128 | 6.958 | 11.180 | 0.032 |
| σ | | 0.064 | 0.737 | 0.077 | 0.506 | 0.137 | 0.148 | 0.666 | 0.131 | 1.372 |
| %RSD | | 0.264 | 2.946 | 1.586 | 5.717 | 1.228 | 13.090 | 9.572 | 1.172 | 4283.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:09:58 | 0.772 | 1.231 | 1.151 | 1.382 | 1.317 | 0.007 | 84% | 0.580 | 0.124 |
| 2 | 14:11:06 | 0.905 | 1.272 | 1.258 | 1.398 | 1.343 | 0.007 | 83% | 0.367 | 0.096 |
| 3 | 14:12:15 | 0.882 | 1.254 | 1.327 | 1.586 | 1.313 | 0.015 | 82% | -0.264 | 0.087 |
| x | | 0.853 | 1.252 | 1.245 | 1.455 | 1.324 | 0.009 | 83% | 0.228 | 0.102 |
| σ | | 0.071 | 0.020 | 0.089 | 0.113 | 0.016 | 0.005 | 1% | 0.439 | 0.020 |
| %RSD | | 8.299 | 1.610 | 7.113 | 7.782 | 1.245 | 49.240 | 1 | 192.800 | 19.230 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:09:58 | -0.246 | 0.566 | 0.103 | 0.042 | 0.456 | 0.167 | 35.290 | 35.030 | 90% |
| 2 | 14:11:06 | -0.013 | 0.353 | 0.121 | 0.024 | 0.469 | 0.201 | 35.570 | 35.180 | 90% |
| 3 | 14:12:15 | 0.164 | -0.280 | 0.080 | -0.017 | 0.512 | 0.182 | 33.500 | 33.900 | 91% |
| x | | -0.032 | 0.213 | 0.102 | 0.016 | 0.479 | 0.183 | 34.790 | 34.700 | 91% |
| σ | | 0.206 | 0.441 | 0.020 | 0.030 | 0.029 | 0.017 | 1.121 | 0.700 | 0% |
| %RSD | | 649.800 | 206.800 | 20.180 | 184.800 | 6.130 | 9.080 | 3.224 | 2.018 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:09:58 | 91% | 0.214 | 0.207 | 1.565 | 1.557 | 1.579 | 87% | 7.789 |
| 2 | 14:11:06 | 91% | 0.144 | 0.163 | 1.624 | 1.561 | 1.583 | 88% | 7.963 |
| 3 | 14:12:15 | 91% | 0.151 | 0.143 | 1.679 | 1.601 | 1.587 | 88% | 7.891 |
| x | | 91% | 0.170 | 0.171 | 1.623 | 1.573 | 1.583 | 88% | 7.881 |
| σ | | 0% | 0.039 | 0.033 | 0.057 | 0.025 | 0.004 | 0% | 0.087 |
| %RSD | | 0 | 22.800 | 19.090 | 3.529 | 1.559 | 0.272 | 0 | 1.107 |

**C1868-05 MF3TA5D** 05/01/2011 02:16:46 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:17:54 | 89% | -0.115 | 1024.000 | 0.000 | 230200.000 | 30870.000 | 30550.000 | 30000.000 | 0.997 |
| 2 | 14:19:02 | 89% | -0.027 | 1041.000 | 0.000 | 234800.000 | 31240.000 | 31060.000 | 30920.000 | 1.031 |
| 3 | 14:20:10 | 89% | -0.076 | 1050.000 | 0.000 | 235300.000 | 31430.000 | 31110.000 | 31010.000 | 0.899 |
| x | | 89% | -0.073 | 1038.000 | 0.000 | 233400.000 | 31180.000 | 30910.000 | 30640.000 | 0.976 |
| σ | | 0% | 0.044 | 13.300 | 0.000 | 2814.000 | 284.900 | 307.400 | 558.200 | 0.068 |
| %RSD | | 1 | 60.300 | 1.281 | 0.000 | 1.206 | 0.914 | 0.995 | 1.821 | 7.019 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:17:54 | 24350.000 | 17.160 | 0.000 | 0.000 | 5207.000 | 139300.000 | 153600.000 | 90% | 1.070 |
| 2 | 14:19:02 | 24790.000 | 22.460 | 0.000 | 0.000 | 5211.000 | 140000.000 | 155500.000 | 89% | 1.059 |
| 3 | 14:20:10 | 24860.000 | 20.490 | 0.000 | 0.000 | 5217.000 | 140800.000 | 155900.000 | 88% | 0.768 |
| x | | 24670.000 | 20.040 | 0.000 | 0.000 | 5212.000 | 140000.000 | 155000.000 | 89% | 0.966 |
| σ | | 275.800 | 2.682 | 0.000 | 0.000 | 5.047 | 741.300 | 1230.000 | 1% | 0.171 |
| %RSD | | 1.118 | 13.390 | 0.000 | 0.000 | 0.097 | 0.529 | 0.794 | 1 | 17.690 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:17:54 | 39.700 | 25.330 | 196.300 | 1.757 | 0.185 | 4.699 | 485.900 | 0.756 | 1.940 |
| 2 | 14:19:02 | 39.810 | 25.330 | 206.000 | 0.409 | 0.218 | 4.285 | 461.000 | 0.735 | 1.811 |
| 3 | 14:20:10 | 38.430 | 25.290 | 217.200 | 0.992 | 0.142 | 4.193 | 458.400 | 0.831 | 2.147 |
| x | | 39.320 | 25.320 | 206.500 | 1.053 | 0.182 | 4.392 | 468.400 | 0.774 | 1.966 |
| σ | | 0.768 | 0.026 | 10.460 | 0.676 | 0.038 | 0.269 | 15.220 | 0.051 | 0.170 |
| %RSD | | 1.954 | 0.101 | 5.067 | 64.270 | 21.030 | 6.129 | 3.249 | 6.556 | 8.628 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:17:54 | 23.820 | 24.130 | 4.152 | 8.632 | 11.100 | 0.975 | 7.582 | 11.150 | -0.418 |
| 2 | 14:19:02 | 24.100 | 24.050 | 3.849 | 7.943 | 11.950 | 1.333 | 7.328 | 11.990 | 1.163 |
| 3 | 14:20:10 | 23.870 | 24.660 | 4.160 | 9.031 | 11.870 | 1.067 | 6.469 | 11.920 | 0.123 |
| x | | 23.930 | 24.280 | 4.054 | 8.535 | 11.640 | 1.125 | 7.126 | 11.690 | 0.289 |
| σ | | 0.149 | 0.330 | 0.177 | 0.550 | 0.471 | 0.186 | 0.583 | 0.466 | 0.803 |
| %RSD | | 0.620 | 1.359 | 4.374 | 6.448 | 4.047 | 16.550 | 8.185 | 3.988 | 277.700 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:17:54 | 0.803 | 1.253 | 1.317 | 1.479 | 1.157 | 0.003 | 84% | 0.103 | 0.027 |
| 2 | 14:19:02 | 0.833 | 1.355 | 1.032 | 1.129 | 1.327 | 0.014 | 85% | 0.748 | 0.024 |
| 3 | 14:20:10 | 0.813 | 1.436 | 1.230 | 1.271 | 1.248 | 0.011 | 83% | -0.426 | 0.019 |
| x | | 0.816 | 1.348 | 1.193 | 1.293 | 1.244 | 0.009 | 84% | 0.142 | 0.023 |
| σ | | 0.015 | 0.092 | 0.146 | 0.176 | 0.085 | 0.006 | 1% | 0.588 | 0.004 |
| %RSD | | 1.884 | 6.803 | 12.270 | 13.610 | 6.820 | 63.680 | 1 | 415.300 | 17.330 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:17:54 | -0.096 | 0.087 | 0.033 | -0.045 | 0.470 | 0.097 | 32.680 | 33.000 | 92% |
| 2 | 14:19:02 | -0.340 | 0.736 | 0.022 | -0.018 | 0.420 | 0.090 | 33.800 | 32.130 | 91% |
| 3 | 14:20:10 | 0.310 | -0.441 | 0.012 | -0.090 | 0.392 | 0.049 | 32.300 | 32.520 | 90% |
| x | | -0.042 | 0.127 | 0.022 | -0.051 | 0.427 | 0.079 | 32.930 | 32.550 | 91% |
| σ | | 0.329 | 0.589 | 0.011 | 0.036 | 0.040 | 0.026 | 0.781 | 0.438 | 1% |
| %RSD | | 784.000 | 463.400 | 47.060 | 71.160 | 9.266 | 33.170 | 2.371 | 1.345 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:17:54 | 92% | 0.027 | 0.023 | 1.594 | 1.535 | 1.531 | 89% | 7.815 |
| 2 | 14:19:02 | 92% | 0.015 | 0.020 | 1.642 | 1.466 | 1.534 | 89% | 7.803 |
| 3 | 14:20:10 | 90% | 0.012 | 0.016 | 1.522 | 1.468 | 1.490 | 88% | 7.830 |
| x | | 91% | 0.018 | 0.020 | 1.586 | 1.490 | 1.518 | 89% | 7.816 |
| σ | | 1% | 0.008 | 0.004 | 0.061 | 0.039 | 0.025 | 1% | 0.013 |
| %RSD | | 1 | 42.710 | 18.840 | 3.830 | 2.615 | 1.634 | 1 | 0.170 |

**zzzzzz** 05/01/2011 02:24:43 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:25:51 | 90% | 10.220 | 246.000 | 0.000 | 50150.000 | 6807.000 | 6558.000 | 6613.000 | 395.600 |
| 2 | 14:26:59 | 91% | 9.378 | 229.600 | 0.000 | 48720.000 | 6629.000 | 6433.000 | 6479.000 | 392.100 |
| 3 | 14:28:07 | 92% | 9.051 | 234.200 | 0.000 | 49210.000 | 6628.000 | 6401.000 | 6588.000 | 397.000 |
| x | | 91% | 9.549 | 236.600 | 0.000 | 49360.000 | 6688.000 | 6464.000 | 6560.000 | 394.900 |
| σ | | 1% | 0.601 | 8.473 | 0.000 | 728.800 | 102.600 | 83.020 | 71.080 | 2.547 |
| %RSD | | 1 | 6.296 | 3.581 | 0.000 | 1.477 | 1.535 | 1.284 | 1.083 | 0.645 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:25:51 | 5179.000 | 1.834 | 0.000 | 0.000 | 1065.000 | 30360.000 | 32390.000 | 90% | -0.676 |
| 2 | 14:26:59 | 5101.000 | 3.553 | 0.000 | 0.000 | 1064.000 | 30120.000 | 31770.000 | 89% | -0.484 |
| 3 | 14:28:07 | 5089.000 | 8.383 | 0.000 | 0.000 | 1059.000 | 29620.000 | 31830.000 | 88% | -0.351 |
| x | | 5123.000 | 4.590 | 0.000 | 0.000 | 1063.000 | 30030.000 | 32000.000 | 89% | -0.504 |
| σ | | 49.130 | 3.396 | 0.000 | 0.000 | 3.195 | 378.700 | 342.300 | 1% | 0.164 |
| %RSD | | 0.959 | 73.980 | 0.000 | 0.000 | 0.301 | 1.261 | 1.070 | 1 | 32.470 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:25:51 | 103.800 | 43.330 | 82.390 | 192.800 | 96.640 | 189.900 | 300.600 | 95.690 | 97.030 |
| 2 | 14:26:59 | 101.000 | 42.480 | 85.330 | 196.800 | 94.300 | 188.500 | 297.800 | 96.210 | 96.610 |
| 3 | 14:28:07 | 102.700 | 43.070 | 83.190 | 188.600 | 94.310 | 187.500 | 293.500 | 96.640 | 98.340 |
| x | | 102.500 | 42.960 | 83.630 | 192.700 | 95.080 | 188.600 | 297.300 | 96.180 | 97.330 |
| σ | | 1.390 | 0.439 | 1.518 | 4.094 | 1.348 | 1.202 | 3.607 | 0.474 | 0.905 |
| %RSD | | 1.356 | 1.021 | 1.814 | 2.124 | 1.417 | 0.637 | 1.213 | 0.493 | 0.930 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:25:51 | 54.780 | 55.140 | 97.140 | 9.310 | 3.539 | 0.489 | 2.648 | 3.549 | 2.619 |
| 2 | 14:26:59 | 53.560 | 55.000 | 95.810 | 9.881 | 4.196 | 0.283 | 2.530 | 4.201 | 0.027 |
| 3 | 14:28:07 | 53.470 | 53.830 | 96.120 | 9.305 | 3.120 | 0.401 | 2.428 | 3.121 | 1.000 |
| x | | 53.940 | 54.660 | 96.360 | 9.498 | 3.618 | 0.391 | 2.535 | 3.624 | 1.215 |
| σ | | 0.735 | 0.721 | 0.692 | 0.331 | 0.542 | 0.103 | 0.110 | 0.544 | 1.309 |
| %RSD | | 1.362 | 1.319 | 0.719 | 3.487 | 14.990 | 26.430 | 4.348 | 15.010 | 107.800 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:25:51 | 0.115 | 0.223 | 0.253 | 0.280 | 0.250 | 0.010 | 86% | 7.599 | 9.468 |
| 2 | 14:26:59 | 0.074 | 0.242 | 0.227 | 0.201 | 0.180 | 0.006 | 87% | 8.409 | 9.062 |
| 3 | 14:28:07 | 0.135 | 0.284 | 0.172 | 0.243 | 0.183 | 0.003 | 87% | 7.658 | 9.106 |
| x | | 0.108 | 0.250 | 0.217 | 0.241 | 0.204 | 0.006 | 86% | 7.889 | 9.212 |
| σ | | 0.031 | 0.031 | 0.042 | 0.039 | 0.040 | 0.004 | 1% | 0.451 | 0.223 |
| %RSD | | 29.020 | 12.500 | 19.210 | 16.380 | 19.460 | 59.120 | 1 | 5.721 | 2.419 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:25:51 | 2.049 | 7.603 | 9.254 | 9.849 | 0.050 | 19.400 | 394.600 | 398.100 | 89% |
| 2 | 14:26:59 | -0.577 | 8.415 | 9.115 | 9.534 | 0.078 | 18.750 | 394.100 | 387.200 | 90% |
| 3 | 14:28:07 | 0.606 | 7.667 | 9.339 | 9.355 | 0.012 | 18.920 | 387.700 | 386.600 | 89% |
| x | | 0.693 | 7.895 | 9.236 | 9.579 | 0.047 | 19.030 | 392.100 | 390.600 | 89% |
| σ | | 1.315 | 0.452 | 0.113 | 0.250 | 0.033 | 0.334 | 3.866 | 6.449 | 0% |
| %RSD | | 189.800 | 5.720 | 1.221 | 2.611 | 70.640 | 1.756 | 0.986 | 1.651 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:25:51 | 89% | 9.479 | 9.559 | 4.473 | 4.074 | 4.227 | 88% | 1.580 |
| 2 | 14:26:59 | 91% | 9.426 | 9.525 | 4.329 | 4.004 | 4.058 | 89% | 1.509 |
| 3 | 14:28:07 | 90% | 9.262 | 9.351 | 4.206 | 3.921 | 4.027 | 90% | 1.517 |
| x | | 90% | 9.389 | 9.478 | 4.336 | 4.000 | 4.104 | 89% | 1.535 |
| σ | | 1% | 0.113 | 0.112 | 0.134 | 0.077 | 0.108 | 1% | 0.039 |
| %RSD | | 1 | 1.203 | 1.179 | 3.081 | 1.913 | 2.620 | 1 | 2.548 |

**C1868-03X25 MF3T92** 05/01/2011 02:32:40 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:33:48 | 95% | -0.135 | 70.420 | 0.000 | 14650.000 | 3004.000 | 2889.000 | 2929.000 | 0.461 |
| 2 | 14:34:56 | 94% | -0.162 | 70.550 | 0.000 | 14800.000 | 3055.000 | 2928.000 | 2949.000 | 0.465 |
| 3 | 14:36:05 | 95% | -0.081 | 69.130 | 0.000 | 14860.000 | 3067.000 | 2936.000 | 2980.000 | 0.284 |
| x | | 95% | -0.126 | 70.030 | 0.000 | 14770.000 | 3042.000 | 2917.000 | 2953.000 | 0.403 |
| σ | | 1% | 0.041 | 0.788 | 0.000 | 104.500 | 33.520 | 25.000 | 25.680 | 0.104 |
| %RSD | | 1 | 32.740 | 1.125 | 0.000 | 0.707 | 1.102 | 0.857 | 0.870 | 25.690 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:33:48 | 948.200 | 2.310 | 0.000 | 0.000 | 251.800 | 7499.000 | 7991.000 | 93% | -0.662 |
| 2 | 14:34:56 | 948.500 | 4.717 | 0.000 | 0.000 | 255.700 | 7518.000 | 8098.000 | 93% | -0.781 |
| 3 | 14:36:05 | 957.700 | -0.126 | 0.000 | 0.000 | 254.000 | 7465.000 | 8110.000 | 93% | -0.934 |
| x | | 951.500 | 2.301 | 0.000 | 0.000 | 253.800 | 7494.000 | 8066.000 | 93% | -0.792 |
| σ | | 5.425 | 2.421 | 0.000 | 0.000 | 1.963 | 26.990 | 65.180 | 0% | 0.136 |
| %RSD | | 0.570 | 105.200 | 0.000 | 0.000 | 0.774 | 0.360 | 0.808 | 0 | 17.170 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:33:48 | 2.043 | 0.174 | 33.670 | 0.724 | -0.020 | 0.421 | 22.290 | 0.009 | 0.080 |
| 2 | 14:34:56 | 1.400 | 0.125 | 32.670 | 3.765 | 0.015 | 0.771 | 30.120 | 0.018 | 0.002 |
| 3 | 14:36:05 | 1.869 | 0.090 | 30.460 | 1.858 | -0.016 | 0.764 | 24.740 | -0.001 | 0.065 |
| x | | 1.771 | 0.130 | 32.270 | 2.116 | -0.007 | 0.652 | 25.720 | 0.009 | 0.049 |
| σ | | 0.333 | 0.042 | 1.641 | 1.537 | 0.019 | 0.200 | 4.007 | 0.009 | 0.041 |
| %RSD | | 18.780 | 32.430 | 5.086 | 72.650 | 276.700 | 30.700 | 15.580 | 109.400 | 83.700 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:33:48 | 0.049 | 0.048 | -0.191 | 0.416 | 0.924 | 0.139 | 0.483 | 0.923 | -1.837 |
| 2 | 14:34:56 | -0.022 | 0.042 | -0.198 | 0.279 | 1.043 | 0.196 | 0.655 | 1.041 | -0.952 |
| 3 | 14:36:05 | -0.009 | 0.004 | -0.316 | 0.361 | 0.452 | 0.153 | 0.205 | 0.452 | 1.513 |
| x | | 0.006 | 0.031 | -0.235 | 0.352 | 0.806 | 0.163 | 0.448 | 0.806 | -0.425 |
| σ | | 0.038 | 0.024 | 0.070 | 0.069 | 0.313 | 0.030 | 0.227 | 0.312 | 1.736 |
| %RSD | | 625.400 | 77.350 | 29.820 | 19.520 | 38.770 | 18.390 | 50.720 | 38.700 | 408.300 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:33:48 | -0.026 | -0.010 | -0.004 | -0.006 | 0.024 | 0.013 | 92% | 0.411 | -0.013 |
| 2 | 14:34:56 | -0.015 | -0.000 | -0.017 | 0.041 | -0.009 | 0.002 | 93% | -0.021 | -0.013 |
| 3 | 14:36:05 | -0.025 | 0.025 | 0.010 | 0.003 | 0.025 | 0.006 | 91% | 0.464 | -0.020 |
| x | | -0.022 | 0.005 | -0.003 | 0.013 | 0.013 | 0.007 | 92% | 0.285 | -0.016 |
| σ | | 0.006 | 0.018 | 0.013 | 0.025 | 0.019 | 0.005 | 1% | 0.266 | 0.004 |
| %RSD | | 26.300 | 368.700 | 395.200 | 194.000 | 148.200 | 75.280 | 1 | 93.480 | 23.780 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:33:48 | -0.222 | 0.410 | -0.017 | -0.032 | -0.059 | -0.044 | 0.898 | 1.042 | 93% |
| 2 | 14:34:56 | 0.016 | -0.023 | -0.008 | -0.077 | -0.082 | -0.031 | 1.110 | 1.144 | 94% |
| 3 | 14:36:05 | -0.302 | 0.461 | -0.013 | -0.023 | -0.052 | -0.039 | 1.082 | 1.046 | 94% |
| x | | -0.169 | 0.283 | -0.013 | -0.044 | -0.064 | -0.038 | 1.030 | 1.077 | 93% |
| σ | | 0.166 | 0.266 | 0.004 | 0.029 | 0.016 | 0.007 | 0.115 | 0.058 | 0% |
| %RSD | | 97.840 | 94.020 | 32.390 | 66.680 | 24.390 | 17.720 | 11.190 | 5.356 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:33:48 | 94% | 0.009 | 0.013 | -0.069 | -0.067 | -0.064 | 94% | 0.434 |
| 2 | 14:34:56 | 95% | -0.002 | 0.001 | -0.078 | -0.065 | -0.065 | 94% | 0.439 |
| 3 | 14:36:05 | 94% | -0.006 | -0.005 | -0.071 | -0.068 | -0.067 | 95% | 0.430 |
| x | | 94% | 0.000 | 0.003 | -0.073 | -0.067 | -0.065 | 94% | 0.435 |
| σ | | 0% | 0.008 | 0.009 | 0.005 | 0.002 | 0.001 | 1% | 0.004 |
| %RSD | | 1 | 1727.000 | 299.500 | 6.931 | 2.616 | 1.772 | 1 | 1.032 |

**C1868-06X25 MF3TA5S** 05/01/2011 02:40:38 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:41:46 | 92% | 1.555 | 45.050 | 0.000 | 9526.000 | 1288.000 | 1222.000 | 1237.000 | 72.770 |
| 2 | 14:42:54 | 90% | 1.783 | 48.690 | 0.000 | 9736.000 | 1321.000 | 1262.000 | 1275.000 | 74.540 |
| 3 | 14:44:02 | 88% | 1.642 | 53.040 | 0.000 | 10190.000 | 1387.000 | 1321.000 | 1327.000 | 79.630 |
| x | | 90% | 1.660 | 48.920 | 0.000 | 9817.000 | 1332.000 | 1268.000 | 1280.000 | 75.650 |
| σ | | 2% | 0.115 | 4.000 | 0.000 | 338.300 | 50.060 | 49.560 | 45.470 | 3.561 |
| %RSD | | 3 | 6.941 | 8.175 | 0.000 | 3.446 | 3.758 | 3.908 | 3.553 | 4.707 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:41:46 | 943.300 | 3.233 | 0.000 | 0.000 | 214.300 | 5620.000 | 5888.000 | 92% | -0.810 |
| 2 | 14:42:54 | 973.100 | -1.802 | 0.000 | 0.000 | 219.600 | 5771.000 | 6124.000 | 92% | -0.900 |
| 3 | 14:44:02 | 1026.000 | 5.927 | 0.000 | 0.000 | 240.700 | 6147.000 | 6417.000 | 88% | -0.829 |
| x | | 980.700 | 2.453 | 0.000 | 0.000 | 224.900 | 5846.000 | 6143.000 | 91% | -0.846 |
| σ | | 41.760 | 3.924 | 0.000 | 0.000 | 13.940 | 271.300 | 264.900 | 2% | 0.047 |
| %RSD | | 4.258 | 160.000 | 0.000 | 0.000 | 6.201 | 4.641 | 4.313 | 2 | 5.601 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:41:46 | 17.890 | 7.821 | 28.730 | 39.360 | 17.660 | 35.060 | 47.900 | 17.820 | 18.140 |
| 2 | 14:42:54 | 19.440 | 8.148 | 27.260 | 40.290 | 18.110 | 36.710 | 55.150 | 18.250 | 18.590 |
| 3 | 14:44:02 | 20.720 | 8.480 | 27.920 | 42.500 | 19.240 | 39.990 | 53.570 | 19.220 | 19.330 |
| x | | 19.350 | 8.150 | 27.970 | 40.720 | 18.340 | 37.250 | 52.210 | 18.430 | 18.690 |
| σ | | 1.418 | 0.329 | 0.735 | 1.614 | 0.817 | 2.512 | 3.816 | 0.716 | 0.599 |
| %RSD | | 7.329 | 4.039 | 2.629 | 3.963 | 4.453 | 6.745 | 7.310 | 3.886 | 3.206 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:41:46 | 9.905 | 10.100 | 18.860 | 1.627 | 1.162 | 0.155 | 0.078 | 1.160 | -2.732 |
| 2 | 14:42:54 | 10.110 | 10.330 | 18.540 | 1.688 | 0.653 | 0.140 | -0.171 | 0.652 | 1.832 |
| 3 | 14:44:02 | 10.660 | 10.880 | 19.810 | 1.608 | 0.716 | 0.183 | -0.366 | 0.714 | 0.406 |
| x | | 10.230 | 10.440 | 19.070 | 1.641 | 0.844 | 0.159 | -0.153 | 0.842 | -0.165 |
| σ | | 0.392 | 0.402 | 0.663 | 0.042 | 0.278 | 0.022 | 0.222 | 0.277 | 2.335 |
| %RSD | | 3.837 | 3.852 | 3.476 | 2.558 | 32.890 | 13.880 | 145.300 | 32.900 | 1420.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:41:46 | -0.015 | 0.034 | -0.008 | 0.002 | 0.038 | 0.002 | 93% | 1.470 | 1.749 |
| 2 | 14:42:54 | -0.025 | 0.015 | -0.029 | -0.013 | 0.009 | 0.002 | 92% | 1.391 | 1.680 |
| 3 | 14:44:02 | -0.007 | -0.014 | 0.043 | -0.051 | 0.008 | -0.001 | 90% | 1.709 | 1.879 |
| x | | -0.016 | 0.012 | 0.002 | -0.021 | 0.019 | 0.001 | 92% | 1.524 | 1.769 |
| σ | | 0.009 | 0.024 | 0.037 | 0.027 | 0.017 | 0.002 | 2% | 0.166 | 0.101 |
| %RSD | | 57.430 | 201.900 | 1959.000 | 131.000 | 92.940 | 162.200 | 2 | 10.890 | 5.685 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:41:46 | 0.176 | 1.470 | 1.648 | 1.635 | -0.061 | 3.197 | 72.010 | 72.010 | 95% |
| 2 | 14:42:54 | -0.031 | 1.390 | 1.766 | 1.570 | -0.061 | 3.570 | 73.340 | 72.750 | 94% |
| 3 | 14:44:02 | -0.078 | 1.709 | 1.778 | 1.859 | -0.044 | 3.663 | 77.900 | 78.200 | 92% |
| x | | 0.022 | 1.523 | 1.731 | 1.688 | -0.055 | 3.477 | 74.410 | 74.320 | 93% |
| σ | | 0.135 | 0.166 | 0.072 | 0.152 | 0.010 | 0.247 | 3.088 | 3.382 | 2% |
| %RSD | | 602.200 | 10.910 | 4.147 | 8.978 | 18.370 | 7.097 | 4.150 | 4.551 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:41:46 | 95% | 1.727 | 1.697 | 0.699 | 0.675 | 0.690 | 96% | 0.242 |
| 2 | 14:42:54 | 95% | 1.791 | 1.764 | 0.760 | 0.663 | 0.700 | 96% | 0.274 |
| 3 | 14:44:02 | 92% | 1.818 | 1.834 | 0.835 | 0.718 | 0.752 | 93% | 0.266 |
| x | | 94% | 1.779 | 1.765 | 0.765 | 0.685 | 0.714 | 95% | 0.261 |
| σ | | 2% | 0.047 | 0.069 | 0.068 | 0.029 | 0.033 | 1% | 0.017 |
| %RSD | | 2 | 2.616 | 3.906 | 8.901 | 4.216 | 4.618 | 2 | 6.483 |

**C1868-04X25 MF3TA5** 05/01/2011 02:48:36 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:49:44 | 87% | -0.104 | 50.350 | 0.000 | 10170.000 | 1392.000 | 1315.000 | 1323.000 | 0.159 |
| 2 | 14:50:52 | 89% | -0.143 | 54.210 | 0.000 | 9905.000 | 1348.000 | 1275.000 | 1281.000 | 0.011 |
| 3 | 14:52:01 | 91% | -0.134 | 48.130 | 0.000 | 9980.000 | 1354.000 | 1303.000 | 1304.000 | 0.149 |
| x | | 89% | -0.127 | 50.900 | 0.000 | 10020.000 | 1365.000 | 1298.000 | 1303.000 | 0.106 |
| σ | | 2% | 0.021 | 3.077 | 0.000 | 139.000 | 23.740 | 20.870 | 20.860 | 0.083 |
| %RSD | | 2 | 16.330 | 6.046 | 0.000 | 1.387 | 1.739 | 1.608 | 1.602 | 77.900 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:49:44 | 1057.000 | 0.497 | 0.000 | 0.000 | 227.600 | 6059.000 | 6453.000 | 89% | -0.705 |
| 2 | 14:50:52 | 1015.000 | 3.685 | 0.000 | 0.000 | 211.800 | 5729.000 | 6148.000 | 92% | -0.685 |
| 3 | 14:52:01 | 1044.000 | 4.983 | 0.000 | 0.000 | 213.200 | 6189.000 | 6342.000 | 91% | -0.775 |
| x | | 1039.000 | 3.055 | 0.000 | 0.000 | 217.500 | 5992.000 | 6314.000 | 91% | -0.722 |
| σ | | 21.590 | 2.309 | 0.000 | 0.000 | 8.759 | 237.000 | 154.300 | 1% | 0.047 |
| %RSD | | 2.078 | 75.570 | 0.000 | 0.000 | 4.027 | 3.956 | 2.444 | 1 | 6.573 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:49:44 | 1.054 | 1.110 | 24.260 | 3.776 | -0.041 | 0.947 | 11.700 | 0.017 | -0.029 |
| 2 | 14:50:52 | 1.252 | 1.123 | 21.940 | 1.505 | -0.070 | 0.184 | 11.820 | -0.000 | -0.059 |
| 3 | 14:52:01 | 1.472 | 1.163 | 21.820 | 0.386 | -0.009 | 0.630 | 15.500 | 0.015 | 0.006 |
| x | | 1.259 | 1.132 | 22.670 | 1.889 | -0.040 | 0.587 | 13.010 | 0.011 | -0.027 |
| σ | | 0.209 | 0.028 | 1.373 | 1.728 | 0.030 | 0.383 | 2.163 | 0.010 | 0.033 |
| %RSD | | 16.610 | 2.463 | 6.057 | 91.470 | 75.400 | 65.220 | 16.630 | 88.620 | 120.000 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:49:44 | 0.903 | 1.182 | 0.029 | -0.421 | -0.230 | 0.260 | 0.379 | -0.230 | -0.508 |
| 2 | 14:50:52 | 0.782 | 0.843 | -0.153 | 0.615 | -0.104 | 0.063 | 0.051 | -0.104 | -0.610 |
| 3 | 14:52:01 | 0.955 | 1.063 | 0.030 | 0.498 | 0.737 | 0.087 | 0.462 | 0.736 | 1.603 |
| x | | 0.880 | 1.029 | -0.031 | 0.231 | 0.134 | 0.137 | 0.297 | 0.134 | 0.162 |
| σ | | 0.089 | 0.172 | 0.105 | 0.568 | 0.526 | 0.107 | 0.217 | 0.525 | 1.249 |
| %RSD | | 10.090 | 16.670 | 338.900 | 246.100 | 391.200 | 78.550 | 73.180 | 391.300 | 773.400 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:49:44 | -0.018 | 0.007 | 0.035 | -0.002 | 0.015 | 0.003 | 89% | -0.112 | -0.016 |
| 2 | 14:50:52 | -0.031 | 0.044 | 0.040 | -0.006 | 0.006 | 0.013 | 93% | -0.366 | -0.017 |
| 3 | 14:52:01 | -0.051 | -0.005 | 0.006 | 0.035 | 0.000 | 0.002 | 92% | 0.382 | -0.023 |
| x | | -0.033 | 0.016 | 0.027 | 0.009 | 0.007 | 0.006 | 91% | -0.032 | -0.019 |
| σ | | 0.017 | 0.026 | 0.018 | 0.023 | 0.007 | 0.006 | 2% | 0.380 | 0.004 |
| %RSD | | 51.140 | 163.200 | 68.510 | 254.900 | 103.600 | 100.700 | 2 | 1194.000 | 20.690 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:49:44 | 0.017 | -0.119 | -0.008 | -0.058 | -0.056 | -0.040 | 1.317 | 1.392 | 93% |
| 2 | 14:50:52 | 0.155 | -0.369 | -0.012 | -0.086 | -0.053 | -0.042 | 1.426 | 1.310 | 94% |
| 3 | 14:52:01 | -0.257 | 0.380 | -0.015 | -0.041 | -0.031 | -0.050 | 1.272 | 1.308 | 93% |
| x | | -0.028 | -0.036 | -0.011 | -0.062 | -0.047 | -0.044 | 1.339 | 1.337 | 93% |
| σ | | 0.210 | 0.381 | 0.004 | 0.023 | 0.014 | 0.006 | 0.079 | 0.048 | 1% |
| %RSD | | 739.100 | 1062.000 | 31.330 | 37.500 | 29.120 | 12.820 | 5.926 | 3.559 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:49:44 | 93% | -0.024 | -0.025 | -0.003 | -0.014 | -0.006 | 94% | 0.273 |
| 2 | 14:50:52 | 96% | -0.027 | -0.024 | -0.008 | -0.011 | -0.012 | 96% | 0.270 |
| 3 | 14:52:01 | 94% | -0.033 | -0.026 | -0.020 | -0.002 | -0.014 | 94% | 0.247 |
| x | | 94% | -0.028 | -0.025 | -0.010 | -0.009 | -0.011 | 95% | 0.263 |
| σ | | 1% | 0.005 | 0.001 | 0.009 | 0.006 | 0.004 | 1% | 0.014 |
| %RSD | | 1 | 16.940 | 4.695 | 84.410 | 69.010 | 37.820 | 1 | 5.374 |

**C1868-05X25 MF3TA5D** 05/01/2011 02:56:35 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:57:43 | 90% | -0.096 | 43.270 | 0.000 | 9770.000 | 1330.000 | 1276.000 | 1296.000 | -0.068 |
| 2 | 14:58:51 | 89% | -0.114 | 46.230 | 0.000 | 9992.000 | 1359.000 | 1291.000 | 1297.000 | -0.211 |
| 3 | 14:59:59 | 93% | -0.126 | 44.700 | 0.000 | 9622.000 | 1302.000 | 1261.000 | 1253.000 | 0.040 |
| x | | 91% | -0.112 | 44.730 | 0.000 | 9795.000 | 1330.000 | 1276.000 | 1282.000 | -0.080 |
| σ | | 2% | 0.015 | 1.482 | 0.000 | 186.200 | 28.350 | 15.150 | 25.090 | 0.126 |
| %RSD | | 2 | 13.400 | 3.313 | 0.000 | 1.901 | 2.131 | 1.187 | 1.957 | 158.000 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:57:43 | 1035.000 | 6.261 | 0.000 | 0.000 | 212.600 | 5760.000 | 6171.000 | 91% | -0.775 |
| 2 | 14:58:51 | 1042.000 | 4.644 | 0.000 | 0.000 | 217.100 | 5847.000 | 6216.000 | 90% | -0.928 |
| 3 | 14:59:59 | 1019.000 | -2.655 | 0.000 | 0.000 | 205.800 | 5650.000 | 6061.000 | 93% | -0.841 |
| x | | 1032.000 | 2.750 | 0.000 | 0.000 | 211.800 | 5753.000 | 6149.000 | 91% | -0.848 |
| σ | | 11.640 | 4.750 | 0.000 | 0.000 | 5.667 | 98.600 | 79.680 | 1% | 0.077 |
| %RSD | | 1.128 | 172.700 | 0.000 | 0.000 | 2.676 | 1.714 | 1.296 | 1 | 9.058 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:57:43 | 1.219 | 1.128 | 19.650 | 5.386 | -0.042 | 0.895 | 19.110 | -0.017 | -0.041 |
| 2 | 14:58:51 | 1.022 | 1.238 | 20.190 | 1.762 | -0.096 | 1.113 | 12.420 | -0.005 | -0.113 |
| 3 | 14:59:59 | 1.805 | 1.089 | 17.670 | 1.038 | -0.071 | -0.011 | 15.300 | -0.016 | -0.045 |
| x | | 1.348 | 1.151 | 19.170 | 2.729 | -0.070 | 0.666 | 15.610 | -0.012 | -0.066 |
| σ | | 0.407 | 0.077 | 1.326 | 2.329 | 0.027 | 0.596 | 3.357 | 0.007 | 0.041 |
| %RSD | | 30.190 | 6.719 | 6.919 | 85.360 | 38.110 | 89.490 | 21.510 | 54.980 | 61.740 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:57:43 | 0.879 | 0.961 | -0.274 | 0.306 | 0.626 | 0.120 | 0.244 | 0.626 | -0.622 |
| 2 | 14:58:51 | 0.853 | 0.794 | -0.162 | 0.413 | 0.663 | 0.066 | 0.073 | 0.662 | -2.528 |
| 3 | 14:59:59 | 0.888 | 0.851 | -0.155 | 0.257 | 0.491 | 0.114 | -0.235 | 0.491 | -4.190 |
| x | | 0.873 | 0.868 | -0.197 | 0.325 | 0.594 | 0.100 | 0.028 | 0.593 | -2.447 |
| σ | | 0.018 | 0.085 | 0.067 | 0.080 | 0.090 | 0.029 | 0.243 | 0.090 | 1.785 |
| %RSD | | 2.077 | 9.777 | 33.780 | 24.530 | 15.230 | 29.380 | 882.500 | 15.220 | 72.970 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:57:43 | -0.002 | -0.003 | 0.007 | -0.011 | -0.004 | 0.006 | 90% | 0.722 | -0.026 |
| 2 | 14:58:51 | -0.040 | -0.004 | -0.007 | -0.012 | -0.005 | 0.002 | 91% | 0.006 | -0.025 |
| 3 | 14:59:59 | -0.026 | -0.010 | -0.012 | 0.002 | 0.021 | 0.009 | 92% | -0.003 | -0.022 |
| x | | -0.023 | -0.006 | -0.004 | -0.007 | 0.004 | 0.006 | 91% | 0.241 | -0.024 |
| σ | | 0.019 | 0.004 | 0.010 | 0.008 | 0.015 | 0.003 | 1% | 0.416 | 0.002 |
| %RSD | | 85.830 | 61.570 | 255.500 | 115.100 | 394.900 | 57.840 | 2 | 172.300 | 10.080 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:57:43 | -0.443 | 0.717 | -0.022 | -0.027 | -0.063 | -0.058 | 1.124 | 1.044 | 92% |
| 2 | 14:58:51 | 0.004 | 0.002 | -0.023 | -0.070 | -0.043 | -0.059 | 0.910 | 1.161 | 93% |
| 3 | 14:59:59 | -0.045 | -0.007 | -0.022 | -0.071 | -0.075 | -0.061 | 0.967 | 1.110 | 94% |
| x | | -0.161 | 0.238 | -0.022 | -0.056 | -0.060 | -0.059 | 1.000 | 1.105 | 93% |
| σ | | 0.245 | 0.416 | 0.001 | 0.025 | 0.016 | 0.001 | 0.111 | 0.059 | 1% |
| %RSD | | 151.900 | 174.800 | 4.406 | 45.080 | 27.140 | 1.991 | 11.100 | 5.307 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 14:57:43 | 93% | -0.038 | -0.036 | -0.011 | -0.026 | -0.021 | 94% | 0.268 |
| 2 | 14:58:51 | 93% | -0.041 | -0.036 | -0.023 | -0.033 | -0.018 | 94% | 0.259 |
| 3 | 14:59:59 | 95% | -0.036 | -0.036 | -0.026 | -0.009 | -0.018 | 96% | 0.257 |
| x | | 93% | -0.039 | -0.036 | -0.020 | -0.023 | -0.019 | 95% | 0.261 |
| σ | | 1% | 0.003 | 0.000 | 0.008 | 0.012 | 0.002 | 1% | 0.006 |
| %RSD | | 1 | 6.624 | 1.239 | 37.960 | 54.210 | 9.605 | 2 | 2.279 |

**zzzzzz** 05/01/2011 03:04:33 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:05:41 | 91% | 0.239 | 13.450 | 0.000 | 1772.000 | 253.400 | 248.000 | 248.500 | 15.090 |
| 2 | 15:06:50 | 91% | 0.305 | 11.590 | 0.000 | 1735.000 | 249.000 | 249.300 | 255.300 | 15.300 |
| 3 | 15:07:58 | 89% | 0.272 | 12.040 | 0.000 | 1846.000 | 263.700 | 261.100 | 259.800 | 15.590 |
| x | | 90% | 0.272 | 12.360 | 0.000 | 1784.000 | 255.400 | 252.800 | 254.500 | 15.320 |
| σ | | 2% | 0.033 | 0.969 | 0.000 | 56.060 | 7.587 | 7.187 | 5.721 | 0.253 |
| %RSD | | 2 | 12.150 | 7.837 | 0.000 | 3.142 | 2.971 | 2.843 | 2.248 | 1.654 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:05:41 | 206.600 | 4.844 | 0.000 | 0.000 | 36.800 | 1143.000 | 1159.000 | 94% | -1.055 |
| 2 | 15:06:50 | 197.900 | -0.042 | 0.000 | 0.000 | 30.080 | 1069.000 | 1146.000 | 96% | -0.762 |
| 3 | 15:07:58 | 216.500 | 4.967 | 0.000 | 0.000 | 44.010 | 1200.000 | 1238.000 | 92% | -0.562 |
| x | | 207.000 | 3.256 | 0.000 | 0.000 | 36.970 | 1137.000 | 1181.000 | 94% | -0.793 |
| σ | | 9.297 | 2.857 | 0.000 | 0.000 | 6.967 | 65.870 | 49.920 | 2% | 0.248 |
| %RSD | | 4.492 | 87.750 | 0.000 | 0.000 | 18.850 | 5.792 | 4.226 | 2 | 31.240 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:05:41 | 3.140 | 1.641 | 11.810 | 8.478 | 3.634 | 7.740 | 4.640 | 3.754 | 3.616 |
| 2 | 15:06:50 | 4.127 | 1.642 | 9.226 | 7.787 | 3.498 | 6.929 | 3.838 | 3.451 | 3.743 |
| 3 | 15:07:58 | 4.167 | 1.782 | 9.694 | 9.193 | 3.678 | 8.944 | 9.387 | 3.710 | 3.933 |
| x | | 3.811 | 1.688 | 10.240 | 8.486 | 3.604 | 7.871 | 5.955 | 3.638 | 3.764 |
| σ | | 0.582 | 0.081 | 1.376 | 0.703 | 0.094 | 1.014 | 2.999 | 0.164 | 0.160 |
| %RSD | | 15.270 | 4.820 | 13.440 | 8.285 | 2.597 | 12.880 | 50.370 | 4.507 | 4.236 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:05:41 | 1.858 | 1.926 | 3.196 | 0.231 | -0.141 | 0.080 | -0.481 | -0.141 | 0.324 |
| 2 | 15:06:50 | 1.815 | 1.901 | 3.230 | -0.077 | -0.792 | 0.129 | -0.066 | -0.791 | 3.039 |
| 3 | 15:07:58 | 1.936 | 1.922 | 3.210 | 0.264 | -0.703 | 0.081 | -0.498 | -0.701 | 3.025 |
| x | | 1.869 | 1.917 | 3.212 | 0.140 | -0.545 | 0.097 | -0.348 | -0.544 | 2.129 |
| σ | | 0.061 | 0.013 | 0.017 | 0.188 | 0.353 | 0.028 | 0.245 | 0.352 | 1.563 |
| %RSD | | 3.277 | 0.693 | 0.545 | 134.700 | 64.700 | 28.600 | 70.320 | 64.710 | 73.420 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:05:41 | -0.068 | -0.040 | -0.047 | -0.046 | -0.025 | 0.002 | 94% | 0.967 | 0.339 |
| 2 | 15:06:50 | -0.053 | -0.041 | -0.056 | -0.046 | -0.031 | 0.006 | 96% | -0.502 | 0.308 |
| 3 | 15:07:58 | -0.062 | -0.030 | -0.043 | -0.029 | -0.033 | 0.006 | 92% | -0.199 | 0.349 |
| x | | -0.061 | -0.037 | -0.049 | -0.040 | -0.030 | 0.005 | 94% | 0.089 | 0.332 |
| σ | | 0.008 | 0.006 | 0.007 | 0.010 | 0.004 | 0.002 | 2% | 0.775 | 0.022 |
| %RSD | | 12.270 | 16.550 | 13.960 | 24.540 | 14.380 | 43.130 | 2 | 874.100 | 6.521 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:05:41 | -0.377 | 0.968 | 0.354 | 0.344 | -0.087 | 0.622 | 13.670 | 14.840 | 95% |
| 2 | 15:06:50 | 0.481 | -0.504 | 0.351 | 0.170 | -0.086 | 0.624 | 13.690 | 13.850 | 96% |
| 3 | 15:07:58 | 0.272 | -0.202 | 0.336 | 0.229 | -0.081 | 0.655 | 14.790 | 15.300 | 93% |
| x | | 0.125 | 0.087 | 0.347 | 0.248 | -0.085 | 0.634 | 14.050 | 14.660 | 95% |
| σ | | 0.447 | 0.777 | 0.009 | 0.089 | 0.003 | 0.019 | 0.637 | 0.738 | 1% |
| %RSD | | 357.500 | 890.800 | 2.710 | 35.790 | 3.403 | 2.923 | 4.532 | 5.034 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:05:41 | 95% | 0.334 | 0.316 | 0.066 | 0.059 | 0.056 | 97% | 0.018 |
| 2 | 15:06:50 | 96% | 0.333 | 0.316 | 0.052 | 0.081 | 0.069 | 98% | 0.024 |
| 3 | 15:07:58 | 94% | 0.294 | 0.315 | 0.078 | 0.086 | 0.081 | 96% | 0.020 |
| x | | 95% | 0.321 | 0.315 | 0.065 | 0.075 | 0.069 | 97% | 0.021 |
| σ | | 1% | 0.023 | 0.000 | 0.013 | 0.014 | 0.013 | 1% | 0.003 |
| %RSD | | 1 | 7.072 | 0.078 | 20.160 | 19.020 | 18.500 | 1 | 15.260 |

**CCV** 05/01/2011 03:12:31 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:13:39 | 81% | 498.300 | 489.600 | 0.000 | 50350.000 | 50750.000 | 50640.000 | 50430.000 | 10070.000 |
| 2 | 15:14:47 | 81% | 494.700 | 495.500 | 0.000 | 50160.000 | 50060.000 | 49260.000 | 49570.000 | 9957.000 |
| 3 | 15:15:56 | 79% | 508.800 | 525.800 | 0.000 | 51900.000 | 51630.000 | 50990.000 | 50820.000 | 10240.000 |
| x | | 80% | 500.600 | 503.600 | 0.000 | 50800.000 | 50810.000 | 50300.000 | 50270.000 | 10090.000 |
| σ | | 1% | 7.359 | 19.410 | 0.000 | 955.100 | 785.400 | 911.900 | 638.800 | 144.700 |
| %RSD | | 2 | 1.470 | 3.853 | 0.000 | 1.880 | 1.546 | 1.813 | 1.271 | 1.434 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:13:39 | 529.000 | 9948.000 | 0.000 | 0.000 | 25570.000 | 50810.000 | 48390.000 | 82% | 488.400 |
| 2 | 15:14:47 | 521.600 | 9914.000 | 0.000 | 0.000 | 25150.000 | 51260.000 | 47830.000 | 82% | 484.200 |
| 3 | 15:15:56 | 536.700 | 10230.000 | 0.000 | 0.000 | 25590.000 | 51730.000 | 49030.000 | 81% | 490.400 |
| x | | 529.100 | 10030.000 | 0.000 | 0.000 | 25440.000 | 51270.000 | 48420.000 | 82% | 487.700 |
| σ | | 7.525 | 173.200 | 0.000 | 0.000 | 247.500 | 461.200 | 604.200 | 1% | 3.182 |
| %RSD | | 1.422 | 1.727 | 0.000 | 0.000 | 0.973 | 0.900 | 1.248 | 1 | 0.652 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:13:39 | 491.600 | 486.500 | 11.000 | 25170.000 | 987.900 | 24730.000 | 24910.000 | 485.200 | 485.200 |
| 2 | 15:14:47 | 480.600 | 483.200 | 19.630 | 24990.000 | 980.100 | 24750.000 | 25140.000 | 483.100 | 482.200 |
| 3 | 15:15:56 | 495.900 | 491.400 | 15.230 | 25400.000 | 999.200 | 25290.000 | 25400.000 | 491.900 | 495.900 |
| x | | 489.400 | 487.000 | 15.290 | 25190.000 | 989.100 | 24920.000 | 25150.000 | 486.700 | 487.800 |
| σ | | 7.934 | 4.148 | 4.318 | 202.000 | 9.559 | 316.500 | 243.500 | 4.547 | 7.153 |
| %RSD | | 1.621 | 0.852 | 28.250 | 0.802 | 0.967 | 1.270 | 0.968 | 0.934 | 1.466 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:13:39 | 970.500 | 972.600 | 961.500 | 486.600 | 488.700 | -1.341 | 483.500 | 487.900 | 2.484 |
| 2 | 15:14:47 | 966.700 | 973.000 | 971.300 | 489.600 | 493.400 | -1.701 | 490.300 | 492.700 | 3.498 |
| 3 | 15:15:56 | 975.400 | 982.300 | 981.100 | 490.100 | 493.100 | -1.192 | 492.500 | 491.900 | 4.317 |
| x | | 970.900 | 976.000 | 971.300 | 488.800 | 491.700 | -1.411 | 488.800 | 490.900 | 3.433 |
| σ | | 4.318 | 5.510 | 9.819 | 1.882 | 2.617 | 0.262 | 4.659 | 2.574 | 0.919 |
| %RSD | | 0.445 | 0.565 | 1.011 | 0.385 | 0.532 | 18.530 | 0.953 | 0.524 | 26.750 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:13:39 | 466.200 | 477.700 | 476.400 | 476.100 | 482.400 | 0.007 | 82% | 470.400 | 492.700 |
| 2 | 15:14:47 | 466.800 | 479.300 | 479.700 | 485.600 | 483.300 | 0.011 | 82% | 482.000 | 486.300 |
| 3 | 15:15:56 | 475.900 | 484.200 | 486.900 | 480.600 | 488.500 | 0.003 | 82% | 484.600 | 495.600 |
| x | | 469.700 | 480.400 | 481.000 | 480.800 | 484.700 | 0.007 | 82% | 479.000 | 491.600 |
| σ | | 5.431 | 3.372 | 5.412 | 4.758 | 3.297 | 0.004 | 0% | 7.576 | 4.747 |
| %RSD | | 1.156 | 0.702 | 1.125 | 0.990 | 0.680 | 57.760 | 0 | 1.582 | 0.966 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:13:39 | 1.154 | 470.500 | 483.300 | 485.100 | 419.400 | 482.200 | 2433.000 | 2423.000 | 88% |
| 2 | 15:14:47 | -0.670 | 482.100 | 491.100 | 488.600 | 422.200 | 486.400 | 2452.000 | 2461.000 | 88% |
| 3 | 15:15:56 | -1.661 | 484.800 | 488.900 | 486.800 | 424.900 | 491.600 | 2470.000 | 2466.000 | 87% |
| x | | -0.393 | 479.100 | 487.700 | 486.800 | 422.100 | 486.700 | 2452.000 | 2450.000 | 88% |
| σ | | 1.428 | 7.614 | 4.025 | 1.757 | 2.720 | 4.692 | 18.280 | 23.800 | 1% |
| %RSD | | 363.700 | 1.589 | 0.825 | 0.361 | 0.644 | 0.964 | 0.746 | 0.971 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:13:39 | 90% | 485.800 | 486.000 | 486.800 | 487.100 | 486.900 | 89% | 499.700 |
| 2 | 15:14:47 | 89% | 494.300 | 490.500 | 497.300 | 498.000 | 494.100 | 88% | 500.400 |
| 3 | 15:15:56 | 88% | 492.700 | 491.600 | 493.200 | 496.400 | 494.200 | 88% | 506.200 |
| x | | 89% | 490.900 | 489.400 | 492.500 | 493.800 | 491.700 | 88% | 502.100 |
| σ | | 1% | 4.518 | 2.995 | 5.292 | 5.861 | 4.210 | 0% | 3.553 |
| %RSD | | 1 | 0.920 | 0.612 | 1.075 | 1.187 | 0.856 | 0 | 0.708 |

**CCB** 05/01/2011 03:20:26 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:21:34 | 85% | 0.191 | 11.330 | 0.000 | 86.670 | 28.570 | 28.210 | 28.790 | 8.957 |
| 2 | 15:22:42 | 84% | 0.113 | 7.077 | 0.000 | 72.460 | 17.710 | 18.450 | 16.150 | 7.460 |
| 3 | 15:23:50 | 84% | -0.041 | 8.258 | 0.000 | 62.380 | 6.982 | 7.505 | 7.454 | 5.380 |
| x | | 84% | 0.088 | 8.887 | 0.000 | 73.840 | 17.760 | 18.060 | 17.470 | 7.266 |
| σ | | 0% | 0.118 | 2.194 | 0.000 | 12.200 | 10.800 | 10.360 | 10.730 | 1.797 |
| %RSD | | 0 | 134.600 | 24.680 | 0.000 | 16.530 | 60.810 | 57.370 | 61.440 | 24.730 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:21:34 | 1.524 | 18.960 | 0.000 | 0.000 | 22.630 | 34.090 | -28.190 | 86% | -0.205 |
| 2 | 15:22:42 | 1.334 | 7.484 | 0.000 | 0.000 | 18.250 | 26.930 | -36.330 | 84% | 0.355 |
| 3 | 15:23:50 | 1.766 | 5.612 | 0.000 | 0.000 | 8.952 | 11.720 | -46.790 | 85% | -0.061 |
| x | | 1.542 | 10.690 | 0.000 | 0.000 | 16.610 | 24.250 | -37.100 | 85% | 0.030 |
| σ | | 0.217 | 7.227 | 0.000 | 0.000 | 6.984 | 11.430 | 9.325 | 1% | 0.291 |
| %RSD | | 14.060 | 67.630 | 0.000 | 0.000 | 42.050 | 47.130 | 25.130 | 1 | 980.100 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:21:34 | 0.511 | 0.212 | 8.330 | 13.490 | 0.523 | 8.744 | 14.350 | 0.251 | 0.136 |
| 2 | 15:22:42 | 0.296 | 0.186 | 8.196 | 11.880 | 0.297 | 6.655 | 7.339 | 0.158 | 0.095 |
| 3 | 15:23:50 | 0.103 | 0.082 | 7.630 | 5.181 | 0.162 | 1.394 | -1.475 | 0.047 | 0.022 |
| x | | 0.303 | 0.160 | 8.052 | 10.180 | 0.327 | 5.598 | 6.737 | 0.152 | 0.085 |
| σ | | 0.204 | 0.069 | 0.371 | 4.405 | 0.182 | 3.787 | 7.927 | 0.103 | 0.058 |
| %RSD | | 67.320 | 42.950 | 4.610 | 43.270 | 55.780 | 67.660 | 117.700 | 67.450 | 68.390 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:21:34 | 0.398 | 0.481 | 0.598 | 0.366 | 0.436 | 0.035 | -0.173 | 0.435 | -0.957 |
| 2 | 15:22:42 | 0.319 | 0.288 | 0.102 | 0.174 | 0.105 | 0.052 | 0.033 | 0.105 | 1.685 |
| 3 | 15:23:50 | 0.093 | 0.105 | -0.045 | 0.037 | -0.110 | 0.045 | -0.301 | -0.109 | -0.426 |
| x | | 0.270 | 0.291 | 0.218 | 0.192 | 0.144 | 0.044 | -0.147 | 0.143 | 0.101 |
| σ | | 0.158 | 0.188 | 0.337 | 0.165 | 0.275 | 0.009 | 0.168 | 0.274 | 1.397 |
| %RSD | | 58.530 | 64.420 | 154.500 | 85.800 | 191.200 | 19.680 | 114.300 | 191.200 | 1388.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:21:34 | 0.577 | 0.905 | 0.815 | 0.969 | 0.935 | 0.006 | 89% | 1.077 | 0.383 |
| 2 | 15:22:42 | 0.311 | 0.610 | 0.597 | 0.752 | 0.643 | 0.003 | 85% | 0.630 | 0.162 |
| 3 | 15:23:50 | 0.255 | 0.340 | 0.317 | 0.396 | 0.335 | 0.003 | 87% | -0.475 | 0.082 |
| x | | 0.381 | 0.618 | 0.576 | 0.706 | 0.638 | 0.004 | 87% | 0.411 | 0.209 |
| σ | | 0.172 | 0.283 | 0.250 | 0.290 | 0.300 | 0.002 | 2% | 0.799 | 0.156 |
| %RSD | | 45.270 | 45.730 | 43.290 | 41.050 | 47.110 | 53.060 | 2 | 194.600 | 74.740 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:21:34 | -0.314 | 1.075 | 0.410 | 0.287 | 0.405 | 0.673 | 1.389 | 1.195 | 91% |
| 2 | 15:22:42 | -0.335 | 0.623 | 0.207 | 0.197 | 0.294 | 0.451 | 1.043 | 0.808 | 89% |
| 3 | 15:23:50 | 0.217 | -0.482 | 0.094 | -0.039 | 0.212 | 0.317 | 0.373 | 0.272 | 90% |
| x | | -0.144 | 0.405 | 0.237 | 0.149 | 0.304 | 0.480 | 0.935 | 0.758 | 90% |
| σ | | 0.313 | 0.801 | 0.160 | 0.168 | 0.097 | 0.180 | 0.516 | 0.464 | 1% |
| %RSD | | 217.500 | 197.700 | 67.690 | 113.300 | 31.890 | 37.490 | 55.210 | 61.140 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:21:34 | 91% | 0.443 | 0.439 | 0.271 | 0.290 | 0.265 | 94% | 0.256 |
| 2 | 15:22:42 | 90% | 0.227 | 0.186 | 0.124 | 0.130 | 0.124 | 92% | 0.164 |
| 3 | 15:23:50 | 90% | 0.060 | 0.070 | 0.016 | 0.025 | 0.028 | 92% | 0.068 |
| x | | 90% | 0.243 | 0.232 | 0.137 | 0.148 | 0.139 | 93% | 0.163 |
| σ | | 1% | 0.192 | 0.189 | 0.128 | 0.134 | 0.119 | 1% | 0.094 |
| %RSD | | 1 | 79.040 | 81.320 | 93.560 | 90.130 | 85.820 | 1 | 57.990 |

**C1868-07 MF3TA6** 05/01/2011 03:28:22 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:29:30 | 83% | 0.157 | 960.900 | 0.000 | 224300.000 | 30280.000 | 30150.000 | 29420.000 | 4.195 |
| 2 | 15:30:38 | 83% | -0.007 | 950.200 | 0.000 | 227100.000 | 30850.000 | 30890.000 | 30410.000 | 3.262 |
| 3 | 15:31:46 | 83% | 0.002 | 972.100 | 0.000 | 223600.000 | 30380.000 | 30010.000 | 29710.000 | 1.880 |
| x | | 83% | 0.051 | 961.100 | 0.000 | 225000.000 | 30500.000 | 30350.000 | 29850.000 | 3.112 |
| σ | | 0% | 0.092 | 10.930 | 0.000 | 1885.000 | 307.900 | 472.800 | 510.000 | 1.165 |
| %RSD | | 0 | 182.400 | 1.137 | 0.000 | 0.838 | 1.009 | 1.558 | 1.709 | 37.430 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:29:30 | 25160.000 | 28.730 | 0.000 | 0.000 | 5111.000 | 130900.000 | 145000.000 | 83% | 0.779 |
| 2 | 15:30:38 | 25820.000 | 25.530 | 0.000 | 0.000 | 5196.000 | 135000.000 | 148300.000 | 83% | 0.810 |
| 3 | 15:31:46 | 25480.000 | 16.060 | 0.000 | 0.000 | 5056.000 | 130200.000 | 144500.000 | 85% | 1.147 |
| x | | 25490.000 | 23.440 | 0.000 | 0.000 | 5121.000 | 132100.000 | 145900.000 | 84% | 0.912 |
| σ | | 330.500 | 6.588 | 0.000 | 0.000 | 70.620 | 2602.000 | 2096.000 | 1% | 0.204 |
| %RSD | | 1.297 | 28.110 | 0.000 | 0.000 | 1.379 | 1.970 | 1.437 | 1 | 22.380 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:29:30 | 40.790 | 27.750 | 173.000 | 15.560 | 0.657 | 17.970 | 424.100 | 0.585 | 1.661 |
| 2 | 15:30:38 | 42.150 | 29.050 | 184.200 | 13.300 | 0.417 | 15.670 | 414.400 | 0.563 | 1.829 |
| 3 | 15:31:46 | 39.320 | 28.280 | 189.700 | 4.330 | 0.424 | 11.480 | 397.900 | 0.405 | 1.654 |
| x | | 40.750 | 28.360 | 182.300 | 11.060 | 0.500 | 15.040 | 412.100 | 0.518 | 1.715 |
| σ | | 1.414 | 0.654 | 8.499 | 5.942 | 0.137 | 3.293 | 13.260 | 0.098 | 0.099 |
| %RSD | | 3.471 | 2.304 | 4.662 | 53.700 | 27.390 | 21.900 | 3.218 | 18.920 | 5.767 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:29:30 | 10.830 | 11.390 | 16.600 | 8.090 | 11.120 | 0.924 | 8.863 | 11.150 | -0.363 |
| 2 | 15:30:38 | 11.270 | 11.500 | 18.100 | 8.654 | 11.030 | 0.970 | 8.724 | 11.060 | 3.377 |
| 3 | 15:31:46 | 10.990 | 11.120 | 17.300 | 8.721 | 11.510 | 0.931 | 8.818 | 11.550 | 2.250 |
| x | | 11.030 | 11.330 | 17.340 | 8.489 | 11.220 | 0.942 | 8.802 | 11.250 | 1.755 |
| σ | | 0.226 | 0.195 | 0.752 | 0.347 | 0.257 | 0.025 | 0.071 | 0.265 | 1.918 |
| %RSD | | 2.044 | 1.718 | 4.336 | 4.082 | 2.294 | 2.642 | 0.807 | 2.357 | 109.300 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:29:30 | 3.400 | 1.696 | 1.873 | 1.750 | 1.625 | 0.003 | 80% | 0.457 | 0.155 |
| 2 | 15:30:38 | 2.162 | 1.634 | 1.568 | 1.814 | 1.653 | -0.001 | 80% | 0.539 | 0.081 |
| 3 | 15:31:46 | 1.603 | 1.585 | 1.490 | 1.724 | 1.632 | 0.007 | 80% | -0.829 | 0.049 |
| x | | 2.388 | 1.639 | 1.644 | 1.763 | 1.636 | 0.003 | 80% | 0.056 | 0.095 |
| σ | | 0.920 | 0.056 | 0.203 | 0.046 | 0.015 | 0.004 | 0% | 0.767 | 0.054 |
| %RSD | | 38.530 | 3.400 | 12.340 | 2.632 | 0.904 | 136.700 | 0 | 1372.000 | 56.960 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:29:30 | 0.069 | 0.441 | 0.172 | 0.181 | 0.352 | 0.347 | 33.940 | 33.630 | 87% |
| 2 | 15:30:38 | -0.216 | 0.523 | 0.094 | 0.095 | 0.345 | 0.245 | 33.640 | 34.090 | 87% |
| 3 | 15:31:46 | 0.537 | -0.846 | 0.036 | 0.003 | 0.235 | 0.167 | 33.080 | 32.790 | 89% |
| x | | 0.130 | 0.039 | 0.101 | 0.093 | 0.311 | 0.253 | 33.550 | 33.510 | 88% |
| σ | | 0.380 | 0.768 | 0.068 | 0.089 | 0.066 | 0.090 | 0.436 | 0.660 | 1% |
| %RSD | | 293.000 | 1948.000 | 67.760 | 95.820 | 21.130 | 35.600 | 1.298 | 1.969 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:29:30 | 89% | 0.247 | 0.248 | 1.346 | 1.182 | 1.249 | 87% | 7.186 |
| 2 | 15:30:38 | 88% | 0.096 | 0.127 | 1.214 | 1.070 | 1.153 | 86% | 7.313 |
| 3 | 15:31:46 | 89% | 0.030 | 0.043 | 1.162 | 1.001 | 1.054 | 87% | 7.131 |
| x | | 89% | 0.124 | 0.139 | 1.240 | 1.084 | 1.152 | 87% | 7.210 |
| σ | | 0% | 0.111 | 0.103 | 0.095 | 0.091 | 0.098 | 0% | 0.093 |
| %RSD | | 0 | 89.860 | 73.910 | 7.638 | 8.409 | 8.479 | 0 | 1.296 |

**C1868-08 MF3TC4** 05/01/2011 03:36:19 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:37:27 | 102% | -0.053 | 535.800 | 0.000 | 115200.000 | 65880.000 | 65690.000 | 65620.000 | 2.081 |
| 2 | 15:38:35 | 103% | -0.046 | 524.000 | 0.000 | 112500.000 | 64570.000 | 63640.000 | 63610.000 | 2.005 |
| 3 | 15:39:43 | 104% | -0.096 | 528.000 | 0.000 | 113300.000 | 65100.000 | 64470.000 | 64260.000 | 2.429 |
| x | | 103% | -0.065 | 529.300 | 0.000 | 113700.000 | 65180.000 | 64600.000 | 64500.000 | 2.172 |
| σ | | 1% | 0.027 | 6.003 | 0.000 | 1394.000 | 661.500 | 1033.000 | 1029.000 | 0.226 |
| %RSD | | 1 | 42.190 | 1.134 | 0.000 | 1.226 | 1.015 | 1.599 | 1.595 | 10.400 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:37:27 | 21560.000 | -3.255 | 0.000 | 0.000 | 10000.000 | 194400.000 | 202600.000 | 96% | 0.688 |
| 2 | 15:38:35 | 21060.000 | -7.152 | 0.000 | 0.000 | 9740.000 | 190200.000 | 195600.000 | 98% | 0.561 |
| 3 | 15:39:43 | 21050.000 | -6.598 | 0.000 | 0.000 | 9789.000 | 189000.000 | 197800.000 | 97% | 0.634 |
| x | | 21220.000 | -5.668 | 0.000 | 0.000 | 9843.000 | 191200.000 | 198700.000 | 97% | 0.627 |
| σ | | 291.500 | 2.108 | 0.000 | 0.000 | 138.400 | 2823.000 | 3613.000 | 1% | 0.064 |
| %RSD | | 1.374 | 37.190 | 0.000 | 0.000 | 1.406 | 1.477 | 1.818 | 1 | 10.170 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:37:27 | 65.310 | 0.713 | 180.700 | -1.810 | 0.099 | 4.769 | 539.100 | 0.127 | 2.461 |
| 2 | 15:38:35 | 64.100 | 0.577 | 184.800 | -6.955 | 0.103 | 3.288 | 564.300 | 0.242 | 2.698 |
| 3 | 15:39:43 | 64.120 | 0.675 | 190.500 | -4.045 | 0.073 | 3.125 | 539.100 | 0.154 | 2.688 |
| x | | 64.510 | 0.655 | 185.400 | -4.270 | 0.092 | 3.727 | 547.500 | 0.174 | 2.615 |
| σ | | 0.691 | 0.070 | 4.932 | 2.580 | 0.016 | 0.906 | 14.530 | 0.060 | 0.134 |
| %RSD | | 1.071 | 10.720 | 2.661 | 60.420 | 17.980 | 24.310 | 2.653 | 34.510 | 5.135 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:37:27 | 2.082 | 2.181 | 44.700 | 12.300 | 11.640 | 1.144 | 7.061 | 11.790 | 4.200 |
| 2 | 15:38:35 | 1.744 | 2.068 | 42.560 | 10.970 | 11.370 | 1.240 | 6.695 | 11.520 | 0.055 |
| 3 | 15:39:43 | 1.841 | 1.932 | 41.920 | 11.720 | 9.900 | 1.146 | 7.155 | 10.030 | 0.747 |
| x | | 1.889 | 2.061 | 43.060 | 11.670 | 10.970 | 1.177 | 6.970 | 11.110 | 1.668 |
| σ | | 0.174 | 0.125 | 1.457 | 0.666 | 0.936 | 0.055 | 0.243 | 0.951 | 2.221 |
| %RSD | | 9.224 | 6.046 | 3.384 | 5.711 | 8.529 | 4.670 | 3.483 | 8.558 | 133.200 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:37:27 | 4.283 | 1.508 | 1.418 | 1.591 | 1.601 | 0.007 | 81% | -1.101 | 0.033 |
| 2 | 15:38:35 | 4.210 | 1.391 | 1.427 | 1.709 | 1.405 | 0.007 | 83% | -0.496 | 0.019 |
| 3 | 15:39:43 | 6.869 | 1.419 | 1.308 | 1.611 | 1.423 | -0.001 | 82% | -1.175 | 0.010 |
| x | | 5.121 | 1.439 | 1.384 | 1.637 | 1.477 | 0.004 | 82% | -0.924 | 0.021 |
| σ | | 1.515 | 0.061 | 0.066 | 0.063 | 0.109 | 0.005 | 1% | 0.373 | 0.012 |
| %RSD | | 29.580 | 4.254 | 4.792 | 3.861 | 7.349 | 109.300 | 1 | 40.330 | 55.090 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:37:27 | 0.685 | -1.117 | 0.028 | -0.058 | -0.009 | 0.121 | 45.890 | 46.410 | 89% |
| 2 | 15:38:35 | 0.291 | -0.511 | 0.023 | -0.059 | -0.014 | 0.066 | 44.920 | 44.410 | 90% |
| 3 | 15:39:43 | 0.665 | -1.189 | 0.022 | -0.107 | 0.003 | 0.087 | 42.970 | 44.430 | 89% |
| x | | 0.547 | -0.939 | 0.024 | -0.075 | -0.007 | 0.091 | 44.590 | 45.080 | 89% |
| σ | | 0.222 | 0.373 | 0.003 | 0.028 | 0.008 | 0.028 | 1.487 | 1.152 | 1% |
| %RSD | | 40.590 | 39.700 | 14.010 | 37.650 | 127.700 | 30.640 | 3.334 | 2.556 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:37:27 | 89% | 0.012 | 0.019 | 0.658 | 0.642 | 0.645 | 87% | 19.690 |
| 2 | 15:38:35 | 91% | -0.024 | -0.006 | 0.594 | 0.596 | 0.597 | 88% | 18.890 |
| 3 | 15:39:43 | 90% | -0.028 | -0.011 | 0.633 | 0.619 | 0.611 | 87% | 18.680 |
| x | | 90% | -0.013 | 0.001 | 0.628 | 0.619 | 0.618 | 87% | 19.090 |
| σ | | 1% | 0.022 | 0.016 | 0.032 | 0.023 | 0.024 | 1% | 0.534 |
| %RSD | | 1 | 166.300 | 2187.000 | 5.136 | 3.709 | 3.940 | 1 | 2.796 |

**C1868-09 MF3TD2** 05/01/2011 03:44:15 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:45:24 | 86% | -0.064 | 1123.000 | 0.000 | 287300.000 | 72340.000 | 71490.000 | 71650.000 | 8.052 |
| 2 | 15:46:32 | 87% | -0.114 | 1079.000 | 0.000 | 273700.000 | 69520.000 | 68300.000 | 67730.000 | 6.445 |
| 3 | 15:47:40 | 87% | -0.133 | 1093.000 | 0.000 | 279700.000 | 69870.000 | 68350.000 | 68280.000 | 6.689 |
| x | | 87% | -0.104 | 1098.000 | 0.000 | 280300.000 | 70580.000 | 69380.000 | 69220.000 | 7.062 |
| σ | | 1% | 0.036 | 22.600 | 0.000 | 6814.000 | 1534.000 | 1828.000 | 2122.000 | 0.866 |
| %RSD | | 1 | 34.700 | 2.059 | 0.000 | 2.431 | 2.173 | 2.635 | 3.065 | 12.260 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:45:24 | 31160.000 | -1.108 | 0.000 | 0.000 | 3195.000 | 187900.000 | 210600.000 | 92% | 1.956 |
| 2 | 15:46:32 | 29440.000 | -4.490 | 0.000 | 0.000 | 3075.000 | 181000.000 | 201600.000 | 94% | 0.998 |
| 3 | 15:47:40 | 30540.000 | -5.643 | 0.000 | 0.000 | 3075.000 | 180700.000 | 200400.000 | 94% | 1.648 |
| x | | 30380.000 | -3.747 | 0.000 | 0.000 | 3115.000 | 183200.000 | 204200.000 | 94% | 1.534 |
| σ | | 870.300 | 2.357 | 0.000 | 0.000 | 69.280 | 4060.000 | 5581.000 | 1% | 0.489 |
| %RSD | | 2.865 | 62.910 | 0.000 | 0.000 | 2.224 | 2.216 | 2.732 | 1 | 31.870 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:45:24 | 49.540 | 1.983 | 184.900 | 14.880 | 0.661 | 23.040 | 622.500 | 1.209 | 4.159 |
| 2 | 15:46:32 | 45.270 | 1.853 | 192.400 | 13.460 | 0.599 | 20.710 | 593.700 | 1.131 | 4.183 |
| 3 | 15:47:40 | 46.470 | 1.961 | 192.300 | 11.950 | 0.664 | 20.430 | 594.200 | 1.048 | 3.961 |
| x | | 47.090 | 1.933 | 189.800 | 13.430 | 0.642 | 21.390 | 603.500 | 1.129 | 4.101 |
| σ | | 2.205 | 0.070 | 4.318 | 1.465 | 0.036 | 1.431 | 16.450 | 0.081 | 0.122 |
| %RSD | | 4.682 | 3.597 | 2.275 | 10.910 | 5.688 | 6.690 | 2.726 | 7.133 | 2.978 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:45:24 | 23.160 | 23.400 | 9.502 | 12.610 | 23.970 | 1.152 | 15.840 | 24.370 | 2.227 |
| 2 | 15:46:32 | 21.780 | 22.180 | 8.267 | 12.960 | 23.150 | 1.015 | 15.010 | 23.530 | 4.957 |
| 3 | 15:47:40 | 21.740 | 22.590 | 7.997 | 10.790 | 19.100 | 1.360 | 15.000 | 19.420 | 2.232 |
| x | | 22.230 | 22.720 | 8.589 | 12.120 | 22.080 | 1.176 | 15.280 | 22.440 | 3.139 |
| σ | | 0.813 | 0.617 | 0.803 | 1.167 | 2.607 | 0.174 | 0.480 | 2.650 | 1.575 |
| %RSD | | 3.658 | 2.713 | 9.347 | 9.624 | 11.810 | 14.800 | 3.142 | 11.810 | 50.170 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:45:24 | 10.340 | 2.060 | 1.710 | 1.976 | 1.887 | 0.003 | 74% | 0.257 | 0.017 |
| 2 | 15:46:32 | 8.809 | 1.864 | 1.659 | 2.002 | 1.762 | 0.007 | 76% | -0.870 | 0.002 |
| 3 | 15:47:40 | 6.790 | 1.510 | 1.874 | 1.749 | 1.504 | -0.001 | 76% | -0.788 | -0.006 |
| x | | 8.645 | 1.811 | 1.748 | 1.909 | 1.718 | 0.003 | 76% | -0.467 | 0.004 |
| σ | | 1.778 | 0.279 | 0.113 | 0.139 | 0.195 | 0.004 | 1% | 0.628 | 0.012 |
| %RSD | | 20.570 | 15.400 | 6.435 | 7.300 | 11.380 | 133.600 | 1 | 134.400 | 279.900 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:45:24 | 0.012 | 0.242 | 0.012 | -0.062 | 0.089 | 0.053 | 22.480 | 22.100 | 81% |
| 2 | 15:46:32 | 0.628 | -0.886 | 0.015 | -0.100 | -0.008 | 0.075 | 20.410 | 20.560 | 84% |
| 3 | 15:47:40 | 0.457 | -0.804 | -0.001 | -0.081 | -0.018 | 0.039 | 20.310 | 20.140 | 84% |
| x | | 0.366 | -0.483 | 0.009 | -0.081 | 0.021 | 0.056 | 21.060 | 20.930 | 83% |
| σ | | 0.318 | 0.629 | 0.008 | 0.019 | 0.059 | 0.018 | 1.225 | 1.034 | 2% |
| %RSD | | 87.010 | 130.200 | 94.610 | 23.310 | 282.800 | 32.530 | 5.814 | 4.941 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:45:24 | 82% | -0.023 | -0.021 | 0.431 | 0.430 | 0.427 | 77% | 11.390 |
| 2 | 15:46:32 | 84% | -0.030 | -0.016 | 0.429 | 0.352 | 0.401 | 80% | 10.740 |
| 3 | 15:47:40 | 84% | -0.038 | -0.020 | 0.394 | 0.390 | 0.411 | 80% | 10.800 |
| x | | 83% | -0.030 | -0.019 | 0.418 | 0.390 | 0.413 | 79% | 10.980 |
| σ | | 1% | 0.008 | 0.003 | 0.021 | 0.039 | 0.013 | 1% | 0.358 |
| %RSD | | 2 | 26.220 | 13.950 | 4.919 | 10.030 | 3.228 | 2 | 3.260 |

**C1868-10 MF3TD1** 05/01/2011 03:52:12 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:53:20 | 97% | -0.127 | 1475.000 | 0.000 | 426800.000 | 97720.000 | 97100.000 | 96570.000 | 4.183 |
| 2 | 15:54:28 | 97% | -0.127 | 1525.000 | 0.000 | 437800.000 | 100500.000 | 99710.000 | 99300.000 | 4.916 |
| 3 | 15:55:36 | 102% | -0.087 | 1522.000 | 0.000 | 424100.000 | 96860.000 | 96240.000 | 95560.000 | 3.386 |
| x | | 99% | -0.114 | 1508.000 | 0.000 | 429600.000 | 98370.000 | 97680.000 | 97140.000 | 4.162 |
| σ | | 3% | 0.023 | 27.960 | 0.000 | 7259.000 | 1921.000 | 1810.000 | 1935.000 | 0.765 |
| %RSD | | 3 | 20.500 | 1.855 | 0.000 | 1.690 | 1.953 | 1.853 | 1.991 | 18.390 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:53:20 | 23080.000 | -9.018 | 0.000 | 0.000 | 8362.000 | 377800.000 | 400600.000 | 95% | 0.905 |
| 2 | 15:54:28 | 23710.000 | -8.429 | 0.000 | 0.000 | 8617.000 | 391600.000 | 408600.000 | 94% | 1.350 |
| 3 | 15:55:36 | 23010.000 | -5.679 | 0.000 | 0.000 | 8179.000 | 372800.000 | 389500.000 | 100% | 0.869 |
| x | | 23270.000 | -7.709 | 0.000 | 0.000 | 8386.000 | 380700.000 | 399500.000 | 97% | 1.041 |
| σ | | 384.100 | 1.782 | 0.000 | 0.000 | 219.700 | 9759.000 | 9581.000 | 3% | 0.268 |
| %RSD | | 1.651 | 23.120 | 0.000 | 0.000 | 2.620 | 2.563 | 2.398 | 3 | 25.760 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:53:20 | 29.990 | 6.443 | 166.500 | -0.894 | 0.306 | 13.000 | 1295.000 | -0.077 | 4.131 |
| 2 | 15:54:28 | 32.450 | 6.431 | 175.500 | -0.428 | 0.308 | 14.980 | 1385.000 | -0.102 | 3.972 |
| 3 | 15:55:36 | 31.390 | 6.338 | 167.000 | -2.503 | 0.253 | 12.430 | 1324.000 | -0.003 | 4.050 |
| x | | 31.280 | 6.404 | 169.700 | -1.275 | 0.289 | 13.470 | 1335.000 | -0.061 | 4.051 |
| σ | | 1.234 | 0.058 | 5.069 | 1.089 | 0.031 | 1.339 | 45.580 | 0.051 | 0.079 |
| %RSD | | 3.946 | 0.900 | 2.987 | 85.400 | 10.880 | 9.943 | 3.416 | 85.070 | 1.956 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:53:20 | 9.057 | 9.578 | 7.078 | 8.643 | 32.570 | 1.133 | 24.460 | 33.130 | 1.778 |
| 2 | 15:54:28 | 9.437 | 9.570 | 7.356 | 9.190 | 35.390 | 1.057 | 23.710 | 35.980 | 0.890 |
| 3 | 15:55:36 | 9.000 | 9.310 | 6.942 | 7.156 | 32.430 | 1.351 | 23.980 | 33.030 | 1.621 |
| x | | 9.165 | 9.486 | 7.125 | 8.330 | 33.470 | 1.180 | 24.050 | 34.050 | 1.430 |
| σ | | 0.238 | 0.153 | 0.211 | 1.053 | 1.670 | 0.152 | 0.380 | 1.676 | 0.474 |
| %RSD | | 2.595 | 1.608 | 2.961 | 12.640 | 4.990 | 12.910 | 1.578 | 4.922 | 33.140 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:53:20 | 5.476 | 1.311 | 0.928 | 1.392 | 1.087 | -0.001 | 77% | 0.669 | 0.009 |
| 2 | 15:54:28 | 5.004 | 1.293 | 1.101 | 1.245 | 1.250 | 0.007 | 76% | 0.044 | 0.008 |
| 3 | 15:55:36 | 3.217 | 1.358 | 0.966 | 1.246 | 0.996 | 0.011 | 79% | -0.304 | 0.001 |
| x | | 4.566 | 1.321 | 0.998 | 1.294 | 1.111 | 0.006 | 77% | 0.137 | 0.006 |
| σ | | 1.191 | 0.033 | 0.091 | 0.084 | 0.129 | 0.006 | 2% | 0.493 | 0.005 |
| %RSD | | 26.090 | 2.534 | 9.112 | 6.521 | 11.580 | 108.000 | 2 | 361.200 | 78.800 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:53:20 | -0.221 | 0.654 | 0.011 | -0.045 | 0.033 | 0.019 | 24.240 | 24.020 | 84% |
| 2 | 15:54:28 | -0.063 | 0.027 | 0.001 | -0.032 | 0.048 | 0.047 | 24.130 | 24.090 | 84% |
| 3 | 15:55:36 | 0.370 | -0.320 | -0.002 | -0.103 | 0.058 | 0.006 | 23.730 | 23.880 | 87% |
| x | | 0.028 | 0.120 | 0.004 | -0.060 | 0.046 | 0.024 | 24.030 | 24.000 | 85% |
| σ | | 0.306 | 0.493 | 0.007 | 0.038 | 0.013 | 0.021 | 0.271 | 0.105 | 2% |
| %RSD | | 1076.000 | 410.700 | 185.100 | 63.680 | 27.530 | 86.400 | 1.129 | 0.437 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 15:53:20 | 85% | -0.036 | -0.028 | 0.746 | 0.692 | 0.701 | 79% | 14.980 |
| 2 | 15:54:28 | 85% | -0.028 | -0.030 | 0.755 | 0.637 | 0.712 | 80% | 15.460 |
| 3 | 15:55:36 | 88% | -0.041 | -0.031 | 0.698 | 0.698 | 0.679 | 82% | 14.820 |
| x | | 86% | -0.035 | -0.030 | 0.733 | 0.675 | 0.697 | 80% | 15.090 |
| σ | | 1% | 0.007 | 0.001 | 0.031 | 0.034 | 0.017 | 1% | 0.333 |
| %RSD | | 2 | 19.030 | 5.013 | 4.203 | 5.000 | 2.408 | 2 | 2.208 |

**C1868-11 MF3TD8** 05/01/2011 04:00:08 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:01:16 | 93% | -0.107 | 1101.000 | 0.000 | 240700.000 | 41160.000 | 40760.000 | 40620.000 | 1.082 |
| 2 | 16:02:24 | 93% | -0.116 | 1137.000 | 0.000 | 243300.000 | 41820.000 | 41160.000 | 41560.000 | 0.999 |
| 3 | 16:03:32 | 93% | -0.116 | 1110.000 | 0.000 | 238000.000 | 40610.000 | 40280.000 | 40040.000 | 1.071 |
| x | | 93% | -0.113 | 1116.000 | 0.000 | 240700.000 | 41200.000 | 40730.000 | 40740.000 | 1.051 |
| σ | | 0% | 0.005 | 18.420 | 0.000 | 2680.000 | 606.700 | 442.300 | 767.400 | 0.045 |
| %RSD | | 0 | 4.712 | 1.650 | 0.000 | 1.114 | 1.473 | 1.086 | 1.884 | 4.257 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:01:16 | 20550.000 | -4.793 | 0.000 | 0.000 | 6179.000 | 140600.000 | 156300.000 | 89% | 1.092 |
| 2 | 16:02:24 | 20980.000 | -3.682 | 0.000 | 0.000 | 6231.000 | 140400.000 | 155800.000 | 89% | 1.222 |
| 3 | 16:03:32 | 20260.000 | -5.846 | 0.000 | 0.000 | 5976.000 | 136200.000 | 150900.000 | 91% | 0.751 |
| x | | 20600.000 | -4.774 | 0.000 | 0.000 | 6129.000 | 139000.000 | 154300.000 | 90% | 1.022 |
| σ | | 366.900 | 1.082 | 0.000 | 0.000 | 134.900 | 2477.000 | 2994.000 | 1% | 0.243 |
| %RSD | | 1.782 | 22.670 | 0.000 | 0.000 | 2.201 | 1.781 | 1.940 | 1 | 23.800 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:01:16 | 43.730 | 2.169 | 184.400 | 3.538 | 0.077 | 7.391 | 511.900 | 0.036 | 1.870 |
| 2 | 16:02:24 | 48.070 | 2.130 | 189.500 | 4.116 | 0.074 | 7.407 | 526.500 | -0.000 | 2.044 |
| 3 | 16:03:32 | 46.800 | 2.158 | 190.500 | 0.417 | 0.114 | 6.121 | 501.900 | 0.016 | 1.609 |
| x | | 46.200 | 2.152 | 188.100 | 2.690 | 0.088 | 6.973 | 513.400 | 0.017 | 1.841 |
| σ | | 2.233 | 0.020 | 3.283 | 1.990 | 0.022 | 0.738 | 12.380 | 0.018 | 0.219 |
| %RSD | | 4.833 | 0.933 | 1.745 | 73.970 | 25.310 | 10.580 | 2.411 | 106.500 | 11.900 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:01:16 | 9.291 | 9.189 | 7.222 | 10.920 | 17.130 | 0.778 | 12.880 | 17.210 | -1.285 |
| 2 | 16:02:24 | 8.925 | 9.434 | 6.417 | 9.981 | 18.100 | 0.928 | 13.490 | 18.170 | 0.601 |
| 3 | 16:03:32 | 8.713 | 8.357 | 7.072 | 8.618 | 17.750 | 1.133 | 12.470 | 17.820 | -2.086 |
| x | | 8.976 | 8.993 | 6.904 | 9.841 | 17.660 | 0.946 | 12.950 | 17.730 | -0.924 |
| σ | | 0.292 | 0.565 | 0.428 | 1.160 | 0.491 | 0.178 | 0.509 | 0.487 | 1.380 |
| %RSD | | 3.258 | 6.279 | 6.206 | 11.790 | 2.783 | 18.790 | 3.932 | 2.748 | 149.400 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:01:16 | 2.648 | 4.612 | 4.502 | 4.850 | 4.548 | -0.001 | 83% | 1.060 | -0.008 |
| 2 | 16:02:24 | 2.644 | 4.913 | 4.519 | 4.925 | 4.889 | 0.003 | 84% | -0.795 | 0.004 |
| 3 | 16:03:32 | 6.517 | 4.821 | 4.338 | 4.489 | 4.753 | 0.003 | 85% | 1.705 | -0.007 |
| x | | 3.936 | 4.782 | 4.453 | 4.755 | 4.730 | 0.001 | 84% | 0.657 | -0.003 |
| σ | | 2.235 | 0.154 | 0.100 | 0.233 | 0.172 | 0.002 | 1% | 1.298 | 0.007 |
| %RSD | | 56.780 | 3.225 | 2.242 | 4.908 | 3.630 | 151.000 | 1 | 197.700 | 194.600 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:01:16 | -0.452 | 1.047 | -0.003 | 0.002 | 0.019 | -0.017 | 56.020 | 55.090 | 90% |
| 2 | 16:02:24 | 0.454 | -0.808 | 0.004 | -0.113 | 0.025 | -0.016 | 55.620 | 57.160 | 90% |
| 3 | 16:03:32 | -0.867 | 1.691 | -0.005 | 0.026 | 0.034 | -0.011 | 54.000 | 53.840 | 92% |
| x | | -0.288 | 0.643 | -0.001 | -0.028 | 0.026 | -0.015 | 55.220 | 55.360 | 91% |
| σ | | 0.675 | 1.298 | 0.005 | 0.074 | 0.007 | 0.003 | 1.068 | 1.674 | 1% |
| %RSD | | 234.200 | 201.700 | 402.600 | 262.700 | 28.870 | 21.500 | 1.933 | 3.023 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:01:16 | 90% | -0.047 | -0.037 | 0.474 | 0.459 | 0.472 | 87% | 10.760 |
| 2 | 16:02:24 | 91% | -0.053 | -0.046 | 0.453 | 0.500 | 0.486 | 88% | 10.700 |
| 3 | 16:03:32 | 92% | -0.044 | -0.042 | 0.524 | 0.435 | 0.482 | 89% | 10.510 |
| x | | 91% | -0.048 | -0.042 | 0.484 | 0.465 | 0.480 | 88% | 10.660 |
| σ | | 1% | 0.005 | 0.005 | 0.036 | 0.033 | 0.007 | 1% | 0.130 |
| %RSD | | 1 | 10.040 | 11.680 | 7.501 | 7.173 | 1.446 | 1 | 1.224 |

**C1868-07X25 MF3TA6** 05/01/2011 04:08:05 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:09:13 | 101% | -0.103 | 74.020 | 0.000 | 9237.000 | 1280.000 | 1203.000 | 1225.000 | 0.201 |
| 2 | 16:10:21 | 99% | -0.145 | 69.740 | 0.000 | 9459.000 | 1292.000 | 1218.000 | 1235.000 | 0.211 |
| 3 | 16:11:29 | 92% | -0.107 | 70.460 | 0.000 | 9565.000 | 1317.000 | 1233.000 | 1226.000 | 0.158 |
| x | | 97% | -0.118 | 71.410 | 0.000 | 9420.000 | 1296.000 | 1218.000 | 1229.000 | 0.190 |
| σ | | 4% | 0.023 | 2.296 | 0.000 | 167.500 | 18.880 | 15.030 | 5.775 | 0.028 |
| %RSD | | 4 | 19.730 | 3.215 | 0.000 | 1.778 | 1.457 | 1.234 | 0.470 | 14.840 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:09:13 | 1031.000 | 6.752 | 0.000 | 0.000 | 186.700 | 5312.000 | 5596.000 | 98% | -0.827 |
| 2 | 16:10:21 | 1042.000 | 1.443 | 0.000 | 0.000 | 196.200 | 5222.000 | 5646.000 | 96% | -0.733 |
| 3 | 16:11:29 | 1054.000 | 1.082 | 0.000 | 0.000 | 201.100 | 5417.000 | 5676.000 | 94% | -0.965 |
| x | | 1042.000 | 3.092 | 0.000 | 0.000 | 194.700 | 5317.000 | 5639.000 | 96% | -0.842 |
| σ | | 11.410 | 3.175 | 0.000 | 0.000 | 7.354 | 97.750 | 40.460 | 2% | 0.116 |
| %RSD | | 1.094 | 102.700 | 0.000 | 0.000 | 3.778 | 1.838 | 0.717 | 2 | 13.830 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:09:13 | 2.353 | 1.271 | 39.200 | 0.100 | -0.057 | 0.369 | 17.870 | -0.027 | -0.001 |
| 2 | 16:10:21 | 0.783 | 1.205 | 40.010 | 4.358 | -0.052 | 1.046 | 16.870 | -0.023 | -0.073 |
| 3 | 16:11:29 | 0.969 | 1.184 | 40.500 | 3.512 | -0.057 | 1.824 | 16.730 | -0.041 | -0.039 |
| x | | 1.368 | 1.220 | 39.900 | 2.656 | -0.055 | 1.080 | 17.160 | -0.030 | -0.038 |
| σ | | 0.858 | 0.045 | 0.655 | 2.254 | 0.003 | 0.728 | 0.622 | 0.009 | 0.036 |
| %RSD | | 62.690 | 3.715 | 1.640 | 84.860 | 4.990 | 67.450 | 3.626 | 30.450 | 95.640 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:09:13 | 0.313 | 0.484 | 0.280 | 0.267 | -0.024 | 0.233 | -0.362 | -0.024 | -1.117 |
| 2 | 16:10:21 | 0.325 | 0.308 | 0.576 | 0.077 | -0.025 | 0.239 | -0.162 | -0.025 | 3.172 |
| 3 | 16:11:29 | 0.411 | 0.331 | 0.492 | 0.419 | 0.291 | 0.195 | -0.402 | 0.291 | 0.210 |
| x | | 0.350 | 0.374 | 0.449 | 0.254 | 0.080 | 0.222 | -0.309 | 0.080 | 0.755 |
| σ | | 0.054 | 0.096 | 0.153 | 0.172 | 0.182 | 0.024 | 0.129 | 0.182 | 2.196 |
| %RSD | | 15.340 | 25.550 | 33.980 | 67.480 | 226.100 | 10.750 | 41.700 | 226.100 | 290.700 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:09:13 | -0.013 | 0.012 | 0.011 | 0.074 | 0.032 | 0.009 | 96% | -0.261 | -0.028 |
| 2 | 16:10:21 | 0.009 | 0.008 | 0.012 | 0.000 | 0.013 | 0.002 | 94% | 0.316 | -0.023 |
| 3 | 16:11:29 | -0.005 | -0.015 | 0.027 | 0.010 | -0.015 | 0.002 | 92% | 0.136 | -0.028 |
| x | | -0.003 | 0.002 | 0.017 | 0.028 | 0.010 | 0.005 | 94% | 0.064 | -0.026 |
| σ | | 0.011 | 0.015 | 0.009 | 0.040 | 0.024 | 0.004 | 2% | 0.295 | 0.003 |
| %RSD | | 373.000 | 882.400 | 53.420 | 142.400 | 235.300 | 83.340 | 2 | 462.200 | 10.490 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:09:13 | 0.145 | -0.260 | -0.019 | -0.091 | -0.070 | -0.051 | 1.055 | 1.155 | 95% |
| 2 | 16:10:21 | -0.223 | 0.318 | -0.027 | -0.038 | -0.082 | -0.049 | 1.082 | 1.151 | 94% |
| 3 | 16:11:29 | -0.071 | 0.136 | -0.025 | -0.061 | -0.079 | -0.059 | 1.156 | 1.141 | 93% |
| x | | -0.050 | 0.064 | -0.023 | -0.064 | -0.077 | -0.053 | 1.097 | 1.149 | 94% |
| σ | | 0.185 | 0.296 | 0.004 | 0.027 | 0.007 | 0.005 | 0.052 | 0.008 | 1% |
| %RSD | | 373.600 | 459.200 | 18.020 | 42.280 | 8.572 | 9.551 | 4.756 | 0.661 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:09:13 | 95% | -0.056 | -0.050 | -0.032 | -0.024 | -0.026 | 94% | 0.223 |
| 2 | 16:10:21 | 94% | -0.054 | -0.047 | -0.047 | -0.029 | -0.036 | 95% | 0.226 |
| 3 | 16:11:29 | 93% | -0.050 | -0.046 | -0.044 | -0.032 | -0.038 | 92% | 0.220 |
| x | | 94% | -0.054 | -0.048 | -0.041 | -0.028 | -0.033 | 94% | 0.223 |
| σ | | 1% | 0.003 | 0.002 | 0.008 | 0.004 | 0.006 | 1% | 0.003 |
| %RSD | | 1 | 5.663 | 4.580 | 18.750 | 15.700 | 18.930 | 1 | 1.332 |

**C1868-08X25 MF3TC4** 05/01/2011 04:16:02 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:17:10 | 95% | -0.153 | 38.120 | 0.000 | 5624.000 | 3051.000 | 3076.000 | 3097.000 | -0.197 |
| 2 | 16:18:19 | 96% | -0.127 | 40.250 | 0.000 | 5610.000 | 3018.000 | 2989.000 | 3049.000 | -0.300 |
| 3 | 16:19:27 | 93% | -0.126 | 42.270 | 0.000 | 5791.000 | 3110.000 | 3111.000 | 3149.000 | -0.110 |
| x | | 95% | -0.135 | 40.210 | 0.000 | 5675.000 | 3060.000 | 3059.000 | 3098.000 | -0.203 |
| σ | | 1% | 0.016 | 2.077 | 0.000 | 101.000 | 46.710 | 62.920 | 49.770 | 0.095 |
| %RSD | | 2 | 11.570 | 5.164 | 0.000 | 1.779 | 1.526 | 2.057 | 1.607 | 46.950 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:17:10 | 986.500 | 3.595 | 0.000 | 0.000 | 440.600 | 8237.000 | 8857.000 | 93% | -0.753 |
| 2 | 16:18:19 | 991.700 | 1.655 | 0.000 | 0.000 | 439.200 | 8288.000 | 8681.000 | 95% | -0.787 |
| 3 | 16:19:27 | 1021.000 | 3.431 | 0.000 | 0.000 | 446.500 | 8482.000 | 8774.000 | 95% | -0.817 |
| x | | 999.700 | 2.894 | 0.000 | 0.000 | 442.100 | 8336.000 | 8771.000 | 94% | -0.786 |
| σ | | 18.580 | 1.076 | 0.000 | 0.000 | 3.892 | 129.400 | 87.880 | 1% | 0.032 |
| %RSD | | 1.858 | 37.170 | 0.000 | 0.000 | 0.880 | 1.553 | 1.002 | 1 | 4.060 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:17:10 | 2.613 | 0.138 | 31.090 | 4.461 | -0.048 | 2.141 | 26.920 | -0.019 | 0.025 |
| 2 | 16:18:19 | 2.192 | 0.129 | 30.040 | 4.620 | -0.046 | 2.631 | 27.700 | -0.035 | -0.079 |
| 3 | 16:19:27 | 2.738 | 0.124 | 28.610 | 0.722 | -0.070 | 2.245 | 27.510 | -0.037 | 0.045 |
| x | | 2.514 | 0.130 | 29.910 | 3.268 | -0.055 | 2.339 | 27.380 | -0.030 | -0.003 |
| σ | | 0.286 | 0.007 | 1.246 | 2.206 | 0.014 | 0.258 | 0.407 | 0.009 | 0.067 |
| %RSD | | 11.370 | 5.534 | 4.166 | 67.520 | 24.770 | 11.050 | 1.488 | 31.010 | 2323.000 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:17:10 | -0.020 | -0.062 | 1.549 | 0.246 | 0.685 | 0.210 | -0.023 | 0.685 | 0.510 |
| 2 | 16:18:19 | -0.074 | -0.057 | 1.473 | 0.153 | 0.446 | 0.218 | 0.248 | 0.446 | 0.439 |
| 3 | 16:19:27 | -0.035 | 0.000 | 1.626 | 0.748 | 0.601 | 0.100 | -0.271 | 0.601 | -1.353 |
| x | | -0.043 | -0.040 | 1.549 | 0.382 | 0.577 | 0.176 | -0.015 | 0.577 | -0.135 |
| σ | | 0.028 | 0.035 | 0.077 | 0.320 | 0.122 | 0.066 | 0.260 | 0.121 | 1.056 |
| %RSD | | 65.630 | 87.650 | 4.948 | 83.670 | 21.060 | 37.330 | 1692.000 | 21.030 | 783.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:17:10 | -0.015 | 0.029 | 0.009 | -0.022 | 0.003 | 0.002 | 93% | -0.151 | -0.025 |
| 2 | 16:18:19 | -0.031 | -0.006 | -0.013 | -0.014 | -0.000 | 0.006 | 93% | 0.655 | -0.023 |
| 3 | 16:19:27 | -0.005 | 0.058 | 0.022 | 0.048 | -0.001 | -0.001 | 93% | 1.595 | -0.022 |
| x | | -0.017 | 0.027 | 0.006 | 0.004 | 0.001 | 0.002 | 93% | 0.700 | -0.023 |
| σ | | 0.013 | 0.032 | 0.017 | 0.038 | 0.002 | 0.003 | 0% | 0.874 | 0.002 |
| %RSD | | 74.960 | 116.600 | 283.000 | 916.800 | 366.700 | 145.200 | 0 | 124.900 | 6.910 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:17:10 | 0.036 | -0.153 | -0.017 | -0.080 | -0.084 | -0.051 | 1.357 | 1.565 | 94% |
| 2 | 16:18:19 | -0.409 | 0.654 | -0.022 | -0.030 | -0.072 | -0.054 | 1.292 | 1.487 | 94% |
| 3 | 16:19:27 | -0.824 | 1.597 | -0.022 | 0.016 | -0.078 | -0.054 | 1.469 | 1.714 | 94% |
| x | | -0.399 | 0.699 | -0.020 | -0.031 | -0.078 | -0.053 | 1.373 | 1.589 | 94% |
| σ | | 0.430 | 0.876 | 0.003 | 0.048 | 0.006 | 0.002 | 0.090 | 0.115 | 0% |
| %RSD | | 107.900 | 125.300 | 14.400 | 153.000 | 7.779 | 3.771 | 6.528 | 7.241 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:17:10 | 94% | -0.057 | -0.048 | -0.052 | -0.033 | -0.047 | 93% | 0.685 |
| 2 | 16:18:19 | 95% | -0.048 | -0.044 | -0.049 | -0.037 | -0.049 | 95% | 0.657 |
| 3 | 16:19:27 | 94% | -0.053 | -0.045 | -0.057 | -0.044 | -0.052 | 95% | 0.691 |
| x | | 94% | -0.053 | -0.046 | -0.053 | -0.038 | -0.049 | 94% | 0.678 |
| σ | | 0% | 0.004 | 0.002 | 0.004 | 0.006 | 0.002 | 1% | 0.018 |
| %RSD | | 0 | 8.335 | 4.632 | 7.489 | 15.710 | 4.794 | 1 | 2.651 |

**C1868-09X25 MF3TD2** 05/01/2011 04:24:00 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:25:08 | 93% | -0.126 | 59.440 | 0.000 | 12710.000 | 3229.000 | 3079.000 | 3105.000 | 0.715 |
| 2 | 16:26:16 | 91% | -0.153 | 60.110 | 0.000 | 13200.000 | 3382.000 | 3227.000 | 3252.000 | 0.638 |
| 3 | 16:27:24 | 91% | -0.134 | 66.060 | 0.000 | 13050.000 | 3327.000 | 3204.000 | 3224.000 | 0.441 |
| x | | 92% | -0.138 | 61.870 | 0.000 | 12990.000 | 3313.000 | 3170.000 | 3194.000 | 0.598 |
| σ | | 1% | 0.014 | 3.642 | 0.000 | 254.100 | 77.470 | 79.840 | 77.830 | 0.141 |
| %RSD | | 1 | 10.230 | 5.887 | 0.000 | 1.957 | 2.338 | 2.519 | 2.437 | 23.660 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:25:08 | 1361.000 | 0.152 | 0.000 | 0.000 | 136.400 | 8314.000 | 8882.000 | 95% | -0.936 |
| 2 | 16:26:16 | 1433.000 | 2.974 | 0.000 | 0.000 | 152.200 | 8771.000 | 9360.000 | 91% | -0.897 |
| 3 | 16:27:24 | 1417.000 | 1.708 | 0.000 | 0.000 | 146.100 | 8708.000 | 9129.000 | 92% | -0.717 |
| x | | 1404.000 | 1.611 | 0.000 | 0.000 | 144.900 | 8598.000 | 9123.000 | 92% | -0.850 |
| σ | | 37.930 | 1.414 | 0.000 | 0.000 | 7.962 | 247.800 | 239.100 | 2% | 0.117 |
| %RSD | | 2.701 | 87.730 | 0.000 | 0.000 | 5.495 | 2.883 | 2.620 | 2 | 13.780 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:25:08 | 2.547 | 0.110 | 23.800 | 3.365 | -0.039 | 1.556 | 24.860 | 0.020 | 0.100 |
| 2 | 16:26:16 | 2.392 | 0.185 | 25.290 | 1.307 | -0.004 | 3.137 | 26.790 | 0.009 | 0.064 |
| 3 | 16:27:24 | 1.580 | 0.143 | 26.190 | 4.959 | -0.010 | 2.711 | 31.160 | 0.017 | -0.018 |
| x | | 2.173 | 0.146 | 25.090 | 3.210 | -0.017 | 2.468 | 27.600 | 0.015 | 0.049 |
| σ | | 0.519 | 0.038 | 1.205 | 1.831 | 0.018 | 0.818 | 3.224 | 0.006 | 0.061 |
| %RSD | | 23.900 | 25.870 | 4.802 | 57.020 | 105.900 | 33.140 | 11.680 | 37.810 | 125.000 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:25:08 | 0.896 | 0.899 | 0.054 | 0.369 | 0.054 | 0.160 | 0.499 | 0.054 | 2.250 |
| 2 | 16:26:16 | 0.896 | 0.898 | 0.086 | 0.607 | 0.945 | 0.131 | 0.659 | 0.943 | -0.721 |
| 3 | 16:27:24 | 0.880 | 0.942 | 0.115 | 0.144 | 0.579 | 0.189 | 0.290 | 0.579 | 0.766 |
| x | | 0.890 | 0.913 | 0.085 | 0.373 | 0.526 | 0.160 | 0.483 | 0.525 | 0.765 |
| σ | | 0.009 | 0.025 | 0.030 | 0.232 | 0.448 | 0.029 | 0.185 | 0.447 | 1.486 |
| %RSD | | 1.034 | 2.757 | 35.680 | 62.090 | 85.180 | 18.180 | 38.300 | 85.110 | 194.200 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:25:08 | 0.006 | 0.020 | 0.014 | 0.065 | 0.021 | 0.002 | 92% | 0.414 | -0.020 |
| 2 | 16:26:16 | -0.035 | 0.021 | -0.016 | 0.004 | -0.014 | 0.002 | 91% | 1.054 | -0.023 |
| 3 | 16:27:24 | -0.019 | 0.001 | 0.006 | 0.036 | 0.056 | 0.006 | 91% | -0.466 | -0.020 |
| x | | -0.016 | 0.014 | 0.001 | 0.035 | 0.021 | 0.004 | 91% | 0.334 | -0.021 |
| σ | | 0.021 | 0.011 | 0.015 | 0.031 | 0.035 | 0.002 | 1% | 0.763 | 0.002 |
| %RSD | | 127.200 | 80.730 | 1044.000 | 87.470 | 169.000 | 57.180 | 1 | 228.700 | 9.014 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:25:08 | -0.223 | 0.412 | -0.020 | -0.045 | -0.090 | -0.044 | 0.310 | 0.714 | 94% |
| 2 | 16:26:16 | -0.522 | 1.053 | -0.020 | -0.018 | -0.064 | -0.057 | 0.585 | 0.747 | 93% |
| 3 | 16:27:24 | 0.212 | -0.472 | -0.025 | -0.080 | -0.087 | -0.050 | 0.701 | 0.608 | 93% |
| x | | -0.178 | 0.331 | -0.022 | -0.047 | -0.080 | -0.050 | 0.532 | 0.690 | 93% |
| σ | | 0.369 | 0.766 | 0.003 | 0.031 | 0.014 | 0.007 | 0.200 | 0.073 | 1% |
| %RSD | | 207.600 | 231.400 | 13.370 | 65.650 | 17.680 | 13.070 | 37.670 | 10.530 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:25:08 | 94% | -0.049 | -0.047 | -0.055 | -0.055 | -0.058 | 95% | 0.363 |
| 2 | 16:26:16 | 93% | -0.049 | -0.038 | -0.067 | -0.061 | -0.058 | 93% | 0.386 |
| 3 | 16:27:24 | 93% | -0.052 | -0.042 | -0.064 | -0.061 | -0.062 | 93% | 0.372 |
| x | | 94% | -0.050 | -0.042 | -0.062 | -0.059 | -0.059 | 94% | 0.374 |
| σ | | 1% | 0.002 | 0.005 | 0.006 | 0.003 | 0.002 | 1% | 0.012 |
| %RSD | | 1 | 3.789 | 10.950 | 9.615 | 5.730 | 3.882 | 1 | 3.151 |

**C1868-10X25 MF3TD1** 05/01/2011 04:31:58 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:33:06 | 93% | -0.135 | 81.970 | 0.000 | 20900.000 | 4743.000 | 4555.000 | 4655.000 | 0.294 |
| 2 | 16:34:15 | 94% | -0.126 | 81.610 | 0.000 | 21330.000 | 4923.000 | 4668.000 | 4755.000 | 0.348 |
| 3 | 16:35:23 | 94% | -0.117 | 85.530 | 0.000 | 21150.000 | 4821.000 | 4661.000 | 4721.000 | 0.304 |
| x | | 94% | -0.126 | 83.040 | 0.000 | 21130.000 | 4829.000 | 4628.000 | 4710.000 | 0.315 |
| σ | | 0% | 0.009 | 2.164 | 0.000 | 214.800 | 90.540 | 63.120 | 50.860 | 0.028 |
| %RSD | | 0 | 7.185 | 2.607 | 0.000 | 1.017 | 1.875 | 1.364 | 1.080 | 9.036 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:33:06 | 1139.000 | 4.151 | 0.000 | 0.000 | 394.500 | 16970.000 | 18170.000 | 91% | -0.868 |
| 2 | 16:34:15 | 1133.000 | 1.832 | 0.000 | 0.000 | 403.800 | 17480.000 | 18600.000 | 91% | -0.866 |
| 3 | 16:35:23 | 1129.000 | 1.942 | 0.000 | 0.000 | 391.300 | 17170.000 | 18150.000 | 93% | -0.662 |
| x | | 1134.000 | 2.642 | 0.000 | 0.000 | 396.600 | 17210.000 | 18310.000 | 92% | -0.798 |
| σ | | 4.943 | 1.308 | 0.000 | 0.000 | 6.505 | 257.000 | 250.300 | 1% | 0.118 |
| %RSD | | 0.436 | 49.520 | 0.000 | 0.000 | 1.640 | 1.493 | 1.367 | 2 | 14.820 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:33:06 | 1.734 | 0.334 | 21.780 | 4.443 | -0.051 | 3.207 | 69.830 | -0.048 | 0.105 |
| 2 | 16:34:15 | 0.863 | 0.310 | 23.130 | 6.336 | -0.051 | 3.783 | 66.180 | -0.038 | 0.114 |
| 3 | 16:35:23 | 0.516 | 0.349 | 21.670 | 3.759 | -0.063 | 3.345 | 64.560 | -0.036 | 0.129 |
| x | | 1.038 | 0.331 | 22.190 | 4.846 | -0.055 | 3.445 | 66.850 | -0.041 | 0.116 |
| σ | | 0.627 | 0.020 | 0.815 | 1.335 | 0.007 | 0.301 | 2.699 | 0.007 | 0.012 |
| %RSD | | 60.430 | 5.903 | 3.673 | 27.540 | 12.120 | 8.729 | 4.038 | 16.450 | 10.700 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:33:06 | 0.349 | 0.341 | 0.174 | 0.270 | 0.300 | 0.139 | 1.049 | 0.300 | 4.261 |
| 2 | 16:34:15 | 0.331 | 0.376 | 0.106 | 0.311 | 0.991 | 0.105 | 0.939 | 0.990 | -0.952 |
| 3 | 16:35:23 | 0.286 | 0.408 | 0.065 | 0.196 | 1.210 | 0.117 | 0.100 | 1.211 | 1.853 |
| x | | 0.322 | 0.375 | 0.115 | 0.259 | 0.834 | 0.120 | 0.696 | 0.834 | 1.721 |
| σ | | 0.032 | 0.033 | 0.055 | 0.058 | 0.475 | 0.017 | 0.519 | 0.475 | 2.609 |
| %RSD | | 10.080 | 8.916 | 47.950 | 22.550 | 56.970 | 14.500 | 74.560 | 56.980 | 151.600 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:33:06 | -0.034 | -0.003 | -0.015 | 0.078 | -0.001 | 0.006 | 90% | 1.154 | -0.023 |
| 2 | 16:34:15 | -0.040 | 0.001 | -0.011 | 0.029 | -0.008 | 0.013 | 90% | -1.001 | -0.020 |
| 3 | 16:35:23 | -0.057 | 0.016 | 0.010 | -0.013 | -0.018 | -0.001 | 91% | -0.490 | -0.028 |
| x | | -0.044 | 0.005 | -0.005 | 0.031 | -0.009 | 0.006 | 90% | -0.112 | -0.024 |
| σ | | 0.012 | 0.010 | 0.014 | 0.045 | 0.008 | 0.007 | 1% | 1.126 | 0.004 |
| %RSD | | 26.590 | 219.400 | 262.300 | 144.200 | 91.930 | 117.600 | 1 | 1003.000 | 17.950 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:33:06 | -0.683 | 1.153 | -0.023 | 0.007 | -0.094 | -0.064 | 0.746 | 0.726 | 91% |
| 2 | 16:34:15 | 0.505 | -1.004 | -0.023 | -0.125 | -0.084 | -0.058 | 0.777 | 0.733 | 90% |
| 3 | 16:35:23 | 0.223 | -0.493 | -0.025 | -0.094 | -0.049 | -0.062 | 0.561 | 0.860 | 92% |
| x | | 0.015 | -0.115 | -0.024 | -0.071 | -0.076 | -0.061 | 0.694 | 0.773 | 91% |
| σ | | 0.621 | 1.127 | 0.001 | 0.069 | 0.024 | 0.003 | 0.117 | 0.076 | 1% |
| %RSD | | 4153.000 | 983.200 | 4.208 | 97.430 | 31.320 | 4.308 | 16.850 | 9.779 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:33:06 | 90% | -0.051 | -0.041 | -0.058 | -0.042 | -0.052 | 90% | 0.518 |
| 2 | 16:34:15 | 91% | -0.047 | -0.045 | -0.050 | -0.041 | -0.048 | 91% | 0.537 |
| 3 | 16:35:23 | 91% | -0.046 | -0.043 | -0.048 | -0.035 | -0.046 | 92% | 0.520 |
| x | | 91% | -0.048 | -0.043 | -0.052 | -0.040 | -0.049 | 91% | 0.525 |
| σ | | 1% | 0.002 | 0.002 | 0.006 | 0.004 | 0.003 | 1% | 0.010 |
| %RSD | | 1 | 5.048 | 3.870 | 10.670 | 9.053 | 6.126 | 1 | 1.982 |

**C1868-11X25 MF3TD8** 05/01/2011 04:39:56 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:41:04 | 94% | -0.108 | 54.130 | 0.000 | 10740.000 | 1865.000 | 1777.000 | 1792.000 | 0.101 |
| 2 | 16:42:13 | 94% | -0.144 | 54.560 | 0.000 | 10420.000 | 1810.000 | 1724.000 | 1753.000 | 0.128 |
| 3 | 16:43:21 | 95% | -0.144 | 56.120 | 0.000 | 10470.000 | 1819.000 | 1743.000 | 1762.000 | 0.146 |
| x | | 95% | -0.132 | 54.940 | 0.000 | 10540.000 | 1831.000 | 1748.000 | 1769.000 | 0.125 |
| σ | | 1% | 0.021 | 1.049 | 0.000 | 171.600 | 29.490 | 26.580 | 20.590 | 0.023 |
| %RSD | | 1 | 16.020 | 1.909 | 0.000 | 1.627 | 1.610 | 1.521 | 1.164 | 18.220 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:41:04 | 886.000 | 1.554 | 0.000 | 0.000 | 257.600 | 5881.000 | 6369.000 | 91% | -0.899 |
| 2 | 16:42:13 | 861.900 | -3.369 | 0.000 | 0.000 | 241.400 | 5901.000 | 6218.000 | 94% | -0.697 |
| 3 | 16:43:21 | 881.300 | 2.470 | 0.000 | 0.000 | 239.300 | 5993.000 | 6232.000 | 95% | -0.549 |
| x | | 876.400 | 0.218 | 0.000 | 0.000 | 246.100 | 5925.000 | 6273.000 | 93% | -0.715 |
| σ | | 12.790 | 3.141 | 0.000 | 0.000 | 10.050 | 60.140 | 83.220 | 2% | 0.176 |
| %RSD | | 1.460 | 1440.000 | 0.000 | 0.000 | 4.083 | 1.015 | 1.327 | 2 | 24.560 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:41:04 | 1.979 | 0.290 | 19.030 | 4.716 | -0.036 | 4.809 | 20.670 | -0.047 | -0.114 |
| 2 | 16:42:13 | 1.710 | 0.241 | 17.380 | 6.052 | -0.061 | 2.636 | 21.830 | -0.029 | -0.086 |
| 3 | 16:43:21 | 1.304 | 0.229 | 17.930 | 3.908 | -0.067 | 2.812 | 25.490 | -0.037 | -0.056 |
| x | | 1.664 | 0.253 | 18.110 | 4.892 | -0.055 | 3.419 | 22.660 | -0.037 | -0.085 |
| σ | | 0.340 | 0.033 | 0.844 | 1.083 | 0.017 | 1.207 | 2.515 | 0.009 | 0.029 |
| %RSD | | 20.420 | 12.840 | 4.660 | 22.130 | 30.470 | 35.310 | 11.100 | 24.280 | 34.320 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:41:04 | 0.207 | 0.237 | 0.020 | 0.367 | 0.216 | 0.108 | 0.299 | 0.216 | -1.112 |
| 2 | 16:42:13 | 0.205 | 0.227 | -0.144 | 0.438 | 0.566 | 0.084 | 0.067 | 0.566 | -1.281 |
| 3 | 16:43:21 | 0.273 | 0.288 | -0.031 | 0.554 | 0.054 | 0.067 | 0.007 | 0.054 | -0.790 |
| x | | 0.228 | 0.251 | -0.051 | 0.453 | 0.278 | 0.086 | 0.124 | 0.278 | -1.061 |
| σ | | 0.039 | 0.033 | 0.084 | 0.095 | 0.262 | 0.021 | 0.155 | 0.262 | 0.249 |
| %RSD | | 17.000 | 13.120 | 163.600 | 20.910 | 93.980 | 23.780 | 124.400 | 94.050 | 23.510 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:41:04 | 0.044 | 0.186 | 0.102 | 0.090 | 0.140 | 0.006 | 92% | 0.321 | -0.026 |
| 2 | 16:42:13 | 0.037 | 0.129 | 0.114 | 0.143 | 0.141 | 0.002 | 92% | -0.759 | -0.026 |
| 3 | 16:43:21 | 0.093 | 0.137 | 0.129 | 0.133 | 0.130 | 0.013 | 94% | -0.332 | -0.026 |
| x | | 0.058 | 0.151 | 0.115 | 0.122 | 0.137 | 0.007 | 93% | -0.257 | -0.026 |
| σ | | 0.030 | 0.031 | 0.013 | 0.028 | 0.006 | 0.005 | 1% | 0.544 | 0.000 |
| %RSD | | 52.380 | 20.670 | 11.560 | 23.000 | 4.512 | 74.520 | 1 | 212.100 | 0.127 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:41:04 | -0.121 | 0.323 | -0.025 | -0.055 | -0.093 | -0.062 | 2.213 | 2.222 | 91% |
| 2 | 16:42:13 | 0.372 | -0.763 | -0.025 | -0.117 | -0.063 | -0.062 | 1.919 | 2.012 | 93% |
| 3 | 16:43:21 | 0.135 | -0.333 | -0.027 | -0.084 | -0.082 | -0.066 | 1.923 | 2.189 | 94% |
| x | | 0.129 | -0.258 | -0.026 | -0.085 | -0.079 | -0.063 | 2.018 | 2.141 | 93% |
| σ | | 0.246 | 0.547 | 0.001 | 0.031 | 0.015 | 0.002 | 0.169 | 0.113 | 1% |
| %RSD | | 191.600 | 212.400 | 3.777 | 36.000 | 19.370 | 3.219 | 8.374 | 5.275 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:41:04 | 92% | -0.050 | -0.041 | -0.070 | -0.062 | -0.068 | 93% | 0.390 |
| 2 | 16:42:13 | 94% | -0.049 | -0.043 | -0.070 | -0.059 | -0.063 | 95% | 0.376 |
| 3 | 16:43:21 | 94% | -0.058 | -0.042 | -0.060 | -0.065 | -0.064 | 95% | 0.367 |
| x | | 93% | -0.052 | -0.042 | -0.067 | -0.062 | -0.065 | 94% | 0.378 |
| σ | | 1% | 0.005 | 0.001 | 0.005 | 0.003 | 0.003 | 1% | 0.011 |
| %RSD | | 2 | 9.694 | 2.164 | 8.099 | 5.211 | 4.189 | 1 | 3.005 |

**CCV** 05/01/2011 04:47:53 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:49:01 | 85% | 506.900 | 498.100 | 0.000 | 50990.000 | 50840.000 | 50240.000 | 50120.000 | 10130.000 |
| 2 | 16:50:09 | 83% | 513.900 | 512.900 | 0.000 | 50980.000 | 50860.000 | 50280.000 | 50590.000 | 10150.000 |
| 3 | 16:51:17 | 84% | 511.900 | 509.300 | 0.000 | 50450.000 | 50320.000 | 49970.000 | 49850.000 | 10110.000 |
| x | | 84% | 510.900 | 506.800 | 0.000 | 50810.000 | 50670.000 | 50160.000 | 50190.000 | 10130.000 |
| σ | | 1% | 3.575 | 7.681 | 0.000 | 308.600 | 303.100 | 169.000 | 377.900 | 22.030 |
| %RSD | | 1 | 0.700 | 1.516 | 0.000 | 0.608 | 0.598 | 0.337 | 0.753 | 0.218 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:49:01 | 504.100 | 10030.000 | 0.000 | 0.000 | 25360.000 | 50640.000 | 48090.000 | 84% | 495.600 |
| 2 | 16:50:09 | 513.700 | 10180.000 | 0.000 | 0.000 | 25490.000 | 50740.000 | 48020.000 | 84% | 484.500 |
| 3 | 16:51:17 | 509.300 | 10010.000 | 0.000 | 0.000 | 25220.000 | 50440.000 | 48050.000 | 84% | 492.300 |
| x | | 509.100 | 10070.000 | 0.000 | 0.000 | 25360.000 | 50610.000 | 48050.000 | 84% | 490.800 |
| σ | | 4.805 | 90.870 | 0.000 | 0.000 | 133.700 | 152.800 | 35.480 | 0% | 5.704 |
| %RSD | | 0.944 | 0.902 | 0.000 | 0.000 | 0.527 | 0.302 | 0.074 | 0 | 1.162 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:49:01 | 492.600 | 484.000 | 25.310 | 25360.000 | 983.600 | 24860.000 | 25300.000 | 494.700 | 493.500 |
| 2 | 16:50:09 | 483.000 | 480.300 | 26.350 | 25200.000 | 980.200 | 24940.000 | 24790.000 | 482.600 | 493.400 |
| 3 | 16:51:17 | 493.300 | 483.500 | 19.470 | 25200.000 | 978.800 | 24790.000 | 25040.000 | 485.300 | 493.800 |
| x | | 489.600 | 482.600 | 23.710 | 25250.000 | 980.900 | 24860.000 | 25040.000 | 487.500 | 493.600 |
| σ | | 5.738 | 2.045 | 3.708 | 90.250 | 2.437 | 74.710 | 253.200 | 6.347 | 0.186 |
| %RSD | | 1.172 | 0.424 | 15.640 | 0.357 | 0.248 | 0.300 | 1.011 | 1.302 | 0.038 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:49:01 | 979.400 | 989.600 | 979.800 | 490.700 | 496.500 | -0.697 | 494.900 | 497.200 | 3.082 |
| 2 | 16:50:09 | 978.400 | 985.600 | 971.800 | 489.400 | 482.900 | -0.735 | 488.100 | 482.900 | 5.606 |
| 3 | 16:51:17 | 983.500 | 990.400 | 962.300 | 489.100 | 500.700 | -1.419 | 490.300 | 500.700 | 1.371 |
| x | | 980.400 | 988.500 | 971.300 | 489.700 | 493.400 | -0.950 | 491.100 | 493.600 | 3.353 |
| σ | | 2.684 | 2.541 | 8.785 | 0.867 | 9.281 | 0.406 | 3.454 | 9.450 | 2.130 |
| %RSD | | 0.274 | 0.257 | 0.905 | 0.177 | 1.881 | 42.750 | 0.703 | 1.915 | 63.540 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:49:01 | 472.000 | 485.200 | 486.700 | 486.600 | 485.400 | 0.015 | 82% | 470.300 | 496.800 |
| 2 | 16:50:09 | 469.700 | 485.600 | 484.600 | 477.300 | 483.700 | 0.015 | 83% | 484.000 | 493.100 |
| 3 | 16:51:17 | 469.800 | 488.000 | 486.000 | 483.000 | 487.400 | 0.007 | 82% | 481.600 | 493.000 |
| x | | 470.500 | 486.300 | 485.800 | 482.300 | 485.500 | 0.012 | 82% | 478.600 | 494.300 |
| σ | | 1.351 | 1.528 | 1.085 | 4.681 | 1.880 | 0.005 | 1% | 7.315 | 2.148 |
| %RSD | | 0.287 | 0.314 | 0.223 | 0.971 | 0.387 | 37.840 | 1 | 1.528 | 0.435 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:49:01 | 4.710 | 470.500 | 500.500 | 491.100 | 423.700 | 487.300 | 2473.000 | 2471.000 | 88% |
| 2 | 16:50:09 | 3.640 | 484.400 | 488.100 | 482.400 | 418.600 | 482.100 | 2436.000 | 2473.000 | 88% |
| 3 | 16:51:17 | -5.590 | 481.900 | 491.200 | 482.700 | 418.900 | 481.100 | 2453.000 | 2454.000 | 88% |
| x | | 0.920 | 478.900 | 493.200 | 485.400 | 420.400 | 483.500 | 2454.000 | 2466.000 | 88% |
| σ | | 5.663 | 7.418 | 6.427 | 4.965 | 2.839 | 3.339 | 18.520 | 10.570 | 0% |
| %RSD | | 615.500 | 1.549 | 1.303 | 1.023 | 0.675 | 0.691 | 0.755 | 0.429 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:49:01 | 89% | 497.500 | 497.200 | 493.800 | 495.200 | 495.200 | 87% | 505.500 |
| 2 | 16:50:09 | 88% | 495.500 | 492.600 | 493.100 | 491.200 | 494.000 | 88% | 497.500 |
| 3 | 16:51:17 | 88% | 488.800 | 488.400 | 490.000 | 491.300 | 489.600 | 88% | 499.600 |
| x | | 88% | 493.900 | 492.800 | 492.300 | 492.600 | 492.900 | 88% | 500.900 |
| σ | | 0% | 4.544 | 4.363 | 1.984 | 2.273 | 2.969 | 0% | 4.144 |
| %RSD | | 0 | 0.920 | 0.885 | 0.403 | 0.461 | 0.602 | 1 | 0.827 |

**CCB** 05/01/2011 04:55:48 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:56:56 | 88% | 0.188 | 11.130 | 0.000 | 77.930 | 32.660 | 32.900 | 34.240 | 5.728 |
| 2 | 16:58:04 | 85% | 0.179 | 9.565 | 0.000 | 64.990 | 22.050 | 21.420 | 22.600 | 4.151 |
| 3 | 16:59:12 | 86% | 0.026 | 8.492 | 0.000 | 50.980 | 16.560 | 16.280 | 13.730 | 2.752 |
| x | | 86% | 0.131 | 9.730 | 0.000 | 64.630 | 23.760 | 23.530 | 23.520 | 4.210 |
| σ | | 1% | 0.091 | 1.328 | 0.000 | 13.480 | 8.181 | 8.507 | 10.290 | 1.489 |
| %RSD | | 2 | 69.470 | 13.650 | 0.000 | 20.860 | 34.440 | 36.150 | 43.740 | 35.370 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:56:56 | 1.069 | 9.683 | 0.000 | 0.000 | 13.020 | 44.930 | -18.850 | 90% | -0.395 |
| 2 | 16:58:04 | 0.405 | 10.050 | 0.000 | 0.000 | 9.357 | 24.510 | -34.690 | 86% | -0.331 |
| 3 | 16:59:12 | 1.144 | 12.150 | 0.000 | 0.000 | 2.870 | 14.520 | -38.650 | 87% | -0.599 |
| x | | 0.872 | 10.630 | 0.000 | 0.000 | 8.415 | 27.980 | -30.730 | 88% | -0.442 |
| σ | | 0.407 | 1.328 | 0.000 | 0.000 | 5.138 | 15.500 | 10.480 | 2% | 0.140 |
| %RSD | | 46.650 | 12.500 | 0.000 | 0.000 | 61.060 | 55.380 | 34.090 | 2 | 31.620 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:56:56 | 0.060 | 0.360 | 13.200 | 12.770 | 0.635 | 10.670 | 14.890 | 0.307 | 0.346 |
| 2 | 16:58:04 | 0.463 | 0.193 | 11.510 | 12.070 | 0.384 | 8.682 | 11.580 | 0.192 | 0.131 |
| 3 | 16:59:12 | -0.147 | 0.185 | 11.940 | 11.250 | 0.237 | 4.851 | 7.933 | 0.133 | -0.008 |
| x | | 0.125 | 0.246 | 12.210 | 12.030 | 0.419 | 8.067 | 11.470 | 0.211 | 0.156 |
| σ | | 0.310 | 0.099 | 0.880 | 0.758 | 0.201 | 2.956 | 3.479 | 0.089 | 0.179 |
| %RSD | | 247.800 | 40.160 | 7.203 | 6.303 | 48.110 | 36.640 | 30.340 | 42.160 | 114.300 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:56:56 | 0.574 | 0.604 | 0.314 | 0.465 | 0.633 | 0.037 | 0.017 | 0.633 | -2.670 |
| 2 | 16:58:04 | 0.300 | 0.348 | 0.096 | 0.207 | 0.103 | 0.070 | 0.399 | 0.103 | -0.771 |
| 3 | 16:59:12 | 0.172 | 0.209 | -0.093 | -0.237 | -0.484 | 0.130 | 0.061 | -0.482 | 3.073 |
| x | | 0.349 | 0.387 | 0.106 | 0.145 | 0.084 | 0.079 | 0.159 | 0.084 | -0.123 |
| σ | | 0.205 | 0.200 | 0.204 | 0.355 | 0.559 | 0.047 | 0.209 | 0.558 | 2.926 |
| %RSD | | 58.920 | 51.800 | 192.600 | 245.100 | 664.200 | 59.600 | 131.700 | 660.900 | 2383.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:56:56 | 0.582 | 0.975 | 0.777 | 0.913 | 0.941 | 0.010 | 89% | 1.414 | 0.460 |
| 2 | 16:58:04 | 0.462 | 0.606 | 0.676 | 0.648 | 0.697 | 0.014 | 86% | 0.855 | 0.216 |
| 3 | 16:59:12 | 0.302 | 0.472 | 0.436 | 0.393 | 0.404 | 0.003 | 89% | 0.644 | 0.173 |
| x | | 0.449 | 0.684 | 0.630 | 0.651 | 0.681 | 0.009 | 88% | 0.971 | 0.283 |
| σ | | 0.141 | 0.261 | 0.175 | 0.260 | 0.269 | 0.006 | 1% | 0.398 | 0.155 |
| %RSD | | 31.360 | 38.090 | 27.770 | 39.920 | 39.490 | 65.420 | 1 | 40.940 | 54.800 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:56:56 | -0.771 | 1.411 | 0.470 | 0.417 | 0.405 | 0.651 | 1.692 | 1.917 | 91% |
| 2 | 16:58:04 | -0.128 | 0.851 | 0.243 | 0.274 | 0.290 | 0.443 | 0.925 | 0.904 | 89% |
| 3 | 16:59:12 | -0.292 | 0.640 | 0.164 | 0.177 | 0.226 | 0.357 | 0.565 | 0.674 | 91% |
| x | | -0.397 | 0.968 | 0.292 | 0.290 | 0.307 | 0.484 | 1.061 | 1.165 | 91% |
| σ | | 0.334 | 0.399 | 0.159 | 0.121 | 0.091 | 0.151 | 0.575 | 0.661 | 1% |
| %RSD | | 84.170 | 41.190 | 54.450 | 41.610 | 29.540 | 31.240 | 54.240 | 56.740 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:56:56 | 92% | 0.435 | 0.459 | 0.302 | 0.298 | 0.302 | 94% | 0.297 |
| 2 | 16:58:04 | 89% | 0.245 | 0.237 | 0.191 | 0.157 | 0.166 | 92% | 0.192 |
| 3 | 16:59:12 | 91% | 0.129 | 0.122 | 0.072 | 0.078 | 0.086 | 92% | 0.127 |
| x | | 91% | 0.270 | 0.273 | 0.189 | 0.178 | 0.184 | 93% | 0.205 |
| σ | | 1% | 0.155 | 0.171 | 0.115 | 0.112 | 0.109 | 1% | 0.086 |
| %RSD | | 2 | 57.350 | 62.750 | 61.170 | 62.910 | 59.280 | 2 | 41.720 |

**C1868-12 MF3TE0** 05/01/2011 05:03:44 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:04:52 | 93% | 0.048 | 634.700 | 0.000 | 167700.000 | 55490.000 | 54970.000 | 54870.000 | 6.197 |
| 2 | 17:06:00 | 94% | -0.063 | 663.300 | 0.000 | 172600.000 | 57400.000 | 56340.000 | 56200.000 | 8.636 |
| 3 | 17:07:07 | 95% | -0.018 | 654.100 | 0.000 | 169600.000 | 56050.000 | 55510.000 | 55250.000 | 4.663 |
| x | | 94% | -0.011 | 650.700 | 0.000 | 170000.000 | 56310.000 | 55600.000 | 55440.000 | 6.499 |
| σ | | 1% | 0.056 | 14.590 | 0.000 | 2475.000 | 981.300 | 691.300 | 687.500 | 2.003 |
| %RSD | | 1 | 496.300 | 2.243 | 0.000 | 1.456 | 1.743 | 1.243 | 1.240 | 30.830 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:04:52 | 19460.000 | -0.981 | 0.000 | 0.000 | 7032.000 | 241200.000 | 251500.000 | 99% | 0.899 |
| 2 | 17:06:00 | 20210.000 | 2.981 | 0.000 | 0.000 | 7315.000 | 249300.000 | 259800.000 | 96% | 0.768 |
| 3 | 17:07:07 | 19910.000 | -1.167 | 0.000 | 0.000 | 7070.000 | 242400.000 | 253300.000 | 98% | 1.190 |
| x | | 19860.000 | 0.277 | 0.000 | 0.000 | 7139.000 | 244300.000 | 254900.000 | 98% | 0.952 |
| σ | | 376.500 | 2.343 | 0.000 | 0.000 | 153.700 | 4370.000 | 4340.000 | 1% | 0.216 |
| %RSD | | 1.896 | 844.700 | 0.000 | 0.000 | 2.152 | 1.789 | 1.703 | 1 | 22.700 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:04:52 | 25.100 | 0.751 | 161.400 | 3.154 | 0.396 | 14.050 | 806.600 | 0.107 | 2.399 |
| 2 | 17:06:00 | 26.140 | 0.722 | 176.900 | 3.897 | 0.349 | 13.590 | 877.600 | -0.008 | 2.771 |
| 3 | 17:07:07 | 26.840 | 0.698 | 178.600 | -1.643 | 0.219 | 10.240 | 849.200 | -0.044 | 2.538 |
| x | | 26.030 | 0.724 | 172.300 | 1.803 | 0.321 | 12.630 | 844.500 | 0.018 | 2.569 |
| σ | | 0.879 | 0.027 | 9.464 | 3.007 | 0.091 | 2.079 | 35.750 | 0.079 | 0.188 |
| %RSD | | 3.376 | 3.683 | 5.493 | 166.800 | 28.430 | 16.470 | 4.233 | 433.800 | 7.327 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:04:52 | 48.490 | 49.440 | 33.880 | 6.976 | 22.890 | 0.937 | 14.970 | 23.280 | -1.550 |
| 2 | 17:06:00 | 49.430 | 51.460 | 34.000 | 7.834 | 23.680 | 0.878 | 15.380 | 24.030 | -0.251 |
| 3 | 17:07:07 | 48.890 | 48.970 | 34.400 | 5.812 | 22.070 | 1.266 | 16.570 | 22.430 | -0.640 |
| x | | 48.940 | 49.960 | 34.090 | 6.874 | 22.880 | 1.027 | 15.640 | 23.240 | -0.814 |
| σ | | 0.469 | 1.324 | 0.272 | 1.015 | 0.809 | 0.209 | 0.832 | 0.800 | 0.666 |
| %RSD | | 0.958 | 2.650 | 0.796 | 14.770 | 3.536 | 20.340 | 5.320 | 3.443 | 81.910 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:04:52 | 11.000 | 1.406 | 1.505 | 1.483 | 1.188 | 0.003 | 79% | 0.343 | 0.118 |
| 2 | 17:06:00 | 6.806 | 1.330 | 1.435 | 1.374 | 1.250 | 0.003 | 80% | 0.454 | 0.077 |
| 3 | 17:07:07 | 7.501 | 1.221 | 1.158 | 1.292 | 1.075 | 0.007 | 80% | -0.098 | 0.025 |
| x | | 8.436 | 1.319 | 1.366 | 1.383 | 1.171 | 0.004 | 80% | 0.233 | 0.073 |
| σ | | 2.248 | 0.093 | 0.184 | 0.096 | 0.089 | 0.002 | 0% | 0.292 | 0.047 |
| %RSD | | 26.650 | 7.055 | 13.450 | 6.927 | 7.574 | 54.000 | 1 | 125.200 | 63.650 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:04:52 | 0.315 | 0.328 | 0.110 | 0.104 | 0.938 | 0.273 | 26.280 | 25.230 | 86% |
| 2 | 17:06:00 | -0.052 | 0.443 | 0.052 | 0.062 | 0.793 | 0.230 | 25.630 | 24.500 | 85% |
| 3 | 17:07:07 | 0.253 | -0.110 | 0.027 | -0.031 | 0.696 | 0.142 | 24.630 | 25.030 | 86% |
| x | | 0.172 | 0.220 | 0.063 | 0.045 | 0.809 | 0.215 | 25.510 | 24.920 | 86% |
| σ | | 0.197 | 0.292 | 0.043 | 0.069 | 0.122 | 0.067 | 0.827 | 0.373 | 0% |
| %RSD | | 114.400 | 132.500 | 67.910 | 152.600 | 15.030 | 31.150 | 3.243 | 1.498 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:04:52 | 86% | 0.212 | 0.209 | 6.039 | 5.353 | 5.712 | 82% | 9.223 |
| 2 | 17:06:00 | 85% | 0.065 | 0.083 | 5.819 | 5.457 | 5.621 | 83% | 9.198 |
| 3 | 17:07:07 | 87% | 0.026 | 0.017 | 5.757 | 5.147 | 5.487 | 83% | 8.942 |
| x | | 86% | 0.101 | 0.103 | 5.872 | 5.319 | 5.607 | 83% | 9.121 |
| σ | | 1% | 0.098 | 0.098 | 0.148 | 0.158 | 0.113 | 1% | 0.156 |
| %RSD | | 1 | 97.660 | 94.660 | 2.524 | 2.962 | 2.017 | 1 | 1.708 |

**C1868-13 MF3T97** 05/01/2011 05:11:39 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:12:47 | 96% | -0.047 | 1083.000 | 0.000 | 275100.000 | 55480.000 | 54790.000 | 55270.000 | 1.212 |
| 2 | 17:13:55 | 95% | -0.028 | 1103.000 | 0.000 | 277000.000 | 56450.000 | 56030.000 | 55920.000 | 1.337 |
| 3 | 17:15:03 | 97% | -0.012 | 1095.000 | 0.000 | 272700.000 | 56030.000 | 55390.000 | 55230.000 | 1.067 |
| x | | 96% | -0.029 | 1094.000 | 0.000 | 274900.000 | 55990.000 | 55400.000 | 55470.000 | 1.205 |
| σ | | 1% | 0.018 | 9.816 | 0.000 | 2153.000 | 484.600 | 618.200 | 389.700 | 0.135 |
| %RSD | | 1 | 60.470 | 0.898 | 0.000 | 0.783 | 0.866 | 1.116 | 0.702 | 11.230 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:12:47 | 21960.000 | -8.862 | 0.000 | 0.000 | 6494.000 | 239200.000 | 252400.000 | 100% | 0.789 |
| 2 | 17:13:55 | 22370.000 | -9.871 | 0.000 | 0.000 | 6653.000 | 245900.000 | 256900.000 | 97% | 1.046 |
| 3 | 17:15:03 | 22100.000 | -5.080 | 0.000 | 0.000 | 6543.000 | 229000.000 | 255600.000 | 99% | 0.803 |
| x | | 22140.000 | -7.938 | 0.000 | 0.000 | 6563.000 | 238000.000 | 255000.000 | 99% | 0.879 |
| σ | | 209.300 | 2.526 | 0.000 | 0.000 | 81.590 | 8508.000 | 2298.000 | 1% | 0.145 |
| %RSD | | 0.945 | 31.820 | 0.000 | 0.000 | 1.243 | 3.574 | 0.902 | 2 | 16.480 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:12:47 | 31.630 | 0.819 | 168.700 | -5.468 | 0.078 | 6.694 | 838.500 | 0.017 | 2.697 |
| 2 | 17:13:55 | 32.110 | 0.959 | 182.100 | -1.555 | 0.108 | 7.995 | 829.600 | -0.060 | 2.815 |
| 3 | 17:15:03 | 32.230 | 1.017 | 182.600 | -3.373 | 0.064 | 6.970 | 861.800 | 0.042 | 2.782 |
| x | | 31.990 | 0.932 | 177.800 | -3.465 | 0.083 | 7.220 | 843.300 | -0.000 | 2.765 |
| σ | | 0.316 | 0.102 | 7.874 | 1.958 | 0.022 | 0.686 | 16.620 | 0.053 | 0.061 |
| %RSD | | 0.986 | 10.960 | 4.428 | 56.510 | 26.440 | 9.495 | 1.971 | 43930.000 | 2.198 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:12:47 | 1.742 | 2.003 | 3.044 | 8.563 | 25.870 | 0.988 | 17.650 | 26.350 | -0.606 |
| 2 | 17:13:55 | 1.701 | 2.114 | 2.832 | 9.447 | 27.720 | 0.883 | 18.220 | 28.130 | -3.540 |
| 3 | 17:15:03 | 1.841 | 1.982 | 2.842 | 9.141 | 24.080 | 0.948 | 18.490 | 24.460 | -2.981 |
| x | | 1.761 | 2.033 | 2.906 | 9.050 | 25.890 | 0.940 | 18.120 | 26.310 | -2.376 |
| σ | | 0.072 | 0.071 | 0.120 | 0.449 | 1.822 | 0.053 | 0.428 | 1.832 | 1.558 |
| %RSD | | 4.087 | 3.499 | 4.112 | 4.960 | 7.038 | 5.621 | 2.360 | 6.964 | 65.590 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:12:47 | 4.948 | 1.486 | 1.550 | 1.709 | 1.534 | 0.015 | 79% | 0.113 | 0.075 |
| 2 | 17:13:55 | 5.374 | 1.497 | 1.423 | 1.517 | 1.516 | 0.003 | 80% | 0.186 | 0.051 |
| 3 | 17:15:03 | 5.231 | 1.703 | 1.443 | 1.578 | 1.578 | -0.001 | 81% | -0.390 | 0.045 |
| x | | 5.184 | 1.562 | 1.472 | 1.602 | 1.543 | 0.006 | 80% | -0.030 | 0.057 |
| σ | | 0.217 | 0.123 | 0.069 | 0.098 | 0.032 | 0.008 | 1% | 0.314 | 0.016 |
| %RSD | | 4.175 | 7.844 | 4.656 | 6.118 | 2.067 | 149.600 | 1 | 1035.000 | 28.120 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:12:47 | -0.042 | 0.098 | 0.064 | -0.035 | 0.030 | 0.101 | 19.960 | 20.730 | 86% |
| 2 | 17:13:55 | -0.083 | 0.172 | 0.051 | -0.002 | 0.053 | 0.115 | 20.490 | 20.310 | 87% |
| 3 | 17:15:03 | 0.294 | -0.406 | 0.030 | -0.058 | 0.017 | 0.069 | 19.230 | 20.550 | 88% |
| x | | 0.056 | -0.045 | 0.048 | -0.032 | 0.033 | 0.095 | 19.890 | 20.530 | 87% |
| σ | | 0.207 | 0.315 | 0.017 | 0.029 | 0.018 | 0.024 | 0.632 | 0.212 | 1% |
| %RSD | | 367.100 | 694.200 | 35.520 | 90.440 | 54.840 | 25.070 | 3.177 | 1.031 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:12:47 | 87% | 0.033 | 0.033 | 0.184 | 0.188 | 0.189 | 83% | 11.820 |
| 2 | 17:13:55 | 88% | 0.010 | 0.021 | 0.171 | 0.162 | 0.164 | 83% | 12.030 |
| 3 | 17:15:03 | 89% | 0.016 | 0.016 | 0.154 | 0.152 | 0.152 | 85% | 11.810 |
| x | | 88% | 0.019 | 0.023 | 0.170 | 0.167 | 0.168 | 84% | 11.890 |
| σ | | 1% | 0.012 | 0.008 | 0.015 | 0.018 | 0.019 | 1% | 0.126 |
| %RSD | | 1 | 62.840 | 36.240 | 8.681 | 10.940 | 11.310 | 1 | 1.055 |

**C1868-14 MF3T99** 05/01/2011 05:19:35 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:20:43 | 92% | -0.051 | 1112.000 | 0.000 | 291700.000 | 59280.000 | 58780.000 | 58520.000 | 0.190 |
| 2 | 17:21:51 | 90% | -0.087 | 1096.000 | 0.000 | 290300.000 | 59340.000 | 58140.000 | 57970.000 | 0.364 |
| 3 | 17:22:59 | 91% | -0.097 | 1088.000 | 0.000 | 285800.000 | 57630.000 | 57350.000 | 57060.000 | 0.087 |
| x | | 91% | -0.078 | 1099.000 | 0.000 | 289200.000 | 58750.000 | 58090.000 | 57850.000 | 0.214 |
| σ | | 1% | 0.024 | 12.270 | 0.000 | 3064.000 | 970.300 | 719.000 | 737.800 | 0.140 |
| %RSD | | 1 | 30.570 | 1.117 | 0.000 | 1.059 | 1.652 | 1.238 | 1.275 | 65.360 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:20:43 | 23430.000 | -5.096 | 0.000 | 0.000 | 6295.000 | 225000.000 | 237900.000 | 95% | 0.608 |
| 2 | 17:21:51 | 23520.000 | 0.005 | 0.000 | 0.000 | 6358.000 | 211400.000 | 238200.000 | 93% | 0.965 |
| 3 | 17:22:59 | 22690.000 | -9.383 | 0.000 | 0.000 | 6130.000 | 203400.000 | 228400.000 | 96% | 1.538 |
| x | | 23210.000 | -4.824 | 0.000 | 0.000 | 6261.000 | 213300.000 | 234900.000 | 95% | 1.037 |
| σ | | 452.800 | 4.700 | 0.000 | 0.000 | 117.900 | 10940.000 | 5567.000 | 2% | 0.469 |
| %RSD | | 1.951 | 97.420 | 0.000 | 0.000 | 1.884 | 5.128 | 2.370 | 2 | 45.230 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:20:43 | 35.750 | 0.940 | 187.500 | -5.935 | 0.003 | 4.097 | 737.000 | 0.055 | 2.844 |
| 2 | 17:21:51 | 36.540 | 1.002 | 197.900 | -1.952 | 0.004 | 4.168 | 696.700 | 0.025 | 2.457 |
| 3 | 17:22:59 | 34.200 | 1.045 | 197.300 | -6.841 | 0.003 | 3.109 | 651.700 | 0.113 | 2.880 |
| x | | 35.500 | 0.996 | 194.200 | -4.910 | 0.003 | 3.791 | 695.100 | 0.064 | 2.727 |
| σ | | 1.193 | 0.053 | 5.864 | 2.601 | 0.001 | 0.592 | 42.690 | 0.045 | 0.235 |
| %RSD | | 3.360 | 5.297 | 3.019 | 52.970 | 24.040 | 15.610 | 6.141 | 69.280 | 8.613 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:20:43 | 3.234 | 3.360 | 15.200 | 9.337 | 24.500 | 1.101 | 16.920 | 24.900 | -0.947 |
| 2 | 17:21:51 | 3.086 | 3.342 | 14.890 | 8.998 | 24.220 | 1.171 | 18.890 | 24.540 | -0.232 |
| 3 | 17:22:59 | 3.094 | 3.265 | 14.880 | 9.638 | 24.150 | 1.092 | 17.300 | 24.540 | -3.044 |
| x | | 3.138 | 3.322 | 14.990 | 9.324 | 24.290 | 1.121 | 17.700 | 24.660 | -1.408 |
| σ | | 0.083 | 0.050 | 0.182 | 0.320 | 0.185 | 0.043 | 1.044 | 0.211 | 1.462 |
| %RSD | | 2.641 | 1.519 | 1.216 | 3.432 | 0.763 | 3.863 | 5.898 | 0.856 | 103.800 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:20:43 | 3.734 | 1.906 | 1.644 | 2.046 | 1.860 | 0.007 | 77% | 0.219 | 0.021 |
| 2 | 17:21:51 | 3.313 | 1.871 | 1.648 | 1.771 | 1.886 | 0.015 | 78% | -0.797 | 0.026 |
| 3 | 17:22:59 | 5.185 | 1.796 | 1.618 | 1.992 | 1.676 | 0.003 | 78% | -1.063 | 0.022 |
| x | | 4.077 | 1.858 | 1.637 | 1.936 | 1.807 | 0.009 | 78% | -0.547 | 0.023 |
| σ | | 0.982 | 0.056 | 0.017 | 0.146 | 0.115 | 0.006 | 1% | 0.676 | 0.003 |
| %RSD | | 24.080 | 3.033 | 1.009 | 7.517 | 6.356 | 73.900 | 1 | 123.700 | 12.280 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:20:43 | -0.098 | 0.202 | 0.013 | -0.036 | -0.025 | 0.063 | 25.340 | 25.830 | 85% |
| 2 | 17:21:51 | 0.584 | -0.814 | 0.040 | -0.111 | -0.033 | 0.035 | 24.090 | 25.130 | 86% |
| 3 | 17:22:59 | 0.607 | -1.078 | 0.028 | -0.107 | -0.002 | 0.050 | 24.890 | 23.770 | 86% |
| x | | 0.364 | -0.563 | 0.027 | -0.085 | -0.020 | 0.049 | 24.770 | 24.910 | 86% |
| σ | | 0.400 | 0.676 | 0.014 | 0.042 | 0.016 | 0.014 | 0.636 | 1.047 | 1% |
| %RSD | | 109.900 | 120.000 | 50.600 | 50.110 | 79.550 | 28.810 | 2.566 | 4.204 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:20:43 | 86% | -0.015 | -0.017 | 0.329 | 0.282 | 0.317 | 83% | 12.800 |
| 2 | 17:21:51 | 87% | -0.040 | -0.027 | 0.301 | 0.231 | 0.287 | 83% | 12.500 |
| 3 | 17:22:59 | 87% | -0.032 | -0.033 | 0.297 | 0.257 | 0.283 | 84% | 12.290 |
| x | | 86% | -0.029 | -0.026 | 0.309 | 0.257 | 0.295 | 83% | 12.530 |
| σ | | 1% | 0.013 | 0.008 | 0.017 | 0.026 | 0.018 | 1% | 0.257 |
| %RSD | | 1 | 44.530 | 32.110 | 5.654 | 9.970 | 6.198 | 1 | 2.053 |

**C1868-15 MF3TA0** 05/01/2011 05:27:31 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:28:39 | 92% | -0.106 | 1114.000 | 0.000 | 221900.000 | 44630.000 | 43980.000 | 44060.000 | 0.743 |
| 2 | 17:29:47 | 89% | -0.085 | 1203.000 | 0.000 | 233500.000 | 46980.000 | 46200.000 | 46740.000 | 0.743 |
| 3 | 17:30:55 | 92% | -0.078 | 1085.000 | 0.000 | 220200.000 | 44250.000 | 43690.000 | 43500.000 | 0.697 |
| x | | 91% | -0.090 | 1134.000 | 0.000 | 225200.000 | 45280.000 | 44620.000 | 44770.000 | 0.728 |
| σ | | 2% | 0.015 | 61.250 | 0.000 | 7245.000 | 1479.000 | 1376.000 | 1732.000 | 0.027 |
| %RSD | | 2 | 16.160 | 5.402 | 0.000 | 3.217 | 3.266 | 3.084 | 3.870 | 3.656 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:28:39 | 19980.000 | -8.444 | 0.000 | 0.000 | 6576.000 | 130500.000 | 145700.000 | 88% | 0.780 |
| 2 | 17:29:47 | 21090.000 | -4.998 | 0.000 | 0.000 | 6827.000 | 136500.000 | 153000.000 | 85% | 1.103 |
| 3 | 17:30:55 | 19750.000 | -11.820 | 0.000 | 0.000 | 6494.000 | 128500.000 | 144400.000 | 87% | 0.830 |
| x | | 20270.000 | -8.421 | 0.000 | 0.000 | 6632.000 | 131800.000 | 147700.000 | 87% | 0.904 |
| σ | | 716.900 | 3.411 | 0.000 | 0.000 | 173.200 | 4173.000 | 4625.000 | 1% | 0.174 |
| %RSD | | 3.536 | 40.510 | 0.000 | 0.000 | 2.612 | 3.166 | 3.131 | 2 | 19.250 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:28:39 | 30.420 | 5.212 | 206.600 | 14.570 | 0.087 | 19.400 | 474.800 | -0.056 | 1.583 |
| 2 | 17:29:47 | 34.600 | 5.530 | 220.000 | 13.700 | 0.127 | 21.670 | 520.500 | 0.019 | 1.474 |
| 3 | 17:30:55 | 30.980 | 5.223 | 219.000 | 10.690 | 0.137 | 19.860 | 486.600 | -0.023 | 1.525 |
| x | | 32.000 | 5.322 | 215.200 | 12.990 | 0.117 | 20.310 | 494.000 | -0.020 | 1.527 |
| σ | | 2.268 | 0.180 | 7.469 | 2.036 | 0.026 | 1.201 | 23.710 | 0.037 | 0.055 |
| %RSD | | 7.088 | 3.389 | 3.470 | 15.680 | 22.580 | 5.914 | 4.800 | 186.600 | 3.586 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:28:39 | 6.901 | 7.076 | 5.494 | 3.767 | 13.650 | 1.208 | 9.449 | 13.730 | 0.013 |
| 2 | 17:29:47 | 7.653 | 7.595 | 5.900 | 5.596 | 14.410 | 0.888 | 8.563 | 14.500 | -1.303 |
| 3 | 17:30:55 | 7.039 | 6.934 | 5.379 | 4.609 | 10.230 | 1.016 | 8.656 | 10.280 | 5.959 |
| x | | 7.198 | 7.202 | 5.591 | 4.657 | 12.760 | 1.037 | 8.890 | 12.840 | 1.556 |
| σ | | 0.400 | 0.348 | 0.274 | 0.915 | 2.225 | 0.161 | 0.487 | 2.248 | 3.870 |
| %RSD | | 5.563 | 4.831 | 4.893 | 19.650 | 17.440 | 15.510 | 5.477 | 17.520 | 248.700 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:28:39 | 2.454 | 4.139 | 3.778 | 4.303 | 4.281 | 0.003 | 81% | 0.084 | -0.002 |
| 2 | 17:29:47 | 2.762 | 4.200 | 4.160 | 4.518 | 4.401 | 0.003 | 78% | -0.310 | -0.003 |
| 3 | 17:30:55 | 2.302 | 4.131 | 4.070 | 4.032 | 4.057 | -0.001 | 81% | 1.065 | 0.022 |
| x | | 2.506 | 4.157 | 4.003 | 4.285 | 4.246 | 0.002 | 80% | 0.280 | 0.006 |
| σ | | 0.235 | 0.038 | 0.199 | 0.243 | 0.174 | 0.002 | 2% | 0.708 | 0.014 |
| %RSD | | 9.356 | 0.906 | 4.978 | 5.680 | 4.106 | 144.800 | 2 | 252.800 | 240.000 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:28:39 | 0.031 | 0.071 | 0.004 | -0.036 | -0.020 | 0.011 | 35.310 | 34.030 | 87% |
| 2 | 17:29:47 | 0.191 | -0.323 | 0.005 | -0.068 | -0.018 | 0.022 | 34.820 | 36.400 | 84% |
| 3 | 17:30:55 | -0.450 | 1.051 | 0.009 | -0.005 | -0.014 | 0.020 | 32.950 | 33.930 | 88% |
| x | | -0.076 | 0.266 | 0.006 | -0.036 | -0.017 | 0.017 | 34.360 | 34.790 | 86% |
| σ | | 0.334 | 0.708 | 0.003 | 0.031 | 0.003 | 0.006 | 1.243 | 1.399 | 2% |
| %RSD | | 439.900 | 265.700 | 49.840 | 86.150 | 17.940 | 32.700 | 3.619 | 4.022 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:28:39 | 88% | -0.047 | -0.036 | 0.470 | 0.441 | 0.464 | 84% | 15.070 |
| 2 | 17:29:47 | 85% | -0.039 | -0.044 | 0.499 | 0.460 | 0.474 | 82% | 15.790 |
| 3 | 17:30:55 | 88% | -0.043 | -0.044 | 0.472 | 0.395 | 0.453 | 85% | 14.740 |
| x | | 87% | -0.043 | -0.041 | 0.480 | 0.432 | 0.464 | 84% | 15.200 |
| σ | | 2% | 0.004 | 0.005 | 0.017 | 0.033 | 0.011 | 2% | 0.538 |
| %RSD | | 2 | 9.299 | 12.140 | 3.438 | 7.698 | 2.295 | 2 | 3.543 |

**C1868-16 MF3TA1** 05/01/2011 05:35:28 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:36:36 | 90% | -0.124 | 1143.000 | 0.000 | 231700.000 | 47710.000 | 47510.000 | 47210.000 | 1.291 |
| 2 | 17:37:44 | 89% | -0.095 | 1166.000 | 0.000 | 233400.000 | 48130.000 | 47770.000 | 47650.000 | 1.411 |
| 3 | 17:38:52 | 89% | -0.114 | 1173.000 | 0.000 | 229800.000 | 47510.000 | 47210.000 | 47280.000 | 0.950 |
| x | | 89% | -0.111 | 1161.000 | 0.000 | 231700.000 | 47780.000 | 47500.000 | 47380.000 | 1.217 |
| σ | | 1% | 0.015 | 15.560 | 0.000 | 1791.000 | 319.600 | 281.200 | 236.200 | 0.240 |
| %RSD | | 1 | 13.560 | 1.341 | 0.000 | 0.773 | 0.669 | 0.592 | 0.499 | 19.670 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:36:36 | 28910.000 | 3.384 | 0.000 | 0.000 | 5253.000 | 122300.000 | 136400.000 | 85% | 1.813 |
| 2 | 17:37:44 | 28660.000 | 7.445 | 0.000 | 0.000 | 5226.000 | 121300.000 | 134900.000 | 85% | 1.364 |
| 3 | 17:38:52 | 28930.000 | 3.415 | 0.000 | 0.000 | 5151.000 | 119300.000 | 134000.000 | 86% | 1.764 |
| x | | 28830.000 | 4.748 | 0.000 | 0.000 | 5210.000 | 120900.000 | 135100.000 | 85% | 1.647 |
| σ | | 149.000 | 2.336 | 0.000 | 0.000 | 53.000 | 1515.000 | 1203.000 | 1% | 0.246 |
| %RSD | | 0.517 | 49.190 | 0.000 | 0.000 | 1.017 | 1.252 | 0.890 | 1 | 14.950 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:36:36 | 89.710 | 2.565 | 215.100 | 24.400 | 0.403 | 28.000 | 446.000 | -0.030 | 1.718 |
| 2 | 17:37:44 | 89.630 | 2.602 | 226.800 | 21.810 | 0.331 | 27.730 | 419.100 | -0.060 | 1.736 |
| 3 | 17:38:52 | 86.400 | 2.755 | 230.500 | 19.130 | 0.375 | 26.260 | 438.500 | -0.018 | 1.510 |
| x | | 88.580 | 2.640 | 224.100 | 21.780 | 0.370 | 27.330 | 434.500 | -0.036 | 1.655 |
| σ | | 1.891 | 0.101 | 8.010 | 2.637 | 0.036 | 0.937 | 13.840 | 0.022 | 0.126 |
| %RSD | | 2.135 | 3.825 | 3.574 | 12.110 | 9.833 | 3.428 | 3.186 | 60.240 | 7.586 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:36:36 | 16.190 | 16.520 | 11.870 | 14.200 | 12.020 | 1.370 | 8.920 | 12.080 | -1.650 |
| 2 | 17:37:44 | 16.150 | 16.670 | 11.680 | 15.220 | 12.650 | 1.112 | 7.873 | 12.710 | -0.417 |
| 3 | 17:38:52 | 15.650 | 16.230 | 11.520 | 13.770 | 10.420 | 1.385 | 7.258 | 10.480 | 1.520 |
| x | | 16.000 | 16.480 | 11.690 | 14.400 | 11.700 | 1.289 | 8.017 | 11.760 | -0.182 |
| σ | | 0.300 | 0.223 | 0.171 | 0.747 | 1.148 | 0.153 | 0.840 | 1.152 | 1.598 |
| %RSD | | 1.875 | 1.354 | 1.466 | 5.190 | 9.819 | 11.900 | 10.480 | 9.803 | 876.400 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:36:36 | 2.021 | 3.166 | 2.886 | 2.977 | 2.861 | 0.011 | 78% | 0.319 | 0.018 |
| 2 | 17:37:44 | 1.848 | 3.048 | 2.871 | 3.144 | 3.206 | 0.011 | 79% | -1.352 | -0.005 |
| 3 | 17:38:52 | 1.824 | 2.973 | 2.780 | 3.316 | 2.956 | 0.007 | 80% | 0.139 | -0.015 |
| x | | 1.898 | 3.063 | 2.846 | 3.146 | 3.008 | 0.010 | 79% | -0.298 | -0.001 |
| σ | | 0.107 | 0.097 | 0.058 | 0.169 | 0.178 | 0.002 | 1% | 0.917 | 0.017 |
| %RSD | | 5.660 | 3.178 | 2.029 | 5.385 | 5.930 | 24.750 | 1 | 308.000 | 3356.000 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:36:36 | -0.153 | 0.302 | 0.005 | -0.060 | 0.019 | 0.028 | 35.580 | 36.810 | 86% |
| 2 | 17:37:44 | 0.703 | -1.365 | -0.002 | -0.147 | 0.034 | 0.010 | 37.370 | 35.640 | 86% |
| 3 | 17:38:52 | 0.003 | 0.125 | -0.013 | -0.055 | 0.054 | 0.054 | 37.330 | 36.100 | 87% |
| x | | 0.184 | -0.313 | -0.003 | -0.087 | 0.036 | 0.031 | 36.760 | 36.180 | 86% |
| σ | | 0.456 | 0.916 | 0.009 | 0.052 | 0.018 | 0.022 | 1.022 | 0.591 | 0% |
| %RSD | | 247.600 | 292.900 | 260.000 | 59.370 | 48.850 | 70.340 | 2.779 | 1.635 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:36:36 | 87% | -0.043 | -0.033 | 0.578 | 0.507 | 0.550 | 83% | 8.404 |
| 2 | 17:37:44 | 86% | -0.045 | -0.043 | 0.527 | 0.528 | 0.546 | 84% | 8.529 |
| 3 | 17:38:52 | 87% | -0.045 | -0.040 | 0.569 | 0.515 | 0.547 | 85% | 8.503 |
| x | | 87% | -0.045 | -0.038 | 0.558 | 0.516 | 0.548 | 84% | 8.479 |
| σ | | 0% | 0.001 | 0.005 | 0.028 | 0.011 | 0.002 | 1% | 0.066 |
| %RSD | | 0 | 2.689 | 13.790 | 4.942 | 2.108 | 0.369 | 1 | 0.777 |

**C1868-12X25 MF3TE0** 05/01/2011 05:43:26 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:44:34 | 101% | -0.146 | 59.750 | 0.000 | 7525.000 | 2563.000 | 2404.000 | 2463.000 | 0.042 |
| 2 | 17:45:42 | 102% | -0.112 | 49.390 | 0.000 | 7700.000 | 2579.000 | 2453.000 | 2468.000 | -0.014 |
| 3 | 17:46:51 | 101% | -0.120 | 56.810 | 0.000 | 7686.000 | 2576.000 | 2425.000 | 2459.000 | 0.280 |
| x | | 101% | -0.126 | 55.320 | 0.000 | 7637.000 | 2573.000 | 2427.000 | 2464.000 | 0.103 |
| σ | | 1% | 0.018 | 5.338 | 0.000 | 96.930 | 8.649 | 24.450 | 4.279 | 0.156 |
| %RSD | | 1 | 13.930 | 9.650 | 0.000 | 1.269 | 0.336 | 1.007 | 0.174 | 152.000 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:44:34 | 863.200 | 1.296 | 0.000 | 0.000 | 288.500 | 10370.000 | 10960.000 | 99% | -0.916 |
| 2 | 17:45:42 | 889.800 | -3.226 | 0.000 | 0.000 | 288.900 | 10380.000 | 11010.000 | 99% | -0.973 |
| 3 | 17:46:51 | 880.900 | -4.848 | 0.000 | 0.000 | 280.600 | 10340.000 | 10870.000 | 100% | -1.002 |
| x | | 878.000 | -2.260 | 0.000 | 0.000 | 286.000 | 10360.000 | 10950.000 | 100% | -0.964 |
| σ | | 13.530 | 3.184 | 0.000 | 0.000 | 4.717 | 20.060 | 74.890 | 1% | 0.044 |
| %RSD | | 1.541 | 140.900 | 0.000 | 0.000 | 1.649 | 0.194 | 0.684 | 1 | 4.535 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:44:34 | 1.668 | 0.080 | 37.930 | 2.375 | -0.060 | -0.953 | 31.970 | -0.055 | -0.005 |
| 2 | 17:45:42 | 0.642 | 0.124 | 37.390 | 0.204 | -0.059 | -0.640 | 36.130 | -0.047 | -0.005 |
| 3 | 17:46:51 | 0.808 | 0.096 | 33.710 | 0.907 | -0.036 | -1.311 | 39.960 | -0.048 | -0.006 |
| x | | 1.039 | 0.100 | 36.340 | 1.162 | -0.052 | -0.968 | 36.020 | -0.050 | -0.005 |
| σ | | 0.551 | 0.022 | 2.293 | 1.108 | 0.013 | 0.336 | 3.997 | 0.004 | 0.000 |
| %RSD | | 52.980 | 22.040 | 6.309 | 95.370 | 25.650 | 34.670 | 11.100 | 8.307 | 8.884 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:44:34 | 2.069 | 1.997 | 1.386 | 0.120 | 0.198 | 0.225 | -0.201 | 0.198 | 4.019 |
| 2 | 17:45:42 | 1.981 | 2.135 | 1.407 | 0.304 | 0.310 | 0.197 | 0.082 | 0.310 | 2.044 |
| 3 | 17:46:51 | 2.083 | 2.157 | 1.366 | 0.362 | 1.020 | 0.163 | 0.392 | 1.022 | -2.373 |
| x | | 2.044 | 2.096 | 1.386 | 0.262 | 0.510 | 0.195 | 0.091 | 0.510 | 1.230 |
| σ | | 0.055 | 0.086 | 0.020 | 0.127 | 0.446 | 0.031 | 0.297 | 0.447 | 3.273 |
| %RSD | | 2.695 | 4.125 | 1.468 | 48.350 | 87.500 | 15.890 | 324.600 | 87.600 | 266.100 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:44:34 | -0.039 | 0.001 | -0.019 | -0.011 | 0.016 | 0.002 | 98% | 0.956 | -0.025 |
| 2 | 17:45:42 | -0.034 | -0.013 | 0.026 | 0.004 | -0.009 | 0.006 | 98% | 0.820 | -0.027 |
| 3 | 17:46:51 | -0.034 | -0.003 | 0.006 | 0.013 | -0.012 | 0.006 | 97% | 0.891 | -0.028 |
| x | | -0.036 | -0.005 | 0.004 | 0.002 | -0.001 | 0.004 | 98% | 0.889 | -0.027 |
| σ | | 0.003 | 0.007 | 0.023 | 0.012 | 0.015 | 0.002 | 1% | 0.068 | 0.002 |
| %RSD | | 8.319 | 146.100 | 548.300 | 553.500 | 1049.000 | 43.360 | 1 | 7.646 | 5.761 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:44:34 | -0.575 | 0.957 | -0.023 | -0.012 | -0.018 | -0.055 | 0.673 | 0.774 | 98% |
| 2 | 17:45:42 | -0.402 | 0.822 | -0.027 | -0.031 | -0.062 | -0.052 | 0.684 | 0.811 | 98% |
| 3 | 17:46:51 | -0.539 | 0.891 | -0.025 | -0.016 | -0.069 | -0.056 | 0.700 | 0.874 | 98% |
| x | | -0.505 | 0.890 | -0.025 | -0.019 | -0.050 | -0.054 | 0.686 | 0.819 | 98% |
| σ | | 0.091 | 0.068 | 0.002 | 0.010 | 0.027 | 0.002 | 0.013 | 0.051 | 0% |
| %RSD | | 18.020 | 7.596 | 6.264 | 52.060 | 54.740 | 4.306 | 1.942 | 6.166 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:44:34 | 98% | -0.058 | -0.050 | 0.155 | 0.123 | 0.147 | 98% | 0.277 |
| 2 | 17:45:42 | 98% | -0.061 | -0.050 | 0.149 | 0.129 | 0.138 | 100% | 0.290 |
| 3 | 17:46:51 | 98% | -0.058 | -0.045 | 0.139 | 0.141 | 0.147 | 98% | 0.266 |
| x | | 98% | -0.059 | -0.048 | 0.148 | 0.131 | 0.144 | 99% | 0.278 |
| σ | | 0% | 0.002 | 0.003 | 0.008 | 0.009 | 0.005 | 1% | 0.012 |
| %RSD | | 0 | 2.851 | 5.982 | 5.593 | 7.050 | 3.670 | 1 | 4.291 |

**C1868-13X25 MF3T97** 05/01/2011 05:51:24 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:52:33 | 99% | -0.137 | 67.690 | 0.000 | 12940.000 | 2671.000 | 2561.000 | 2570.000 | -0.061 |
| 2 | 17:53:41 | 101% | -0.103 | 68.810 | 0.000 | 13150.000 | 2695.000 | 2562.000 | 2566.000 | -0.192 |
| 3 | 17:54:49 | 103% | -0.137 | 70.620 | 0.000 | 12670.000 | 2616.000 | 2513.000 | 2536.000 | -0.207 |
| x | | 101% | -0.126 | 69.040 | 0.000 | 12920.000 | 2661.000 | 2546.000 | 2557.000 | -0.153 |
| σ | | 2% | 0.020 | 1.483 | 0.000 | 240.400 | 40.690 | 27.960 | 18.420 | 0.080 |
| %RSD | | 2 | 15.600 | 2.148 | 0.000 | 1.861 | 1.529 | 1.099 | 0.720 | 52.330 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:52:33 | 1028.000 | -0.374 | 0.000 | 0.000 | 277.800 | 10700.000 | 11360.000 | 97% | -0.940 |
| 2 | 17:53:41 | 1046.000 | 1.626 | 0.000 | 0.000 | 281.000 | 11130.000 | 11680.000 | 96% | -0.792 |
| 3 | 17:54:49 | 1024.000 | 4.086 | 0.000 | 0.000 | 266.100 | 10490.000 | 11290.000 | 99% | -0.745 |
| x | | 1033.000 | 1.779 | 0.000 | 0.000 | 275.000 | 10770.000 | 11440.000 | 97% | -0.826 |
| σ | | 11.410 | 2.234 | 0.000 | 0.000 | 7.837 | 327.100 | 210.300 | 1% | 0.102 |
| %RSD | | 1.105 | 125.500 | 0.000 | 0.000 | 2.850 | 3.037 | 1.838 | 2 | 12.320 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:52:33 | 1.143 | 0.071 | 28.940 | 1.494 | -0.068 | -0.029 | 45.460 | -0.045 | 0.019 |
| 2 | 17:53:41 | 1.839 | 0.153 | 26.840 | 1.002 | -0.055 | 0.505 | 48.410 | -0.052 | 0.120 |
| 3 | 17:54:49 | 1.529 | 0.079 | 25.380 | -0.013 | -0.091 | -0.163 | 49.620 | -0.039 | 0.012 |
| x | | 1.504 | 0.101 | 27.060 | 0.828 | -0.071 | 0.104 | 47.830 | -0.045 | 0.050 |
| σ | | 0.349 | 0.045 | 1.789 | 0.769 | 0.019 | 0.354 | 2.136 | 0.006 | 0.060 |
| %RSD | | 23.180 | 44.310 | 6.613 | 92.850 | 26.030 | 339.000 | 4.465 | 14.220 | 119.800 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:52:33 | -0.062 | -0.002 | -0.274 | 0.167 | 0.599 | 0.180 | -0.195 | 0.601 | 1.895 |
| 2 | 17:53:41 | -0.064 | -0.039 | -0.149 | 0.181 | 1.068 | 0.173 | 0.212 | 1.070 | -1.344 |
| 3 | 17:54:49 | -0.076 | -0.051 | -0.124 | -0.092 | 0.883 | 0.202 | -0.072 | 0.884 | -1.394 |
| x | | -0.067 | -0.030 | -0.182 | 0.086 | 0.850 | 0.185 | -0.019 | 0.852 | -0.281 |
| σ | | 0.008 | 0.026 | 0.080 | 0.154 | 0.236 | 0.015 | 0.208 | 0.236 | 1.885 |
| %RSD | | 11.560 | 84.210 | 43.950 | 179.800 | 27.780 | 8.109 | 1126.000 | 27.740 | 670.600 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:52:33 | -0.031 | 0.015 | 0.049 | 0.065 | 0.018 | 0.020 | 92% | 0.991 | -0.021 |
| 2 | 17:53:41 | 0.000 | 0.059 | 0.005 | -0.022 | 0.015 | -0.001 | 92% | 1.387 | -0.025 |
| 3 | 17:54:49 | -0.043 | 0.012 | -0.023 | -0.001 | 0.004 | 0.002 | 96% | -0.160 | -0.019 |
| x | | -0.025 | 0.029 | 0.010 | 0.014 | 0.012 | 0.007 | 93% | 0.739 | -0.022 |
| σ | | 0.022 | 0.026 | 0.036 | 0.045 | 0.008 | 0.011 | 2% | 0.804 | 0.003 |
| %RSD | | 90.930 | 92.460 | 346.900 | 320.000 | 62.360 | 160.200 | 2 | 108.700 | 14.250 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:52:33 | -0.595 | 0.993 | -0.018 | -0.003 | -0.062 | -0.059 | 0.565 | 0.666 | 92% |
| 2 | 17:53:41 | -0.814 | 1.391 | -0.020 | 0.015 | -0.075 | -0.049 | 0.508 | 0.698 | 92% |
| 3 | 17:54:49 | 0.090 | -0.159 | -0.019 | -0.073 | -0.059 | -0.059 | 0.595 | 0.546 | 95% |
| x | | -0.440 | 0.742 | -0.019 | -0.020 | -0.065 | -0.056 | 0.556 | 0.637 | 93% |
| σ | | 0.472 | 0.805 | 0.001 | 0.046 | 0.008 | 0.006 | 0.044 | 0.080 | 1% |
| %RSD | | 107.200 | 108.600 | 4.756 | 230.600 | 12.800 | 10.770 | 7.961 | 12.580 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 17:52:33 | 93% | -0.046 | -0.046 | -0.077 | -0.069 | -0.073 | 92% | 0.398 |
| 2 | 17:53:41 | 92% | -0.043 | -0.045 | -0.081 | -0.064 | -0.070 | 91% | 0.425 |
| 3 | 17:54:49 | 94% | -0.056 | -0.049 | -0.079 | -0.067 | -0.073 | 95% | 0.391 |
| x | | 93% | -0.048 | -0.046 | -0.079 | -0.067 | -0.072 | 93% | 0.405 |
| σ | | 1% | 0.007 | 0.002 | 0.002 | 0.002 | 0.002 | 2% | 0.018 |
| %RSD | | 1 | 14.080 | 3.971 | 2.595 | 3.544 | 2.788 | 2 | 4.383 |

**C1868-14X25 MF3T99** 05/01/2011 05:59:29 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:00:44 | 100% | -0.119 | 62.510 | 0.000 | 13300.000 | 2758.000 | 2651.000 | 2649.000 | -0.122 |
| 2 | 18:02:06 | 100% | -0.120 | 62.770 | 0.000 | 13220.000 | 2709.000 | 2580.000 | 2640.000 | -0.442 |
| 3 | 18:03:15 | 101% | -0.146 | 56.900 | 0.000 | 13180.000 | 2704.000 | 2581.000 | 2603.000 | -0.197 |
| x | | 100% | -0.128 | 60.730 | 0.000 | 13230.000 | 2723.000 | 2604.000 | 2631.000 | -0.254 |
| σ | | 1% | 0.015 | 3.316 | 0.000 | 58.210 | 29.610 | 40.650 | 24.490 | 0.167 |
| %RSD | | 1 | 11.690 | 5.461 | 0.000 | 0.440 | 1.087 | 1.561 | 0.931 | 65.940 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:00:44 | 1080.000 | -1.184 | 0.000 | 0.000 | 256.600 | 9850.000 | 10340.000 | 96% | -0.851 |
| 2 | 18:02:06 | 1060.000 | 3.029 | 0.000 | 0.000 | 250.600 | 9655.000 | 10230.000 | 98% | -0.884 |
| 3 | 18:03:15 | 1059.000 | 6.394 | 0.000 | 0.000 | 250.600 | 9731.000 | 10240.000 | 98% | -0.511 |
| x | | 1066.000 | 2.746 | 0.000 | 0.000 | 252.600 | 9745.000 | 10270.000 | 97% | -0.748 |
| σ | | 11.890 | 3.797 | 0.000 | 0.000 | 3.412 | 98.100 | 61.450 | 1% | 0.207 |
| %RSD | | 1.116 | 138.300 | 0.000 | 0.000 | 1.351 | 1.007 | 0.598 | 1 | 27.590 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:00:44 | 1.887 | 0.059 | 22.270 | 0.357 | -0.087 | -0.181 | 37.970 | -0.040 | -0.043 |
| 2 | 18:02:06 | 1.685 | 0.076 | 21.090 | 3.051 | -0.090 | -0.121 | 46.590 | -0.045 | 0.001 |
| 3 | 18:03:15 | 0.623 | 0.073 | 22.480 | -0.681 | -0.096 | -0.799 | 38.550 | -0.045 | 0.068 |
| x | | 1.398 | 0.069 | 21.950 | 0.909 | -0.091 | -0.367 | 41.040 | -0.043 | 0.009 |
| σ | | 0.679 | 0.009 | 0.746 | 1.926 | 0.005 | 0.376 | 4.816 | 0.003 | 0.055 |
| %RSD | | 48.580 | 13.110 | 3.401 | 212.000 | 5.262 | 102.400 | 11.740 | 6.947 | 645.700 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:00:44 | 0.008 | -0.002 | 0.611 | 0.125 | 0.053 | 0.170 | -0.229 | 0.053 | 1.483 |
| 2 | 18:02:06 | -0.022 | 0.033 | 0.387 | 0.285 | 0.552 | 0.136 | 0.514 | 0.554 | -2.657 |
| 3 | 18:03:15 | -0.011 | 0.069 | 0.478 | 0.081 | 0.357 | 0.160 | 0.586 | 0.358 | -0.148 |
| x | | -0.008 | 0.034 | 0.492 | 0.163 | 0.321 | 0.155 | 0.290 | 0.321 | -0.441 |
| σ | | 0.015 | 0.036 | 0.113 | 0.107 | 0.252 | 0.018 | 0.451 | 0.252 | 2.086 |
| %RSD | | 184.100 | 106.200 | 22.890 | 65.640 | 78.480 | 11.320 | 155.500 | 78.500 | 473.100 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:00:44 | -0.027 | -0.001 | -0.009 | 0.047 | 0.011 | -0.001 | 94% | -0.669 | -0.023 |
| 2 | 18:02:06 | -0.037 | 0.028 | 0.025 | -0.023 | 0.037 | 0.002 | 94% | 1.901 | -0.026 |
| 3 | 18:03:15 | -0.017 | 0.003 | 0.024 | -0.000 | 0.010 | 0.002 | 95% | 1.225 | -0.026 |
| x | | -0.027 | 0.010 | 0.014 | 0.008 | 0.019 | 0.001 | 94% | 0.819 | -0.025 |
| σ | | 0.010 | 0.016 | 0.019 | 0.036 | 0.015 | 0.002 | 1% | 1.332 | 0.002 |
| %RSD | | 36.730 | 157.300 | 141.800 | 437.000 | 79.900 | 165.200 | 1 | 162.600 | 7.398 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:00:44 | 0.372 | -0.669 | -0.020 | -0.117 | -0.065 | -0.056 | 0.661 | 0.706 | 93% |
| 2 | 18:02:06 | -1.097 | 1.904 | -0.018 | 0.059 | -0.084 | -0.059 | 0.650 | 0.779 | 94% |
| 3 | 18:03:15 | -0.725 | 1.230 | -0.023 | 0.005 | -0.077 | -0.051 | 0.795 | 0.818 | 94% |
| x | | -0.483 | 0.822 | -0.021 | -0.017 | -0.076 | -0.055 | 0.702 | 0.768 | 94% |
| σ | | 0.764 | 1.334 | 0.003 | 0.090 | 0.009 | 0.004 | 0.081 | 0.057 | 1% |
| %RSD | | 158.000 | 162.400 | 12.240 | 516.500 | 12.580 | 7.357 | 11.500 | 7.384 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:00:44 | 93% | -0.050 | -0.045 | -0.068 | -0.061 | -0.060 | 93% | 0.429 |
| 2 | 18:02:06 | 95% | -0.057 | -0.045 | -0.072 | -0.052 | -0.061 | 94% | 0.416 |
| 3 | 18:03:15 | 95% | -0.053 | -0.046 | -0.065 | -0.057 | -0.064 | 96% | 0.423 |
| x | | 94% | -0.053 | -0.045 | -0.068 | -0.057 | -0.062 | 94% | 0.423 |
| σ | | 1% | 0.004 | 0.001 | 0.004 | 0.005 | 0.002 | 1% | 0.007 |
| %RSD | | 1 | 7.143 | 1.960 | 5.597 | 8.328 | 2.945 | 1 | 1.569 |

**C1868-15X25 MF3TA0** 05/01/2011 06:07:57 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:09:06 | 93% | -0.117 | 55.130 | 0.000 | 10090.000 | 2066.000 | 1962.000 | 1958.000 | -0.145 |
| 2 | 18:10:14 | 94% | -0.153 | 57.110 | 0.000 | 9648.000 | 1962.000 | 1844.000 | 1880.000 | -0.212 |
| 3 | 18:11:22 | 96% | -0.127 | 57.140 | 0.000 | 9511.000 | 1940.000 | 1836.000 | 1861.000 | -0.042 |
| x | | 95% | -0.132 | 56.460 | 0.000 | 9748.000 | 1989.000 | 1880.000 | 1900.000 | -0.133 |
| σ | | 1% | 0.019 | 1.152 | 0.000 | 300.000 | 67.520 | 70.460 | 51.100 | 0.086 |
| %RSD | | 1 | 14.400 | 2.041 | 0.000 | 3.078 | 3.394 | 3.747 | 2.690 | 64.510 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:09:06 | 886.800 | 5.562 | 0.000 | 0.000 | 269.500 | 5681.000 | 6093.000 | 91% | -0.928 |
| 2 | 18:10:14 | 855.600 | -1.565 | 0.000 | 0.000 | 251.400 | 5305.000 | 5806.000 | 93% | -0.632 |
| 3 | 18:11:22 | 845.700 | -2.687 | 0.000 | 0.000 | 253.400 | 5560.000 | 5837.000 | 93% | -0.690 |
| x | | 862.700 | 0.437 | 0.000 | 0.000 | 258.100 | 5515.000 | 5912.000 | 92% | -0.750 |
| σ | | 21.470 | 4.474 | 0.000 | 0.000 | 9.921 | 192.100 | 157.600 | 1% | 0.157 |
| %RSD | | 2.488 | 1024.000 | 0.000 | 0.000 | 3.844 | 3.483 | 2.667 | 1 | 20.950 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:09:06 | 0.904 | 0.262 | 21.760 | 3.949 | -0.057 | 2.358 | 20.440 | -0.039 | -0.065 |
| 2 | 18:10:14 | 1.244 | 0.251 | 20.770 | 3.220 | -0.067 | 1.104 | 16.190 | -0.048 | -0.038 |
| 3 | 18:11:22 | 1.398 | 0.339 | 19.980 | 1.720 | -0.080 | 2.093 | 20.710 | -0.055 | -0.052 |
| x | | 1.182 | 0.284 | 20.840 | 2.963 | -0.068 | 1.852 | 19.110 | -0.047 | -0.052 |
| σ | | 0.253 | 0.048 | 0.894 | 1.137 | 0.012 | 0.661 | 2.537 | 0.008 | 0.014 |
| %RSD | | 21.410 | 16.890 | 4.292 | 38.360 | 17.560 | 35.680 | 13.270 | 16.330 | 26.110 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:09:06 | 0.118 | 0.174 | -0.155 | 0.148 | 0.824 | 0.116 | 0.101 | 0.822 | -3.143 |
| 2 | 18:10:14 | 0.142 | 0.138 | -0.033 | -0.192 | 0.409 | 0.171 | -0.252 | 0.408 | -2.766 |
| 3 | 18:11:22 | 0.164 | 0.180 | -0.096 | -0.259 | -0.104 | 0.188 | -0.091 | -0.104 | 0.292 |
| x | | 0.141 | 0.164 | -0.094 | -0.101 | 0.376 | 0.159 | -0.081 | 0.376 | -1.872 |
| σ | | 0.023 | 0.023 | 0.061 | 0.219 | 0.465 | 0.037 | 0.177 | 0.464 | 1.884 |
| %RSD | | 16.280 | 13.730 | 64.550 | 216.400 | 123.500 | 23.560 | 218.700 | 123.500 | 100.600 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:09:06 | 0.002 | 0.158 | 0.104 | 0.156 | 0.138 | 0.002 | 91% | 1.133 | -0.020 |
| 2 | 18:10:14 | 0.052 | 0.079 | 0.104 | 0.087 | 0.104 | 0.002 | 93% | 1.198 | -0.022 |
| 3 | 18:11:22 | 0.027 | 0.115 | 0.110 | 0.105 | 0.117 | 0.002 | 92% | -0.333 | -0.023 |
| x | | 0.027 | 0.117 | 0.106 | 0.116 | 0.120 | 0.002 | 92% | 0.666 | -0.021 |
| σ | | 0.025 | 0.040 | 0.004 | 0.035 | 0.017 | 0.000 | 1% | 0.866 | 0.002 |
| %RSD | | 91.550 | 33.890 | 3.370 | 30.530 | 14.460 | 1.699 | 1 | 130.000 | 7.946 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:09:06 | -0.673 | 1.135 | -0.027 | 0.019 | -0.068 | -0.064 | 1.415 | 1.264 | 91% |
| 2 | 18:10:14 | -0.710 | 1.201 | -0.020 | 0.016 | -0.059 | -0.064 | 1.057 | 1.286 | 93% |
| 3 | 18:11:22 | 0.190 | -0.337 | -0.022 | -0.090 | -0.073 | -0.064 | 1.132 | 1.167 | 94% |
| x | | -0.398 | 0.666 | -0.023 | -0.018 | -0.067 | -0.064 | 1.201 | 1.239 | 93% |
| σ | | 0.509 | 0.870 | 0.003 | 0.062 | 0.007 | 0.000 | 0.189 | 0.063 | 1% |
| %RSD | | 128.000 | 130.500 | 15.130 | 340.000 | 10.620 | 0.222 | 15.720 | 5.097 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:09:06 | 91% | -0.047 | -0.044 | -0.072 | -0.062 | -0.059 | 92% | 0.554 |
| 2 | 18:10:14 | 93% | -0.054 | -0.046 | -0.062 | -0.062 | -0.064 | 94% | 0.547 |
| 3 | 18:11:22 | 93% | -0.055 | -0.045 | -0.062 | -0.063 | -0.062 | 95% | 0.542 |
| x | | 92% | -0.052 | -0.045 | -0.065 | -0.062 | -0.062 | 94% | 0.547 |
| σ | | 1% | 0.004 | 0.001 | 0.005 | 0.001 | 0.002 | 2% | 0.006 |
| %RSD | | 2 | 8.449 | 2.560 | 8.193 | 1.160 | 3.457 | 2 | 1.091 |

**C1868-16X25 MF3TA1** 05/01/2011 06:15:57 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:17:05 | 93% | -0.135 | 62.560 | 0.000 | 10160.000 | 2120.000 | 2027.000 | 2034.000 | 0.580 |
| 2 | 18:18:13 | 94% | -0.126 | 54.560 | 0.000 | 9837.000 | 2044.000 | 1952.000 | 1980.000 | 0.465 |
| 3 | 18:19:22 | 94% | -0.135 | 49.610 | 0.000 | 9896.000 | 2056.000 | 1979.000 | 1986.000 | 0.391 |
| x | | 94% | -0.132 | 55.580 | 0.000 | 9963.000 | 2073.000 | 1986.000 | 2000.000 | 0.479 |
| σ | | 1% | 0.005 | 6.534 | 0.000 | 169.600 | 40.870 | 38.140 | 29.260 | 0.095 |
| %RSD | | 1 | 3.991 | 11.760 | 0.000 | 1.702 | 1.971 | 1.921 | 1.463 | 19.860 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:17:05 | 1270.000 | 2.831 | 0.000 | 0.000 | 208.700 | 5293.000 | 5414.000 | 89% | -0.705 |
| 2 | 18:18:13 | 1238.000 | 3.425 | 0.000 | 0.000 | 193.600 | 5087.000 | 5329.000 | 91% | -0.620 |
| 3 | 18:19:22 | 1237.000 | 2.496 | 0.000 | 0.000 | 194.900 | 5003.000 | 5296.000 | 91% | -0.653 |
| x | | 1248.000 | 2.917 | 0.000 | 0.000 | 199.000 | 5128.000 | 5346.000 | 91% | -0.659 |
| σ | | 19.060 | 0.470 | 0.000 | 0.000 | 8.373 | 149.200 | 60.990 | 1% | 0.043 |
| %RSD | | 1.527 | 16.120 | 0.000 | 0.000 | 4.207 | 2.909 | 1.141 | 1 | 6.497 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:17:05 | 4.025 | 0.153 | 18.910 | 5.519 | -0.055 | 3.143 | 21.080 | -0.046 | -0.028 |
| 2 | 18:18:13 | 2.873 | 0.120 | 19.980 | 4.960 | -0.048 | 2.208 | 18.110 | -0.045 | -0.016 |
| 3 | 18:19:22 | 3.445 | 0.173 | 18.970 | 0.294 | -0.035 | 2.586 | 17.100 | -0.043 | -0.081 |
| x | | 3.448 | 0.149 | 19.290 | 3.591 | -0.046 | 2.646 | 18.760 | -0.045 | -0.042 |
| σ | | 0.576 | 0.027 | 0.602 | 2.869 | 0.010 | 0.470 | 2.067 | 0.002 | 0.035 |
| %RSD | | 16.700 | 18.200 | 3.119 | 79.900 | 21.660 | 17.780 | 11.020 | 3.642 | 83.140 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:17:05 | 0.656 | 0.583 | 0.243 | 0.497 | 0.514 | 0.128 | -0.225 | 0.514 | -2.279 |
| 2 | 18:18:13 | 0.609 | 0.651 | 0.281 | 0.269 | -0.433 | 0.144 | -0.153 | -0.433 | 1.280 |
| 3 | 18:19:22 | 0.502 | 0.627 | 0.276 | 0.476 | -0.675 | 0.153 | 0.263 | -0.676 | 2.446 |
| x | | 0.589 | 0.620 | 0.267 | 0.414 | -0.198 | 0.142 | -0.039 | -0.198 | 0.482 |
| σ | | 0.079 | 0.034 | 0.021 | 0.126 | 0.629 | 0.013 | 0.263 | 0.629 | 2.461 |
| %RSD | | 13.390 | 5.512 | 7.823 | 30.510 | 317.500 | 8.939 | 683.800 | 317.200 | 510.400 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:17:05 | 0.011 | 0.065 | 0.068 | 0.032 | 0.116 | -0.001 | 88% | 0.689 | -0.025 |
| 2 | 18:18:13 | 0.020 | 0.111 | 0.030 | 0.047 | 0.105 | 0.010 | 89% | 0.841 | -0.021 |
| 3 | 18:19:22 | -0.040 | 0.089 | 0.057 | 0.046 | 0.086 | 0.003 | 89% | 1.107 | -0.025 |
| x | | -0.003 | 0.088 | 0.052 | 0.041 | 0.102 | 0.004 | 89% | 0.879 | -0.023 |
| σ | | 0.032 | 0.023 | 0.019 | 0.008 | 0.015 | 0.006 | 1% | 0.212 | 0.002 |
| %RSD | | 1154.000 | 25.510 | 37.340 | 20.500 | 15.070 | 147.900 | 1 | 24.100 | 8.297 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:17:05 | -0.429 | 0.691 | -0.021 | -0.028 | -0.061 | -0.062 | 1.256 | 1.278 | 88% |
| 2 | 18:18:13 | -0.511 | 0.840 | -0.015 | -0.019 | -0.070 | -0.060 | 1.078 | 1.203 | 90% |
| 3 | 18:19:22 | -0.658 | 1.108 | -0.025 | 0.011 | -0.053 | -0.058 | 1.246 | 1.039 | 90% |
| x | | -0.532 | 0.880 | -0.020 | -0.012 | -0.061 | -0.060 | 1.193 | 1.173 | 89% |
| σ | | 0.117 | 0.212 | 0.005 | 0.020 | 0.009 | 0.002 | 0.100 | 0.122 | 1% |
| %RSD | | 21.870 | 24.050 | 25.980 | 170.400 | 13.910 | 2.702 | 8.390 | 10.430 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:17:05 | 89% | -0.049 | -0.048 | -0.052 | -0.066 | -0.058 | 89% | 0.287 |
| 2 | 18:18:13 | 90% | -0.054 | -0.043 | -0.058 | -0.044 | -0.052 | 91% | 0.270 |
| 3 | 18:19:22 | 91% | -0.051 | -0.044 | -0.053 | -0.046 | -0.051 | 91% | 0.269 |
| x | | 90% | -0.051 | -0.045 | -0.054 | -0.052 | -0.054 | 91% | 0.276 |
| σ | | 1% | 0.003 | 0.003 | 0.003 | 0.012 | 0.004 | 1% | 0.010 |
| %RSD | | 1 | 5.345 | 6.706 | 5.145 | 23.250 | 7.378 | 1 | 3.680 |

**CCV** 05/01/2011 06:23:53 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:25:01 | 82% | 535.400 | 529.700 | 0.000 | 52010.000 | 52170.000 | 51790.000 | 51500.000 | 10480.000 |
| 2 | 18:26:09 | 84% | 503.300 | 515.700 | 0.000 | 49700.000 | 49310.000 | 49160.000 | 49310.000 | 9952.000 |
| 3 | 18:27:17 | 81% | 534.400 | 525.600 | 0.000 | 51950.000 | 52200.000 | 51490.000 | 51170.000 | 10490.000 |
| x | | 82% | 524.400 | 523.600 | 0.000 | 51220.000 | 51230.000 | 50820.000 | 50660.000 | 10310.000 |
| σ | | 2% | 18.270 | 7.184 | 0.000 | 1315.000 | 1660.000 | 1442.000 | 1182.000 | 307.800 |
| %RSD | | 2 | 3.485 | 1.372 | 0.000 | 2.568 | 3.241 | 2.837 | 2.334 | 2.986 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:25:01 | 528.600 | 10470.000 | 0.000 | 0.000 | 25980.000 | 51370.000 | 49350.000 | 82% | 501.000 |
| 2 | 18:26:09 | 508.600 | 9951.000 | 0.000 | 0.000 | 24850.000 | 49080.000 | 47390.000 | 82% | 481.400 |
| 3 | 18:27:17 | 526.600 | 10380.000 | 0.000 | 0.000 | 26110.000 | 52240.000 | 49680.000 | 80% | 512.300 |
| x | | 521.300 | 10270.000 | 0.000 | 0.000 | 25650.000 | 50900.000 | 48810.000 | 81% | 498.200 |
| σ | | 11.020 | 276.700 | 0.000 | 0.000 | 690.300 | 1631.000 | 1235.000 | 1% | 15.630 |
| %RSD | | 2.115 | 2.695 | 0.000 | 0.000 | 2.692 | 3.205 | 2.531 | 2 | 3.137 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:25:01 | 499.700 | 499.600 | 22.990 | 25620.000 | 1001.000 | 25430.000 | 25750.000 | 502.900 | 504.300 |
| 2 | 18:26:09 | 481.100 | 479.600 | 20.610 | 24600.000 | 964.100 | 24220.000 | 24680.000 | 483.300 | 491.900 |
| 3 | 18:27:17 | 505.700 | 503.900 | 22.270 | 25930.000 | 1008.000 | 25690.000 | 25880.000 | 507.100 | 518.500 |
| x | | 495.500 | 494.400 | 21.960 | 25380.000 | 991.300 | 25110.000 | 25440.000 | 497.800 | 504.900 |
| σ | | 12.820 | 12.990 | 1.219 | 697.800 | 23.810 | 781.900 | 662.900 | 12.710 | 13.280 |
| %RSD | | 2.587 | 2.627 | 5.551 | 2.749 | 2.402 | 3.113 | 2.606 | 2.553 | 2.631 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:25:01 | 1025.000 | 1019.000 | 982.100 | 510.000 | 505.100 | -1.528 | 503.000 | 506.100 | 2.900 |
| 2 | 18:26:09 | 964.300 | 962.300 | 952.400 | 483.200 | 490.100 | -2.181 | 477.200 | 490.600 | 1.387 |
| 3 | 18:27:17 | 1016.000 | 1023.000 | 997.000 | 504.600 | 506.700 | -1.010 | 511.300 | 507.100 | 3.503 |
| x | | 1002.000 | 1001.000 | 977.200 | 499.300 | 500.600 | -1.573 | 497.200 | 501.300 | 2.597 |
| σ | | 32.810 | 33.870 | 22.730 | 14.200 | 9.186 | 0.587 | 17.750 | 9.256 | 1.090 |
| %RSD | | 3.275 | 3.382 | 2.326 | 2.844 | 1.835 | 37.300 | 3.570 | 1.847 | 41.980 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:25:01 | 480.800 | 489.800 | 484.600 | 486.100 | 490.700 | 0.007 | 79% | 490.200 | 502.600 |
| 2 | 18:26:09 | 461.600 | 473.500 | 474.200 | 479.000 | 471.900 | 0.003 | 80% | 459.900 | 486.200 |
| 3 | 18:27:17 | 486.100 | 498.600 | 501.800 | 498.300 | 501.300 | 0.011 | 78% | 495.200 | 508.400 |
| x | | 476.200 | 487.300 | 486.800 | 487.800 | 488.000 | 0.007 | 79% | 481.800 | 499.100 |
| σ | | 12.880 | 12.720 | 13.940 | 9.757 | 14.900 | 0.004 | 1% | 19.100 | 11.510 |
| %RSD | | 2.705 | 2.610 | 2.864 | 2.000 | 3.055 | 58.870 | 1 | 3.964 | 2.307 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:25:01 | -8.108 | 490.800 | 501.700 | 492.300 | 425.300 | 488.200 | 2516.000 | 2520.000 | 82% |
| 2 | 18:26:09 | 7.112 | 460.300 | 482.700 | 474.800 | 410.200 | 473.600 | 2407.000 | 2408.000 | 84% |
| 3 | 18:27:17 | 2.334 | 495.500 | 506.000 | 494.800 | 431.900 | 498.500 | 2522.000 | 2518.000 | 83% |
| x | | 0.446 | 482.200 | 496.800 | 487.300 | 422.400 | 486.800 | 2482.000 | 2482.000 | 83% |
| σ | | 7.784 | 19.110 | 12.410 | 10.870 | 11.120 | 12.500 | 64.790 | 63.940 | 1% |
| %RSD | | 1744.000 | 3.964 | 2.499 | 2.231 | 2.633 | 2.568 | 2.611 | 2.576 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:25:01 | 84% | 500.400 | 500.800 | 501.400 | 498.500 | 501.000 | 82% | 513.400 |
| 2 | 18:26:09 | 86% | 483.500 | 482.200 | 481.100 | 480.100 | 481.200 | 84% | 485.600 |
| 3 | 18:27:17 | 83% | 505.400 | 505.400 | 505.500 | 508.400 | 507.800 | 82% | 511.600 |
| x | | 84% | 496.400 | 496.100 | 496.000 | 495.700 | 496.700 | 83% | 503.500 |
| σ | | 1% | 11.470 | 12.290 | 13.050 | 14.370 | 13.850 | 1% | 15.580 |
| %RSD | | 2 | 2.310 | 2.476 | 2.631 | 2.899 | 2.789 | 2 | 3.093 |

**CCB** 05/01/2011 06:31:49 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:32:57 | 84% | 0.318 | 11.370 | 0.000 | 94.360 | 42.480 | 42.710 | 40.440 | 7.712 |
| 2 | 18:34:05 | 85% | 0.262 | 7.623 | 0.000 | 74.990 | 32.660 | 32.980 | 34.250 | 6.131 |
| 3 | 18:35:13 | 85% | 0.049 | 7.410 | 0.000 | 51.720 | 17.570 | 17.140 | 18.060 | 3.379 |
| x | | 85% | 0.210 | 8.801 | 0.000 | 73.690 | 30.900 | 30.940 | 30.920 | 5.741 |
| σ | | 1% | 0.142 | 2.227 | 0.000 | 21.350 | 12.550 | 12.910 | 11.560 | 2.192 |
| %RSD | | 1 | 67.800 | 25.300 | 0.000 | 28.970 | 40.610 | 41.710 | 37.370 | 38.190 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:32:57 | 1.734 | 12.020 | 0.000 | 0.000 | 24.330 | 40.770 | -12.850 | 83% | -0.066 |
| 2 | 18:34:05 | 1.167 | 8.332 | 0.000 | 0.000 | 14.710 | 52.160 | -18.730 | 84% | 0.399 |
| 3 | 18:35:13 | 1.348 | 11.430 | 0.000 | 0.000 | 2.383 | 18.740 | -42.150 | 84% | 0.296 |
| x | | 1.416 | 10.590 | 0.000 | 0.000 | 13.810 | 37.220 | -24.570 | 83% | 0.210 |
| σ | | 0.290 | 1.981 | 0.000 | 0.000 | 11.000 | 16.990 | 15.500 | 0% | 0.244 |
| %RSD | | 20.470 | 18.700 | 0.000 | 0.000 | 79.670 | 45.650 | 63.070 | 0 | 116.400 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:32:57 | 0.496 | 0.363 | 14.560 | 21.650 | 0.727 | 16.180 | 23.380 | 0.375 | 0.321 |
| 2 | 18:34:05 | 0.233 | 0.389 | 13.450 | 15.650 | 0.613 | 11.920 | 20.680 | 0.324 | 0.177 |
| 3 | 18:35:13 | 0.401 | 0.115 | 12.870 | 9.558 | 0.320 | 5.685 | 7.821 | 0.137 | 0.045 |
| x | | 0.377 | 0.289 | 13.630 | 15.620 | 0.553 | 11.260 | 17.290 | 0.279 | 0.181 |
| σ | | 0.133 | 0.151 | 0.860 | 6.046 | 0.210 | 5.281 | 8.313 | 0.125 | 0.138 |
| %RSD | | 35.340 | 52.390 | 6.312 | 38.710 | 37.910 | 46.890 | 48.070 | 44.940 | 76.030 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:32:57 | 0.740 | 0.616 | 0.470 | 0.470 | 0.637 | 0.067 | 0.288 | 0.636 | -1.010 |
| 2 | 18:34:05 | 0.484 | 0.481 | 0.454 | 0.291 | -0.025 | 0.079 | -0.337 | -0.024 | 0.223 |
| 3 | 18:35:13 | 0.268 | 0.300 | 0.304 | 0.103 | 0.545 | 0.083 | -0.850 | 0.544 | -4.047 |
| x | | 0.498 | 0.465 | 0.409 | 0.288 | 0.386 | 0.076 | -0.300 | 0.385 | -1.611 |
| σ | | 0.236 | 0.158 | 0.092 | 0.183 | 0.358 | 0.008 | 0.570 | 0.358 | 2.198 |
| %RSD | | 47.500 | 34.030 | 22.410 | 63.610 | 92.870 | 11.040 | 190.100 | 92.880 | 136.400 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:32:57 | 0.752 | 1.140 | 0.936 | 1.165 | 1.030 | 0.007 | 83% | -0.370 | 0.554 |
| 2 | 18:34:05 | 0.467 | 0.747 | 0.617 | 0.748 | 0.733 | 0.007 | 84% | 0.501 | 0.399 |
| 3 | 18:35:13 | 0.369 | 0.352 | 0.535 | 0.566 | 0.522 | 0.011 | 84% | 1.638 | 0.130 |
| x | | 0.529 | 0.746 | 0.696 | 0.827 | 0.762 | 0.008 | 84% | 0.590 | 0.361 |
| σ | | 0.199 | 0.394 | 0.212 | 0.307 | 0.255 | 0.002 | 0% | 1.007 | 0.215 |
| %RSD | | 37.530 | 52.830 | 30.450 | 37.140 | 33.480 | 27.880 | 0 | 170.700 | 59.470 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:32:57 | 0.563 | -0.376 | 0.555 | 0.253 | 0.560 | 0.879 | 2.079 | 1.973 | 86% |
| 2 | 18:34:05 | -0.265 | 0.497 | 0.309 | 0.356 | 0.296 | 0.539 | 1.457 | 1.576 | 86% |
| 3 | 18:35:13 | -0.776 | 1.633 | 0.161 | 0.194 | 0.221 | 0.380 | 0.577 | 0.856 | 87% |
| x | | -0.159 | 0.585 | 0.342 | 0.268 | 0.359 | 0.599 | 1.371 | 1.468 | 87% |
| σ | | 0.675 | 1.008 | 0.199 | 0.082 | 0.178 | 0.255 | 0.755 | 0.566 | 1% |
| %RSD | | 424.300 | 172.300 | 58.160 | 30.740 | 49.620 | 42.480 | 55.060 | 38.550 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:32:57 | 86% | 0.531 | 0.526 | 0.367 | 0.406 | 0.382 | 87% | 0.362 |
| 2 | 18:34:05 | 87% | 0.368 | 0.360 | 0.261 | 0.291 | 0.268 | 89% | 0.288 |
| 3 | 18:35:13 | 87% | 0.111 | 0.181 | 0.096 | 0.107 | 0.106 | 89% | 0.160 |
| x | | 87% | 0.337 | 0.356 | 0.241 | 0.268 | 0.252 | 88% | 0.270 |
| σ | | 1% | 0.212 | 0.172 | 0.137 | 0.151 | 0.139 | 1% | 0.102 |
| %RSD | | 1 | 62.930 | 48.460 | 56.620 | 56.200 | 55.070 | 1 | 37.940 |

**C1868-17 MF3TA3** 05/01/2011 06:39:46 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:40:54 | 80% | 0.084 | 874.800 | 0.000 | 241000.000 | 39370.000 | 39100.000 | 38580.000 | 4.353 |
| 2 | 18:42:02 | 84% | 0.053 | 907.000 | 0.000 | 247000.000 | 40640.000 | 40320.000 | 39940.000 | 3.065 |
| 3 | 18:43:10 | 90% | -0.009 | 883.600 | 0.000 | 234800.000 | 38680.000 | 38360.000 | 38180.000 | 2.380 |
| x | | 84% | 0.043 | 888.500 | 0.000 | 240900.000 | 39560.000 | 39260.000 | 38900.000 | 3.266 |
| σ | | 5% | 0.047 | 16.610 | 0.000 | 6102.000 | 993.600 | 992.400 | 924.600 | 1.002 |
| %RSD | | 6 | 111.000 | 1.869 | 0.000 | 2.533 | 2.511 | 2.528 | 2.377 | 30.680 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:40:54 | 25790.000 | 20.100 | 0.000 | 0.000 | 6989.000 | 140000.000 | 156400.000 | 78% | 1.532 |
| 2 | 18:42:02 | 25710.000 | 15.950 | 0.000 | 0.000 | 7294.000 | 145800.000 | 162100.000 | 80% | 1.075 |
| 3 | 18:43:10 | 23730.000 | 14.550 | 0.000 | 0.000 | 6910.000 | 136000.000 | 154100.000 | 86% | 1.541 |
| x | | 25070.000 | 16.860 | 0.000 | 0.000 | 7064.000 | 140600.000 | 157500.000 | 81% | 1.383 |
| σ | | 1166.000 | 2.885 | 0.000 | 0.000 | 203.100 | 4898.000 | 4148.000 | 4% | 0.267 |
| %RSD | | 4.651 | 17.110 | 0.000 | 0.000 | 2.875 | 3.483 | 2.633 | 5 | 19.300 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:40:54 | -1.451 | 2.514 | 185.500 | 8.576 | 0.619 | 14.830 | 494.100 | 0.133 | 2.777 |
| 2 | 18:42:02 | -4.286 | 2.722 | 204.300 | 5.891 | 0.467 | 13.300 | 534.500 | 0.094 | 3.347 |
| 3 | 18:43:10 | -1.167 | 2.398 | 195.500 | 5.176 | 0.389 | 10.070 | 518.200 | 0.030 | 3.097 |
| x | | -2.301 | 2.545 | 195.100 | 6.548 | 0.492 | 12.730 | 515.600 | 0.086 | 3.073 |
| σ | | 1.725 | 0.164 | 9.410 | 1.792 | 0.117 | 2.433 | 20.320 | 0.052 | 0.286 |
| %RSD | | 74.950 | 6.435 | 4.823 | 27.370 | 23.750 | 19.100 | 3.941 | 60.330 | 9.298 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:40:54 | 317.900 | 320.200 | 6.547 | 39.760 | 0.918 | 1.143 | 0.088 | 0.924 | 3.854 |
| 2 | 18:42:02 | 331.000 | 334.800 | 6.133 | 41.590 | 1.225 | 1.227 | 0.023 | 1.232 | -1.022 |
| 3 | 18:43:10 | 313.000 | 314.300 | 5.862 | 39.270 | 1.678 | 1.203 | -0.236 | 1.688 | -2.432 |
| x | | 320.600 | 323.100 | 6.181 | 40.200 | 1.273 | 1.191 | -0.042 | 1.281 | 0.133 |
| σ | | 9.280 | 10.550 | 0.345 | 1.221 | 0.382 | 0.043 | 0.171 | 0.385 | 3.298 |
| %RSD | | 2.894 | 3.264 | 5.578 | 3.038 | 30.020 | 3.644 | 407.800 | 30.020 | 2475.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:40:54 | 2.479 | 0.254 | 0.529 | 0.263 | 0.300 | 0.008 | 71% | 0.772 | 0.139 |
| 2 | 18:42:02 | 1.142 | 0.231 | 0.357 | 0.162 | 0.258 | 0.012 | 74% | 0.135 | 0.080 |
| 3 | 18:43:10 | 0.739 | 0.096 | 0.148 | 0.264 | 0.153 | 0.007 | 79% | 1.167 | 0.041 |
| x | | 1.453 | 0.193 | 0.345 | 0.230 | 0.237 | 0.009 | 75% | 0.691 | 0.087 |
| σ | | 0.911 | 0.085 | 0.191 | 0.058 | 0.076 | 0.003 | 4% | 0.521 | 0.050 |
| %RSD | | 62.700 | 44.030 | 55.420 | 25.450 | 31.970 | 29.180 | 5 | 75.320 | 57.130 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:40:54 | -0.129 | 0.758 | 0.143 | 0.170 | 0.383 | 0.308 | 32.800 | 32.290 | 77% |
| 2 | 18:42:02 | 0.015 | 0.122 | 0.073 | 0.090 | 0.369 | 0.264 | 34.260 | 33.720 | 80% |
| 3 | 18:43:10 | -0.562 | 1.153 | 0.053 | 0.135 | 0.219 | 0.246 | 31.390 | 30.860 | 85% |
| x | | -0.225 | 0.678 | 0.089 | 0.131 | 0.324 | 0.273 | 32.820 | 32.290 | 81% |
| σ | | 0.300 | 0.521 | 0.047 | 0.040 | 0.091 | 0.032 | 1.436 | 1.429 | 4% |
| %RSD | | 133.100 | 76.810 | 52.970 | 30.560 | 28.120 | 11.820 | 4.376 | 4.425 | 5 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:40:54 | 77% | 0.160 | 0.188 | 20.750 | 18.580 | 19.630 | 73% | 0.169 |
| 2 | 18:42:02 | 81% | 0.080 | 0.084 | 21.480 | 19.400 | 20.210 | 77% | 0.107 |
| 3 | 18:43:10 | 87% | 0.060 | 0.052 | 19.840 | 17.970 | 18.970 | 83% | 0.068 |
| x | | 81% | 0.100 | 0.108 | 20.690 | 18.650 | 19.610 | 78% | 0.115 |
| σ | | 5% | 0.053 | 0.071 | 0.822 | 0.719 | 0.623 | 5% | 0.051 |
| %RSD | | 6 | 53.190 | 65.960 | 3.972 | 3.855 | 3.177 | 6 | 44.080 |

**C1868-18 MF3TE6** 05/01/2011 06:47:43 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:48:51 | 91% | 0.034 | 1006.000 | 0.000 | 361800.000 | 83540.000 | 82780.000 | 81940.000 | 32.370 |
| 2 | 18:49:59 | 92% | -0.051 | 1049.000 | 0.000 | 358800.000 | 83810.000 | 82530.000 | 82370.000 | 30.650 |
| 3 | 18:51:07 | 95% | -0.090 | 981.500 | 0.000 | 349600.000 | 80160.000 | 79750.000 | 79480.000 | 28.910 |
| x | | 92% | -0.036 | 1012.000 | 0.000 | 356700.000 | 82500.000 | 81690.000 | 81270.000 | 30.640 |
| σ | | 2% | 0.064 | 34.190 | 0.000 | 6390.000 | 2035.000 | 1684.000 | 1559.000 | 1.730 |
| %RSD | | 2 | 179.000 | 3.379 | 0.000 | 1.791 | 2.466 | 2.062 | 1.919 | 5.645 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:48:51 | 20420.000 | -4.363 | 0.000 | 0.000 | 8182.000 | 332800.000 | 346400.000 | 96% | 1.062 |
| 2 | 18:49:59 | 20610.000 | -4.844 | 0.000 | 0.000 | 8226.000 | 335900.000 | 351300.000 | 98% | 0.972 |
| 3 | 18:51:07 | 19880.000 | -6.147 | 0.000 | 0.000 | 8029.000 | 324000.000 | 341300.000 | 98% | 0.974 |
| x | | 20300.000 | -5.118 | 0.000 | 0.000 | 8146.000 | 330900.000 | 346300.000 | 97% | 1.003 |
| σ | | 379.000 | 0.923 | 0.000 | 0.000 | 103.600 | 6151.000 | 4998.000 | 1% | 0.051 |
| %RSD | | 1.867 | 18.030 | 0.000 | 0.000 | 1.271 | 1.859 | 1.443 | 1 | 5.133 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:48:51 | 26.190 | 0.851 | 165.300 | 26.220 | 1.094 | 42.870 | 1222.000 | -0.136 | 3.846 |
| 2 | 18:49:59 | 26.830 | 0.755 | 168.400 | 27.530 | 1.005 | 43.770 | 1237.000 | -0.170 | 3.720 |
| 3 | 18:51:07 | 27.490 | 0.758 | 172.600 | 25.500 | 0.993 | 42.120 | 1220.000 | -0.119 | 3.280 |
| x | | 26.840 | 0.788 | 168.800 | 26.420 | 1.031 | 42.920 | 1226.000 | -0.142 | 3.616 |
| σ | | 0.649 | 0.055 | 3.682 | 1.030 | 0.055 | 0.827 | 8.906 | 0.026 | 0.297 |
| %RSD | | 2.417 | 6.968 | 2.182 | 3.897 | 5.324 | 1.926 | 0.726 | 18.180 | 8.214 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:48:51 | 121.900 | 120.700 | 62.530 | 8.065 | 38.710 | 1.040 | 31.970 | 39.420 | -3.234 |
| 2 | 18:49:59 | 122.900 | 123.700 | 61.920 | 7.843 | 37.780 | 1.037 | 31.370 | 38.510 | 3.027 |
| 3 | 18:51:07 | 117.400 | 121.300 | 59.660 | 6.711 | 37.230 | 1.162 | 30.210 | 37.870 | -1.150 |
| x | | 120.700 | 121.900 | 61.370 | 7.539 | 37.910 | 1.080 | 31.190 | 38.600 | -0.453 |
| σ | | 2.913 | 1.563 | 1.513 | 0.726 | 0.749 | 0.071 | 0.895 | 0.780 | 3.188 |
| %RSD | | 2.413 | 1.282 | 2.465 | 9.632 | 1.976 | 6.599 | 2.868 | 2.021 | 704.600 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:48:51 | 7.143 | 1.022 | 0.972 | 1.117 | 0.963 | 0.003 | 76% | 0.279 | 0.143 |
| 2 | 18:49:59 | 5.538 | 0.984 | 0.994 | 1.299 | 0.885 | 0.011 | 77% | 1.510 | 0.096 |
| 3 | 18:51:07 | 5.483 | 1.023 | 0.840 | 1.357 | 0.835 | -0.001 | 79% | 0.862 | 0.073 |
| x | | 6.055 | 1.010 | 0.936 | 1.258 | 0.894 | 0.004 | 77% | 0.884 | 0.104 |
| σ | | 0.943 | 0.023 | 0.083 | 0.125 | 0.064 | 0.006 | 1% | 0.616 | 0.035 |
| %RSD | | 15.580 | 2.239 | 8.894 | 9.959 | 7.185 | 142.300 | 2 | 69.680 | 34.160 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:48:51 | -0.068 | 0.264 | 0.117 | 0.046 | 0.616 | 0.447 | 45.570 | 44.360 | 84% |
| 2 | 18:49:59 | -0.871 | 1.495 | 0.099 | 0.096 | 0.549 | 0.373 | 45.480 | 44.550 | 84% |
| 3 | 18:51:07 | -0.454 | 0.847 | 0.065 | 0.108 | 0.601 | 0.314 | 41.800 | 43.260 | 86% |
| x | | -0.464 | 0.869 | 0.093 | 0.084 | 0.589 | 0.378 | 44.280 | 44.060 | 84% |
| σ | | 0.402 | 0.616 | 0.027 | 0.033 | 0.035 | 0.067 | 2.152 | 0.697 | 1% |
| %RSD | | 86.470 | 70.910 | 28.460 | 39.490 | 5.993 | 17.640 | 4.860 | 1.582 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:48:51 | 84% | 0.034 | 0.057 | 7.619 | 7.158 | 7.433 | 79% | 10.430 |
| 2 | 18:49:59 | 84% | -0.008 | 0.022 | 7.801 | 7.093 | 7.479 | 80% | 10.480 |
| 3 | 18:51:07 | 87% | 0.002 | -0.004 | 7.455 | 6.967 | 7.114 | 82% | 9.966 |
| x | | 85% | 0.010 | 0.025 | 7.625 | 7.073 | 7.342 | 80% | 10.290 |
| σ | | 2% | 0.022 | 0.030 | 0.173 | 0.097 | 0.199 | 2% | 0.283 |
| %RSD | | 2 | 228.100 | 122.800 | 2.270 | 1.373 | 2.711 | 2 | 2.749 |

**C1868-19 MF3TE9** 05/01/2011 06:55:40 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:56:48 | 91% | -0.049 | 1348.000 | 0.000 | 298400.000 | 50920.000 | 50540.000 | 50340.000 | 7.410 |
| 2 | 18:57:56 | 90% | -0.096 | 1337.000 | 0.000 | 298300.000 | 50750.000 | 50410.000 | 50120.000 | 6.843 |
| 3 | 18:59:04 | 92% | -0.078 | 1334.000 | 0.000 | 290800.000 | 49640.000 | 49250.000 | 49270.000 | 6.709 |
| x | | 91% | -0.074 | 1340.000 | 0.000 | 295800.000 | 50440.000 | 50070.000 | 49910.000 | 6.987 |
| σ | | 1% | 0.024 | 7.437 | 0.000 | 4344.000 | 698.000 | 710.900 | 566.300 | 0.372 |
| %RSD | | 1 | 31.820 | 0.555 | 0.000 | 1.469 | 1.384 | 1.420 | 1.135 | 5.323 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:56:48 | 27240.000 | -1.824 | 0.000 | 0.000 | 4718.000 | 154500.000 | 173100.000 | 84% | 1.736 |
| 2 | 18:57:56 | 26820.000 | -0.234 | 0.000 | 0.000 | 4639.000 | 150200.000 | 170300.000 | 85% | 1.269 |
| 3 | 18:59:04 | 26600.000 | -6.437 | 0.000 | 0.000 | 4547.000 | 150000.000 | 166200.000 | 87% | 1.275 |
| x | | 26890.000 | -2.832 | 0.000 | 0.000 | 4635.000 | 151600.000 | 169900.000 | 86% | 1.427 |
| σ | | 322.700 | 3.222 | 0.000 | 0.000 | 85.600 | 2555.000 | 3456.000 | 2% | 0.268 |
| %RSD | | 1.200 | 113.800 | 0.000 | 0.000 | 1.847 | 1.685 | 2.034 | 2 | 18.790 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:56:48 | 63.980 | 1.308 | 201.300 | 10.340 | 1.270 | 14.810 | 589.200 | 0.025 | 2.187 |
| 2 | 18:57:56 | 60.260 | 1.333 | 214.000 | 6.402 | 1.156 | 13.110 | 536.600 | -0.029 | 1.993 |
| 3 | 18:59:04 | 61.940 | 1.325 | 212.700 | 3.006 | 1.223 | 11.570 | 542.000 | 0.001 | 2.177 |
| x | | 62.060 | 1.322 | 209.300 | 6.581 | 1.216 | 13.160 | 556.000 | -0.001 | 2.119 |
| σ | | 1.865 | 0.013 | 7.007 | 3.669 | 0.057 | 1.621 | 28.940 | 0.027 | 0.109 |
| %RSD | | 3.005 | 0.948 | 3.347 | 55.740 | 4.695 | 12.310 | 5.206 | 2967.000 | 5.150 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:56:48 | 4.744 | 4.767 | 45.240 | 13.770 | 20.550 | 1.076 | 15.590 | 20.660 | 2.565 |
| 2 | 18:57:56 | 4.375 | 4.628 | 44.870 | 12.130 | 19.330 | 1.328 | 16.130 | 19.440 | 2.448 |
| 3 | 18:59:04 | 4.215 | 4.205 | 44.620 | 13.700 | 21.230 | 1.023 | 15.020 | 21.380 | 1.865 |
| x | | 4.445 | 4.533 | 44.910 | 13.200 | 20.370 | 1.142 | 15.580 | 20.490 | 2.293 |
| σ | | 0.272 | 0.293 | 0.312 | 0.923 | 0.967 | 0.163 | 0.559 | 0.981 | 0.375 |
| %RSD | | 6.109 | 6.455 | 0.696 | 6.994 | 4.745 | 14.270 | 3.586 | 4.788 | 16.340 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:56:48 | 4.274 | 2.028 | 2.235 | 2.173 | 2.111 | 0.003 | 78% | -0.133 | 0.105 |
| 2 | 18:57:56 | 2.816 | 2.125 | 2.016 | 2.057 | 2.045 | 0.007 | 78% | -0.160 | 0.049 |
| 3 | 18:59:04 | 1.871 | 2.156 | 2.001 | 2.190 | 2.039 | 0.003 | 79% | 1.218 | 0.008 |
| x | | 2.987 | 2.103 | 2.084 | 2.140 | 2.065 | 0.004 | 78% | 0.308 | 0.054 |
| σ | | 1.211 | 0.067 | 0.131 | 0.072 | 0.040 | 0.002 | 1% | 0.788 | 0.049 |
| %RSD | | 40.530 | 3.172 | 6.285 | 3.378 | 1.938 | 54.330 | 1 | 255.700 | 90.040 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:56:48 | 0.158 | -0.150 | 0.087 | -0.026 | 0.071 | 0.082 | 26.780 | 26.570 | 86% |
| 2 | 18:57:56 | 0.110 | -0.176 | 0.051 | -0.006 | 0.051 | 0.075 | 27.080 | 26.740 | 86% |
| 3 | 18:59:04 | -0.468 | 1.201 | 0.035 | 0.042 | 0.015 | 0.068 | 25.570 | 27.160 | 87% |
| x | | -0.067 | 0.292 | 0.058 | 0.003 | 0.046 | 0.075 | 26.470 | 26.830 | 86% |
| σ | | 0.348 | 0.788 | 0.027 | 0.035 | 0.028 | 0.007 | 0.801 | 0.305 | 1% |
| %RSD | | 520.300 | 270.000 | 46.100 | 1148.000 | 61.800 | 9.444 | 3.027 | 1.138 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 18:56:48 | 86% | 0.005 | 0.011 | 2.020 | 1.843 | 1.874 | 82% | 9.414 |
| 2 | 18:57:56 | 86% | -0.033 | -0.023 | 1.940 | 1.645 | 1.805 | 84% | 9.279 |
| 3 | 18:59:04 | 87% | -0.043 | -0.033 | 1.863 | 1.748 | 1.776 | 85% | 9.313 |
| x | | 87% | -0.024 | -0.015 | 1.941 | 1.745 | 1.818 | 84% | 9.335 |
| σ | | 1% | 0.025 | 0.023 | 0.079 | 0.099 | 0.051 | 1% | 0.070 |
| %RSD | | 1 | 106.600 | 154.200 | 4.064 | 5.662 | 2.793 | 1 | 0.754 |

**C1868-20 MF3TF0** 05/01/2011 07:03:37 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:04:45 | 101% | -0.128 | 695.300 | 0.000 | 181000.000 | 56450.000 | 56100.000 | 55690.000 | 4.077 |
| 2 | 19:05:53 | 102% | -0.104 | 721.400 | 0.000 | 181400.000 | 56320.000 | 56210.000 | 56380.000 | 1.020 |
| 3 | 19:07:01 | 104% | -0.096 | 706.900 | 0.000 | 178800.000 | 56190.000 | 55610.000 | 55120.000 | 1.090 |
| x | | 102% | -0.110 | 707.900 | 0.000 | 180400.000 | 56320.000 | 55970.000 | 55730.000 | 2.062 |
| σ | | 2% | 0.017 | 13.040 | 0.000 | 1391.000 | 129.100 | 322.800 | 634.000 | 1.745 |
| %RSD | | 1 | 15.370 | 1.842 | 0.000 | 0.771 | 0.229 | 0.577 | 1.138 | 84.610 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:04:45 | 19870.000 | -7.335 | 0.000 | 0.000 | 7315.000 | 264400.000 | 276200.000 | 102% | 0.915 |
| 2 | 19:05:53 | 19850.000 | -7.633 | 0.000 | 0.000 | 7404.000 | 272100.000 | 281900.000 | 101% | 1.000 |
| 3 | 19:07:01 | 19700.000 | -3.391 | 0.000 | 0.000 | 7252.000 | 267200.000 | 281800.000 | 101% | 1.040 |
| x | | 19810.000 | -6.120 | 0.000 | 0.000 | 7324.000 | 267900.000 | 280000.000 | 101% | 0.985 |
| σ | | 94.120 | 2.368 | 0.000 | 0.000 | 76.820 | 3853.000 | 3268.000 | 1% | 0.064 |
| %RSD | | 0.475 | 38.700 | 0.000 | 0.000 | 1.049 | 1.438 | 1.167 | 1 | 6.503 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:04:45 | 26.450 | 1.186 | 184.300 | -5.027 | 0.071 | 9.078 | 993.800 | -0.101 | 2.676 |
| 2 | 19:05:53 | 26.250 | 1.167 | 199.100 | -5.037 | 0.027 | 9.314 | 1003.000 | -0.066 | 2.792 |
| 3 | 19:07:01 | 26.180 | 1.307 | 200.700 | -5.499 | 0.080 | 9.537 | 985.000 | -0.114 | 2.672 |
| x | | 26.290 | 1.220 | 194.700 | -5.188 | 0.059 | 9.310 | 994.000 | -0.093 | 2.713 |
| σ | | 0.140 | 0.076 | 9.079 | 0.270 | 0.028 | 0.230 | 9.082 | 0.025 | 0.068 |
| %RSD | | 0.531 | 6.212 | 4.663 | 5.196 | 47.500 | 2.465 | 0.914 | 26.710 | 2.514 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:04:45 | 2.175 | 2.298 | 6.633 | 7.071 | 21.200 | 1.060 | 14.740 | 21.590 | 3.208 |
| 2 | 19:05:53 | 2.318 | 2.526 | 6.742 | 6.758 | 22.410 | 1.224 | 14.920 | 22.810 | 0.831 |
| 3 | 19:07:01 | 2.039 | 2.579 | 6.444 | 6.112 | 23.150 | 1.240 | 14.930 | 23.570 | 0.128 |
| x | | 2.177 | 2.468 | 6.606 | 6.647 | 22.260 | 1.174 | 14.860 | 22.660 | 1.389 |
| σ | | 0.140 | 0.149 | 0.151 | 0.489 | 0.984 | 0.100 | 0.109 | 1.000 | 1.614 |
| %RSD | | 6.424 | 6.051 | 2.288 | 7.358 | 4.419 | 8.493 | 0.732 | 4.414 | 116.200 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:04:45 | 7.554 | 1.043 | 0.671 | 1.092 | 0.874 | -0.001 | 81% | 0.607 | 0.037 |
| 2 | 19:05:53 | 7.969 | 0.871 | 0.860 | 0.874 | 0.836 | 0.007 | 80% | 1.057 | 0.025 |
| 3 | 19:07:01 | 4.397 | 0.794 | 0.845 | 0.958 | 0.812 | 0.003 | 81% | 0.166 | 0.015 |
| x | | 6.640 | 0.903 | 0.792 | 0.974 | 0.841 | 0.003 | 81% | 0.610 | 0.026 |
| σ | | 1.953 | 0.127 | 0.105 | 0.110 | 0.031 | 0.004 | 0% | 0.446 | 0.011 |
| %RSD | | 29.420 | 14.110 | 13.280 | 11.280 | 3.723 | 137.900 | 1 | 73.080 | 43.220 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:04:45 | -0.377 | 0.597 | 0.036 | -0.013 | 0.029 | 0.024 | 49.510 | 48.450 | 86% |
| 2 | 19:05:53 | -0.564 | 1.045 | 0.051 | 0.008 | -0.045 | 0.027 | 48.340 | 49.600 | 86% |
| 3 | 19:07:01 | -0.014 | 0.154 | 0.023 | -0.068 | -0.017 | 0.007 | 47.740 | 47.820 | 86% |
| x | | -0.318 | 0.599 | 0.036 | -0.024 | -0.011 | 0.019 | 48.530 | 48.620 | 86% |
| σ | | 0.280 | 0.445 | 0.014 | 0.039 | 0.037 | 0.010 | 0.902 | 0.905 | 0% |
| %RSD | | 87.810 | 74.410 | 39.420 | 161.600 | 337.900 | 53.900 | 1.859 | 1.861 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:04:45 | 86% | -0.047 | -0.033 | 0.251 | 0.277 | 0.259 | 83% | 10.330 |
| 2 | 19:05:53 | 87% | -0.044 | -0.036 | 0.277 | 0.250 | 0.259 | 83% | 10.420 |
| 3 | 19:07:01 | 87% | -0.044 | -0.043 | 0.241 | 0.298 | 0.254 | 83% | 10.280 |
| x | | 87% | -0.045 | -0.037 | 0.256 | 0.275 | 0.257 | 83% | 10.340 |
| σ | | 1% | 0.002 | 0.005 | 0.018 | 0.024 | 0.002 | 0% | 0.069 |
| %RSD | | 1 | 3.482 | 13.760 | 7.197 | 8.627 | 0.941 | 0 | 0.664 |

**C1868-17X25 MF3TA3** 05/01/2011 07:11:35 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:12:43 | 102% | -0.137 | 60.640 | 0.000 | 9778.000 | 1620.000 | 1550.000 | 1554.000 | -0.181 |
| 2 | 19:13:51 | 104% | -0.129 | 53.790 | 0.000 | 9614.000 | 1592.000 | 1531.000 | 1514.000 | -0.227 |
| 3 | 19:14:59 | 103% | -0.137 | 50.190 | 0.000 | 9782.000 | 1605.000 | 1533.000 | 1552.000 | -0.284 |
| x | | 103% | -0.135 | 54.870 | 0.000 | 9725.000 | 1605.000 | 1538.000 | 1540.000 | -0.230 |
| σ | | 1% | 0.005 | 5.311 | 0.000 | 95.910 | 13.720 | 10.540 | 22.460 | 0.052 |
| %RSD | | 1 | 3.374 | 9.678 | 0.000 | 0.986 | 0.855 | 0.686 | 1.459 | 22.400 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:12:43 | 969.000 | -1.145 | 0.000 | 0.000 | 257.800 | 5656.000 | 5905.000 | 97% | -0.653 |
| 2 | 19:13:51 | 959.000 | -1.036 | 0.000 | 0.000 | 247.500 | 5549.000 | 5866.000 | 99% | -1.001 |
| 3 | 19:14:59 | 979.200 | 6.102 | 0.000 | 0.000 | 248.400 | 5598.000 | 5932.000 | 100% | -0.691 |
| x | | 969.100 | 1.307 | 0.000 | 0.000 | 251.200 | 5601.000 | 5901.000 | 99% | -0.782 |
| σ | | 10.080 | 4.153 | 0.000 | 0.000 | 5.682 | 53.580 | 32.980 | 1% | 0.191 |
| %RSD | | 1.041 | 317.700 | 0.000 | 0.000 | 2.262 | 0.957 | 0.559 | 1 | 24.440 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:12:43 | 0.068 | 0.160 | 42.490 | 3.215 | -0.073 | 1.556 | 15.910 | -0.050 | 0.060 |
| 2 | 19:13:51 | -0.453 | 0.148 | 40.030 | 3.795 | -0.064 | 0.986 | 20.620 | -0.039 | -0.078 |
| 3 | 19:14:59 | -0.376 | 0.154 | 37.980 | 2.952 | -0.043 | 1.222 | 21.250 | -0.044 | 0.002 |
| x | | -0.254 | 0.154 | 40.170 | 3.321 | -0.060 | 1.255 | 19.260 | -0.045 | -0.006 |
| σ | | 0.281 | 0.006 | 2.258 | 0.431 | 0.015 | 0.286 | 2.920 | 0.005 | 0.069 |
| %RSD | | 110.800 | 3.595 | 5.622 | 12.980 | 25.260 | 22.810 | 15.160 | 12.310 | 1259.000 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:12:43 | 12.690 | 12.400 | -0.016 | 1.178 | -0.518 | 0.265 | -0.289 | -0.518 | 3.170 |
| 2 | 19:13:51 | 12.720 | 12.620 | -0.056 | 1.569 | -0.661 | 0.161 | -0.709 | -0.661 | 1.577 |
| 3 | 19:14:59 | 12.960 | 12.410 | -0.185 | 1.523 | 0.535 | 0.176 | -0.809 | 0.535 | -2.683 |
| x | | 12.790 | 12.480 | -0.086 | 1.423 | -0.215 | 0.201 | -0.602 | -0.215 | 0.688 |
| σ | | 0.148 | 0.125 | 0.088 | 0.214 | 0.653 | 0.056 | 0.276 | 0.653 | 3.026 |
| %RSD | | 1.154 | 1.000 | 103.000 | 15.010 | 304.200 | 27.980 | 45.820 | 304.300 | 439.700 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:12:43 | -0.059 | -0.036 | -0.027 | -0.069 | -0.026 | 0.002 | 96% | 0.935 | -0.025 |
| 2 | 19:13:51 | -0.054 | -0.041 | -0.044 | -0.040 | -0.043 | 0.009 | 97% | 1.668 | -0.028 |
| 3 | 19:14:59 | -0.059 | -0.036 | -0.048 | -0.025 | -0.054 | 0.002 | 98% | -0.390 | -0.027 |
| x | | -0.057 | -0.038 | -0.040 | -0.045 | -0.041 | 0.004 | 97% | 0.737 | -0.027 |
| σ | | 0.003 | 0.003 | 0.011 | 0.023 | 0.015 | 0.004 | 1% | 1.043 | 0.002 |
| %RSD | | 4.938 | 7.357 | 28.290 | 50.350 | 35.510 | 85.920 | 1 | 141.500 | 5.938 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:12:43 | -0.566 | 0.940 | -0.025 | -0.006 | -0.034 | -0.066 | 1.003 | 0.931 | 95% |
| 2 | 19:13:51 | -0.972 | 1.677 | -0.017 | 0.033 | -0.068 | -0.053 | 0.914 | 0.936 | 95% |
| 3 | 19:14:59 | 0.166 | -0.390 | -0.027 | -0.082 | -0.067 | -0.050 | 0.912 | 1.042 | 96% |
| x | | -0.457 | 0.742 | -0.023 | -0.018 | -0.056 | -0.056 | 0.943 | 0.970 | 96% |
| σ | | 0.577 | 1.047 | 0.005 | 0.058 | 0.020 | 0.008 | 0.052 | 0.063 | 1% |
| %RSD | | 126.200 | 141.100 | 22.230 | 319.800 | 34.790 | 14.930 | 5.510 | 6.497 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:12:43 | 95% | -0.060 | -0.051 | 0.666 | 0.610 | 0.662 | 94% | -0.036 |
| 2 | 19:13:51 | 96% | -0.058 | -0.050 | 0.690 | 0.629 | 0.661 | 96% | -0.038 |
| 3 | 19:14:59 | 96% | -0.061 | -0.051 | 0.656 | 0.658 | 0.665 | 97% | -0.038 |
| x | | 96% | -0.059 | -0.051 | 0.671 | 0.632 | 0.662 | 96% | -0.037 |
| σ | | 1% | 0.001 | 0.001 | 0.018 | 0.024 | 0.002 | 1% | 0.001 |
| %RSD | | 1 | 2.079 | 1.737 | 2.609 | 3.783 | 0.323 | 1 | 2.666 |

**C1868-18X25 MF3TE6** 05/01/2011 07:19:32 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:20:41 | 100% | -0.111 | 52.850 | 0.000 | 16930.000 | 3937.000 | 3781.000 | 3800.000 | 0.793 |
| 2 | 19:21:48 | 102% | -0.146 | 60.500 | 0.000 | 16490.000 | 3840.000 | 3708.000 | 3727.000 | 0.915 |
| 3 | 19:22:57 | 103% | -0.112 | 53.080 | 0.000 | 16540.000 | 3850.000 | 3690.000 | 3722.000 | 1.072 |
| x | | 101% | -0.123 | 55.480 | 0.000 | 16650.000 | 3876.000 | 3726.000 | 3750.000 | 0.927 |
| σ | | 2% | 0.020 | 4.349 | 0.000 | 243.500 | 53.230 | 48.190 | 43.860 | 0.140 |
| %RSD | | 2 | 16.060 | 7.839 | 0.000 | 1.462 | 1.373 | 1.293 | 1.170 | 15.090 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:20:41 | 940.500 | 2.236 | 0.000 | 0.000 | 365.700 | 14970.000 | 16090.000 | 97% | -0.679 |
| 2 | 19:21:48 | 959.500 | 1.942 | 0.000 | 0.000 | 358.100 | 14800.000 | 15860.000 | 98% | -0.857 |
| 3 | 19:22:57 | 954.600 | -2.952 | 0.000 | 0.000 | 355.800 | 14940.000 | 15800.000 | 99% | -0.772 |
| x | | 951.500 | 0.409 | 0.000 | 0.000 | 359.900 | 14910.000 | 15920.000 | 98% | -0.769 |
| σ | | 9.875 | 2.914 | 0.000 | 0.000 | 5.173 | 93.400 | 151.100 | 1% | 0.089 |
| %RSD | | 1.038 | 712.900 | 0.000 | 0.000 | 1.437 | 0.627 | 0.949 | 1 | 11.590 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:20:41 | 1.851 | 0.055 | 29.050 | 3.049 | -0.021 | 2.608 | 56.240 | -0.052 | 0.153 |
| 2 | 19:21:48 | 1.709 | 0.081 | 27.160 | 4.320 | -0.030 | 1.628 | 59.650 | -0.044 | 0.102 |
| 3 | 19:22:57 | 0.977 | 0.032 | 27.440 | 1.221 | -0.016 | 1.968 | 54.340 | -0.060 | -0.002 |
| x | | 1.513 | 0.056 | 27.880 | 2.863 | -0.023 | 2.068 | 56.750 | -0.052 | 0.084 |
| σ | | 0.469 | 0.024 | 1.021 | 1.558 | 0.007 | 0.498 | 2.691 | 0.008 | 0.079 |
| %RSD | | 30.990 | 43.550 | 3.663 | 54.410 | 30.550 | 24.060 | 4.743 | 15.450 | 94.080 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:20:41 | 5.692 | 6.102 | 2.590 | 0.645 | 1.084 | 0.071 | 0.216 | 1.084 | -0.144 |
| 2 | 19:21:48 | 5.545 | 5.515 | 2.427 | 0.353 | 1.743 | 0.124 | -0.084 | 1.743 | -1.185 |
| 3 | 19:22:57 | 5.648 | 5.911 | 2.519 | 0.234 | 2.316 | 0.132 | 0.473 | 2.318 | -4.827 |
| x | | 5.628 | 5.843 | 2.512 | 0.411 | 1.715 | 0.109 | 0.202 | 1.715 | -2.052 |
| σ | | 0.076 | 0.299 | 0.082 | 0.212 | 0.616 | 0.033 | 0.279 | 0.617 | 2.459 |
| %RSD | | 1.343 | 5.122 | 3.245 | 51.520 | 35.950 | 30.460 | 138.000 | 35.990 | 119.800 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:20:41 | -0.033 | -0.016 | -0.005 | 0.007 | -0.025 | 0.009 | 95% | 0.458 | -0.015 |
| 2 | 19:21:48 | -0.029 | 0.025 | -0.006 | 0.028 | -0.000 | -0.001 | 97% | 0.364 | -0.019 |
| 3 | 19:22:57 | -0.043 | -0.041 | -0.014 | -0.017 | 0.000 | 0.002 | 96% | -0.324 | -0.023 |
| x | | -0.035 | -0.011 | -0.009 | 0.006 | -0.008 | 0.003 | 96% | 0.166 | -0.019 |
| σ | | 0.008 | 0.034 | 0.005 | 0.022 | 0.015 | 0.005 | 1% | 0.427 | 0.004 |
| %RSD | | 21.670 | 316.900 | 56.240 | 367.700 | 176.800 | 151.300 | 1 | 257.300 | 20.890 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:20:41 | -0.302 | 0.460 | -0.012 | -0.042 | -0.043 | -0.036 | 1.429 | 1.743 | 95% |
| 2 | 19:21:48 | -0.250 | 0.366 | -0.020 | -0.041 | -0.052 | -0.040 | 1.781 | 1.560 | 96% |
| 3 | 19:22:57 | 0.131 | -0.325 | -0.022 | -0.084 | -0.046 | -0.043 | 1.541 | 1.586 | 96% |
| x | | -0.140 | 0.167 | -0.018 | -0.056 | -0.047 | -0.040 | 1.584 | 1.630 | 96% |
| σ | | 0.236 | 0.429 | 0.005 | 0.024 | 0.005 | 0.003 | 0.179 | 0.099 | 1% |
| %RSD | | 168.600 | 257.000 | 28.970 | 43.810 | 10.530 | 8.702 | 11.330 | 6.102 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:20:41 | 95% | -0.052 | -0.048 | 0.225 | 0.217 | 0.222 | 95% | 0.335 |
| 2 | 19:21:48 | 97% | -0.054 | -0.048 | 0.209 | 0.211 | 0.218 | 96% | 0.341 |
| 3 | 19:22:57 | 96% | -0.057 | -0.045 | 0.233 | 0.212 | 0.212 | 96% | 0.355 |
| x | | 96% | -0.054 | -0.047 | 0.223 | 0.213 | 0.217 | 96% | 0.344 |
| σ | | 1% | 0.002 | 0.002 | 0.012 | 0.003 | 0.005 | 1% | 0.010 |
| %RSD | | 1 | 4.601 | 4.070 | 5.408 | 1.581 | 2.214 | 1 | 2.962 |

**C1868-19X25 MF3TE9** 05/01/2011 07:27:31 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:28:39 | 99% | -0.119 | 62.980 | 0.000 | 12620.000 | 2173.000 | 2063.000 | 2086.000 | -0.002 |
| 2 | 19:29:47 | 101% | -0.094 | 63.830 | 0.000 | 12550.000 | 2150.000 | 2055.000 | 2091.000 | 0.102 |
| 3 | 19:30:55 | 100% | -0.128 | 69.960 | 0.000 | 12670.000 | 2186.000 | 2079.000 | 2091.000 | 0.094 |
| x | | 100% | -0.114 | 65.590 | 0.000 | 12620.000 | 2170.000 | 2066.000 | 2090.000 | 0.065 |
| σ | | 1% | 0.017 | 3.806 | 0.000 | 62.220 | 18.430 | 12.090 | 3.330 | 0.058 |
| %RSD | | 1 | 15.350 | 5.803 | 0.000 | 0.493 | 0.849 | 0.586 | 0.159 | 90.150 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:28:39 | 1121.000 | 5.996 | 0.000 | 0.000 | 164.200 | 6391.000 | 6664.000 | 96% | -0.909 |
| 2 | 19:29:47 | 1109.000 | 2.160 | 0.000 | 0.000 | 156.800 | 6290.000 | 6519.000 | 97% | -0.912 |
| 3 | 19:30:55 | 1142.000 | -0.045 | 0.000 | 0.000 | 159.900 | 6300.000 | 6629.000 | 96% | -0.703 |
| x | | 1124.000 | 2.704 | 0.000 | 0.000 | 160.300 | 6327.000 | 6604.000 | 96% | -0.841 |
| σ | | 16.430 | 3.057 | 0.000 | 0.000 | 3.707 | 55.750 | 75.870 | 1% | 0.120 |
| %RSD | | 1.462 | 113.100 | 0.000 | 0.000 | 2.312 | 0.881 | 1.149 | 1 | 14.220 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:28:39 | 1.455 | 0.098 | 26.260 | 0.120 | -0.013 | 1.565 | 22.140 | -0.045 | 0.019 |
| 2 | 19:29:47 | 2.842 | 0.040 | 23.110 | 2.110 | -0.016 | 1.241 | 19.360 | -0.040 | -0.060 |
| 3 | 19:30:55 | 2.536 | 0.053 | 24.200 | 2.728 | 0.006 | 1.694 | 25.750 | -0.040 | -0.003 |
| x | | 2.278 | 0.063 | 24.520 | 1.653 | -0.008 | 1.500 | 22.420 | -0.042 | -0.015 |
| σ | | 0.729 | 0.031 | 1.596 | 1.363 | 0.012 | 0.234 | 3.206 | 0.003 | 0.041 |
| %RSD | | 32.000 | 48.350 | 6.510 | 82.480 | 150.200 | 15.570 | 14.300 | 6.845 | 275.100 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:28:39 | 0.072 | 0.048 | 1.442 | 0.708 | 0.207 | 0.108 | 0.123 | 0.206 | 0.800 |
| 2 | 19:29:47 | 0.039 | 0.121 | 1.685 | 0.486 | 0.667 | 0.107 | -0.203 | 0.669 | -1.796 |
| 3 | 19:30:55 | 0.018 | 0.037 | 1.296 | 0.509 | 0.558 | 0.138 | -0.080 | 0.559 | 1.228 |
| x | | 0.043 | 0.069 | 1.474 | 0.568 | 0.477 | 0.117 | -0.053 | 0.478 | 0.077 |
| σ | | 0.027 | 0.046 | 0.196 | 0.122 | 0.241 | 0.018 | 0.164 | 0.242 | 1.637 |
| %RSD | | 63.090 | 66.650 | 13.320 | 21.490 | 50.450 | 15.040 | 307.800 | 50.530 | 2119.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:28:39 | -0.002 | 0.032 | -0.001 | 0.038 | 0.057 | 0.006 | 95% | 0.074 | -0.019 |
| 2 | 19:29:47 | -0.006 | 0.028 | -0.022 | 0.062 | 0.019 | 0.002 | 94% | 0.129 | -0.018 |
| 3 | 19:30:55 | 0.046 | 0.063 | 0.000 | 0.040 | 0.035 | 0.009 | 93% | -0.522 | -0.023 |
| x | | 0.013 | 0.041 | -0.008 | 0.047 | 0.037 | 0.006 | 94% | -0.106 | -0.020 |
| σ | | 0.029 | 0.019 | 0.012 | 0.013 | 0.019 | 0.003 | 1% | 0.361 | 0.003 |
| %RSD | | 230.700 | 46.670 | 163.300 | 28.670 | 50.710 | 59.990 | 1 | 340.300 | 13.600 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:28:39 | -0.040 | 0.077 | -0.012 | -0.065 | -0.081 | -0.056 | 0.835 | 0.815 | 94% |
| 2 | 19:29:47 | -0.121 | 0.132 | -0.015 | -0.062 | -0.072 | -0.052 | 0.678 | 0.891 | 93% |
| 3 | 19:30:55 | 0.291 | -0.522 | -0.022 | -0.108 | -0.061 | -0.047 | 0.898 | 0.878 | 93% |
| x | | 0.043 | -0.104 | -0.016 | -0.078 | -0.071 | -0.052 | 0.804 | 0.861 | 93% |
| σ | | 0.218 | 0.363 | 0.005 | 0.026 | 0.010 | 0.004 | 0.113 | 0.040 | 1% |
| %RSD | | 501.400 | 347.200 | 30.220 | 33.000 | 13.740 | 8.395 | 14.100 | 4.693 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:28:39 | 94% | -0.046 | -0.045 | -0.006 | 0.016 | -0.007 | 94% | 0.294 |
| 2 | 19:29:47 | 93% | -0.053 | -0.043 | -0.010 | -0.013 | -0.010 | 94% | 0.302 |
| 3 | 19:30:55 | 93% | -0.055 | -0.043 | 0.002 | -0.010 | -0.012 | 94% | 0.292 |
| x | | 93% | -0.051 | -0.043 | -0.005 | -0.002 | -0.010 | 94% | 0.296 |
| σ | | 1% | 0.005 | 0.001 | 0.006 | 0.016 | 0.002 | 0% | 0.006 |
| %RSD | | 1 | 10.050 | 2.555 | 135.500 | 654.900 | 24.710 | 0 | 1.889 |

**C1868-20X25 MF3TF0** 05/01/2011 07:35:30 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:36:38 | 99% | -0.145 | 38.740 | 0.000 | 8479.000 | 2682.000 | 2564.000 | 2588.000 | 0.160 |
| 2 | 19:37:46 | 98% | -0.110 | 33.830 | 0.000 | 8652.000 | 2723.000 | 2576.000 | 2642.000 | 0.164 |
| 3 | 19:38:54 | 98% | -0.101 | 36.930 | 0.000 | 8598.000 | 2713.000 | 2590.000 | 2641.000 | 0.046 |
| x | | 98% | -0.119 | 36.500 | 0.000 | 8577.000 | 2706.000 | 2577.000 | 2624.000 | 0.123 |
| σ | | 0% | 0.023 | 2.483 | 0.000 | 88.490 | 21.660 | 13.270 | 30.560 | 0.067 |
| %RSD | | 0 | 19.470 | 6.801 | 0.000 | 1.032 | 0.800 | 0.515 | 1.165 | 54.530 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:36:38 | 899.200 | 4.727 | 0.000 | 0.000 | 315.700 | 11810.000 | 12540.000 | 95% | -0.789 |
| 2 | 19:37:46 | 925.200 | 3.130 | 0.000 | 0.000 | 317.400 | 11750.000 | 12630.000 | 95% | -0.849 |
| 3 | 19:38:54 | 933.700 | 2.429 | 0.000 | 0.000 | 318.000 | 11890.000 | 12460.000 | 96% | -0.764 |
| x | | 919.300 | 3.429 | 0.000 | 0.000 | 317.000 | 11820.000 | 12540.000 | 96% | -0.800 |
| σ | | 18.000 | 1.178 | 0.000 | 0.000 | 1.229 | 70.470 | 83.690 | 1% | 0.044 |
| %RSD | | 1.958 | 34.350 | 0.000 | 0.000 | 0.388 | 0.596 | 0.667 | 1 | 5.467 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:36:38 | 1.094 | 0.112 | 21.480 | 3.003 | -0.048 | 2.531 | 55.620 | -0.042 | 0.030 |
| 2 | 19:37:46 | 1.419 | 0.077 | 21.430 | 2.638 | -0.033 | 2.231 | 54.440 | -0.027 | 0.013 |
| 3 | 19:38:54 | 1.772 | 0.076 | 20.370 | 2.856 | -0.060 | 1.123 | 45.680 | -0.058 | 0.003 |
| x | | 1.428 | 0.088 | 21.100 | 2.833 | -0.047 | 1.961 | 51.910 | -0.042 | 0.015 |
| σ | | 0.339 | 0.021 | 0.628 | 0.184 | 0.014 | 0.742 | 5.431 | 0.016 | 0.014 |
| %RSD | | 23.720 | 23.440 | 2.976 | 6.485 | 29.500 | 37.820 | 10.460 | 37.120 | 90.220 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:36:38 | -0.050 | 0.026 | 0.095 | 0.617 | 0.487 | 0.057 | 0.337 | 0.487 | -0.678 |
| 2 | 19:37:46 | -0.017 | 0.012 | 0.174 | 0.329 | 0.913 | 0.088 | 0.132 | 0.914 | -0.464 |
| 3 | 19:38:54 | -0.023 | 0.047 | 0.066 | 0.445 | 0.591 | 0.086 | -0.138 | 0.590 | -0.375 |
| x | | -0.030 | 0.029 | 0.112 | 0.464 | 0.663 | 0.077 | 0.111 | 0.664 | -0.506 |
| σ | | 0.017 | 0.018 | 0.056 | 0.145 | 0.222 | 0.017 | 0.238 | 0.223 | 0.156 |
| %RSD | | 57.780 | 61.110 | 50.240 | 31.170 | 33.520 | 22.690 | 215.300 | 33.520 | 30.810 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:36:38 | -0.057 | -0.010 | -0.016 | -0.013 | -0.006 | -0.001 | 92% | 1.695 | -0.018 |
| 2 | 19:37:46 | -0.042 | -0.001 | -0.017 | 0.025 | -0.021 | 0.006 | 93% | 0.806 | -0.023 |
| 3 | 19:38:54 | -0.027 | -0.050 | -0.005 | -0.016 | -0.025 | 0.006 | 95% | 0.815 | -0.028 |
| x | | -0.042 | -0.020 | -0.013 | -0.001 | -0.017 | 0.004 | 93% | 1.105 | -0.023 |
| σ | | 0.015 | 0.026 | 0.007 | 0.023 | 0.010 | 0.004 | 2% | 0.511 | 0.005 |
| %RSD | | 35.220 | 130.300 | 51.870 | 1886.000 | 58.270 | 113.400 | 2 | 46.180 | 21.380 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:36:38 | -0.930 | 1.697 | -0.020 | 0.034 | -0.048 | -0.069 | 1.686 | 1.802 | 93% |
| 2 | 19:37:46 | -0.493 | 0.807 | -0.023 | -0.002 | -0.067 | -0.066 | 1.576 | 1.829 | 93% |
| 3 | 19:38:54 | -0.499 | 0.819 | -0.020 | -0.014 | -0.077 | -0.059 | 1.714 | 1.645 | 94% |
| x | | -0.641 | 1.108 | -0.021 | 0.006 | -0.064 | -0.065 | 1.659 | 1.758 | 93% |
| σ | | 0.251 | 0.511 | 0.002 | 0.025 | 0.015 | 0.005 | 0.073 | 0.099 | 1% |
| %RSD | | 39.170 | 46.100 | 8.960 | 388.200 | 23.160 | 7.612 | 4.385 | 5.638 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:36:38 | 92% | -0.049 | -0.049 | -0.074 | -0.067 | -0.068 | 93% | 0.342 |
| 2 | 19:37:46 | 93% | -0.052 | -0.046 | -0.075 | -0.051 | -0.058 | 94% | 0.332 |
| 3 | 19:38:54 | 94% | -0.052 | -0.048 | -0.061 | -0.060 | -0.057 | 95% | 0.366 |
| x | | 93% | -0.051 | -0.048 | -0.070 | -0.059 | -0.061 | 94% | 0.347 |
| σ | | 1% | 0.002 | 0.001 | 0.008 | 0.008 | 0.006 | 1% | 0.018 |
| %RSD | | 1 | 3.963 | 2.769 | 11.210 | 13.520 | 9.802 | 1 | 5.147 |

**C1881-01 MF3T77** 05/01/2011 07:43:29 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:44:37 | 95% | -0.099 | 1066.000 | 0.000 | 286900.000 | 83510.000 | 82940.000 | 81900.000 | 1.556 |
| 2 | 19:45:45 | 91% | -0.144 | 1050.000 | 0.000 | 288300.000 | 83610.000 | 82960.000 | 82390.000 | 1.073 |
| 3 | 19:46:53 | 92% | -0.116 | 1069.000 | 0.000 | 293100.000 | 86420.000 | 85850.000 | 85550.000 | 0.985 |
| x | | 93% | -0.120 | 1062.000 | 0.000 | 289400.000 | 84510.000 | 83920.000 | 83280.000 | 1.205 |
| σ | | 2% | 0.022 | 10.300 | 0.000 | 3228.000 | 1654.000 | 1671.000 | 1981.000 | 0.307 |
| %RSD | | 2 | 18.750 | 0.970 | 0.000 | 1.115 | 1.957 | 1.991 | 2.379 | 25.500 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:44:37 | 20800.000 | -4.657 | 0.000 | 0.000 | 7873.000 | 320000.000 | 333900.000 | 95% | 1.146 |
| 2 | 19:45:45 | 21060.000 | -1.587 | 0.000 | 0.000 | 7977.000 | 319700.000 | 336600.000 | 92% | 0.819 |
| 3 | 19:46:53 | 21790.000 | -4.805 | 0.000 | 0.000 | 8225.000 | 329600.000 | 345200.000 | 91% | 1.062 |
| x | | 21220.000 | -3.683 | 0.000 | 0.000 | 8025.000 | 323100.000 | 338600.000 | 93% | 1.009 |
| σ | | 515.300 | 1.816 | 0.000 | 0.000 | 181.000 | 5616.000 | 5910.000 | 2% | 0.170 |
| %RSD | | 2.429 | 49.320 | 0.000 | 0.000 | 2.256 | 1.738 | 1.746 | 2 | 16.820 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:44:37 | 34.090 | 7.189 | 125.400 | 1.333 | 0.296 | 14.320 | 1160.000 | -0.149 | 3.046 |
| 2 | 19:45:45 | 32.130 | 7.224 | 141.400 | 1.745 | 0.261 | 14.420 | 1095.000 | -0.127 | 2.957 |
| 3 | 19:46:53 | 35.610 | 7.470 | 148.100 | 1.481 | 0.305 | 15.860 | 1148.000 | -0.139 | 2.924 |
| x | | 33.950 | 7.294 | 138.300 | 1.520 | 0.288 | 14.870 | 1134.000 | -0.139 | 2.976 |
| σ | | 1.741 | 0.153 | 11.650 | 0.209 | 0.024 | 0.863 | 34.800 | 0.011 | 0.063 |
| %RSD | | 5.130 | 2.097 | 8.427 | 13.750 | 8.221 | 5.807 | 3.068 | 7.825 | 2.122 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:44:37 | 3.317 | 3.194 | 3.581 | 9.269 | 30.640 | 0.526 | 22.810 | 31.170 | 1.834 |
| 2 | 19:45:45 | 3.173 | 3.286 | 3.830 | 7.419 | 30.560 | 1.002 | 22.350 | 31.040 | -2.352 |
| 3 | 19:46:53 | 3.373 | 3.784 | 4.169 | 9.321 | 31.370 | 0.838 | 24.110 | 31.900 | 3.445 |
| x | | 3.288 | 3.421 | 3.860 | 8.670 | 30.860 | 0.789 | 23.090 | 31.370 | 0.976 |
| σ | | 0.103 | 0.317 | 0.296 | 1.084 | 0.444 | 0.242 | 0.910 | 0.460 | 2.992 |
| %RSD | | 3.126 | 9.277 | 7.657 | 12.500 | 1.440 | 30.650 | 3.942 | 1.466 | 306.600 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:44:37 | 3.580 | 0.890 | 0.748 | 1.026 | 0.857 | 0.007 | 76% | -0.794 | -0.010 |
| 2 | 19:45:45 | 3.920 | 0.851 | 0.823 | 1.203 | 0.910 | -0.001 | 75% | 0.686 | -0.012 |
| 3 | 19:46:53 | 3.437 | 0.982 | 0.807 | 1.187 | 0.931 | 0.012 | 74% | 0.400 | -0.015 |
| x | | 3.645 | 0.908 | 0.792 | 1.139 | 0.899 | 0.006 | 75% | 0.097 | -0.012 |
| σ | | 0.248 | 0.068 | 0.039 | 0.098 | 0.038 | 0.007 | 1% | 0.786 | 0.003 |
| %RSD | | 6.803 | 7.457 | 4.973 | 8.592 | 4.213 | 109.200 | 2 | 806.200 | 22.070 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:44:37 | 0.460 | -0.809 | -0.015 | -0.097 | -0.047 | -0.004 | 19.500 | 18.910 | 83% |
| 2 | 19:45:45 | -0.417 | 0.669 | -0.013 | -0.023 | -0.024 | -0.016 | 18.970 | 19.440 | 83% |
| 3 | 19:46:53 | -0.258 | 0.382 | -0.014 | -0.017 | -0.062 | -0.016 | 19.460 | 20.030 | 82% |
| x | | -0.072 | 0.081 | -0.014 | -0.046 | -0.044 | -0.012 | 19.310 | 19.460 | 83% |
| σ | | 0.467 | 0.784 | 0.001 | 0.045 | 0.019 | 0.007 | 0.293 | 0.563 | 1% |
| %RSD | | 650.800 | 970.500 | 8.267 | 98.050 | 42.860 | 55.980 | 1.517 | 2.892 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:44:37 | 84% | -0.050 | -0.033 | 0.286 | 0.241 | 0.254 | 80% | 13.980 |
| 2 | 19:45:45 | 83% | -0.043 | -0.038 | 0.292 | 0.226 | 0.237 | 80% | 13.870 |
| 3 | 19:46:53 | 82% | -0.044 | -0.044 | 0.284 | 0.209 | 0.231 | 78% | 14.340 |
| x | | 83% | -0.046 | -0.039 | 0.287 | 0.225 | 0.241 | 79% | 14.060 |
| σ | | 1% | 0.004 | 0.005 | 0.004 | 0.016 | 0.012 | 1% | 0.245 |
| %RSD | | 1 | 8.183 | 13.750 | 1.521 | 7.012 | 5.045 | 1 | 1.739 |

**C1881-01X25 MF3T77** 05/01/2011 07:51:28 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:52:36 | 58% | -0.090 | 90.430 | 0.000 | 15730.000 | 4563.000 | 4407.000 | 4405.000 | 4.820 |
| 2 | 19:53:44 | 100% | -0.120 | 69.690 | 0.000 | 13950.000 | 4036.000 | 3838.000 | 3901.000 | 3.742 |
| 3 | 19:54:52 | 96% | -0.127 | 65.000 | 0.000 | 14240.000 | 4164.000 | 4012.000 | 4092.000 | 4.076 |
| x | | 85% | -0.112 | 75.040 | 0.000 | 14640.000 | 4254.000 | 4086.000 | 4133.000 | 4.213 |
| σ | | 23% | 0.019 | 13.530 | 0.000 | 956.400 | 274.800 | 291.800 | 254.500 | 0.552 |
| %RSD | | 27 | 17.330 | 18.030 | 0.000 | 6.533 | 6.459 | 7.141 | 6.158 | 13.100 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:52:36 | 1472.000 | 6.569 | 0.000 | 0.000 | 355.300 | 14200.000 | 15050.000 | 74% | -0.771 |
| 2 | 19:53:44 | 1042.000 | 2.755 | 0.000 | 0.000 | 359.300 | 14360.000 | 15270.000 | 96% | -0.792 |
| 3 | 19:54:52 | 1060.000 | 5.644 | 0.000 | 0.000 | 372.600 | 14820.000 | 15690.000 | 94% | -0.664 |
| x | | 1191.000 | 4.989 | 0.000 | 0.000 | 362.400 | 14460.000 | 15330.000 | 88% | -0.742 |
| σ | | 242.900 | 1.990 | 0.000 | 0.000 | 9.030 | 326.500 | 326.000 | 12% | 0.068 |
| %RSD | | 20.390 | 39.880 | 0.000 | 0.000 | 2.492 | 2.258 | 2.126 | 14 | 9.180 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:52:36 | 0.221 | 0.448 | 30.480 | 4.966 | 0.190 | 4.411 | 59.660 | -0.057 | 0.238 |
| 2 | 19:53:44 | 1.635 | 0.476 | 27.190 | 6.043 | 0.206 | 5.784 | 66.780 | -0.053 | 0.090 |
| 3 | 19:54:52 | 1.827 | 0.372 | 26.400 | 6.836 | 0.215 | 6.721 | 71.130 | -0.047 | 0.129 |
| x | | 1.228 | 0.432 | 28.020 | 5.948 | 0.204 | 5.638 | 65.850 | -0.053 | 0.152 |
| σ | | 0.877 | 0.054 | 2.166 | 0.939 | 0.013 | 1.162 | 5.792 | 0.005 | 0.077 |
| %RSD | | 71.440 | 12.400 | 7.728 | 15.780 | 6.144 | 20.610 | 8.796 | 10.250 | 50.270 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:52:36 | 0.211 | 0.165 | 4.771 | 0.532 | 1.526 | 0.114 | 0.437 | 1.542 | 0.682 |
| 2 | 19:53:44 | 0.131 | 0.166 | 4.710 | 0.425 | 1.273 | 0.148 | 0.915 | 1.277 | -2.736 |
| 3 | 19:54:52 | 0.139 | 0.304 | 4.885 | 0.223 | 0.856 | 0.145 | 0.182 | 0.858 | 3.163 |
| x | | 0.160 | 0.212 | 4.789 | 0.393 | 1.218 | 0.136 | 0.511 | 1.225 | 0.370 |
| σ | | 0.044 | 0.080 | 0.089 | 0.157 | 0.338 | 0.019 | 0.372 | 0.345 | 2.962 |
| %RSD | | 27.550 | 37.730 | 1.850 | 39.970 | 27.780 | 13.910 | 72.760 | 28.120 | 801.400 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:52:36 | 0.009 | -0.004 | 0.003 | 0.030 | 0.003 | 0.009 | 65% | 0.076 | -0.023 |
| 2 | 19:53:44 | -0.036 | 0.010 | 0.001 | -0.029 | -0.009 | 0.010 | 91% | -0.284 | -0.023 |
| 3 | 19:54:52 | -0.051 | 0.011 | 0.002 | -0.036 | 0.005 | -0.001 | 90% | 1.422 | -0.026 |
| x | | -0.026 | 0.006 | 0.002 | -0.012 | -0.000 | 0.006 | 82% | 0.405 | -0.024 |
| σ | | 0.031 | 0.009 | 0.001 | 0.036 | 0.007 | 0.006 | 15% | 0.899 | 0.002 |
| %RSD | | 120.700 | 145.200 | 36.890 | 311.900 | 3216.000 | 103.100 | 18 | 222.100 | 8.283 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:52:36 | -0.087 | 0.071 | -0.024 | -0.057 | 0.042 | -0.050 | 0.520 | 0.795 | 67% |
| 2 | 19:53:44 | 0.109 | -0.286 | -0.011 | -0.081 | 0.071 | -0.060 | 0.658 | 0.759 | 92% |
| 3 | 19:54:52 | -0.833 | 1.425 | -0.018 | 0.017 | 0.110 | -0.051 | 0.761 | 0.962 | 90% |
| x | | -0.270 | 0.403 | -0.018 | -0.040 | 0.074 | -0.054 | 0.646 | 0.839 | 83% |
| σ | | 0.497 | 0.902 | 0.006 | 0.051 | 0.034 | 0.006 | 0.121 | 0.108 | 14% |
| %RSD | | 183.900 | 223.700 | 35.640 | 126.700 | 45.940 | 10.730 | 18.720 | 12.870 | 17 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 19:52:36 | 67% | -0.059 | -0.049 | 0.203 | 0.225 | 0.227 | 60% | 0.403 |
| 2 | 19:53:44 | 91% | -0.054 | -0.047 | 0.210 | 0.218 | 0.235 | 91% | 0.483 |
| 3 | 19:54:52 | 91% | -0.048 | -0.047 | 0.249 | 0.230 | 0.242 | 91% | 0.504 |
| x | | 83% | -0.054 | -0.048 | 0.221 | 0.224 | 0.235 | 81% | 0.463 |
| σ | | 14% | 0.005 | 0.001 | 0.025 | 0.006 | 0.008 | 18% | 0.053 |
| %RSD | | 17 | 9.998 | 2.899 | 11.320 | 2.866 | 3.285 | 22 | 11.500 |

**CCV** 05/01/2011 07:59:25 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:00:33 | 83% | 528.100 | 529.900 | 0.000 | 52460.000 | 53210.000 | 52380.000 | 52470.000 | 10590.000 |
| 2 | 20:01:41 | 85% | 490.400 | 512.200 | 0.000 | 49550.000 | 49680.000 | 49390.000 | 49390.000 | 9943.000 |
| 3 | 20:02:49 | 84% | 506.200 | 510.500 | 0.000 | 50870.000 | 50800.000 | 50370.000 | 50270.000 | 10190.000 |
| x | | 84% | 508.300 | 517.500 | 0.000 | 50960.000 | 51230.000 | 50710.000 | 50710.000 | 10240.000 |
| σ | | 1% | 18.940 | 10.730 | 0.000 | 1457.000 | 1803.000 | 1524.000 | 1588.000 | 327.000 |
| %RSD | | 2 | 3.726 | 2.073 | 0.000 | 2.860 | 3.519 | 3.006 | 3.132 | 3.192 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:00:33 | 553.700 | 10460.000 | 0.000 | 0.000 | 26810.000 | 53850.000 | 50900.000 | 80% | 513.600 |
| 2 | 20:01:41 | 513.300 | 9964.000 | 0.000 | 0.000 | 24930.000 | 50600.000 | 47310.000 | 84% | 471.800 |
| 3 | 20:02:49 | 512.800 | 10130.000 | 0.000 | 0.000 | 25520.000 | 50250.000 | 48630.000 | 83% | 495.000 |
| x | | 526.600 | 10180.000 | 0.000 | 0.000 | 25750.000 | 51570.000 | 48950.000 | 83% | 493.500 |
| σ | | 23.470 | 252.900 | 0.000 | 0.000 | 962.300 | 1985.000 | 1815.000 | 2% | 20.950 |
| %RSD | | 4.457 | 2.484 | 0.000 | 0.000 | 3.737 | 3.849 | 3.708 | 2 | 4.244 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:00:33 | 516.900 | 514.400 | 25.880 | 26490.000 | 1034.000 | 26110.000 | 26310.000 | 511.300 | 513.500 |
| 2 | 20:01:41 | 478.200 | 478.500 | 27.940 | 24710.000 | 967.300 | 24330.000 | 24510.000 | 477.300 | 487.600 |
| 3 | 20:02:49 | 491.200 | 486.300 | 26.860 | 25410.000 | 984.700 | 24990.000 | 25120.000 | 493.800 | 496.400 |
| x | | 495.400 | 493.100 | 26.890 | 25540.000 | 995.400 | 25140.000 | 25310.000 | 494.100 | 499.200 |
| σ | | 19.720 | 18.910 | 1.029 | 894.100 | 34.610 | 901.900 | 911.100 | 16.950 | 13.150 |
| %RSD | | 3.981 | 3.835 | 3.827 | 3.501 | 3.478 | 3.587 | 3.599 | 3.431 | 2.634 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:00:33 | 1051.000 | 1042.000 | 1015.000 | 515.600 | 510.800 | -0.917 | 519.900 | 511.200 | 1.641 |
| 2 | 20:01:41 | 957.500 | 970.000 | 947.800 | 481.100 | 480.800 | -1.220 | 480.700 | 481.300 | 0.747 |
| 3 | 20:02:49 | 998.800 | 993.200 | 969.900 | 486.500 | 494.100 | -0.761 | 494.400 | 495.100 | 0.268 |
| x | | 1003.000 | 1002.000 | 977.500 | 494.400 | 495.300 | -0.966 | 498.300 | 495.900 | 0.886 |
| σ | | 47.030 | 36.650 | 34.130 | 18.540 | 15.050 | 0.233 | 19.900 | 14.950 | 0.697 |
| %RSD | | 4.691 | 3.659 | 3.491 | 3.749 | 3.039 | 24.150 | 3.994 | 3.016 | 78.700 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:00:33 | 494.400 | 509.800 | 505.700 | 502.800 | 505.100 | 0.015 | 78% | 497.300 | 516.900 |
| 2 | 20:01:41 | 464.300 | 479.500 | 480.100 | 473.500 | 473.200 | -0.001 | 82% | 476.700 | 482.500 |
| 3 | 20:02:49 | 475.300 | 490.400 | 489.700 | 485.500 | 488.800 | 0.003 | 80% | 480.800 | 496.900 |
| x | | 478.000 | 493.200 | 491.800 | 487.300 | 489.000 | 0.006 | 80% | 484.900 | 498.800 |
| σ | | 15.260 | 15.360 | 12.950 | 14.700 | 15.970 | 0.009 | 2% | 10.930 | 17.300 |
| %RSD | | 3.192 | 3.113 | 2.633 | 3.018 | 3.265 | 149.400 | 2 | 2.254 | 3.468 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:00:33 | -3.857 | 497.500 | 508.100 | 505.600 | 437.300 | 504.600 | 2602.000 | 2579.000 | 84% |
| 2 | 20:01:41 | -5.931 | 476.800 | 479.000 | 470.300 | 409.800 | 469.200 | 2391.000 | 2414.000 | 88% |
| 3 | 20:02:49 | 2.323 | 481.200 | 498.100 | 490.200 | 426.000 | 491.000 | 2491.000 | 2491.000 | 85% |
| x | | -2.488 | 485.200 | 495.000 | 488.700 | 424.400 | 488.200 | 2495.000 | 2495.000 | 85% |
| σ | | 4.294 | 10.920 | 14.790 | 17.670 | 13.790 | 17.880 | 105.700 | 82.540 | 2% |
| %RSD | | 172.600 | 2.250 | 2.988 | 3.616 | 3.250 | 3.662 | 4.238 | 3.308 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:00:33 | 84% | 503.300 | 508.800 | 506.600 | 506.300 | 507.800 | 84% | 520.100 |
| 2 | 20:01:41 | 88% | 485.900 | 480.000 | 479.900 | 481.000 | 482.000 | 87% | 489.600 |
| 3 | 20:02:49 | 87% | 499.800 | 493.100 | 500.900 | 501.900 | 500.700 | 86% | 508.300 |
| x | | 86% | 496.400 | 493.900 | 495.800 | 496.400 | 496.800 | 86% | 506.000 |
| σ | | 2% | 9.187 | 14.460 | 14.080 | 13.510 | 13.310 | 1% | 15.360 |
| %RSD | | 2 | 1.851 | 2.927 | 2.839 | 2.721 | 2.680 | 2 | 3.035 |

**CCB** 05/01/2011 08:07:21 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:08:29 | 86% | 0.543 | 12.650 | 0.000 | 153.800 | 66.080 | 67.070 | 65.120 | 8.672 |
| 2 | 20:09:37 | 87% | 0.223 | 14.540 | 0.000 | 112.700 | 57.500 | 54.280 | 54.030 | 8.321 |
| 3 | 20:10:45 | 88% | 0.171 | 10.330 | 0.000 | 53.740 | 22.330 | 22.620 | 23.800 | 3.422 |
| x | | 87% | 0.312 | 12.510 | 0.000 | 106.700 | 48.640 | 47.990 | 47.650 | 6.805 |
| σ | | 1% | 0.202 | 2.110 | 0.000 | 50.270 | 23.180 | 22.880 | 21.380 | 2.935 |
| %RSD | | 1 | 64.610 | 16.860 | 0.000 | 47.100 | 47.660 | 47.690 | 44.880 | 43.130 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:08:29 | 4.989 | 11.070 | 0.000 | 0.000 | 22.250 | 123.000 | 61.650 | 85% | 0.173 |
| 2 | 20:09:37 | 4.481 | 16.960 | 0.000 | 0.000 | 8.229 | 80.510 | 33.600 | 85% | -0.124 |
| 3 | 20:10:45 | 1.821 | 15.360 | 0.000 | 0.000 | -2.729 | 29.970 | -14.970 | 85% | -0.450 |
| x | | 3.764 | 14.460 | 0.000 | 0.000 | 9.252 | 77.810 | 26.760 | 85% | -0.134 |
| σ | | 1.702 | 3.048 | 0.000 | 0.000 | 12.520 | 46.560 | 38.760 | 0% | 0.311 |
| %RSD | | 45.210 | 21.080 | 0.000 | 0.000 | 135.400 | 59.840 | 144.800 | 0 | 233.300 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:08:29 | 0.276 | 0.474 | 19.400 | 24.270 | 0.913 | 19.140 | 21.900 | 0.515 | 0.397 |
| 2 | 20:09:37 | 0.222 | 0.379 | 18.350 | 23.700 | 0.838 | 18.160 | 22.020 | 0.358 | 0.248 |
| 3 | 20:10:45 | 0.632 | 0.231 | 16.220 | 11.730 | 0.275 | 7.441 | 14.170 | 0.107 | 0.069 |
| x | | 0.377 | 0.362 | 17.990 | 19.900 | 0.675 | 14.910 | 19.360 | 0.327 | 0.238 |
| σ | | 0.222 | 0.123 | 1.619 | 7.086 | 0.349 | 6.490 | 4.496 | 0.206 | 0.164 |
| %RSD | | 59.010 | 33.900 | 8.999 | 35.610 | 51.670 | 43.520 | 23.220 | 62.940 | 69.080 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:08:29 | 0.791 | 0.993 | 0.710 | 0.592 | 0.846 | 0.077 | -0.044 | 0.846 | -0.471 |
| 2 | 20:09:37 | 0.783 | 0.654 | 0.437 | 0.649 | 0.925 | 0.059 | 0.471 | 0.924 | -1.557 |
| 3 | 20:10:45 | 0.201 | 0.216 | 0.027 | -0.011 | 0.106 | 0.120 | -0.501 | 0.106 | -1.201 |
| x | | 0.592 | 0.621 | 0.391 | 0.410 | 0.626 | 0.085 | -0.025 | 0.625 | -1.076 |
| σ | | 0.338 | 0.389 | 0.343 | 0.365 | 0.452 | 0.031 | 0.486 | 0.452 | 0.553 |
| %RSD | | 57.170 | 62.680 | 87.760 | 89.100 | 72.260 | 36.610 | 1971.000 | 72.270 | 51.410 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:08:29 | 0.879 | 1.309 | 1.089 | 1.080 | 1.150 | 0.003 | 84% | 1.066 | 0.646 |
| 2 | 20:09:37 | 0.569 | 0.732 | 0.723 | 0.713 | 0.868 | -0.001 | 85% | 0.749 | 0.484 |
| 3 | 20:10:45 | 0.439 | 0.418 | 0.534 | 0.500 | 0.461 | 0.003 | 85% | 1.433 | 0.200 |
| x | | 0.629 | 0.820 | 0.782 | 0.764 | 0.826 | 0.001 | 84% | 1.082 | 0.443 |
| σ | | 0.226 | 0.452 | 0.282 | 0.294 | 0.347 | 0.002 | 1% | 0.342 | 0.226 |
| %RSD | | 35.950 | 55.100 | 36.100 | 38.420 | 41.960 | 150.300 | 1 | 31.630 | 51.000 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:08:29 | -0.288 | 1.064 | 0.583 | 0.468 | 0.480 | 0.908 | 2.427 | 2.382 | 85% |
| 2 | 20:09:37 | -0.290 | 0.748 | 0.449 | 0.426 | 0.451 | 0.669 | 1.959 | 1.975 | 86% |
| 3 | 20:10:45 | -0.781 | 1.434 | 0.153 | 0.229 | 0.238 | 0.332 | 0.573 | 0.842 | 86% |
| x | | -0.453 | 1.082 | 0.395 | 0.374 | 0.390 | 0.637 | 1.653 | 1.733 | 86% |
| σ | | 0.284 | 0.344 | 0.220 | 0.128 | 0.132 | 0.289 | 0.964 | 0.798 | 0% |
| %RSD | | 62.680 | 31.740 | 55.740 | 34.120 | 33.890 | 45.430 | 58.320 | 46.040 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:08:29 | 85% | 0.665 | 0.670 | 0.474 | 0.458 | 0.479 | 87% | 0.426 |
| 2 | 20:09:37 | 86% | 0.446 | 0.420 | 0.359 | 0.411 | 0.372 | 88% | 0.371 |
| 3 | 20:10:45 | 86% | 0.129 | 0.143 | 0.097 | 0.113 | 0.102 | 88% | 0.143 |
| x | | 86% | 0.413 | 0.411 | 0.310 | 0.327 | 0.318 | 87% | 0.313 |
| σ | | 0% | 0.269 | 0.264 | 0.193 | 0.187 | 0.194 | 0% | 0.150 |
| %RSD | | 1 | 65.140 | 64.110 | 62.330 | 57.170 | 61.130 | 1 | 47.960 |

**C1881-02 MF3T80** 05/01/2011 08:15:18 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:16:26 | 87% | 0.214 | 473.000 | 0.000 | 130800.000 | 26080.000 | 25890.000 | 25610.000 | 9.453 |
| 2 | 20:17:34 | 85% | 0.101 | 477.000 | 0.000 | 129500.000 | 26070.000 | 25800.000 | 25240.000 | 8.055 |
| 3 | 20:18:42 | 83% | 0.023 | 491.000 | 0.000 | 131100.000 | 26180.000 | 25900.000 | 25380.000 | 6.077 |
| x | | 85% | 0.113 | 480.300 | 0.000 | 130400.000 | 26110.000 | 25870.000 | 25410.000 | 7.862 |
| σ | | 2% | 0.096 | 9.447 | 0.000 | 837.100 | 63.300 | 58.350 | 184.700 | 1.696 |
| %RSD | | 2 | 85.410 | 1.967 | 0.000 | 0.642 | 0.242 | 0.226 | 0.727 | 21.570 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:16:26 | 19710.000 | 26.300 | 0.000 | 0.000 | 5849.000 | 163000.000 | 182100.000 | 83% | 1.754 |
| 2 | 20:17:34 | 19650.000 | 21.240 | 0.000 | 0.000 | 5715.000 | 159700.000 | 177700.000 | 83% | 0.910 |
| 3 | 20:18:42 | 19860.000 | 19.890 | 0.000 | 0.000 | 5758.000 | 160700.000 | 179300.000 | 83% | 0.592 |
| x | | 19740.000 | 22.480 | 0.000 | 0.000 | 5774.000 | 161200.000 | 179700.000 | 83% | 1.085 |
| σ | | 110.200 | 3.377 | 0.000 | 0.000 | 68.760 | 1702.000 | 2228.000 | 1% | 0.600 |
| %RSD | | 0.558 | 15.030 | 0.000 | 0.000 | 1.191 | 1.056 | 1.240 | 1 | 55.320 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:16:26 | 29.880 | 1.541 | 177.300 | 152.000 | 2.267 | 154.600 | 804.900 | 0.219 | 15.670 |
| 2 | 20:17:34 | 30.540 | 1.337 | 180.900 | 139.900 | 2.008 | 146.000 | 792.500 | 0.119 | 14.190 |
| 3 | 20:18:42 | 29.200 | 1.505 | 192.900 | 138.100 | 1.903 | 144.900 | 779.400 | 0.025 | 14.800 |
| x | | 29.870 | 1.461 | 183.700 | 143.300 | 2.059 | 148.500 | 792.300 | 0.121 | 14.890 |
| σ | | 0.673 | 0.109 | 8.174 | 7.565 | 0.187 | 5.299 | 12.730 | 0.097 | 0.745 |
| %RSD | | 2.253 | 7.471 | 4.449 | 5.278 | 9.102 | 3.568 | 1.606 | 79.740 | 5.001 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:16:26 | 26.350 | 25.870 | 80.610 | 7.939 | 10.690 | 0.806 | 7.719 | 10.740 | -1.755 |
| 2 | 20:17:34 | 24.820 | 24.800 | 77.790 | 6.371 | 10.060 | 1.069 | 7.837 | 10.090 | 2.812 |
| 3 | 20:18:42 | 24.910 | 24.970 | 79.560 | 7.744 | 9.993 | 0.953 | 9.108 | 10.030 | 2.646 |
| x | | 25.360 | 25.210 | 79.320 | 7.351 | 10.250 | 0.943 | 8.221 | 10.290 | 1.234 |
| σ | | 0.858 | 0.576 | 1.427 | 0.855 | 0.385 | 0.132 | 0.770 | 0.395 | 2.590 |
| %RSD | | 3.382 | 2.285 | 1.799 | 11.630 | 3.755 | 13.950 | 9.363 | 3.838 | 209.900 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:16:26 | 3.004 | 1.876 | 2.188 | 2.058 | 1.890 | 0.007 | 76% | 2.686 | 0.176 |
| 2 | 20:17:34 | 1.996 | 1.826 | 1.636 | 1.606 | 1.648 | -0.001 | 79% | 2.390 | 0.062 |
| 3 | 20:18:42 | 1.632 | 1.691 | 1.426 | 1.729 | 1.538 | 0.003 | 78% | 0.523 | 0.075 |
| x | | 2.211 | 1.798 | 1.750 | 1.798 | 1.692 | 0.003 | 78% | 1.866 | 0.104 |
| σ | | 0.711 | 0.096 | 0.393 | 0.234 | 0.180 | 0.004 | 1% | 1.173 | 0.063 |
| %RSD | | 32.160 | 5.332 | 22.480 | 12.990 | 10.630 | 135.700 | 1 | 62.830 | 60.160 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:16:26 | -1.207 | 2.674 | 0.185 | 0.365 | 0.425 | 0.393 | 60.110 | 59.730 | 82% |
| 2 | 20:17:34 | -1.236 | 2.379 | 0.076 | 0.263 | 0.283 | 0.222 | 57.470 | 58.450 | 84% |
| 3 | 20:18:42 | -0.083 | 0.510 | 0.046 | 0.024 | 0.239 | 0.222 | 56.790 | 58.210 | 84% |
| x | | -0.842 | 1.854 | 0.102 | 0.217 | 0.316 | 0.279 | 58.120 | 58.800 | 83% |
| σ | | 0.658 | 1.173 | 0.073 | 0.175 | 0.097 | 0.099 | 1.751 | 0.818 | 1% |
| %RSD | | 78.100 | 63.270 | 71.350 | 80.730 | 30.750 | 35.440 | 3.013 | 1.391 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:16:26 | 82% | 0.346 | 0.350 | 3.135 | 3.009 | 3.093 | 81% | 5.149 |
| 2 | 20:17:34 | 85% | 0.145 | 0.152 | 2.907 | 2.726 | 2.876 | 83% | 5.063 |
| 3 | 20:18:42 | 85% | 0.070 | 0.082 | 2.884 | 2.714 | 2.834 | 83% | 5.001 |
| x | | 84% | 0.187 | 0.195 | 2.975 | 2.816 | 2.934 | 82% | 5.071 |
| σ | | 1% | 0.143 | 0.139 | 0.139 | 0.167 | 0.139 | 1% | 0.075 |
| %RSD | | 2 | 76.390 | 71.350 | 4.656 | 5.930 | 4.740 | 1 | 1.472 |

**C1881-03 MF3T80D** 05/01/2011 08:23:14 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:24:22 | 84% | -0.121 | 469.200 | 0.000 | 130400.000 | 26100.000 | 25830.000 | 25170.000 | 6.141 |
| 2 | 20:25:30 | 81% | -0.110 | 458.600 | 0.000 | 130000.000 | 26100.000 | 26050.000 | 25310.000 | 5.594 |
| 3 | 20:26:38 | 87% | -0.103 | 472.100 | 0.000 | 128700.000 | 25490.000 | 25560.000 | 24930.000 | 4.895 |
| x | | 84% | -0.112 | 466.600 | 0.000 | 129700.000 | 25900.000 | 25810.000 | 25140.000 | 5.543 |
| σ | | 3% | 0.009 | 7.104 | 0.000 | 878.000 | 352.100 | 241.600 | 188.800 | 0.625 |
| %RSD | | 3 | 8.325 | 1.522 | 0.000 | 0.677 | 1.360 | 0.936 | 0.751 | 11.270 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:24:22 | 19340.000 | 22.220 | 0.000 | 0.000 | 5689.000 | 162100.000 | 181400.000 | 83% | 1.215 |
| 2 | 20:25:30 | 19510.000 | 23.900 | 0.000 | 0.000 | 5720.000 | 161200.000 | 179300.000 | 82% | 1.117 |
| 3 | 20:26:38 | 19270.000 | 19.100 | 0.000 | 0.000 | 5666.000 | 161300.000 | 180600.000 | 84% | 1.229 |
| x | | 19380.000 | 21.740 | 0.000 | 0.000 | 5692.000 | 161500.000 | 180400.000 | 83% | 1.187 |
| σ | | 123.100 | 2.434 | 0.000 | 0.000 | 27.170 | 512.700 | 1040.000 | 1% | 0.061 |
| %RSD | | 0.636 | 11.190 | 0.000 | 0.000 | 0.477 | 0.317 | 0.576 | 1 | 5.121 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:24:22 | 28.490 | 1.363 | 183.100 | 133.400 | 1.871 | 140.800 | 692.400 | 0.019 | 13.890 |
| 2 | 20:25:30 | 30.750 | 1.201 | 187.800 | 136.900 | 1.852 | 139.400 | 674.500 | -0.044 | 14.260 |
| 3 | 20:26:38 | 28.650 | 1.401 | 193.600 | 130.900 | 1.766 | 138.300 | 673.100 | -0.085 | 14.170 |
| x | | 29.300 | 1.321 | 188.200 | 133.700 | 1.830 | 139.500 | 680.000 | -0.037 | 14.110 |
| σ | | 1.263 | 0.106 | 5.242 | 2.983 | 0.056 | 1.270 | 10.750 | 0.053 | 0.192 |
| %RSD | | 4.312 | 8.037 | 2.786 | 2.231 | 3.055 | 0.910 | 1.581 | 144.200 | 1.359 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:24:22 | 24.090 | 24.020 | 80.760 | 6.525 | 11.660 | 1.106 | 9.096 | 11.710 | 0.091 |
| 2 | 20:25:30 | 24.020 | 24.050 | 77.240 | 7.724 | 10.960 | 0.872 | 7.903 | 10.990 | -0.885 |
| 3 | 20:26:38 | 24.620 | 24.610 | 78.910 | 6.757 | 10.190 | 1.135 | 7.700 | 10.220 | 1.925 |
| x | | 24.250 | 24.230 | 78.970 | 7.002 | 10.940 | 1.038 | 8.233 | 10.970 | 0.377 |
| σ | | 0.328 | 0.328 | 1.758 | 0.636 | 0.737 | 0.144 | 0.754 | 0.745 | 1.427 |
| %RSD | | 1.351 | 1.354 | 2.227 | 9.084 | 6.735 | 13.870 | 9.162 | 6.787 | 378.300 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:24:22 | 1.198 | 1.382 | 1.609 | 1.499 | 1.363 | 0.007 | 79% | -0.021 | 0.064 |
| 2 | 20:25:30 | 1.255 | 1.535 | 1.432 | 1.564 | 1.518 | -0.001 | 79% | 1.020 | 0.035 |
| 3 | 20:26:38 | 1.138 | 1.356 | 1.353 | 1.550 | 1.391 | 0.007 | 80% | -0.121 | 0.015 |
| x | | 1.197 | 1.424 | 1.465 | 1.538 | 1.424 | 0.004 | 79% | 0.292 | 0.038 |
| σ | | 0.058 | 0.097 | 0.131 | 0.034 | 0.082 | 0.005 | 1% | 0.632 | 0.024 |
| %RSD | | 4.869 | 6.800 | 8.942 | 2.231 | 5.792 | 108.300 | 1 | 216.000 | 64.190 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:24:22 | 0.154 | -0.036 | 0.063 | 0.026 | 0.232 | 0.127 | 59.260 | 60.550 | 85% |
| 2 | 20:25:30 | -0.602 | 1.005 | 0.022 | 0.080 | 0.165 | 0.113 | 58.620 | 58.680 | 85% |
| 3 | 20:26:38 | 0.026 | -0.135 | 0.013 | 0.009 | 0.136 | 0.061 | 57.190 | 57.610 | 87% |
| x | | -0.140 | 0.278 | 0.033 | 0.038 | 0.177 | 0.100 | 58.360 | 58.950 | 86% |
| σ | | 0.405 | 0.632 | 0.026 | 0.037 | 0.049 | 0.035 | 1.063 | 1.487 | 1% |
| %RSD | | 288.100 | 227.100 | 80.910 | 97.250 | 27.900 | 34.970 | 1.822 | 2.523 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:24:22 | 86% | 0.051 | 0.072 | 2.805 | 2.783 | 2.786 | 85% | 5.014 |
| 2 | 20:25:30 | 86% | 0.004 | 0.014 | 2.862 | 2.611 | 2.759 | 85% | 4.928 |
| 3 | 20:26:38 | 88% | -0.012 | -0.009 | 2.816 | 2.746 | 2.805 | 86% | 4.950 |
| x | | 86% | 0.014 | 0.026 | 2.828 | 2.713 | 2.783 | 85% | 4.964 |
| σ | | 1% | 0.033 | 0.042 | 0.030 | 0.091 | 0.023 | 0% | 0.045 |
| %RSD | | 1 | 228.900 | 161.400 | 1.064 | 3.340 | 0.820 | 1 | 0.903 |

**C1881-04 MF3T80S** 05/01/2011 08:31:11 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:32:19 | 84% | 44.160 | 480.300 | 0.000 | 130500.000 | 26060.000 | 25790.000 | 25220.000 | 1771.000 |
| 2 | 20:33:27 | 84% | 44.020 | 468.100 | 0.000 | 125400.000 | 25050.000 | 24900.000 | 24370.000 | 1709.000 |
| 3 | 20:34:35 | 83% | 43.670 | 471.100 | 0.000 | 126900.000 | 25270.000 | 25350.000 | 24750.000 | 1721.000 |
| x | | 84% | 43.950 | 473.200 | 0.000 | 127600.000 | 25460.000 | 25350.000 | 24780.000 | 1733.000 |
| σ | | 1% | 0.252 | 6.350 | 0.000 | 2613.000 | 529.400 | 442.600 | 425.200 | 32.820 |
| %RSD | | 1 | 0.573 | 1.342 | 0.000 | 2.047 | 2.079 | 1.746 | 1.716 | 1.894 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:32:19 | 19960.000 | 21.140 | 0.000 | 0.000 | 5770.000 | 163000.000 | 182500.000 | 81% | 0.451 |
| 2 | 20:33:27 | 19250.000 | 18.030 | 0.000 | 0.000 | 5518.000 | 157300.000 | 172700.000 | 82% | 0.532 |
| 3 | 20:34:35 | 19380.000 | 19.050 | 0.000 | 0.000 | 5559.000 | 158400.000 | 174400.000 | 81% | 0.934 |
| x | | 19530.000 | 19.410 | 0.000 | 0.000 | 5616.000 | 159600.000 | 176500.000 | 81% | 0.639 |
| σ | | 377.900 | 1.585 | 0.000 | 0.000 | 135.100 | 3013.000 | 5249.000 | 1% | 0.259 |
| %RSD | | 1.935 | 8.166 | 0.000 | 0.000 | 2.405 | 1.889 | 2.973 | 1 | 40.470 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:32:19 | 475.800 | 169.900 | 240.200 | 1017.000 | 446.700 | 1005.000 | 1574.000 | 439.500 | 458.500 |
| 2 | 20:33:27 | 456.500 | 162.600 | 244.900 | 969.200 | 424.200 | 962.500 | 1446.000 | 417.300 | 429.700 |
| 3 | 20:34:35 | 455.000 | 162.600 | 265.600 | 977.300 | 430.300 | 970.800 | 1527.000 | 425.600 | 435.700 |
| x | | 462.400 | 165.000 | 250.300 | 988.000 | 433.700 | 979.400 | 1516.000 | 427.500 | 441.300 |
| σ | | 11.620 | 4.217 | 13.520 | 25.850 | 11.620 | 22.510 | 64.590 | 11.240 | 15.220 |
| %RSD | | 2.512 | 2.555 | 5.402 | 2.616 | 2.680 | 2.299 | 4.261 | 2.630 | 3.449 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:32:19 | 246.400 | 249.700 | 517.400 | 46.720 | 22.700 | 1.418 | 19.130 | 22.810 | 2.688 |
| 2 | 20:33:27 | 232.800 | 233.900 | 491.000 | 43.770 | 19.820 | 1.527 | 16.970 | 19.890 | 3.751 |
| 3 | 20:34:35 | 236.200 | 236.600 | 505.200 | 45.540 | 20.410 | 1.150 | 16.750 | 20.470 | -2.447 |
| x | | 238.500 | 240.100 | 504.500 | 45.340 | 20.980 | 1.365 | 17.620 | 21.060 | 1.331 |
| σ | | 7.040 | 8.488 | 13.200 | 1.485 | 1.523 | 0.194 | 1.314 | 1.547 | 3.315 |
| %RSD | | 2.952 | 3.536 | 2.615 | 3.276 | 7.262 | 14.200 | 7.459 | 7.346 | 249.100 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:32:19 | 0.932 | 1.574 | 1.397 | 1.612 | 1.594 | -0.001 | 75% | 40.100 | 48.910 |
| 2 | 20:33:27 | 1.012 | 1.367 | 1.421 | 1.596 | 1.344 | 0.011 | 77% | 38.630 | 46.700 |
| 3 | 20:34:35 | 1.012 | 1.382 | 1.462 | 1.437 | 1.302 | 0.007 | 77% | 43.240 | 46.760 |
| x | | 0.985 | 1.441 | 1.427 | 1.549 | 1.413 | 0.006 | 77% | 40.660 | 47.460 |
| σ | | 0.046 | 0.115 | 0.033 | 0.097 | 0.158 | 0.006 | 1% | 2.357 | 1.260 |
| %RSD | | 4.697 | 7.997 | 2.290 | 6.240 | 11.160 | 108.500 | 1 | 5.797 | 2.655 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:32:19 | 3.027 | 40.090 | 48.980 | 46.450 | 0.198 | 95.160 | 1907.000 | 1898.000 | 81% |
| 2 | 20:33:27 | 3.402 | 38.620 | 46.710 | 43.270 | 0.117 | 90.920 | 1815.000 | 1809.000 | 84% |
| 3 | 20:34:35 | -0.428 | 43.250 | 46.850 | 46.690 | 0.111 | 90.960 | 1823.000 | 1818.000 | 83% |
| x | | 2.000 | 40.650 | 47.510 | 45.470 | 0.142 | 92.350 | 1848.000 | 1842.000 | 83% |
| σ | | 2.112 | 2.364 | 1.275 | 1.911 | 0.049 | 2.436 | 50.740 | 48.890 | 1% |
| %RSD | | 105.600 | 5.815 | 2.684 | 4.202 | 34.490 | 2.638 | 2.745 | 2.654 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:32:19 | 83% | 47.940 | 47.610 | 23.040 | 21.320 | 22.140 | 80% | 5.146 |
| 2 | 20:33:27 | 85% | 45.950 | 45.450 | 21.770 | 20.070 | 20.820 | 82% | 4.852 |
| 3 | 20:34:35 | 84% | 47.120 | 46.940 | 22.040 | 20.250 | 21.110 | 82% | 4.835 |
| x | | 84% | 47.000 | 46.670 | 22.290 | 20.550 | 21.350 | 81% | 4.944 |
| σ | | 1% | 1.001 | 1.102 | 0.670 | 0.673 | 0.696 | 1% | 0.175 |
| %RSD | | 1 | 2.129 | 2.362 | 3.008 | 3.275 | 3.261 | 2 | 3.530 |

**C1881-02LX5 MF3T80L** 05/01/2011 08:39:08 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:40:16 | 89% | -0.143 | 108.500 | 0.000 | 26850.000 | 5408.000 | 5139.000 | 5171.000 | 0.490 |
| 2 | 20:41:24 | 92% | -0.106 | 105.300 | 0.000 | 26160.000 | 5241.000 | 5091.000 | 5068.000 | 0.700 |
| 3 | 20:42:32 | 91% | -0.068 | 109.200 | 0.000 | 26690.000 | 5389.000 | 5097.000 | 5237.000 | 0.511 |
| x | | 91% | -0.106 | 107.700 | 0.000 | 26570.000 | 5346.000 | 5109.000 | 5158.000 | 0.567 |
| σ | | 1% | 0.038 | 2.083 | 0.000 | 359.900 | 91.240 | 25.960 | 85.240 | 0.116 |
| %RSD | | 1 | 35.490 | 1.935 | 0.000 | 1.355 | 1.707 | 0.508 | 1.653 | 20.400 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:40:16 | 3936.000 | 8.789 | 0.000 | 0.000 | 1124.000 | 33150.000 | 34870.000 | 89% | -0.322 |
| 2 | 20:41:24 | 3859.000 | 3.671 | 0.000 | 0.000 | 1109.000 | 32790.000 | 34390.000 | 90% | -0.457 |
| 3 | 20:42:32 | 3971.000 | 7.181 | 0.000 | 0.000 | 1120.000 | 33110.000 | 34880.000 | 90% | -0.428 |
| x | | 3922.000 | 6.547 | 0.000 | 0.000 | 1118.000 | 33020.000 | 34710.000 | 90% | -0.403 |
| σ | | 57.000 | 2.617 | 0.000 | 0.000 | 8.102 | 198.900 | 281.900 | 1% | 0.071 |
| %RSD | | 1.453 | 39.980 | 0.000 | 0.000 | 0.725 | 0.602 | 0.812 | 1 | 17.620 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:40:16 | 6.017 | 0.304 | 69.530 | 29.400 | 0.341 | 25.740 | 134.700 | -0.020 | 2.727 |
| 2 | 20:41:24 | 6.032 | 0.245 | 67.310 | 29.400 | 0.351 | 25.660 | 134.200 | -0.027 | 2.900 |
| 3 | 20:42:32 | 5.743 | 0.306 | 66.800 | 31.640 | 0.384 | 25.290 | 144.300 | -0.012 | 2.964 |
| x | | 5.931 | 0.285 | 67.880 | 30.150 | 0.359 | 25.560 | 137.700 | -0.020 | 2.864 |
| σ | | 0.163 | 0.035 | 1.449 | 1.290 | 0.023 | 0.242 | 5.682 | 0.007 | 0.123 |
| %RSD | | 2.750 | 12.170 | 2.134 | 4.280 | 6.317 | 0.946 | 4.125 | 37.040 | 4.288 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:40:16 | 5.020 | 4.827 | 15.190 | 1.589 | 1.521 | 0.319 | 1.135 | 1.521 | 0.636 |
| 2 | 20:41:24 | 5.036 | 5.121 | 16.690 | 1.827 | 1.466 | 0.226 | 1.169 | 1.467 | 2.714 |
| 3 | 20:42:32 | 4.841 | 5.133 | 15.990 | 1.850 | 2.437 | 0.242 | 0.684 | 2.436 | 1.946 |
| x | | 4.966 | 5.027 | 15.960 | 1.755 | 1.808 | 0.262 | 0.996 | 1.808 | 1.765 |
| σ | | 0.108 | 0.173 | 0.753 | 0.144 | 0.545 | 0.050 | 0.271 | 0.545 | 1.051 |
| %RSD | | 2.174 | 3.443 | 4.717 | 8.226 | 30.170 | 18.930 | 27.170 | 30.120 | 59.540 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:40:16 | 0.184 | 0.241 | 0.240 | 0.191 | 0.309 | 0.003 | 87% | 1.110 | -0.016 |
| 2 | 20:41:24 | 0.077 | 0.249 | 0.238 | 0.223 | 0.262 | 0.003 | 88% | -0.090 | -0.023 |
| 3 | 20:42:32 | 0.135 | 0.194 | 0.220 | 0.202 | 0.218 | -0.001 | 89% | -0.158 | -0.013 |
| x | | 0.132 | 0.228 | 0.233 | 0.205 | 0.263 | 0.001 | 88% | 0.287 | -0.017 |
| σ | | 0.053 | 0.030 | 0.011 | 0.016 | 0.046 | 0.002 | 1% | 0.713 | 0.005 |
| %RSD | | 40.430 | 13.170 | 4.614 | 7.740 | 17.400 | 154.700 | 1 | 248.300 | 30.150 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:40:16 | -0.602 | 1.107 | -0.016 | -0.009 | -0.014 | -0.001 | 11.300 | 11.530 | 89% |
| 2 | 20:41:24 | 0.005 | -0.096 | -0.014 | -0.056 | -0.028 | -0.019 | 11.210 | 12.140 | 91% |
| 3 | 20:42:32 | 0.095 | -0.162 | 0.001 | -0.073 | -0.013 | -0.015 | 10.860 | 11.200 | 91% |
| x | | -0.168 | 0.283 | -0.010 | -0.046 | -0.018 | -0.012 | 11.130 | 11.620 | 90% |
| σ | | 0.379 | 0.714 | 0.009 | 0.033 | 0.009 | 0.009 | 0.236 | 0.478 | 1% |
| %RSD | | 226.500 | 252.500 | 95.790 | 72.090 | 47.070 | 79.700 | 2.121 | 4.109 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:40:16 | 90% | 0.135 | 0.140 | 0.462 | 0.415 | 0.469 | 89% | 0.936 |
| 2 | 20:41:24 | 91% | 0.092 | 0.086 | 0.495 | 0.435 | 0.476 | 91% | 0.902 |
| 3 | 20:42:32 | 91% | 0.051 | 0.073 | 0.515 | 0.469 | 0.495 | 91% | 0.923 |
| x | | 91% | 0.093 | 0.100 | 0.491 | 0.440 | 0.480 | 90% | 0.920 |
| σ | | 1% | 0.042 | 0.035 | 0.027 | 0.027 | 0.013 | 2% | 0.017 |
| %RSD | | 1 | 45.100 | 35.550 | 5.452 | 6.172 | 2.790 | 2 | 1.840 |

**C1881-05 MF3TA7** 05/01/2011 08:47:06 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:48:14 | 87% | -0.094 | 1445.000 | 0.000 | 402600.000 | 60180.000 | 59410.000 | 58920.000 | 1.006 |
| 2 | 20:49:22 | 86% | -0.113 | 1447.000 | 0.000 | 405600.000 | 60620.000 | 59880.000 | 59740.000 | 0.695 |
| 3 | 20:50:30 | 86% | -0.123 | 1460.000 | 0.000 | 397000.000 | 58960.000 | 58730.000 | 58380.000 | 0.691 |
| x | | 86% | -0.110 | 1451.000 | 0.000 | 401800.000 | 59920.000 | 59340.000 | 59020.000 | 0.798 |
| σ | | 1% | 0.015 | 8.457 | 0.000 | 4365.000 | 860.100 | 573.900 | 684.100 | 0.181 |
| %RSD | | 1 | 13.510 | 0.583 | 0.000 | 1.086 | 1.435 | 0.967 | 1.159 | 22.680 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:48:14 | 22800.000 | -4.852 | 0.000 | 0.000 | 6601.000 | 232700.000 | 261600.000 | 93% | 1.028 |
| 2 | 20:49:22 | 23280.000 | -2.699 | 0.000 | 0.000 | 6807.000 | 240500.000 | 269200.000 | 89% | 0.760 |
| 3 | 20:50:30 | 22790.000 | -6.618 | 0.000 | 0.000 | 6633.000 | 234800.000 | 261500.000 | 92% | 0.824 |
| x | | 22960.000 | -4.723 | 0.000 | 0.000 | 6680.000 | 236000.000 | 264100.000 | 91% | 0.871 |
| σ | | 282.100 | 1.962 | 0.000 | 0.000 | 110.900 | 3998.000 | 4384.000 | 2% | 0.140 |
| %RSD | | 1.229 | 41.550 | 0.000 | 0.000 | 1.660 | 1.694 | 1.660 | 2 | 16.070 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:48:14 | 38.920 | 1.188 | 146.100 | -1.274 | 0.278 | 6.699 | 835.500 | 0.001 | 2.713 |
| 2 | 20:49:22 | 39.410 | 1.388 | 158.500 | 0.494 | 0.199 | 8.135 | 844.900 | -0.062 | 2.821 |
| 3 | 20:50:30 | 38.110 | 1.219 | 159.700 | -0.956 | 0.177 | 6.955 | 798.500 | -0.139 | 2.824 |
| x | | 38.820 | 1.265 | 154.800 | -0.579 | 0.218 | 7.263 | 826.300 | -0.066 | 2.786 |
| σ | | 0.657 | 0.108 | 7.533 | 0.942 | 0.053 | 0.766 | 24.520 | 0.070 | 0.063 |
| %RSD | | 1.693 | 8.502 | 4.867 | 162.800 | 24.480 | 10.550 | 2.968 | 105.600 | 2.264 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:48:14 | 44.830 | 44.750 | 16.630 | 8.153 | 23.090 | 0.765 | 10.680 | 23.500 | 3.980 |
| 2 | 20:49:22 | 44.950 | 46.990 | 16.180 | 7.284 | 22.310 | 1.036 | 11.930 | 22.660 | 2.625 |
| 3 | 20:50:30 | 44.180 | 45.020 | 15.600 | 7.877 | 20.500 | 0.942 | 10.250 | 20.850 | 0.872 |
| x | | 44.650 | 45.590 | 16.140 | 7.771 | 21.970 | 0.914 | 10.950 | 22.340 | 2.492 |
| σ | | 0.413 | 1.222 | 0.519 | 0.444 | 1.329 | 0.137 | 0.873 | 1.356 | 1.558 |
| %RSD | | 0.924 | 2.680 | 3.213 | 5.712 | 6.051 | 15.020 | 7.966 | 6.069 | 62.530 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:48:14 | 5.702 | 1.166 | 0.847 | 0.993 | 1.051 | 0.008 | 74% | -0.157 | 0.031 |
| 2 | 20:49:22 | 6.969 | 1.170 | 0.955 | 1.047 | 1.038 | 0.012 | 73% | -1.190 | 0.009 |
| 3 | 20:50:30 | 7.331 | 1.159 | 0.957 | 1.251 | 1.016 | 0.003 | 74% | 0.605 | -0.009 |
| x | | 6.667 | 1.165 | 0.919 | 1.097 | 1.035 | 0.008 | 74% | -0.248 | 0.010 |
| σ | | 0.855 | 0.006 | 0.063 | 0.136 | 0.018 | 0.004 | 1% | 0.901 | 0.020 |
| %RSD | | 12.830 | 0.485 | 6.835 | 12.380 | 1.694 | 58.450 | 1 | 364.100 | 196.100 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:48:14 | 0.178 | -0.176 | 0.035 | -0.057 | 0.463 | 0.091 | 27.300 | 28.020 | 83% |
| 2 | 20:49:22 | 0.749 | -1.210 | 0.030 | -0.128 | 0.515 | 0.046 | 27.950 | 28.210 | 82% |
| 3 | 20:50:30 | -0.243 | 0.588 | -0.006 | -0.026 | 0.516 | 0.079 | 27.450 | 27.290 | 82% |
| x | | 0.228 | -0.266 | 0.020 | -0.071 | 0.498 | 0.072 | 27.570 | 27.840 | 82% |
| σ | | 0.498 | 0.902 | 0.022 | 0.052 | 0.031 | 0.023 | 0.336 | 0.483 | 1% |
| %RSD | | 218.500 | 339.000 | 114.500 | 73.810 | 6.155 | 32.090 | 1.219 | 1.736 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:48:14 | 83% | 0.022 | 0.029 | 6.123 | 5.471 | 5.789 | 80% | 10.660 |
| 2 | 20:49:22 | 83% | 0.001 | 0.025 | 6.085 | 5.539 | 5.812 | 78% | 10.670 |
| 3 | 20:50:30 | 83% | -0.011 | 0.008 | 5.950 | 5.536 | 5.769 | 80% | 10.520 |
| x | | 83% | 0.004 | 0.021 | 6.053 | 5.515 | 5.790 | 79% | 10.620 |
| σ | | 0% | 0.017 | 0.011 | 0.091 | 0.038 | 0.022 | 1% | 0.083 |
| %RSD | | 1 | 419.700 | 55.720 | 1.507 | 0.695 | 0.376 | 1 | 0.786 |

**C1881-02X25 MF3T80** 05/01/2011 08:55:05 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:56:13 | 96% | -0.154 | 49.280 | 0.000 | 5410.000 | 1025.000 | 1029.000 | 1033.000 | 0.031 |
| 2 | 20:57:21 | 95% | -0.091 | 41.000 | 0.000 | 5349.000 | 1030.000 | 1032.000 | 1030.000 | 0.072 |
| 3 | 20:58:29 | 96% | -0.118 | 35.650 | 0.000 | 5382.000 | 1021.000 | 1022.000 | 1027.000 | 0.093 |
| x | | 96% | -0.121 | 41.980 | 0.000 | 5380.000 | 1025.000 | 1028.000 | 1030.000 | 0.065 |
| σ | | 0% | 0.032 | 6.870 | 0.000 | 30.190 | 4.752 | 4.943 | 2.808 | 0.031 |
| %RSD | | 1 | 26.150 | 16.370 | 0.000 | 0.561 | 0.463 | 0.481 | 0.273 | 47.710 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:56:13 | 802.000 | 5.699 | 0.000 | 0.000 | 207.400 | 6496.000 | 6842.000 | 94% | -0.935 |
| 2 | 20:57:21 | 805.100 | 1.345 | 0.000 | 0.000 | 207.100 | 6453.000 | 6913.000 | 94% | -0.786 |
| 3 | 20:58:29 | 799.300 | 2.639 | 0.000 | 0.000 | 203.300 | 6219.000 | 6752.000 | 95% | -0.877 |
| x | | 802.100 | 3.227 | 0.000 | 0.000 | 206.000 | 6389.000 | 6836.000 | 94% | -0.866 |
| σ | | 2.911 | 2.236 | 0.000 | 0.000 | 2.299 | 149.000 | 80.920 | 0% | 0.075 |
| %RSD | | 0.363 | 69.280 | 0.000 | 0.000 | 1.116 | 2.332 | 1.184 | 0 | 8.652 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:56:13 | 1.325 | 0.189 | 34.770 | 8.579 | -0.018 | 5.050 | 24.570 | -0.050 | 0.527 |
| 2 | 20:57:21 | 0.618 | 0.094 | 33.740 | 8.571 | 0.012 | 5.258 | 29.740 | -0.042 | 0.509 |
| 3 | 20:58:29 | 2.136 | 0.162 | 29.210 | 6.715 | 0.026 | 4.848 | 29.390 | -0.031 | 0.334 |
| x | | 1.359 | 0.148 | 32.570 | 7.955 | 0.007 | 5.052 | 27.900 | -0.041 | 0.457 |
| σ | | 0.760 | 0.049 | 2.960 | 1.074 | 0.022 | 0.205 | 2.887 | 0.009 | 0.107 |
| %RSD | | 55.880 | 32.990 | 9.088 | 13.500 | 338.900 | 4.058 | 10.350 | 22.550 | 23.370 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:56:13 | 0.788 | 0.929 | 2.893 | 0.232 | -0.937 | 0.196 | -0.230 | -0.938 | 6.282 |
| 2 | 20:57:21 | 0.827 | 0.925 | 2.889 | 0.510 | 0.568 | 0.147 | -0.216 | 0.569 | 0.262 |
| 3 | 20:58:29 | 0.739 | 0.772 | 2.648 | 0.196 | 0.211 | 0.161 | 0.204 | 0.212 | 2.285 |
| x | | 0.785 | 0.875 | 2.810 | 0.313 | -0.053 | 0.168 | -0.081 | -0.053 | 2.943 |
| σ | | 0.045 | 0.090 | 0.141 | 0.172 | 0.787 | 0.025 | 0.247 | 0.788 | 3.063 |
| %RSD | | 5.679 | 10.250 | 5.004 | 55.010 | 1493.000 | 15.130 | 306.200 | 1494.000 | 104.100 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:56:13 | -0.020 | 0.021 | -0.007 | 0.083 | 0.025 | -0.001 | 91% | 1.528 | -0.025 |
| 2 | 20:57:21 | -0.036 | 0.010 | -0.003 | -0.029 | -0.006 | 0.010 | 92% | -0.099 | -0.018 |
| 3 | 20:58:29 | -0.010 | 0.015 | 0.031 | 0.034 | 0.000 | -0.001 | 92% | 0.785 | -0.020 |
| x | | -0.022 | 0.015 | 0.007 | 0.029 | 0.006 | 0.002 | 92% | 0.738 | -0.021 |
| σ | | 0.013 | 0.005 | 0.021 | 0.056 | 0.016 | 0.006 | 0% | 0.814 | 0.003 |
| %RSD | | 60.510 | 34.150 | 305.400 | 191.000 | 254.800 | 250.400 | 0 | 110.400 | 16.280 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:56:13 | -0.837 | 1.529 | -0.022 | 0.030 | -0.087 | -0.043 | 2.094 | 1.953 | 93% |
| 2 | 20:57:21 | 0.060 | -0.101 | -0.018 | -0.082 | -0.056 | -0.055 | 1.964 | 2.125 | 93% |
| 3 | 20:58:29 | -0.428 | 0.784 | -0.015 | -0.022 | -0.069 | -0.045 | 2.152 | 2.130 | 93% |
| x | | -0.402 | 0.737 | -0.018 | -0.025 | -0.071 | -0.048 | 2.070 | 2.070 | 93% |
| σ | | 0.449 | 0.816 | 0.003 | 0.056 | 0.016 | 0.006 | 0.096 | 0.101 | 0% |
| %RSD | | 111.800 | 110.700 | 18.170 | 229.900 | 22.120 | 13.340 | 4.660 | 4.869 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 20:56:13 | 93% | -0.031 | -0.010 | 0.055 | 0.033 | 0.035 | 93% | 0.138 |
| 2 | 20:57:21 | 93% | -0.017 | -0.018 | 0.047 | 0.027 | 0.031 | 93% | 0.151 |
| 3 | 20:58:29 | 93% | -0.029 | -0.016 | 0.025 | 0.019 | 0.019 | 94% | 0.137 |
| x | | 93% | -0.026 | -0.015 | 0.043 | 0.026 | 0.029 | 94% | 0.142 |
| σ | | 0% | 0.008 | 0.004 | 0.016 | 0.007 | 0.008 | 0% | 0.008 |
| %RSD | | 0 | 29.480 | 28.400 | 36.360 | 26.920 | 29.020 | 1 | 5.456 |

**C1881-03X25 MF3T80D** 05/01/2011 09:03:03 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:04:11 | 90% | -0.087 | 30.450 | 0.000 | 5789.000 | 1089.000 | 1091.000 | 1098.000 | 0.162 |
| 2 | 21:05:19 | 93% | -0.034 | 30.370 | 0.000 | 5550.000 | 1043.000 | 1047.000 | 1065.000 | 0.145 |
| 3 | 21:06:27 | 95% | -0.117 | 32.630 | 0.000 | 5454.000 | 1039.000 | 1043.000 | 1051.000 | 0.160 |
| x | | 93% | -0.079 | 31.150 | 0.000 | 5597.000 | 1057.000 | 1060.000 | 1071.000 | 0.155 |
| σ | | 2% | 0.042 | 1.285 | 0.000 | 172.300 | 27.590 | 26.500 | 24.450 | 0.009 |
| %RSD | | 2 | 53.120 | 4.126 | 0.000 | 3.077 | 2.611 | 2.499 | 2.283 | 6.021 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:04:11 | 830.700 | 1.896 | 0.000 | 0.000 | 232.700 | 6964.000 | 7292.000 | 89% | -0.733 |
| 2 | 21:05:19 | 800.500 | 10.120 | 0.000 | 0.000 | 218.200 | 6786.000 | 7072.000 | 91% | -0.619 |
| 3 | 21:06:27 | 793.100 | 4.298 | 0.000 | 0.000 | 213.100 | 6826.000 | 7119.000 | 92% | -0.931 |
| x | | 808.100 | 5.438 | 0.000 | 0.000 | 221.400 | 6859.000 | 7161.000 | 90% | -0.761 |
| σ | | 19.910 | 4.229 | 0.000 | 0.000 | 10.160 | 93.290 | 115.600 | 2% | 0.158 |
| %RSD | | 2.464 | 77.760 | 0.000 | 0.000 | 4.589 | 1.360 | 1.615 | 2 | 20.750 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:04:11 | 0.116 | 0.116 | 27.550 | 11.240 | 0.061 | 7.222 | 26.390 | -0.025 | 0.569 |
| 2 | 21:05:19 | 1.404 | 0.099 | 24.840 | 11.130 | 0.044 | 5.967 | 26.700 | -0.029 | 0.502 |
| 3 | 21:06:27 | 1.246 | 0.094 | 23.340 | 9.612 | 0.046 | 5.799 | 23.230 | -0.033 | 0.422 |
| x | | 0.922 | 0.103 | 25.240 | 10.660 | 0.050 | 6.329 | 25.440 | -0.029 | 0.498 |
| σ | | 0.702 | 0.011 | 2.136 | 0.911 | 0.010 | 0.778 | 1.922 | 0.004 | 0.074 |
| %RSD | | 76.180 | 11.060 | 8.463 | 8.540 | 19.020 | 12.290 | 7.554 | 14.040 | 14.770 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:04:11 | 0.920 | 0.812 | 3.094 | -0.062 | -0.066 | 0.197 | -0.071 | -0.066 | 2.093 |
| 2 | 21:05:19 | 0.905 | 0.842 | 3.095 | 0.662 | 0.706 | 0.059 | 0.306 | 0.706 | -0.953 |
| 3 | 21:06:27 | 0.998 | 0.897 | 2.906 | 0.585 | 0.338 | 0.066 | -0.155 | 0.338 | -0.124 |
| x | | 0.941 | 0.850 | 3.032 | 0.395 | 0.326 | 0.107 | 0.026 | 0.326 | 0.338 |
| σ | | 0.050 | 0.044 | 0.109 | 0.398 | 0.386 | 0.078 | 0.246 | 0.386 | 1.575 |
| %RSD | | 5.330 | 5.118 | 3.585 | 100.700 | 118.500 | 72.840 | 928.500 | 118.500 | 465.300 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:04:11 | 0.016 | -0.003 | -0.028 | 0.007 | -0.010 | 0.003 | 88% | -0.696 | -0.013 |
| 2 | 21:05:19 | -0.013 | -0.004 | 0.007 | 0.013 | 0.023 | 0.006 | 90% | -0.084 | -0.021 |
| 3 | 21:06:27 | -0.035 | 0.006 | 0.029 | -0.020 | 0.004 | 0.006 | 90% | 0.601 | -0.016 |
| x | | -0.011 | -0.000 | 0.003 | -0.000 | 0.006 | 0.005 | 90% | -0.060 | -0.017 |
| σ | | 0.026 | 0.005 | 0.029 | 0.017 | 0.016 | 0.002 | 1% | 0.649 | 0.004 |
| %RSD | | 241.900 | 28690.000 | 1103.000 | 13970.000 | 283.900 | 41.120 | 1 | 1085.000 | 26.190 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:04:11 | 0.390 | -0.697 | -0.011 | -0.112 | -0.078 | -0.033 | 2.107 | 2.560 | 87% |
| 2 | 21:05:19 | 0.001 | -0.089 | -0.006 | -0.063 | -0.069 | -0.050 | 2.142 | 2.236 | 92% |
| 3 | 21:06:27 | -0.379 | 0.601 | -0.013 | -0.033 | -0.067 | -0.062 | 2.247 | 2.392 | 91% |
| x | | 0.004 | -0.062 | -0.010 | -0.069 | -0.072 | -0.048 | 2.165 | 2.396 | 90% |
| σ | | 0.384 | 0.649 | 0.004 | 0.040 | 0.006 | 0.014 | 0.073 | 0.162 | 2% |
| %RSD | | 9803.000 | 1055.000 | 34.870 | 57.150 | 7.932 | 29.780 | 3.351 | 6.774 | 3 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:04:11 | 88% | -0.034 | -0.020 | 0.047 | 0.053 | 0.050 | 89% | 0.167 |
| 2 | 21:05:19 | 92% | -0.034 | -0.024 | 0.037 | 0.053 | 0.044 | 93% | 0.148 |
| 3 | 21:06:27 | 92% | -0.028 | -0.025 | 0.038 | 0.031 | 0.039 | 93% | 0.154 |
| x | | 91% | -0.032 | -0.023 | 0.041 | 0.046 | 0.044 | 92% | 0.156 |
| σ | | 2% | 0.003 | 0.002 | 0.005 | 0.013 | 0.005 | 2% | 0.010 |
| %RSD | | 3 | 10.720 | 10.800 | 13.210 | 27.560 | 12.160 | 2 | 6.131 |

**C1881-04X25 MF3T80S** 05/01/2011 09:11:02 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:12:10 | 87% | 2.196 | 25.980 | 0.000 | 5671.000 | 1071.000 | 1059.000 | 1074.000 | 84.670 |
| 2 | 21:13:18 | 89% | 1.808 | 27.150 | 0.000 | 5666.000 | 1097.000 | 1106.000 | 1098.000 | 86.370 |
| 3 | 21:14:26 | 93% | 1.965 | 24.900 | 0.000 | 5314.000 | 1020.000 | 1026.000 | 1028.000 | 79.710 |
| x | | 90% | 1.989 | 26.010 | 0.000 | 5550.000 | 1063.000 | 1064.000 | 1067.000 | 83.580 |
| σ | | 3% | 0.195 | 1.125 | 0.000 | 204.400 | 39.360 | 40.090 | 35.450 | 3.461 |
| %RSD | | 3 | 9.816 | 4.327 | 0.000 | 3.683 | 3.703 | 3.769 | 3.324 | 4.140 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:12:10 | 793.900 | 0.179 | 0.000 | 0.000 | 221.300 | 6739.000 | 7074.000 | 89% | -0.957 |
| 2 | 21:13:18 | 827.800 | 0.909 | 0.000 | 0.000 | 225.100 | 6966.000 | 7360.000 | 88% | -0.923 |
| 3 | 21:14:26 | 755.100 | 0.772 | 0.000 | 0.000 | 195.100 | 6412.000 | 6876.000 | 93% | -0.842 |
| x | | 792.300 | 0.620 | 0.000 | 0.000 | 213.800 | 6706.000 | 7104.000 | 90% | -0.907 |
| σ | | 36.370 | 0.388 | 0.000 | 0.000 | 16.310 | 278.700 | 243.400 | 2% | 0.059 |
| %RSD | | 4.591 | 62.570 | 0.000 | 0.000 | 7.626 | 4.157 | 3.426 | 3 | 6.500 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:12:10 | 20.530 | 7.810 | 23.500 | 50.180 | 20.130 | 45.240 | 64.050 | 20.150 | 20.220 |
| 2 | 21:13:18 | 20.170 | 8.270 | 24.540 | 49.010 | 20.370 | 46.730 | 73.040 | 20.960 | 21.350 |
| 3 | 21:14:26 | 19.790 | 7.575 | 21.260 | 46.690 | 19.110 | 41.160 | 60.650 | 19.470 | 19.440 |
| x | | 20.160 | 7.885 | 23.100 | 48.620 | 19.870 | 44.370 | 65.920 | 20.200 | 20.340 |
| σ | | 0.367 | 0.354 | 1.674 | 1.777 | 0.666 | 2.885 | 6.400 | 0.746 | 0.962 |
| %RSD | | 1.820 | 4.485 | 7.246 | 3.655 | 3.350 | 6.501 | 9.710 | 3.693 | 4.728 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:12:10 | 10.860 | 10.930 | 21.910 | 1.590 | 1.424 | 0.137 | 0.274 | 1.424 | 1.138 |
| 2 | 21:13:18 | 11.540 | 11.730 | 23.550 | 1.688 | 0.810 | 0.170 | 0.458 | 0.809 | -0.966 |
| 3 | 21:14:26 | 10.740 | 10.660 | 21.720 | 1.686 | 0.897 | 0.150 | 0.133 | 0.898 | -1.372 |
| x | | 11.050 | 11.110 | 22.400 | 1.655 | 1.044 | 0.152 | 0.288 | 1.044 | -0.400 |
| σ | | 0.433 | 0.558 | 1.006 | 0.056 | 0.333 | 0.017 | 0.163 | 0.332 | 1.347 |
| %RSD | | 3.920 | 5.027 | 4.491 | 3.403 | 31.860 | 11.000 | 56.550 | 31.830 | 336.800 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:12:10 | -0.006 | 0.008 | 0.004 | -0.010 | 0.006 | 0.006 | 88% | 1.902 | 1.854 |
| 2 | 21:13:18 | -0.016 | -0.018 | -0.009 | 0.040 | 0.006 | 0.003 | 88% | 2.884 | 1.898 |
| 3 | 21:14:26 | 0.002 | -0.024 | -0.020 | 0.028 | 0.001 | 0.006 | 90% | 1.937 | 1.752 |
| x | | -0.007 | -0.011 | -0.009 | 0.020 | 0.004 | 0.005 | 89% | 2.241 | 1.835 |
| σ | | 0.009 | 0.017 | 0.012 | 0.026 | 0.003 | 0.002 | 1% | 0.557 | 0.075 |
| %RSD | | 143.400 | 149.400 | 141.500 | 133.000 | 64.810 | 41.310 | 2 | 24.860 | 4.092 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:12:10 | 0.378 | 1.901 | 1.841 | 1.869 | -0.059 | 3.787 | 81.960 | 81.610 | 90% |
| 2 | 21:13:18 | -0.596 | 2.888 | 1.870 | 1.787 | -0.095 | 3.848 | 84.250 | 84.250 | 89% |
| 3 | 21:14:26 | -0.104 | 1.937 | 1.878 | 1.734 | -0.087 | 3.645 | 78.710 | 79.730 | 93% |
| x | | -0.107 | 2.242 | 1.863 | 1.796 | -0.080 | 3.760 | 81.640 | 81.860 | 91% |
| σ | | 0.487 | 0.560 | 0.020 | 0.068 | 0.019 | 0.104 | 2.786 | 2.274 | 2% |
| %RSD | | 453.400 | 24.980 | 1.053 | 3.781 | 23.580 | 2.762 | 3.413 | 2.778 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:12:10 | 90% | 1.868 | 1.876 | 0.835 | 0.819 | 0.790 | 91% | 0.163 |
| 2 | 21:13:18 | 89% | 1.924 | 1.909 | 0.895 | 0.818 | 0.845 | 91% | 0.155 |
| 3 | 21:14:26 | 93% | 1.867 | 1.808 | 0.863 | 0.784 | 0.806 | 94% | 0.135 |
| x | | 91% | 1.886 | 1.864 | 0.864 | 0.807 | 0.814 | 92% | 0.151 |
| σ | | 2% | 0.032 | 0.052 | 0.030 | 0.020 | 0.028 | 2% | 0.014 |
| %RSD | | 2 | 1.722 | 2.782 | 3.459 | 2.461 | 3.425 | 2 | 9.452 |

**C1881-02LX125 MF3T80L** 05/01/2011 09:19:01 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:20:09 | 92% | -0.125 | 7.868 | 0.000 | 1016.000 | 208.500 | 209.900 | 207.100 | 0.299 |
| 2 | 21:21:17 | 91% | -0.125 | 8.501 | 0.000 | 1011.000 | 210.700 | 209.000 | 206.300 | 0.294 |
| 3 | 21:22:25 | 93% | -0.153 | 9.269 | 0.000 | 981.300 | 204.800 | 203.300 | 202.800 | 0.255 |
| x | | 92% | -0.134 | 8.546 | 0.000 | 1003.000 | 208.000 | 207.400 | 205.400 | 0.283 |
| σ | | 1% | 0.016 | 0.702 | 0.000 | 18.690 | 3.012 | 3.578 | 2.277 | 0.024 |
| %RSD | | 1 | 12.170 | 8.209 | 0.000 | 1.864 | 1.448 | 1.725 | 1.109 | 8.493 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:20:09 | 162.300 | 0.638 | 0.000 | 0.000 | 31.350 | 1333.000 | 1373.000 | 90% | -0.990 |
| 2 | 21:21:17 | 162.600 | 3.953 | 0.000 | 0.000 | 29.650 | 1388.000 | 1376.000 | 90% | -0.895 |
| 3 | 21:22:25 | 163.000 | 2.702 | 0.000 | 0.000 | 23.530 | 1279.000 | 1340.000 | 91% | -0.930 |
| x | | 162.600 | 2.431 | 0.000 | 0.000 | 28.180 | 1333.000 | 1363.000 | 91% | -0.938 |
| σ | | 0.362 | 1.674 | 0.000 | 0.000 | 4.114 | 54.380 | 20.090 | 1% | 0.048 |
| %RSD | | 0.222 | 68.860 | 0.000 | 0.000 | 14.600 | 4.078 | 1.474 | 1 | 5.093 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:20:09 | 0.561 | 0.096 | 12.360 | 6.196 | -0.020 | 2.986 | 4.537 | -0.024 | -0.006 |
| 2 | 21:21:17 | 0.016 | 0.013 | 12.490 | 3.226 | -0.042 | 2.283 | 7.392 | -0.029 | -0.005 |
| 3 | 21:22:25 | 0.057 | 0.080 | 12.320 | 1.665 | -0.057 | 2.029 | 7.056 | -0.036 | -0.033 |
| x | | 0.212 | 0.063 | 12.390 | 3.696 | -0.040 | 2.432 | 6.328 | -0.030 | -0.015 |
| σ | | 0.304 | 0.044 | 0.086 | 2.302 | 0.018 | 0.496 | 1.560 | 0.006 | 0.016 |
| %RSD | | 143.400 | 69.650 | 0.692 | 62.280 | 46.690 | 20.380 | 24.660 | 21.210 | 107.200 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:20:09 | 0.090 | 0.011 | 0.278 | -0.089 | -0.641 | 0.102 | -0.516 | -0.641 | 3.198 |
| 2 | 21:21:17 | 0.065 | 0.032 | 0.333 | -0.006 | -0.395 | 0.105 | 0.118 | -0.395 | 0.757 |
| 3 | 21:22:25 | 0.009 | 0.068 | 0.488 | 0.164 | 0.097 | 0.057 | -0.479 | 0.097 | 2.366 |
| x | | 0.055 | 0.037 | 0.366 | 0.023 | -0.313 | 0.088 | -0.293 | -0.313 | 2.107 |
| σ | | 0.042 | 0.029 | 0.109 | 0.129 | 0.376 | 0.027 | 0.356 | 0.376 | 1.241 |
| %RSD | | 76.260 | 77.950 | 29.820 | 555.900 | 119.900 | 30.320 | 121.600 | 120.000 | 58.910 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:20:09 | -0.056 | -0.050 | -0.046 | -0.067 | -0.038 | 0.003 | 89% | -0.645 | -0.018 |
| 2 | 21:21:17 | -0.061 | -0.029 | -0.024 | -0.059 | -0.035 | 0.010 | 88% | -0.281 | -0.028 |
| 3 | 21:22:25 | -0.045 | -0.050 | -0.042 | -0.060 | -0.023 | 0.010 | 90% | -0.785 | -0.028 |
| x | | -0.054 | -0.043 | -0.037 | -0.062 | -0.032 | 0.007 | 89% | -0.570 | -0.025 |
| σ | | 0.008 | 0.012 | 0.012 | 0.005 | 0.008 | 0.004 | 1% | 0.260 | 0.006 |
| %RSD | | 14.650 | 28.250 | 32.370 | 7.395 | 24.660 | 56.520 | 1 | 45.620 | 24.010 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:20:09 | 0.309 | -0.649 | -0.018 | -0.103 | -0.066 | -0.044 | 0.407 | 0.324 | 89% |
| 2 | 21:21:17 | 0.162 | -0.283 | -0.023 | -0.094 | -0.050 | -0.058 | 0.201 | 0.408 | 89% |
| 3 | 21:22:25 | 0.385 | -0.787 | -0.022 | -0.118 | -0.075 | -0.067 | 0.214 | 0.318 | 90% |
| x | | 0.285 | -0.573 | -0.021 | -0.105 | -0.064 | -0.056 | 0.274 | 0.350 | 90% |
| σ | | 0.113 | 0.260 | 0.003 | 0.012 | 0.013 | 0.012 | 0.115 | 0.051 | 0% |
| %RSD | | 39.730 | 45.450 | 12.720 | 11.850 | 19.630 | 20.410 | 42.030 | 14.450 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:20:09 | 90% | -0.031 | -0.027 | -0.068 | -0.054 | -0.059 | 91% | 0.003 |
| 2 | 21:21:17 | 89% | -0.041 | -0.027 | -0.068 | -0.057 | -0.062 | 91% | 0.000 |
| 3 | 21:22:25 | 90% | -0.041 | -0.032 | -0.069 | -0.058 | -0.068 | 90% | -0.001 |
| x | | 90% | -0.038 | -0.029 | -0.068 | -0.056 | -0.063 | 91% | 0.001 |
| σ | | 0% | 0.006 | 0.003 | 0.000 | 0.002 | 0.004 | 0% | 0.002 |
| %RSD | | 1 | 16.660 | 10.630 | 0.727 | 3.867 | 7.073 | 0 | 281.500 |

**C1881-05X25 MF3TA7** 05/01/2011 09:27:01 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:28:09 | 91% | -0.115 | 66.440 | 0.000 | 17220.000 | 2641.000 | 2499.000 | 2526.000 | 0.301 |
| 2 | 21:29:17 | 88% | -0.153 | 73.950 | 0.000 | 18430.000 | 2762.000 | 2656.000 | 2677.000 | 0.469 |
| 3 | 21:30:25 | 92% | -0.125 | 70.530 | 0.000 | 17500.000 | 2654.000 | 2516.000 | 2534.000 | 0.294 |
| x | | 90% | -0.131 | 70.310 | 0.000 | 17720.000 | 2685.000 | 2557.000 | 2579.000 | 0.355 |
| σ | | 2% | 0.019 | 3.760 | 0.000 | 628.900 | 66.200 | 86.510 | 85.210 | 0.099 |
| %RSD | | 2 | 14.800 | 5.347 | 0.000 | 3.550 | 2.465 | 3.383 | 3.304 | 27.950 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:28:09 | 971.700 | 4.047 | 0.000 | 0.000 | 272.900 | 10490.000 | 11120.000 | 89% | -0.767 |
| 2 | 21:29:17 | 1059.000 | 2.420 | 0.000 | 0.000 | 301.700 | 10920.000 | 11760.000 | 86% | -0.757 |
| 3 | 21:30:25 | 1007.000 | -2.449 | 0.000 | 0.000 | 277.200 | 10640.000 | 11330.000 | 90% | -0.834 |
| x | | 1013.000 | 1.339 | 0.000 | 0.000 | 283.900 | 10680.000 | 11400.000 | 89% | -0.786 |
| σ | | 43.870 | 3.380 | 0.000 | 0.000 | 15.560 | 218.000 | 329.300 | 2% | 0.042 |
| %RSD | | 4.332 | 252.400 | 0.000 | 0.000 | 5.480 | 2.040 | 2.889 | 2 | 5.344 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:28:09 | 1.644 | -0.018 | 16.220 | 3.577 | -0.068 | 0.690 | 34.580 | -0.047 | 0.112 |
| 2 | 21:29:17 | 1.936 | 0.108 | 16.680 | 4.673 | -0.015 | 2.331 | 38.920 | -0.035 | 0.088 |
| 3 | 21:30:25 | 1.000 | 0.064 | 16.600 | 3.307 | -0.052 | 0.623 | 34.750 | -0.043 | 0.132 |
| x | | 1.527 | 0.051 | 16.500 | 3.852 | -0.045 | 1.215 | 36.080 | -0.042 | 0.111 |
| σ | | 0.479 | 0.064 | 0.243 | 0.724 | 0.027 | 0.967 | 2.457 | 0.006 | 0.022 |
| %RSD | | 31.390 | 124.000 | 1.471 | 18.780 | 60.150 | 79.640 | 6.808 | 15.030 | 19.820 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:28:09 | 1.937 | 1.832 | 0.830 | 0.088 | 0.182 | 0.102 | 0.570 | 0.182 | 1.114 |
| 2 | 21:29:17 | 2.010 | 2.130 | 1.118 | -0.342 | 0.572 | 0.212 | 0.450 | 0.571 | 1.186 |
| 3 | 21:30:25 | 1.836 | 1.908 | 0.709 | -0.036 | 0.712 | 0.130 | -0.144 | 0.712 | -0.858 |
| x | | 1.928 | 1.957 | 0.886 | -0.097 | 0.489 | 0.148 | 0.292 | 0.488 | 0.481 |
| σ | | 0.087 | 0.155 | 0.210 | 0.221 | 0.275 | 0.057 | 0.382 | 0.275 | 1.160 |
| %RSD | | 4.514 | 7.929 | 23.700 | 228.900 | 56.190 | 38.550 | 130.800 | 56.210 | 241.100 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:28:09 | -0.017 | -0.013 | -0.024 | -0.026 | -0.029 | 0.006 | 88% | -0.781 | -0.025 |
| 2 | 21:29:17 | -0.026 | -0.001 | -0.027 | -0.007 | -0.028 | 0.006 | 86% | 0.306 | -0.026 |
| 3 | 21:30:25 | -0.001 | -0.013 | -0.006 | 0.022 | -0.026 | 0.013 | 89% | -0.459 | -0.028 |
| x | | -0.015 | -0.009 | -0.019 | -0.004 | -0.027 | 0.009 | 88% | -0.311 | -0.026 |
| σ | | 0.012 | 0.007 | 0.011 | 0.024 | 0.001 | 0.004 | 2% | 0.558 | 0.002 |
| %RSD | | 84.250 | 77.820 | 60.420 | 617.500 | 5.293 | 47.040 | 2 | 179.400 | 6.529 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:28:09 | 0.384 | -0.785 | -0.025 | -0.112 | -0.053 | -0.065 | 0.744 | 0.954 | 89% |
| 2 | 21:29:17 | -0.214 | 0.302 | -0.023 | -0.031 | -0.088 | -0.054 | 0.795 | 0.948 | 88% |
| 3 | 21:30:25 | 0.207 | -0.464 | -0.025 | -0.092 | -0.071 | -0.055 | 0.904 | 0.827 | 91% |
| x | | 0.126 | -0.316 | -0.024 | -0.078 | -0.070 | -0.058 | 0.815 | 0.909 | 90% |
| σ | | 0.307 | 0.558 | 0.001 | 0.042 | 0.018 | 0.006 | 0.082 | 0.072 | 1% |
| %RSD | | 244.700 | 176.800 | 4.380 | 53.390 | 25.090 | 10.610 | 10.030 | 7.895 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:28:09 | 90% | -0.037 | -0.034 | 0.182 | 0.168 | 0.172 | 91% | 0.333 |
| 2 | 21:29:17 | 88% | -0.044 | -0.035 | 0.174 | 0.173 | 0.189 | 89% | 0.363 |
| 3 | 21:30:25 | 92% | -0.049 | -0.037 | 0.152 | 0.177 | 0.189 | 93% | 0.329 |
| x | | 90% | -0.043 | -0.036 | 0.169 | 0.173 | 0.184 | 91% | 0.342 |
| σ | | 2% | 0.006 | 0.002 | 0.015 | 0.005 | 0.010 | 2% | 0.018 |
| %RSD | | 2 | 13.360 | 4.509 | 9.062 | 2.635 | 5.224 | 3 | 5.406 |

**CCV** 05/01/2011 09:34:58 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:36:06 | 80% | 501.300 | 498.200 | 0.000 | 50260.000 | 50720.000 | 49940.000 | 49910.000 | 10030.000 |
| 2 | 21:37:15 | 78% | 526.100 | 527.000 | 0.000 | 53640.000 | 53100.000 | 52660.000 | 52170.000 | 10640.000 |
| 3 | 21:38:23 | 78% | 512.000 | 538.200 | 0.000 | 51970.000 | 51380.000 | 50520.000 | 50250.000 | 10190.000 |
| x | | 78% | 513.100 | 521.100 | 0.000 | 51950.000 | 51730.000 | 51040.000 | 50770.000 | 10290.000 |
| σ | | 1% | 12.460 | 20.650 | 0.000 | 1690.000 | 1227.000 | 1433.000 | 1218.000 | 319.800 |
| %RSD | | 2 | 2.427 | 3.962 | 0.000 | 3.253 | 2.372 | 2.808 | 2.399 | 3.109 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:36:06 | 534.100 | 10040.000 | 0.000 | 0.000 | 25480.000 | 51900.000 | 48790.000 | 80% | 489.100 |
| 2 | 21:37:15 | 543.400 | 10580.000 | 0.000 | 0.000 | 26760.000 | 53730.000 | 50300.000 | 77% | 506.800 |
| 3 | 21:38:23 | 549.100 | 10120.000 | 0.000 | 0.000 | 25760.000 | 52920.000 | 48420.000 | 79% | 493.500 |
| x | | 542.200 | 10250.000 | 0.000 | 0.000 | 26000.000 | 52850.000 | 49170.000 | 79% | 496.500 |
| σ | | 7.579 | 289.700 | 0.000 | 0.000 | 672.000 | 914.300 | 996.200 | 1% | 9.199 |
| %RSD | | 1.398 | 2.828 | 0.000 | 0.000 | 2.585 | 1.730 | 2.026 | 2 | 1.853 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:36:06 | 487.200 | 488.200 | 20.360 | 24960.000 | 985.300 | 24970.000 | 25030.000 | 486.900 | 487.300 |
| 2 | 21:37:15 | 511.900 | 510.800 | 20.210 | 26410.000 | 1034.000 | 26220.000 | 26180.000 | 507.900 | 511.700 |
| 3 | 21:38:23 | 486.100 | 489.100 | 21.170 | 25630.000 | 985.700 | 24900.000 | 25200.000 | 488.900 | 492.400 |
| x | | 495.100 | 496.000 | 20.580 | 25670.000 | 1002.000 | 25360.000 | 25470.000 | 494.600 | 497.100 |
| σ | | 14.610 | 12.780 | 0.519 | 725.400 | 28.180 | 746.200 | 622.900 | 11.590 | 12.870 |
| %RSD | | 2.951 | 2.576 | 2.520 | 2.826 | 2.813 | 2.942 | 2.446 | 2.343 | 2.589 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:36:06 | 977.200 | 974.200 | 965.800 | 482.300 | 487.100 | -0.663 | 492.700 | 487.200 | 3.804 |
| 2 | 21:37:15 | 1034.000 | 1022.000 | 1006.000 | 509.300 | 508.100 | -1.122 | 509.500 | 508.200 | -0.028 |
| 3 | 21:38:23 | 977.500 | 985.500 | 973.000 | 491.600 | 490.300 | -1.431 | 489.700 | 490.200 | 0.388 |
| x | | 996.100 | 993.900 | 981.600 | 494.400 | 495.200 | -1.072 | 497.300 | 495.200 | 1.388 |
| σ | | 32.430 | 25.000 | 21.540 | 13.740 | 11.310 | 0.386 | 10.670 | 11.350 | 2.103 |
| %RSD | | 3.255 | 2.515 | 2.194 | 2.779 | 2.285 | 36.030 | 2.146 | 2.292 | 151.500 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:36:06 | 336.800 | 483.800 | 465.800 | 481.700 | 481.100 | 0.011 | 78% | 455.400 | 492.500 |
| 2 | 21:37:15 | 359.000 | 510.400 | 489.700 | 509.000 | 510.100 | 0.007 | 76% | 470.800 | 513.400 |
| 3 | 21:38:23 | 340.800 | 483.500 | 463.100 | 485.800 | 489.300 | 0.016 | 78% | 445.700 | 490.400 |
| x | | 345.500 | 492.600 | 472.900 | 492.200 | 493.500 | 0.011 | 77% | 457.300 | 498.800 |
| σ | | 11.860 | 15.440 | 14.640 | 14.730 | 14.940 | 0.004 | 1% | 12.640 | 12.740 |
| %RSD | | 3.433 | 3.135 | 3.096 | 2.992 | 3.028 | 35.420 | 2 | 2.765 | 2.553 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:36:06 | -2.700 | 455.500 | 491.300 | 484.500 | 422.900 | 480.900 | 2460.000 | 2468.000 | 84% |
| 2 | 21:37:15 | 8.622 | 470.700 | 510.100 | 506.800 | 441.000 | 506.100 | 2567.000 | 2564.000 | 82% |
| 3 | 21:38:23 | 13.030 | 445.700 | 496.700 | 481.100 | 422.400 | 482.300 | 2473.000 | 2478.000 | 84% |
| x | | 6.317 | 457.300 | 499.400 | 490.800 | 428.800 | 489.800 | 2500.000 | 2503.000 | 83% |
| σ | | 8.114 | 12.590 | 9.689 | 13.990 | 10.610 | 14.140 | 58.440 | 52.540 | 1% |
| %RSD | | 128.500 | 2.754 | 1.940 | 2.850 | 2.474 | 2.887 | 2.338 | 2.099 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:36:06 | 85% | 491.300 | 490.100 | 489.500 | 490.000 | 490.900 | 85% | 503.700 |
| 2 | 21:37:15 | 82% | 515.200 | 512.200 | 515.100 | 515.800 | 514.300 | 81% | 525.700 |
| 3 | 21:38:23 | 84% | 492.700 | 492.400 | 492.000 | 497.500 | 495.000 | 83% | 505.600 |
| x | | 84% | 499.800 | 498.200 | 498.800 | 501.100 | 500.000 | 83% | 511.700 |
| σ | | 1% | 13.430 | 12.160 | 14.130 | 13.280 | 12.490 | 2% | 12.180 |
| %RSD | | 2 | 2.687 | 2.440 | 2.833 | 2.649 | 2.498 | 2 | 2.380 |

**CCB** 05/01/2011 09:42:55 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:44:03 | 85% | 0.482 | 11.940 | 0.000 | 105.800 | 56.550 | 56.290 | 57.290 | 11.780 |
| 2 | 21:45:11 | 87% | 0.143 | 11.340 | 0.000 | 66.930 | 33.310 | 32.650 | 32.960 | 6.820 |
| 3 | 21:46:19 | 84% | 0.092 | 7.524 | 0.000 | 52.020 | 17.080 | 16.930 | 17.400 | 4.347 |
| x | | 86% | 0.239 | 10.270 | 0.000 | 74.910 | 35.650 | 35.290 | 35.880 | 7.648 |
| σ | | 1% | 0.212 | 2.395 | 0.000 | 27.760 | 19.840 | 19.810 | 20.110 | 3.784 |
| %RSD | | 2 | 88.650 | 23.320 | 0.000 | 37.050 | 55.660 | 56.140 | 56.040 | 49.470 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:44:03 | 3.709 | 27.620 | 0.000 | 0.000 | 24.610 | 58.390 | 8.823 | 82% | -0.325 |
| 2 | 21:45:11 | 0.565 | 12.350 | 0.000 | 0.000 | 3.968 | 45.290 | -22.460 | 84% | -0.342 |
| 3 | 21:46:19 | 0.613 | 8.221 | 0.000 | 0.000 | -4.316 | 7.187 | -42.740 | 83% | 0.543 |
| x | | 1.629 | 16.060 | 0.000 | 0.000 | 8.088 | 36.960 | -18.790 | 83% | -0.042 |
| σ | | 1.802 | 10.220 | 0.000 | 0.000 | 14.900 | 26.600 | 25.980 | 1% | 0.506 |
| %RSD | | 110.600 | 63.610 | 0.000 | 0.000 | 184.200 | 71.980 | 138.200 | 1 | 1219.000 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:44:03 | 0.829 | 0.457 | 10.550 | 33.300 | 1.179 | 24.670 | 29.940 | 0.537 | 0.421 |
| 2 | 21:45:11 | 0.133 | 0.333 | 10.520 | 14.950 | 0.656 | 14.160 | 16.240 | 0.295 | 0.440 |
| 3 | 21:46:19 | -0.021 | 0.193 | 10.170 | 13.270 | 0.316 | 6.733 | 15.930 | 0.155 | 0.102 |
| x | | 0.313 | 0.328 | 10.410 | 20.510 | 0.717 | 15.190 | 20.700 | 0.329 | 0.321 |
| σ | | 0.453 | 0.132 | 0.211 | 11.110 | 0.435 | 9.012 | 8.002 | 0.194 | 0.190 |
| %RSD | | 144.600 | 40.410 | 2.026 | 54.180 | 60.640 | 59.340 | 38.650 | 58.820 | 59.200 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:44:03 | 0.969 | 1.090 | 0.836 | 0.569 | 0.516 | 0.068 | -0.095 | 0.516 | -0.755 |
| 2 | 21:45:11 | 0.571 | 0.632 | 0.436 | 0.401 | 0.458 | 0.053 | -0.404 | 0.457 | 2.558 |
| 3 | 21:46:19 | 0.292 | 0.299 | 0.288 | 0.233 | -0.425 | 0.048 | -0.083 | -0.425 | 1.450 |
| x | | 0.611 | 0.674 | 0.520 | 0.401 | 0.183 | 0.056 | -0.194 | 0.183 | 1.084 |
| σ | | 0.340 | 0.397 | 0.283 | 0.168 | 0.527 | 0.010 | 0.182 | 0.527 | 1.686 |
| %RSD | | 55.690 | 58.910 | 54.540 | 41.910 | 288.200 | 18.450 | 93.660 | 288.500 | 155.500 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:44:03 | 0.845 | 1.081 | 1.226 | 1.136 | 1.196 | 0.007 | 81% | 0.547 | 0.656 |
| 2 | 21:45:11 | 0.562 | 0.805 | 0.648 | 0.926 | 0.727 | 0.007 | 84% | 0.531 | 0.327 |
| 3 | 21:46:19 | 0.220 | 0.513 | 0.588 | 0.555 | 0.498 | 0.011 | 82% | 0.410 | 0.162 |
| x | | 0.542 | 0.800 | 0.821 | 0.872 | 0.807 | 0.008 | 82% | 0.496 | 0.382 |
| σ | | 0.313 | 0.284 | 0.352 | 0.294 | 0.356 | 0.002 | 1% | 0.075 | 0.252 |
| %RSD | | 57.750 | 35.550 | 42.890 | 33.720 | 44.060 | 28.390 | 2 | 15.110 | 65.960 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:44:03 | 0.128 | 0.543 | 0.685 | 0.357 | 0.630 | 1.000 | 2.641 | 2.928 | 83% |
| 2 | 21:45:11 | 0.007 | 0.527 | 0.317 | 0.257 | 0.365 | 0.541 | 1.625 | 1.835 | 86% |
| 3 | 21:46:19 | -0.095 | 0.405 | 0.221 | 0.116 | 0.224 | 0.401 | 0.688 | 0.878 | 84% |
| x | | 0.013 | 0.492 | 0.407 | 0.243 | 0.406 | 0.647 | 1.652 | 1.880 | 84% |
| σ | | 0.112 | 0.075 | 0.245 | 0.121 | 0.206 | 0.313 | 0.977 | 1.026 | 1% |
| %RSD | | 855.400 | 15.330 | 60.180 | 49.770 | 50.710 | 48.400 | 59.140 | 54.560 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:44:03 | 85% | 0.713 | 0.697 | 0.544 | 0.536 | 0.535 | 86% | 0.507 |
| 2 | 21:45:11 | 85% | 0.344 | 0.366 | 0.264 | 0.301 | 0.280 | 88% | 0.296 |
| 3 | 21:46:19 | 85% | 0.160 | 0.164 | 0.147 | 0.107 | 0.132 | 86% | 0.136 |
| x | | 85% | 0.406 | 0.409 | 0.318 | 0.315 | 0.316 | 87% | 0.313 |
| σ | | 0% | 0.282 | 0.269 | 0.204 | 0.215 | 0.204 | 1% | 0.186 |
| %RSD | | 0 | 69.470 | 65.760 | 64.170 | 68.220 | 64.530 | 1 | 59.460 |

**C1881-06 MF3TC9** 05/01/2011 09:50:52 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:52:00 | 90% | 0.225 | 901.100 | 0.000 | 231300.000 | 70400.000 | 69760.000 | 69450.000 | 8.725 |
| 2 | 21:53:08 | 87% | 0.200 | 924.000 | 0.000 | 240100.000 | 72090.000 | 71410.000 | 71450.000 | 8.530 |
| 3 | 21:54:16 | 86% | 0.057 | 957.400 | 0.000 | 246700.000 | 75190.000 | 74290.000 | 74480.000 | 6.540 |
| x | | 88% | 0.161 | 927.500 | 0.000 | 239400.000 | 72560.000 | 71820.000 | 71790.000 | 7.932 |
| σ | | 2% | 0.091 | 28.290 | 0.000 | 7719.000 | 2427.000 | 2291.000 | 2529.000 | 1.209 |
| %RSD | | 3 | 56.380 | 3.050 | 0.000 | 3.224 | 3.345 | 3.190 | 3.523 | 15.240 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:52:00 | 20080.000 | 0.980 | 0.000 | 0.000 | 8083.000 | 304800.000 | 319900.000 | 92% | 1.129 |
| 2 | 21:53:08 | 20840.000 | -0.570 | 0.000 | 0.000 | 8243.000 | 311900.000 | 325800.000 | 91% | 0.788 |
| 3 | 21:54:16 | 21570.000 | -1.436 | 0.000 | 0.000 | 8543.000 | 321900.000 | 338800.000 | 88% | 1.004 |
| x | | 20830.000 | -0.342 | 0.000 | 0.000 | 8290.000 | 312800.000 | 328200.000 | 91% | 0.973 |
| σ | | 744.200 | 1.224 | 0.000 | 0.000 | 233.700 | 8577.000 | 9713.000 | 2% | 0.173 |
| %RSD | | 3.573 | 358.100 | 0.000 | 0.000 | 2.819 | 2.742 | 2.960 | 2 | 17.720 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:52:00 | 26.890 | 1.011 | 142.900 | 9.049 | 0.575 | 24.050 | 1107.000 | 0.141 | 4.517 |
| 2 | 21:53:08 | 27.660 | 1.034 | 152.800 | 8.696 | 0.553 | 23.070 | 1114.000 | 0.030 | 4.847 |
| 3 | 21:54:16 | 29.390 | 0.960 | 167.900 | 7.204 | 0.350 | 20.180 | 1190.000 | -0.029 | 4.867 |
| x | | 27.980 | 1.002 | 154.500 | 8.316 | 0.493 | 22.430 | 1137.000 | 0.047 | 4.744 |
| σ | | 1.279 | 0.038 | 12.610 | 0.979 | 0.124 | 2.014 | 46.440 | 0.086 | 0.197 |
| %RSD | | 4.572 | 3.794 | 8.164 | 11.780 | 25.200 | 8.978 | 4.084 | 184.000 | 4.145 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:52:00 | 21.410 | 21.290 | 102.600 | 9.487 | 32.710 | 0.519 | 25.670 | 33.300 | 2.368 |
| 2 | 21:53:08 | 21.480 | 21.520 | 103.400 | 7.142 | 34.360 | 1.037 | 25.300 | 34.940 | 6.332 |
| 3 | 21:54:16 | 21.940 | 21.740 | 106.400 | 8.650 | 36.790 | 0.961 | 28.230 | 37.410 | 2.856 |
| x | | 21.610 | 21.520 | 104.100 | 8.426 | 34.620 | 0.839 | 26.400 | 35.220 | 3.852 |
| σ | | 0.288 | 0.226 | 2.041 | 1.188 | 2.054 | 0.280 | 1.594 | 2.070 | 2.162 |
| %RSD | | 1.331 | 1.048 | 1.961 | 14.100 | 5.933 | 33.350 | 6.040 | 5.876 | 56.110 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:52:00 | 7.350 | 1.367 | 1.326 | 1.692 | 1.366 | -0.001 | 73% | 1.283 | 0.265 |
| 2 | 21:53:08 | 5.292 | 1.607 | 1.376 | 1.574 | 1.462 | -0.001 | 73% | 0.871 | 0.155 |
| 3 | 21:54:16 | 5.672 | 1.380 | 1.337 | 1.397 | 1.315 | -0.001 | 71% | 0.930 | 0.094 |
| x | | 6.104 | 1.452 | 1.346 | 1.554 | 1.381 | -0.001 | 73% | 1.028 | 0.171 |
| σ | | 1.095 | 0.135 | 0.026 | 0.148 | 0.075 | 0.000 | 1% | 0.223 | 0.086 |
| %RSD | | 17.940 | 9.296 | 1.953 | 9.540 | 5.435 | 0.000 | 2 | 21.680 | 50.400 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:52:00 | -0.746 | 1.268 | 0.185 | 0.383 | 0.496 | 0.482 | 47.590 | 46.500 | 80% |
| 2 | 21:53:08 | -0.257 | 0.855 | 0.138 | 0.113 | 0.482 | 0.317 | 45.860 | 47.400 | 80% |
| 3 | 21:54:16 | -0.215 | 0.911 | 0.084 | 0.120 | 0.449 | 0.218 | 48.610 | 49.410 | 79% |
| x | | -0.406 | 1.011 | 0.136 | 0.205 | 0.476 | 0.339 | 47.350 | 47.770 | 80% |
| σ | | 0.295 | 0.224 | 0.050 | 0.154 | 0.024 | 0.133 | 1.391 | 1.490 | 0% |
| %RSD | | 72.760 | 22.170 | 37.150 | 75.160 | 5.095 | 39.300 | 2.937 | 3.120 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:52:00 | 81% | 0.365 | 0.335 | 3.459 | 3.365 | 3.456 | 78% | 12.910 |
| 2 | 21:53:08 | 81% | 0.210 | 0.197 | 3.553 | 3.519 | 3.532 | 78% | 13.220 |
| 3 | 21:54:16 | 80% | 0.110 | 0.129 | 3.670 | 3.342 | 3.503 | 76% | 13.820 |
| x | | 81% | 0.228 | 0.220 | 3.561 | 3.408 | 3.497 | 77% | 13.320 |
| σ | | 1% | 0.128 | 0.105 | 0.105 | 0.096 | 0.038 | 1% | 0.460 |
| %RSD | | 1 | 56.090 | 47.740 | 2.959 | 2.818 | 1.091 | 2 | 3.457 |

**C1881-07 MF3TD7** 05/01/2011 09:58:49 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:59:57 | 86% | -0.032 | 1423.000 | 0.000 | 315700.000 | 58910.000 | 58730.000 | 58250.000 | 1.997 |
| 2 | 22:01:05 | 83% | 0.013 | 1435.000 | 0.000 | 321600.000 | 59670.000 | 59480.000 | 58850.000 | 1.733 |
| 3 | 22:02:13 | 89% | -0.124 | 1385.000 | 0.000 | 300500.000 | 55840.000 | 55450.000 | 55340.000 | 1.341 |
| x | | 86% | -0.047 | 1414.000 | 0.000 | 312600.000 | 58140.000 | 57890.000 | 57480.000 | 1.690 |
| σ | | 3% | 0.070 | 26.250 | 0.000 | 10920.000 | 2029.000 | 2141.000 | 1879.000 | 0.330 |
| %RSD | | 3 | 147.400 | 1.856 | 0.000 | 3.493 | 3.489 | 3.699 | 3.268 | 19.520 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:59:57 | 28610.000 | 4.767 | 0.000 | 0.000 | 4510.000 | 170200.000 | 191100.000 | 79% | 2.081 |
| 2 | 22:01:05 | 29420.000 | 1.556 | 0.000 | 0.000 | 4577.000 | 174300.000 | 193500.000 | 78% | 1.558 |
| 3 | 22:02:13 | 27550.000 | -4.937 | 0.000 | 0.000 | 4278.000 | 161700.000 | 181800.000 | 83% | 1.568 |
| x | | 28530.000 | 0.462 | 0.000 | 0.000 | 4455.000 | 168800.000 | 188800.000 | 80% | 1.736 |
| σ | | 938.500 | 4.944 | 0.000 | 0.000 | 157.100 | 6441.000 | 6150.000 | 3% | 0.299 |
| %RSD | | 3.290 | 1071.000 | 0.000 | 0.000 | 3.526 | 3.817 | 3.257 | 3 | 17.240 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:59:57 | 70.990 | 1.199 | 173.400 | 7.266 | 0.258 | 11.330 | 602.400 | 0.038 | 2.513 |
| 2 | 22:01:05 | 71.700 | 1.266 | 187.200 | 4.317 | 0.216 | 10.960 | 579.700 | 0.033 | 2.496 |
| 3 | 22:02:13 | 66.660 | 1.192 | 179.200 | 4.307 | 0.188 | 8.447 | 576.100 | 0.024 | 2.023 |
| x | | 69.780 | 1.219 | 179.900 | 5.296 | 0.221 | 10.250 | 586.100 | 0.032 | 2.344 |
| σ | | 2.728 | 0.041 | 6.885 | 1.705 | 0.035 | 1.568 | 14.280 | 0.007 | 0.278 |
| %RSD | | 3.910 | 3.371 | 3.826 | 32.200 | 15.790 | 15.310 | 2.437 | 21.970 | 11.860 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:59:57 | 2.723 | 2.779 | 4.614 | 14.000 | 20.920 | 1.009 | 15.420 | 21.050 | 0.920 |
| 2 | 22:01:05 | 2.597 | 2.709 | 4.911 | 14.890 | 20.570 | 0.999 | 15.290 | 20.680 | -2.284 |
| 3 | 22:02:13 | 2.599 | 2.649 | 4.522 | 14.760 | 19.910 | 0.755 | 14.820 | 20.060 | 0.848 |
| x | | 2.640 | 2.712 | 4.683 | 14.550 | 20.470 | 0.921 | 15.180 | 20.590 | -0.172 |
| σ | | 0.072 | 0.065 | 0.203 | 0.484 | 0.514 | 0.144 | 0.312 | 0.499 | 1.830 |
| %RSD | | 2.727 | 2.392 | 4.337 | 3.328 | 2.510 | 15.600 | 2.056 | 2.425 | 1063.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:59:57 | 7.103 | 3.108 | 3.173 | 3.439 | 2.991 | 0.003 | 73% | 0.450 | 0.098 |
| 2 | 22:01:05 | 6.608 | 3.140 | 3.237 | 3.636 | 3.220 | 0.008 | 72% | -0.565 | 0.053 |
| 3 | 22:02:13 | 7.592 | 3.304 | 2.753 | 3.258 | 3.170 | 0.003 | 75% | 0.211 | 0.034 |
| x | | 7.101 | 3.184 | 3.054 | 3.444 | 3.127 | 0.005 | 73% | 0.032 | 0.062 |
| σ | | 0.492 | 0.105 | 0.263 | 0.189 | 0.121 | 0.003 | 1% | 0.531 | 0.033 |
| %RSD | | 6.930 | 3.302 | 8.609 | 5.486 | 3.851 | 54.910 | 2 | 1661.000 | 52.900 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:59:57 | -0.220 | 0.431 | 0.090 | 0.092 | 0.023 | 0.129 | 27.690 | 28.890 | 81% |
| 2 | 22:01:05 | 0.406 | -0.585 | 0.091 | 0.024 | 0.009 | 0.144 | 27.210 | 29.340 | 81% |
| 3 | 22:02:13 | 0.038 | 0.191 | 0.038 | -0.003 | 0.023 | 0.137 | 27.120 | 27.360 | 84% |
| x | | 0.074 | 0.013 | 0.073 | 0.038 | 0.018 | 0.137 | 27.340 | 28.530 | 82% |
| σ | | 0.315 | 0.531 | 0.030 | 0.049 | 0.008 | 0.008 | 0.308 | 1.035 | 2% |
| %RSD | | 422.900 | 4240.000 | 41.310 | 131.000 | 45.970 | 5.592 | 1.127 | 3.628 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 21:59:57 | 82% | 0.060 | 0.085 | 0.304 | 0.281 | 0.316 | 79% | 10.890 |
| 2 | 22:01:05 | 82% | 0.049 | 0.051 | 0.288 | 0.266 | 0.300 | 80% | 10.880 |
| 3 | 22:02:13 | 84% | 0.007 | 0.005 | 0.207 | 0.238 | 0.235 | 83% | 10.280 |
| x | | 83% | 0.039 | 0.047 | 0.266 | 0.262 | 0.284 | 81% | 10.690 |
| σ | | 2% | 0.028 | 0.040 | 0.052 | 0.022 | 0.043 | 2% | 0.349 |
| %RSD | | 2 | 72.980 | 85.670 | 19.460 | 8.357 | 15.200 | 2 | 3.263 |

**C1881-08 MF3TE2** 05/01/2011 10:06:46 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:07:54 | 88% | -0.094 | 812.700 | 0.000 | 194900.000 | 36300.000 | 35900.000 | 35970.000 | 1.945 |
| 2 | 22:09:02 | 87% | -0.093 | 844.200 | 0.000 | 199200.000 | 37050.000 | 36780.000 | 36740.000 | 1.483 |
| 3 | 22:10:10 | 90% | -0.086 | 793.200 | 0.000 | 186800.000 | 34290.000 | 33970.000 | 34120.000 | 0.987 |
| x | | 88% | -0.091 | 816.700 | 0.000 | 193600.000 | 35880.000 | 35550.000 | 35610.000 | 1.472 |
| σ | | 2% | 0.004 | 25.740 | 0.000 | 6267.000 | 1425.000 | 1438.000 | 1347.000 | 0.479 |
| %RSD | | 2 | 4.519 | 3.151 | 0.000 | 3.236 | 3.971 | 4.044 | 3.782 | 32.530 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:07:54 | 23140.000 | 3.087 | 0.000 | 0.000 | 4736.000 | 154600.000 | 171300.000 | 81% | 1.223 |
| 2 | 22:09:02 | 23670.000 | 0.531 | 0.000 | 0.000 | 4726.000 | 153700.000 | 170700.000 | 82% | 1.472 |
| 3 | 22:10:10 | 21970.000 | 2.837 | 0.000 | 0.000 | 4427.000 | 142600.000 | 159200.000 | 85% | 1.130 |
| x | | 22930.000 | 2.152 | 0.000 | 0.000 | 4630.000 | 150300.000 | 167100.000 | 83% | 1.275 |
| σ | | 869.500 | 1.409 | 0.000 | 0.000 | 175.800 | 6692.000 | 6825.000 | 2% | 0.177 |
| %RSD | | 3.793 | 65.500 | 0.000 | 0.000 | 3.797 | 4.452 | 4.086 | 3 | 13.880 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:07:54 | 42.830 | 1.108 | 179.500 | 13.560 | 0.326 | 18.210 | 551.900 | -0.015 | 1.727 |
| 2 | 22:09:02 | 42.880 | 1.151 | 189.900 | 13.700 | 0.330 | 17.750 | 579.600 | 0.004 | 1.663 |
| 3 | 22:10:10 | 40.590 | 0.936 | 185.900 | 10.150 | 0.338 | 14.120 | 529.400 | -0.054 | 1.388 |
| x | | 42.100 | 1.065 | 185.100 | 12.470 | 0.332 | 16.690 | 553.600 | -0.022 | 1.592 |
| σ | | 1.308 | 0.114 | 5.265 | 2.009 | 0.006 | 2.241 | 25.120 | 0.029 | 0.180 |
| %RSD | | 3.107 | 10.690 | 2.844 | 16.110 | 1.784 | 13.420 | 4.538 | 133.200 | 11.320 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:07:54 | 1.185 | 1.268 | 5.494 | 10.760 | 13.990 | 0.864 | 8.234 | 14.060 | 0.602 |
| 2 | 22:09:02 | 1.271 | 1.346 | 5.562 | 8.914 | 11.690 | 1.221 | 9.084 | 11.750 | -1.248 |
| 3 | 22:10:10 | 1.102 | 1.286 | 5.245 | 9.648 | 11.310 | 0.947 | 7.714 | 11.370 | 2.022 |
| x | | 1.186 | 1.300 | 5.434 | 9.773 | 12.330 | 1.011 | 8.344 | 12.390 | 0.459 |
| σ | | 0.084 | 0.041 | 0.167 | 0.927 | 1.451 | 0.187 | 0.691 | 1.454 | 1.640 |
| %RSD | | 7.093 | 3.173 | 3.073 | 9.485 | 11.770 | 18.470 | 8.284 | 11.730 | 357.400 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:07:54 | 1.532 | 2.828 | 2.728 | 2.880 | 2.984 | 0.003 | 75% | -0.379 | 0.122 |
| 2 | 22:09:02 | 5.281 | 2.901 | 2.930 | 2.899 | 2.699 | 0.016 | 75% | -0.979 | 0.098 |
| 3 | 22:10:10 | 1.471 | 2.827 | 2.644 | 2.573 | 2.488 | 0.003 | 79% | 1.177 | 0.012 |
| x | | 2.761 | 2.852 | 2.768 | 2.784 | 2.724 | 0.007 | 76% | -0.060 | 0.077 |
| σ | | 2.183 | 0.043 | 0.147 | 0.183 | 0.249 | 0.007 | 2% | 1.113 | 0.058 |
| %RSD | | 79.040 | 1.499 | 5.304 | 6.575 | 9.134 | 100.700 | 3 | 1847.000 | 74.570 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:07:54 | 0.296 | -0.394 | 0.101 | -0.023 | -0.006 | 0.092 | 44.270 | 45.030 | 82% |
| 2 | 22:09:02 | 0.753 | -0.993 | 0.065 | -0.113 | -0.001 | 0.100 | 44.320 | 45.010 | 82% |
| 3 | 22:10:10 | -0.628 | 1.163 | 0.020 | 0.030 | -0.043 | 0.026 | 41.740 | 41.490 | 85% |
| x | | 0.141 | -0.075 | 0.062 | -0.035 | -0.017 | 0.073 | 43.440 | 43.840 | 83% |
| σ | | 0.703 | 1.113 | 0.041 | 0.072 | 0.023 | 0.040 | 1.473 | 2.039 | 2% |
| %RSD | | 500.100 | 1485.000 | 65.880 | 204.200 | 139.500 | 55.350 | 3.390 | 4.649 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:07:54 | 83% | 0.012 | 0.015 | 0.059 | 0.080 | 0.077 | 80% | 11.600 |
| 2 | 22:09:02 | 82% | -0.008 | -0.004 | 0.068 | 0.067 | 0.066 | 80% | 11.670 |
| 3 | 22:10:10 | 86% | -0.040 | -0.032 | 0.048 | 0.049 | 0.030 | 83% | 10.820 |
| x | | 84% | -0.012 | -0.007 | 0.059 | 0.065 | 0.058 | 81% | 11.360 |
| σ | | 2% | 0.027 | 0.024 | 0.010 | 0.016 | 0.025 | 2% | 0.467 |
| %RSD | | 2 | 219.300 | 335.800 | 16.780 | 23.820 | 42.760 | 2 | 4.112 |

**C1881-09 MF3TE3** 05/01/2011 10:14:44 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:15:52 | 93% | -0.098 | 1189.000 | 0.000 | 350300.000 | 76210.000 | 75540.000 | 74870.000 | 1.917 |
| 2 | 22:17:00 | 88% | -0.153 | 1153.000 | 0.000 | 349300.000 | 76630.000 | 75020.000 | 74290.000 | 1.516 |
| 3 | 22:18:08 | 85% | -0.102 | 1219.000 | 0.000 | 366700.000 | 79890.000 | 80030.000 | 79740.000 | 2.199 |
| x | | 89% | -0.118 | 1187.000 | 0.000 | 355400.000 | 77580.000 | 76860.000 | 76300.000 | 1.877 |
| σ | | 4% | 0.031 | 32.750 | 0.000 | 9781.000 | 2013.000 | 2755.000 | 2992.000 | 0.343 |
| %RSD | | 4 | 25.950 | 2.759 | 0.000 | 2.752 | 2.595 | 3.585 | 3.921 | 18.280 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:15:52 | 24060.000 | -3.562 | 0.000 | 0.000 | 5117.000 | 227100.000 | 253600.000 | 92% | 0.891 |
| 2 | 22:17:00 | 23710.000 | -7.704 | 0.000 | 0.000 | 5103.000 | 224500.000 | 250700.000 | 90% | 1.088 |
| 3 | 22:18:08 | 25140.000 | -4.683 | 0.000 | 0.000 | 5417.000 | 240900.000 | 267700.000 | 86% | 1.268 |
| x | | 24300.000 | -5.316 | 0.000 | 0.000 | 5212.000 | 230800.000 | 257300.000 | 89% | 1.082 |
| σ | | 743.500 | 2.142 | 0.000 | 0.000 | 177.700 | 8783.000 | 9101.000 | 3% | 0.189 |
| %RSD | | 3.059 | 40.300 | 0.000 | 0.000 | 3.409 | 3.805 | 3.537 | 4 | 17.460 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:15:52 | 40.230 | 1.128 | 154.800 | 38.070 | -0.034 | 47.690 | 922.600 | 0.025 | 3.364 |
| 2 | 22:17:00 | 38.120 | 1.078 | 164.700 | 39.350 | -0.007 | 45.880 | 853.100 | -0.014 | 3.333 |
| 3 | 22:18:08 | 42.930 | 1.276 | 176.100 | 40.570 | 0.032 | 50.190 | 885.800 | -0.016 | 3.645 |
| x | | 40.430 | 1.161 | 165.200 | 39.330 | -0.003 | 47.920 | 887.100 | -0.002 | 3.447 |
| σ | | 2.412 | 0.103 | 10.660 | 1.253 | 0.033 | 2.167 | 34.780 | 0.023 | 0.172 |
| %RSD | | 5.967 | 8.845 | 6.454 | 3.187 | 1085.000 | 4.521 | 3.920 | 1295.000 | 4.996 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:15:52 | 359.800 | 361.700 | 5.468 | 11.880 | 31.430 | 0.606 | 20.560 | 31.980 | 0.265 |
| 2 | 22:17:00 | 351.400 | 352.400 | 5.063 | 9.729 | 27.680 | 1.103 | 21.150 | 28.160 | 2.294 |
| 3 | 22:18:08 | 373.800 | 379.200 | 5.746 | 10.560 | 30.140 | 1.060 | 21.820 | 30.670 | 2.659 |
| x | | 361.700 | 364.400 | 5.426 | 10.720 | 29.750 | 0.923 | 21.180 | 30.270 | 1.739 |
| σ | | 11.330 | 13.610 | 0.343 | 1.086 | 1.908 | 0.276 | 0.632 | 1.940 | 1.290 |
| %RSD | | 3.134 | 3.735 | 6.325 | 10.130 | 6.412 | 29.860 | 2.986 | 6.410 | 74.150 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:15:52 | 5.556 | 1.504 | 1.531 | 1.968 | 1.533 | 0.003 | 74% | -0.203 | 0.198 |
| 2 | 22:17:00 | 3.681 | 1.586 | 1.450 | 1.883 | 1.570 | -0.001 | 72% | 1.213 | 0.049 |
| 3 | 22:18:08 | 6.004 | 1.639 | 1.592 | 1.965 | 1.619 | 0.013 | 68% | -0.315 | 0.045 |
| x | | 5.080 | 1.576 | 1.524 | 1.939 | 1.574 | 0.005 | 71% | 0.232 | 0.097 |
| σ | | 1.232 | 0.068 | 0.071 | 0.048 | 0.043 | 0.007 | 3% | 0.852 | 0.087 |
| %RSD | | 24.260 | 4.319 | 4.669 | 2.496 | 2.739 | 142.600 | 4 | 367.800 | 89.810 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:15:52 | 0.267 | -0.219 | 0.079 | -0.090 | 0.447 | 0.076 | 20.720 | 20.060 | 81% |
| 2 | 22:17:00 | -0.507 | 1.194 | 0.024 | 0.020 | 0.481 | 0.068 | 20.260 | 20.490 | 80% |
| 3 | 22:18:08 | 0.275 | -0.335 | 0.033 | -0.065 | 0.417 | 0.064 | 20.950 | 22.510 | 77% |
| x | | 0.012 | 0.214 | 0.045 | -0.045 | 0.448 | 0.070 | 20.640 | 21.020 | 79% |
| σ | | 0.449 | 0.851 | 0.029 | 0.058 | 0.032 | 0.006 | 0.352 | 1.307 | 2% |
| %RSD | | 3770.000 | 398.700 | 64.780 | 127.500 | 7.199 | 8.679 | 1.703 | 6.219 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:15:52 | 82% | -0.037 | -0.032 | 24.700 | 22.090 | 23.160 | 77% | 15.030 |
| 2 | 22:17:00 | 82% | -0.046 | -0.035 | 24.410 | 21.810 | 23.070 | 77% | 14.710 |
| 3 | 22:18:08 | 78% | -0.047 | -0.035 | 25.460 | 23.020 | 24.130 | 75% | 15.620 |
| x | | 80% | -0.043 | -0.034 | 24.860 | 22.310 | 23.460 | 77% | 15.120 |
| σ | | 2% | 0.006 | 0.002 | 0.539 | 0.632 | 0.588 | 1% | 0.462 |
| %RSD | | 3 | 13.130 | 5.416 | 2.170 | 2.833 | 2.506 | 1 | 3.054 |

**C1881-10 MF3TE4** 05/01/2011 10:22:43 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:23:51 | 82% | -0.131 | 912.700 | 0.000 | 243000.000 | 47950.000 | 47200.000 | 47410.000 | 1.665 |
| 2 | 22:24:59 | 82% | -0.100 | 939.300 | 0.000 | 242100.000 | 47650.000 | 47220.000 | 47170.000 | 1.697 |
| 3 | 22:26:07 | 81% | -0.131 | 923.200 | 0.000 | 242100.000 | 46980.000 | 46480.000 | 46670.000 | 1.340 |
| x | | 82% | -0.121 | 925.100 | 0.000 | 242400.000 | 47530.000 | 46960.000 | 47080.000 | 1.567 |
| σ | | 0% | 0.018 | 13.380 | 0.000 | 507.400 | 493.700 | 423.000 | 380.800 | 0.198 |
| %RSD | | 1 | 14.830 | 1.447 | 0.000 | 0.209 | 1.039 | 0.901 | 0.809 | 12.600 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:23:51 | 25950.000 | 1.870 | 0.000 | 0.000 | 5029.000 | 178900.000 | 199100.000 | 78% | 1.630 |
| 2 | 22:24:59 | 25870.000 | -1.553 | 0.000 | 0.000 | 4959.000 | 176900.000 | 197700.000 | 79% | 1.194 |
| 3 | 22:26:07 | 25770.000 | 1.523 | 0.000 | 0.000 | 4976.000 | 180700.000 | 199800.000 | 78% | 1.131 |
| x | | 25860.000 | 0.614 | 0.000 | 0.000 | 4988.000 | 178900.000 | 198900.000 | 78% | 1.318 |
| σ | | 91.580 | 1.884 | 0.000 | 0.000 | 36.590 | 1898.000 | 1089.000 | 1% | 0.272 |
| %RSD | | 0.354 | 307.100 | 0.000 | 0.000 | 0.734 | 1.061 | 0.548 | 1 | 20.610 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:23:51 | 56.010 | 1.351 | 184.100 | 6.804 | 0.188 | 10.080 | 615.400 | -0.113 | 2.165 |
| 2 | 22:24:59 | 54.560 | 1.348 | 196.400 | 2.230 | 0.178 | 9.546 | 625.300 | -0.066 | 1.943 |
| 3 | 22:26:07 | 53.930 | 1.336 | 205.000 | 2.846 | 0.174 | 9.106 | 635.200 | -0.133 | 1.968 |
| x | | 54.840 | 1.345 | 195.200 | 3.960 | 0.180 | 9.577 | 625.300 | -0.104 | 2.025 |
| σ | | 1.066 | 0.008 | 10.500 | 2.482 | 0.007 | 0.487 | 9.884 | 0.034 | 0.122 |
| %RSD | | 1.945 | 0.595 | 5.378 | 62.680 | 3.909 | 5.088 | 1.581 | 33.080 | 6.023 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:23:51 | 30.690 | 31.450 | 29.280 | 10.580 | 18.060 | 1.125 | 14.010 | 18.170 | 0.755 |
| 2 | 22:24:59 | 31.070 | 31.540 | 29.210 | 10.940 | 17.790 | 0.976 | 15.500 | 17.890 | -0.239 |
| 3 | 22:26:07 | 30.950 | 31.720 | 29.900 | 10.300 | 19.350 | 1.228 | 15.270 | 19.450 | -1.484 |
| x | | 30.910 | 31.570 | 29.460 | 10.610 | 18.400 | 1.109 | 14.920 | 18.500 | -0.323 |
| σ | | 0.196 | 0.136 | 0.384 | 0.323 | 0.832 | 0.127 | 0.802 | 0.836 | 1.122 |
| %RSD | | 0.634 | 0.430 | 1.303 | 3.046 | 4.521 | 11.450 | 5.376 | 4.517 | 347.500 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:23:51 | 0.968 | 1.813 | 1.696 | 2.058 | 1.887 | 0.021 | 72% | 0.448 | 0.023 |
| 2 | 22:24:59 | 1.069 | 1.790 | 1.793 | 1.961 | 2.028 | 0.003 | 73% | 2.140 | 0.005 |
| 3 | 22:26:07 | 1.041 | 1.982 | 1.877 | 2.025 | 1.984 | -0.001 | 72% | -0.621 | 0.024 |
| x | | 1.026 | 1.861 | 1.789 | 2.015 | 1.966 | 0.008 | 72% | 0.656 | 0.017 |
| σ | | 0.052 | 0.105 | 0.091 | 0.049 | 0.072 | 0.012 | 1% | 1.392 | 0.011 |
| %RSD | | 5.063 | 5.629 | 5.060 | 2.451 | 3.655 | 151.400 | 1 | 212.400 | 61.700 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:23:51 | -0.218 | 0.430 | 0.037 | 0.111 | 0.089 | 0.025 | 26.870 | 26.200 | 80% |
| 2 | 22:24:59 | -1.022 | 2.123 | -0.006 | 0.164 | 0.178 | 0.023 | 26.860 | 26.570 | 80% |
| 3 | 22:26:07 | 0.503 | -0.640 | 0.001 | -0.059 | 0.108 | 0.027 | 26.230 | 26.120 | 80% |
| x | | -0.245 | 0.638 | 0.011 | 0.072 | 0.125 | 0.025 | 26.650 | 26.300 | 80% |
| σ | | 0.763 | 1.393 | 0.023 | 0.117 | 0.047 | 0.002 | 0.369 | 0.238 | 0% |
| %RSD | | 310.800 | 218.500 | 216.300 | 162.600 | 37.690 | 7.208 | 1.384 | 0.905 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:23:51 | 81% | -0.040 | -0.040 | 2.482 | 2.150 | 2.301 | 78% | 10.110 |
| 2 | 22:24:59 | 81% | -0.050 | -0.035 | 2.375 | 2.103 | 2.227 | 79% | 10.290 |
| 3 | 22:26:07 | 81% | -0.044 | -0.037 | 2.336 | 2.224 | 2.255 | 79% | 10.230 |
| x | | 81% | -0.044 | -0.038 | 2.397 | 2.159 | 2.261 | 79% | 10.210 |
| σ | | 0% | 0.005 | 0.003 | 0.076 | 0.061 | 0.037 | 1% | 0.091 |
| %RSD | | 0 | 11.430 | 6.666 | 3.152 | 2.843 | 1.650 | 1 | 0.892 |

**C1881-06X25 MF3TC9** 05/01/2011 10:30:41 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:31:49 | 83% | -0.122 | 66.810 | 0.000 | 11010.000 | 3386.000 | 3256.000 | 3259.000 | -0.398 |
| 2 | 22:32:57 | 79% | -0.109 | 59.480 | 0.000 | 11160.000 | 3447.000 | 3286.000 | 3317.000 | -0.212 |
| 3 | 22:34:05 | 79% | -0.141 | 64.380 | 0.000 | 11580.000 | 3574.000 | 3410.000 | 3411.000 | -0.245 |
| x | | 81% | -0.124 | 63.560 | 0.000 | 11250.000 | 3469.000 | 3317.000 | 3329.000 | -0.285 |
| σ | | 3% | 0.016 | 3.736 | 0.000 | 294.600 | 96.070 | 81.380 | 76.470 | 0.099 |
| %RSD | | 3 | 13.100 | 5.878 | 0.000 | 2.618 | 2.769 | 2.453 | 2.297 | 34.890 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:31:49 | 918.600 | -2.990 | 0.000 | 0.000 | 384.700 | 13920.000 | 14470.000 | 86% | -0.589 |
| 2 | 22:32:57 | 910.300 | 2.209 | 0.000 | 0.000 | 404.600 | 14040.000 | 14650.000 | 82% | -0.565 |
| 3 | 22:34:05 | 973.200 | 7.157 | 0.000 | 0.000 | 424.500 | 14720.000 | 15480.000 | 81% | -0.870 |
| x | | 934.000 | 2.125 | 0.000 | 0.000 | 404.600 | 14230.000 | 14870.000 | 83% | -0.675 |
| σ | | 34.200 | 5.074 | 0.000 | 0.000 | 19.900 | 435.700 | 541.800 | 3% | 0.170 |
| %RSD | | 3.661 | 238.700 | 0.000 | 0.000 | 4.920 | 3.063 | 3.644 | 3 | 25.140 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:31:49 | 1.023 | 0.150 | 40.390 | 5.934 | -0.051 | 0.301 | 42.540 | -0.056 | 0.057 |
| 2 | 22:32:57 | 1.583 | 0.097 | 39.910 | 5.884 | -0.068 | 1.588 | 40.100 | -0.061 | 0.059 |
| 3 | 22:34:05 | 1.681 | 0.089 | 39.840 | 7.402 | -0.040 | 2.270 | 34.290 | -0.062 | 0.001 |
| x | | 1.429 | 0.112 | 40.050 | 6.407 | -0.053 | 1.386 | 38.980 | -0.060 | 0.039 |
| σ | | 0.355 | 0.033 | 0.298 | 0.863 | 0.014 | 1.000 | 4.237 | 0.003 | 0.033 |
| %RSD | | 24.820 | 29.590 | 0.745 | 13.470 | 26.570 | 72.130 | 10.870 | 5.456 | 83.660 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:31:49 | 0.993 | 0.845 | 4.437 | 0.529 | 0.275 | 0.178 | 0.613 | 0.275 | 3.504 |
| 2 | 22:32:57 | 0.859 | 0.974 | 4.716 | 0.272 | 1.172 | 0.227 | 1.327 | 1.168 | 1.677 |
| 3 | 22:34:05 | 0.956 | 1.027 | 4.628 | 0.795 | 1.197 | 0.155 | 1.490 | 1.195 | 4.701 |
| x | | 0.936 | 0.949 | 4.594 | 0.532 | 0.881 | 0.187 | 1.143 | 0.879 | 3.294 |
| σ | | 0.069 | 0.093 | 0.142 | 0.262 | 0.525 | 0.037 | 0.467 | 0.524 | 1.523 |
| %RSD | | 7.383 | 9.830 | 3.099 | 49.150 | 59.600 | 19.680 | 40.810 | 59.570 | 46.230 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:31:49 | -0.043 | -0.006 | 0.039 | -0.016 | -0.018 | 0.006 | 86% | 0.168 | -0.021 |
| 2 | 22:32:57 | -0.047 | -0.021 | -0.006 | 0.065 | 0.016 | 0.003 | 84% | 0.294 | -0.022 |
| 3 | 22:34:05 | -0.058 | 0.008 | 0.005 | -0.003 | 0.015 | 0.007 | 81% | 0.126 | -0.022 |
| x | | -0.049 | -0.006 | 0.012 | 0.016 | 0.004 | 0.005 | 84% | 0.196 | -0.022 |
| σ | | 0.008 | 0.015 | 0.024 | 0.043 | 0.019 | 0.002 | 2% | 0.088 | 0.001 |
| %RSD | | 15.850 | 229.200 | 190.200 | 278.700 | 435.800 | 41.800 | 3 | 44.730 | 3.953 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:31:49 | -0.024 | 0.161 | -0.025 | -0.073 | -0.050 | -0.061 | 1.351 | 1.535 | 89% |
| 2 | 22:32:57 | -0.090 | 0.285 | -0.021 | -0.059 | -0.071 | -0.059 | 1.403 | 1.550 | 88% |
| 3 | 22:34:05 | 0.063 | 0.119 | -0.027 | -0.083 | -0.066 | -0.049 | 1.796 | 1.757 | 85% |
| x | | -0.017 | 0.188 | -0.024 | -0.072 | -0.063 | -0.057 | 1.517 | 1.614 | 87% |
| σ | | 0.077 | 0.087 | 0.003 | 0.012 | 0.011 | 0.006 | 0.243 | 0.124 | 2% |
| %RSD | | 447.700 | 45.980 | 11.570 | 16.760 | 17.260 | 11.380 | 16.050 | 7.701 | 3 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:31:49 | 89% | -0.058 | -0.050 | 0.055 | 0.046 | 0.053 | 90% | 0.437 |
| 2 | 22:32:57 | 88% | -0.051 | -0.046 | 0.034 | 0.052 | 0.053 | 89% | 0.431 |
| 3 | 22:34:05 | 85% | -0.053 | -0.049 | 0.060 | 0.045 | 0.048 | 86% | 0.490 |
| x | | 87% | -0.054 | -0.048 | 0.050 | 0.048 | 0.051 | 88% | 0.453 |
| σ | | 2% | 0.004 | 0.002 | 0.014 | 0.004 | 0.003 | 2% | 0.033 |
| %RSD | | 2 | 6.763 | 3.543 | 27.570 | 8.315 | 5.290 | 2 | 7.189 |

**C1881-07X25 MF3TD7** 05/01/2011 10:38:40 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:39:48 | 79% | -0.152 | 76.460 | 0.000 | 13430.000 | 2487.000 | 2349.000 | 2399.000 | -0.461 |
| 2 | 22:40:56 | 77% | -0.085 | 73.430 | 0.000 | 13680.000 | 2548.000 | 2424.000 | 2424.000 | -0.233 |
| 3 | 22:42:04 | 81% | -0.152 | 70.400 | 0.000 | 13520.000 | 2513.000 | 2382.000 | 2407.000 | -0.204 |
| x | | 79% | -0.130 | 73.430 | 0.000 | 13550.000 | 2516.000 | 2385.000 | 2410.000 | -0.299 |
| σ | | 2% | 0.038 | 3.030 | 0.000 | 123.900 | 30.570 | 37.750 | 12.650 | 0.141 |
| %RSD | | 2 | 29.650 | 4.127 | 0.000 | 0.915 | 1.215 | 1.583 | 0.525 | 47.200 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:39:48 | 1164.000 | 2.404 | 0.000 | 0.000 | 195.800 | 6700.000 | 7230.000 | 82% | -0.943 |
| 2 | 22:40:56 | 1211.000 | 3.966 | 0.000 | 0.000 | 208.500 | 6885.000 | 7341.000 | 79% | -0.831 |
| 3 | 22:42:04 | 1194.000 | 4.263 | 0.000 | 0.000 | 196.200 | 7163.000 | 7375.000 | 81% | -0.838 |
| x | | 1190.000 | 3.544 | 0.000 | 0.000 | 200.200 | 6916.000 | 7315.000 | 81% | -0.870 |
| σ | | 23.820 | 0.999 | 0.000 | 0.000 | 7.203 | 233.100 | 75.980 | 1% | 0.063 |
| %RSD | | 2.001 | 28.180 | 0.000 | 0.000 | 3.598 | 3.371 | 1.039 | 2 | 7.188 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:39:48 | 2.681 | 0.064 | 32.160 | 6.708 | -0.036 | 1.973 | 17.100 | -0.040 | -0.064 |
| 2 | 22:40:56 | 1.762 | 0.145 | 33.980 | 4.595 | -0.010 | 3.424 | 15.480 | -0.042 | -0.032 |
| 3 | 22:42:04 | 2.970 | 0.143 | 29.990 | 7.171 | -0.038 | 2.294 | 17.870 | -0.044 | -0.055 |
| x | | 2.471 | 0.117 | 32.040 | 6.158 | -0.028 | 2.564 | 16.810 | -0.042 | -0.050 |
| σ | | 0.631 | 0.046 | 1.996 | 1.373 | 0.016 | 0.762 | 1.216 | 0.002 | 0.016 |
| %RSD | | 25.530 | 39.160 | 6.230 | 22.300 | 56.100 | 29.740 | 7.233 | 4.848 | 32.610 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:39:48 | 0.015 | 0.055 | 0.061 | 0.528 | 1.235 | 0.209 | 0.262 | 1.234 | -2.137 |
| 2 | 22:40:56 | 0.015 | -0.007 | -0.090 | 0.053 | -0.162 | 0.263 | 1.421 | -0.162 | 4.856 |
| 3 | 22:42:04 | 0.030 | 0.033 | 0.003 | -0.167 | 0.333 | 0.293 | 1.228 | 0.332 | 6.876 |
| x | | 0.020 | 0.027 | -0.008 | 0.138 | 0.469 | 0.255 | 0.970 | 0.468 | 3.199 |
| σ | | 0.008 | 0.031 | 0.076 | 0.355 | 0.708 | 0.043 | 0.621 | 0.708 | 4.730 |
| %RSD | | 42.300 | 116.700 | 897.700 | 257.100 | 151.200 | 16.820 | 64.020 | 151.200 | 147.900 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:39:48 | 0.019 | 0.042 | 0.084 | 0.077 | 0.035 | -0.001 | 81% | -0.109 | -0.017 |
| 2 | 22:40:56 | 0.027 | 0.077 | 0.055 | 0.079 | 0.043 | 0.003 | 81% | -0.867 | -0.013 |
| 3 | 22:42:04 | 0.030 | 0.075 | 0.068 | 0.049 | 0.058 | 0.007 | 82% | -0.859 | -0.019 |
| x | | 0.025 | 0.064 | 0.069 | 0.069 | 0.045 | 0.003 | 82% | -0.612 | -0.016 |
| σ | | 0.006 | 0.020 | 0.014 | 0.017 | 0.012 | 0.004 | 1% | 0.435 | 0.003 |
| %RSD | | 21.670 | 30.430 | 20.820 | 24.290 | 25.430 | 137.000 | 1 | 71.110 | 18.140 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:39:48 | 0.075 | -0.117 | -0.015 | -0.084 | -0.064 | -0.059 | 0.930 | 0.859 | 85% |
| 2 | 22:40:56 | 0.493 | -0.876 | -0.008 | -0.116 | -0.047 | -0.055 | 0.937 | 0.704 | 84% |
| 3 | 22:42:04 | 0.429 | -0.866 | -0.006 | -0.116 | -0.083 | -0.042 | 0.565 | 0.862 | 85% |
| x | | 0.332 | -0.620 | -0.010 | -0.106 | -0.065 | -0.052 | 0.811 | 0.808 | 85% |
| σ | | 0.225 | 0.435 | 0.005 | 0.018 | 0.018 | 0.009 | 0.213 | 0.090 | 1% |
| %RSD | | 67.710 | 70.260 | 50.410 | 17.410 | 27.870 | 16.790 | 26.280 | 11.180 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:39:48 | 86% | -0.047 | -0.041 | -0.066 | -0.049 | -0.063 | 87% | 0.341 |
| 2 | 22:40:56 | 85% | -0.051 | -0.043 | -0.082 | -0.062 | -0.065 | 86% | 0.355 |
| 3 | 22:42:04 | 85% | -0.056 | -0.042 | -0.071 | -0.076 | -0.067 | 87% | 0.355 |
| x | | 85% | -0.052 | -0.042 | -0.073 | -0.062 | -0.065 | 87% | 0.351 |
| σ | | 0% | 0.005 | 0.001 | 0.008 | 0.013 | 0.002 | 1% | 0.008 |
| %RSD | | 0 | 8.800 | 2.027 | 10.850 | 20.930 | 3.437 | 1 | 2.315 |

**C1881-08X25 MF3TE2** 05/01/2011 10:46:39 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:47:47 | 85% | -0.142 | 41.940 | 0.000 | 8078.000 | 1427.000 | 1423.000 | 1463.000 | 0.040 |
| 2 | 22:48:55 | 84% | -0.122 | 41.150 | 0.000 | 7978.000 | 1465.000 | 1407.000 | 1425.000 | -0.306 |
| 3 | 22:50:03 | 84% | -0.132 | 45.550 | 0.000 | 7901.000 | 1386.000 | 1392.000 | 1410.000 | -0.185 |
| x | | 84% | -0.132 | 42.880 | 0.000 | 7986.000 | 1426.000 | 1407.000 | 1433.000 | -0.150 |
| σ | | 0% | 0.010 | 2.346 | 0.000 | 89.000 | 39.850 | 15.810 | 27.400 | 0.176 |
| %RSD | | 0 | 7.748 | 5.471 | 0.000 | 1.115 | 2.795 | 1.123 | 1.912 | 117.000 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:47:47 | 914.100 | 4.080 | 0.000 | 0.000 | 188.000 | 6118.000 | 6285.000 | 83% | -0.709 |
| 2 | 22:48:55 | 883.700 | 2.161 | 0.000 | 0.000 | 173.400 | 5934.000 | 6134.000 | 85% | -0.950 |
| 3 | 22:50:03 | 881.200 | 4.261 | 0.000 | 0.000 | 182.100 | 5739.000 | 6223.000 | 83% | -0.744 |
| x | | 893.000 | 3.500 | 0.000 | 0.000 | 181.100 | 5930.000 | 6214.000 | 84% | -0.801 |
| σ | | 18.310 | 1.164 | 0.000 | 0.000 | 7.368 | 189.300 | 76.180 | 1% | 0.130 |
| %RSD | | 2.050 | 33.250 | 0.000 | 0.000 | 4.067 | 3.193 | 1.226 | 1 | 16.230 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:47:47 | 0.962 | 0.079 | 25.430 | 4.533 | -0.038 | 3.055 | 19.540 | -0.045 | -0.050 |
| 2 | 22:48:55 | 1.345 | 0.023 | 23.760 | 2.025 | -0.043 | 1.623 | 19.940 | -0.051 | -0.036 |
| 3 | 22:50:03 | 2.155 | 0.069 | 23.030 | 4.699 | -0.041 | 1.944 | 18.230 | -0.052 | -0.059 |
| x | | 1.487 | 0.057 | 24.070 | 3.753 | -0.041 | 2.207 | 19.240 | -0.049 | -0.048 |
| σ | | 0.609 | 0.030 | 1.232 | 1.498 | 0.003 | 0.752 | 0.897 | 0.004 | 0.011 |
| %RSD | | 40.950 | 51.830 | 5.116 | 39.920 | 7.002 | 34.060 | 4.664 | 7.950 | 23.070 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:47:47 | -0.091 | -0.081 | -0.141 | 0.412 | 0.063 | 0.117 | 0.497 | 0.063 | 5.541 |
| 2 | 22:48:55 | -0.071 | -0.069 | -0.159 | 0.115 | 0.062 | 0.189 | -0.006 | 0.062 | 2.362 |
| 3 | 22:50:03 | -0.084 | -0.088 | 0.047 | 0.700 | 0.549 | 0.091 | 0.326 | 0.548 | 1.313 |
| x | | -0.082 | -0.079 | -0.084 | 0.409 | 0.224 | 0.133 | 0.273 | 0.224 | 3.072 |
| σ | | 0.010 | 0.009 | 0.114 | 0.293 | 0.281 | 0.051 | 0.256 | 0.281 | 2.202 |
| %RSD | | 12.570 | 11.930 | 136.000 | 71.530 | 125.200 | 38.200 | 93.760 | 125.200 | 71.660 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:47:47 | -0.001 | 0.028 | 0.061 | 0.064 | 0.066 | 0.014 | 84% | -0.235 | -0.012 |
| 2 | 22:48:55 | -0.008 | -0.011 | 0.040 | 0.045 | 0.068 | 0.007 | 84% | -0.434 | -0.017 |
| 3 | 22:50:03 | -0.030 | 0.045 | 0.081 | 0.074 | 0.057 | 0.003 | 83% | -0.509 | -0.021 |
| x | | -0.013 | 0.021 | 0.061 | 0.061 | 0.064 | 0.008 | 84% | -0.393 | -0.016 |
| σ | | 0.015 | 0.029 | 0.020 | 0.015 | 0.006 | 0.006 | 1% | 0.142 | 0.005 |
| %RSD | | 117.800 | 137.800 | 33.520 | 23.790 | 9.320 | 74.560 | 1 | 36.090 | 27.390 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:47:47 | 0.083 | -0.238 | -0.019 | -0.078 | -0.057 | -0.055 | 1.352 | 1.597 | 85% |
| 2 | 22:48:55 | 0.193 | -0.439 | -0.005 | -0.097 | -0.069 | -0.067 | 1.380 | 1.293 | 86% |
| 3 | 22:50:03 | 0.294 | -0.516 | -0.019 | -0.109 | -0.072 | -0.063 | 1.224 | 1.271 | 86% |
| x | | 0.190 | -0.398 | -0.014 | -0.095 | -0.066 | -0.062 | 1.319 | 1.387 | 86% |
| σ | | 0.105 | 0.143 | 0.008 | 0.016 | 0.008 | 0.006 | 0.083 | 0.182 | 1% |
| %RSD | | 55.450 | 36.030 | 57.610 | 16.450 | 12.560 | 9.262 | 6.281 | 13.130 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:47:47 | 85% | -0.052 | -0.041 | -0.078 | -0.064 | -0.071 | 87% | 0.381 |
| 2 | 22:48:55 | 87% | -0.047 | -0.044 | -0.079 | -0.071 | -0.079 | 89% | 0.348 |
| 3 | 22:50:03 | 86% | -0.052 | -0.048 | -0.082 | -0.074 | -0.077 | 87% | 0.358 |
| x | | 86% | -0.050 | -0.045 | -0.080 | -0.070 | -0.076 | 88% | 0.362 |
| σ | | 1% | 0.003 | 0.003 | 0.002 | 0.005 | 0.004 | 1% | 0.017 |
| %RSD | | 1 | 5.781 | 7.527 | 2.880 | 7.845 | 5.329 | 1 | 4.651 |

**C1881-09X25 MF3TE3** 05/01/2011 10:54:39 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:55:47 | 79% | -0.152 | 64.160 | 0.000 | 16620.000 | 3615.000 | 3444.000 | 3468.000 | -0.260 |
| 2 | 22:56:55 | 78% | -0.141 | 61.800 | 0.000 | 16780.000 | 3718.000 | 3560.000 | 3546.000 | -0.129 |
| 3 | 22:58:03 | 78% | -0.130 | 57.990 | 0.000 | 17110.000 | 3764.000 | 3589.000 | 3618.000 | -0.301 |
| x | | 79% | -0.141 | 61.320 | 0.000 | 16830.000 | 3699.000 | 3531.000 | 3544.000 | -0.230 |
| σ | | 1% | 0.011 | 3.115 | 0.000 | 249.600 | 76.210 | 76.370 | 75.090 | 0.090 |
| %RSD | | 1 | 7.784 | 5.081 | 0.000 | 1.483 | 2.060 | 2.163 | 2.119 | 39.170 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:55:47 | 1083.000 | 3.144 | 0.000 | 0.000 | 251.500 | 10850.000 | 11450.000 | 80% | -0.869 |
| 2 | 22:56:55 | 1090.000 | 3.953 | 0.000 | 0.000 | 253.000 | 10720.000 | 11550.000 | 81% | -0.661 |
| 3 | 22:58:03 | 1122.000 | 1.844 | 0.000 | 0.000 | 259.400 | 11110.000 | 11810.000 | 80% | -0.728 |
| x | | 1098.000 | 2.980 | 0.000 | 0.000 | 254.600 | 10890.000 | 11600.000 | 80% | -0.753 |
| σ | | 20.690 | 1.064 | 0.000 | 0.000 | 4.197 | 200.700 | 184.600 | 0% | 0.106 |
| %RSD | | 1.884 | 35.690 | 0.000 | 0.000 | 1.648 | 1.843 | 1.591 | 0 | 14.050 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:55:47 | 1.355 | 0.143 | 23.130 | 7.861 | -0.068 | 3.586 | 32.140 | -0.022 | 0.049 |
| 2 | 22:56:55 | 1.984 | 0.040 | 22.660 | 5.282 | -0.029 | 3.795 | 35.160 | -0.051 | -0.025 |
| 3 | 22:58:03 | 1.755 | 0.090 | 22.360 | 8.968 | -0.033 | 4.218 | 33.020 | -0.032 | 0.058 |
| x | | 1.698 | 0.091 | 22.710 | 7.370 | -0.043 | 3.866 | 33.440 | -0.035 | 0.027 |
| σ | | 0.318 | 0.051 | 0.387 | 1.891 | 0.022 | 0.322 | 1.552 | 0.015 | 0.046 |
| %RSD | | 18.720 | 56.490 | 1.702 | 25.660 | 50.080 | 8.326 | 4.642 | 43.230 | 168.700 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:55:47 | 16.440 | 16.470 | -0.064 | 0.064 | 0.157 | 0.206 | 0.750 | 0.157 | 5.160 |
| 2 | 22:56:55 | 16.940 | 16.410 | -0.085 | 0.507 | 0.612 | 0.123 | 1.330 | 0.611 | 4.466 |
| 3 | 22:58:03 | 16.640 | 16.780 | 0.015 | 0.171 | -0.117 | 0.168 | 1.347 | -0.117 | 5.586 |
| x | | 16.670 | 16.550 | -0.044 | 0.247 | 0.218 | 0.166 | 1.142 | 0.217 | 5.071 |
| σ | | 0.254 | 0.199 | 0.053 | 0.231 | 0.368 | 0.042 | 0.340 | 0.368 | 0.565 |
| %RSD | | 1.520 | 1.202 | 119.200 | 93.600 | 169.200 | 25.130 | 29.740 | 169.200 | 11.150 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:55:47 | -0.040 | -0.014 | -0.015 | 0.016 | 0.015 | 0.015 | 81% | -0.152 | -0.024 |
| 2 | 22:56:55 | -0.021 | 0.026 | -0.005 | -0.011 | 0.033 | 0.011 | 81% | 0.333 | -0.024 |
| 3 | 22:58:03 | -0.033 | 0.021 | -0.009 | 0.044 | 0.013 | 0.003 | 80% | -0.193 | -0.022 |
| x | | -0.031 | 0.011 | -0.009 | 0.016 | 0.020 | 0.010 | 81% | -0.004 | -0.023 |
| σ | | 0.009 | 0.022 | 0.005 | 0.027 | 0.011 | 0.006 | 0% | 0.293 | 0.001 |
| %RSD | | 29.270 | 203.100 | 53.430 | 167.600 | 54.040 | 63.500 | 0 | 6896.000 | 4.711 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:55:47 | 0.040 | -0.160 | -0.019 | -0.073 | -0.063 | -0.055 | 0.504 | 0.634 | 84% |
| 2 | 22:56:55 | -0.226 | 0.324 | -0.021 | -0.051 | -0.066 | -0.062 | 0.553 | 0.504 | 85% |
| 3 | 22:58:03 | 0.063 | -0.201 | -0.019 | -0.083 | -0.049 | -0.058 | 0.573 | 0.704 | 84% |
| x | | -0.041 | -0.013 | -0.020 | -0.069 | -0.059 | -0.059 | 0.543 | 0.614 | 84% |
| σ | | 0.161 | 0.292 | 0.001 | 0.016 | 0.009 | 0.004 | 0.035 | 0.102 | 1% |
| %RSD | | 389.600 | 2315.000 | 5.619 | 23.590 | 15.650 | 6.503 | 6.519 | 16.540 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 22:55:47 | 85% | -0.048 | -0.046 | 0.834 | 0.757 | 0.779 | 86% | 0.512 |
| 2 | 22:56:55 | 85% | -0.056 | -0.045 | 0.874 | 0.839 | 0.824 | 86% | 0.532 |
| 3 | 22:58:03 | 85% | -0.051 | -0.043 | 0.905 | 0.832 | 0.862 | 86% | 0.525 |
| x | | 85% | -0.052 | -0.045 | 0.871 | 0.809 | 0.822 | 86% | 0.523 |
| σ | | 0% | 0.004 | 0.001 | 0.035 | 0.045 | 0.041 | 0% | 0.010 |
| %RSD | | 0 | 8.041 | 2.899 | 4.072 | 5.608 | 5.036 | 0 | 1.940 |

**C1881-10X25 MF3TE4** 05/01/2011 11:02:39 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:03:47 | 80% | -0.098 | 47.390 | 0.000 | 10160.000 | 2016.000 | 1883.000 | 1906.000 | -0.210 |
| 2 | 23:04:55 | 82% | -0.079 | 46.340 | 0.000 | 10120.000 | 1999.000 | 1897.000 | 1900.000 | -0.346 |
| 3 | 23:06:03 | 78% | -0.162 | 45.310 | 0.000 | 10540.000 | 2095.000 | 1966.000 | 1976.000 | -0.303 |
| x | | 80% | -0.113 | 46.350 | 0.000 | 10280.000 | 2037.000 | 1915.000 | 1928.000 | -0.286 |
| σ | | 2% | 0.044 | 1.039 | 0.000 | 228.500 | 51.480 | 44.440 | 42.270 | 0.069 |
| %RSD | | 3 | 38.710 | 2.242 | 0.000 | 2.224 | 2.527 | 2.320 | 2.193 | 24.180 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:03:47 | 1036.000 | 1.801 | 0.000 | 0.000 | 202.900 | 7166.000 | 7546.000 | 81% | -0.597 |
| 2 | 23:04:55 | 1035.000 | 0.297 | 0.000 | 0.000 | 202.000 | 7329.000 | 7627.000 | 82% | -0.737 |
| 3 | 23:06:03 | 1077.000 | 2.846 | 0.000 | 0.000 | 210.600 | 7412.000 | 7935.000 | 81% | -0.906 |
| x | | 1050.000 | 1.648 | 0.000 | 0.000 | 205.200 | 7302.000 | 7703.000 | 81% | -0.747 |
| σ | | 23.860 | 1.281 | 0.000 | 0.000 | 4.757 | 125.100 | 204.900 | 1% | 0.155 |
| %RSD | | 2.273 | 77.730 | 0.000 | 0.000 | 2.318 | 1.713 | 2.661 | 1 | 20.740 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:03:47 | 2.638 | 0.033 | 18.440 | 4.715 | -0.050 | 1.442 | 17.660 | -0.050 | -0.001 |
| 2 | 23:04:55 | 1.134 | 0.047 | 19.730 | 4.311 | -0.061 | 0.998 | 19.510 | -0.051 | 0.007 |
| 3 | 23:06:03 | 2.665 | 0.139 | 17.810 | 6.348 | -0.084 | 1.921 | 20.460 | -0.055 | 0.064 |
| x | | 2.146 | 0.073 | 18.660 | 5.124 | -0.065 | 1.454 | 19.210 | -0.052 | 0.023 |
| σ | | 0.876 | 0.058 | 0.977 | 1.079 | 0.017 | 0.462 | 1.425 | 0.002 | 0.035 |
| %RSD | | 40.850 | 78.910 | 5.237 | 21.050 | 26.670 | 31.750 | 7.419 | 4.800 | 150.900 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:03:47 | 1.209 | 1.113 | 1.028 | -0.189 | -0.070 | 0.212 | 1.250 | -0.070 | 3.249 |
| 2 | 23:04:55 | 1.110 | 1.319 | 0.791 | 0.105 | -0.114 | 0.184 | 0.663 | -0.114 | 2.521 |
| 3 | 23:06:03 | 0.985 | 1.313 | 0.825 | 0.723 | 1.104 | 0.038 | 0.807 | 1.101 | 1.945 |
| x | | 1.101 | 1.248 | 0.881 | 0.213 | 0.306 | 0.145 | 0.907 | 0.306 | 2.572 |
| σ | | 0.113 | 0.117 | 0.128 | 0.466 | 0.691 | 0.094 | 0.306 | 0.689 | 0.653 |
| %RSD | | 10.240 | 9.405 | 14.540 | 218.800 | 225.300 | 64.740 | 33.730 | 225.400 | 25.400 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:03:47 | -0.028 | 0.008 | -0.000 | 0.050 | 0.049 | 0.003 | 82% | 0.025 | -0.024 |
| 2 | 23:04:55 | -0.029 | -0.009 | 0.068 | 0.085 | 0.011 | -0.001 | 82% | -0.293 | -0.030 |
| 3 | 23:06:03 | -0.022 | 0.008 | 0.049 | -0.003 | 0.015 | 0.003 | 82% | -0.277 | -0.028 |
| x | | -0.026 | 0.002 | 0.039 | 0.044 | 0.025 | 0.002 | 82% | -0.182 | -0.027 |
| σ | | 0.004 | 0.010 | 0.035 | 0.044 | 0.021 | 0.002 | 0% | 0.179 | 0.003 |
| %RSD | | 13.520 | 462.000 | 90.870 | 100.500 | 83.440 | 147.000 | 0 | 98.600 | 10.320 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:03:47 | 0.002 | 0.016 | -0.017 | -0.069 | -0.053 | -0.059 | 0.711 | 0.902 | 86% |
| 2 | 23:04:55 | 0.176 | -0.301 | -0.023 | -0.088 | -0.064 | -0.055 | 0.819 | 0.706 | 85% |
| 3 | 23:06:03 | 0.109 | -0.285 | -0.025 | -0.081 | -0.069 | -0.063 | 0.908 | 0.893 | 85% |
| x | | 0.095 | -0.190 | -0.022 | -0.079 | -0.062 | -0.059 | 0.813 | 0.834 | 85% |
| σ | | 0.088 | 0.179 | 0.004 | 0.010 | 0.008 | 0.004 | 0.099 | 0.111 | 1% |
| %RSD | | 92.240 | 94.130 | 18.000 | 12.180 | 13.230 | 6.342 | 12.130 | 13.300 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:03:47 | 85% | -0.049 | -0.044 | 0.017 | 0.006 | 0.004 | 87% | 0.326 |
| 2 | 23:04:55 | 86% | -0.056 | -0.042 | 0.012 | 0.007 | 0.004 | 87% | 0.305 |
| 3 | 23:06:03 | 85% | -0.053 | -0.046 | 0.005 | -0.001 | 0.002 | 86% | 0.336 |
| x | | 85% | -0.053 | -0.044 | 0.011 | 0.004 | 0.003 | 87% | 0.322 |
| σ | | 0% | 0.004 | 0.002 | 0.006 | 0.004 | 0.001 | 0% | 0.016 |
| %RSD | | 0 | 6.713 | 5.475 | 49.950 | 104.500 | 42.090 | 0 | 4.812 |

**CCV** 05/01/2011 11:10:37 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:11:45 | 72% | 486.400 | 451.500 | 0.000 | 49500.000 | 49110.000 | 49110.000 | 49080.000 | 9875.000 |
| 2 | 23:12:53 | 71% | 489.800 | 490.700 | 0.000 | 49640.000 | 49770.000 | 48710.000 | 48430.000 | 9824.000 |
| 3 | 23:14:01 | 70% | 507.700 | 500.100 | 0.000 | 50690.000 | 50640.000 | 50160.000 | 49870.000 | 10070.000 |
| x | | 71% | 494.600 | 480.700 | 0.000 | 49940.000 | 49840.000 | 49330.000 | 49120.000 | 9923.000 |
| σ | | 1% | 11.470 | 25.760 | 0.000 | 648.700 | 767.500 | 750.100 | 721.000 | 130.100 |
| %RSD | | 1 | 2.319 | 5.358 | 0.000 | 1.299 | 1.540 | 1.521 | 1.468 | 1.311 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:11:45 | 472.900 | 9781.000 | 0.000 | 0.000 | 24720.000 | 48840.000 | 46570.000 | 74% | 467.500 |
| 2 | 23:12:53 | 467.800 | 9800.000 | 0.000 | 0.000 | 24840.000 | 48570.000 | 46410.000 | 74% | 476.700 |
| 3 | 23:14:01 | 491.500 | 9946.000 | 0.000 | 0.000 | 25650.000 | 50660.000 | 47830.000 | 72% | 490.100 |
| x | | 477.400 | 9842.000 | 0.000 | 0.000 | 25070.000 | 49360.000 | 46940.000 | 74% | 478.100 |
| σ | | 12.510 | 90.550 | 0.000 | 0.000 | 506.300 | 1139.000 | 778.100 | 1% | 11.360 |
| %RSD | | 2.621 | 0.920 | 0.000 | 0.000 | 2.020 | 2.308 | 1.658 | 2 | 2.375 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:11:45 | 470.500 | 471.500 | 21.040 | 24100.000 | 961.600 | 24290.000 | 24240.000 | 459.200 | 463.600 |
| 2 | 23:12:53 | 467.600 | 468.500 | 26.640 | 24210.000 | 966.200 | 24260.000 | 24210.000 | 464.500 | 470.800 |
| 3 | 23:14:01 | 479.500 | 475.200 | 26.640 | 24760.000 | 978.000 | 24850.000 | 24870.000 | 474.300 | 476.200 |
| x | | 472.500 | 471.800 | 24.770 | 24350.000 | 968.600 | 24470.000 | 24440.000 | 466.000 | 470.200 |
| σ | | 6.171 | 3.358 | 3.234 | 354.300 | 8.438 | 334.100 | 376.300 | 7.669 | 6.292 |
| %RSD | | 1.306 | 0.712 | 13.060 | 1.455 | 0.871 | 1.366 | 1.540 | 1.646 | 1.338 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:11:45 | 926.600 | 937.200 | 952.800 | 473.100 | 477.400 | -1.592 | 480.900 | 477.300 | 4.863 |
| 2 | 23:12:53 | 942.000 | 949.200 | 949.800 | 473.500 | 473.300 | -1.396 | 475.200 | 473.200 | 3.849 |
| 3 | 23:14:01 | 954.600 | 963.000 | 970.300 | 483.800 | 485.900 | -1.081 | 479.000 | 484.600 | 2.033 |
| x | | 941.100 | 949.800 | 957.700 | 476.800 | 478.900 | -1.356 | 478.400 | 478.400 | 3.582 |
| σ | | 14.010 | 12.940 | 11.050 | 6.029 | 6.426 | 0.258 | 2.887 | 5.740 | 1.434 |
| %RSD | | 1.489 | 1.362 | 1.154 | 1.264 | 1.342 | 19.000 | 0.603 | 1.200 | 40.030 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:11:45 | 328.000 | 472.200 | 459.100 | 466.200 | 469.700 | 0.008 | 73% | 440.000 | 480.400 |
| 2 | 23:12:53 | 329.300 | 476.400 | 453.800 | 470.800 | 471.900 | 0.012 | 73% | 457.900 | 480.400 |
| 3 | 23:14:01 | 329.300 | 476.300 | 458.600 | 471.200 | 472.700 | 0.008 | 73% | 454.200 | 481.800 |
| x | | 328.900 | 475.000 | 457.200 | 469.400 | 471.400 | 0.009 | 73% | 450.700 | 480.900 |
| σ | | 0.768 | 2.427 | 2.919 | 2.774 | 1.571 | 0.003 | 0% | 9.459 | 0.837 |
| %RSD | | 0.234 | 0.511 | 0.639 | 0.591 | 0.333 | 28.050 | 0 | 2.099 | 0.174 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:11:45 | 10.140 | 439.900 | 480.600 | 474.000 | 408.000 | 476.500 | 2426.000 | 2411.000 | 80% |
| 2 | 23:12:53 | 3.933 | 457.900 | 482.500 | 473.700 | 413.700 | 481.300 | 2425.000 | 2418.000 | 79% |
| 3 | 23:14:01 | 4.381 | 454.300 | 482.900 | 473.000 | 414.500 | 478.300 | 2420.000 | 2434.000 | 79% |
| x | | 6.151 | 450.700 | 482.000 | 473.600 | 412.000 | 478.700 | 2424.000 | 2421.000 | 79% |
| σ | | 3.461 | 9.498 | 1.237 | 0.488 | 3.547 | 2.429 | 3.107 | 11.690 | 1% |
| %RSD | | 56.260 | 2.107 | 0.257 | 0.103 | 0.861 | 0.507 | 0.128 | 0.483 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:11:45 | 80% | 477.000 | 479.300 | 478.000 | 478.700 | 478.000 | 81% | 493.600 |
| 2 | 23:12:53 | 81% | 481.600 | 480.000 | 478.000 | 482.400 | 480.600 | 80% | 491.000 |
| 3 | 23:14:01 | 79% | 486.600 | 482.000 | 486.500 | 485.400 | 486.200 | 79% | 499.100 |
| x | | 80% | 481.700 | 480.400 | 480.800 | 482.100 | 481.600 | 80% | 494.600 |
| σ | | 1% | 4.827 | 1.386 | 4.939 | 3.352 | 4.178 | 1% | 4.157 |
| %RSD | | 1 | 1.002 | 0.289 | 1.027 | 0.695 | 0.868 | 1 | 0.841 |

**CCB** 05/01/2011 11:18:34 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:19:42 | 73% | 0.588 | 12.700 | 0.000 | 172.200 | 52.180 | 49.720 | 52.810 | 9.359 |
| 2 | 23:20:51 | 71% | 0.232 | 11.890 | 0.000 | 141.700 | 38.220 | 35.260 | 36.490 | 6.754 |
| 3 | 23:21:59 | 74% | 0.115 | 9.809 | 0.000 | 108.900 | 19.550 | 20.030 | 18.780 | 3.919 |
| x | | 73% | 0.312 | 11.470 | 0.000 | 140.900 | 36.650 | 35.000 | 36.030 | 6.678 |
| σ | | 1% | 0.246 | 1.490 | 0.000 | 31.650 | 16.370 | 14.840 | 17.020 | 2.721 |
| %RSD | | 2 | 79.030 | 13.000 | 0.000 | 22.450 | 44.680 | 42.410 | 47.250 | 40.740 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:19:42 | 1.840 | 20.740 | 0.000 | 0.000 | 57.590 | 54.740 | -1.446 | 74% | 0.529 |
| 2 | 23:20:51 | 3.864 | 16.180 | 0.000 | 0.000 | 40.900 | 39.470 | -19.340 | 74% | -0.276 |
| 3 | 23:21:59 | 1.194 | 12.640 | 0.000 | 0.000 | 29.010 | 24.590 | -36.570 | 73% | -0.383 |
| x | | 2.299 | 16.520 | 0.000 | 0.000 | 42.500 | 39.600 | -19.120 | 73% | -0.043 |
| σ | | 1.393 | 4.057 | 0.000 | 0.000 | 14.360 | 15.080 | 17.560 | 0% | 0.498 |
| %RSD | | 60.580 | 24.560 | 0.000 | 0.000 | 33.790 | 38.070 | 91.860 | 1 | 1150.000 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:19:42 | 0.873 | 0.537 | 15.660 | 25.010 | 1.003 | 21.850 | 24.620 | 0.440 | 0.241 |
| 2 | 23:20:51 | 0.139 | 0.385 | 16.140 | 19.540 | 0.702 | 16.830 | 21.180 | 0.343 | 0.302 |
| 3 | 23:21:59 | 0.361 | 0.261 | 14.590 | 15.150 | 0.324 | 10.380 | 15.310 | 0.162 | 0.125 |
| x | | 0.457 | 0.394 | 15.470 | 19.900 | 0.676 | 16.350 | 20.370 | 0.315 | 0.223 |
| σ | | 0.377 | 0.138 | 0.793 | 4.942 | 0.340 | 5.749 | 4.710 | 0.141 | 0.090 |
| %RSD | | 82.320 | 35.070 | 5.128 | 24.840 | 50.320 | 35.160 | 23.130 | 44.680 | 40.350 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:19:42 | 0.943 | 1.245 | 0.751 | 0.800 | -0.074 | 0.044 | 0.019 | -0.074 | 3.194 |
| 2 | 23:20:51 | 0.554 | 0.680 | 0.494 | 0.418 | 0.373 | 0.066 | 0.545 | 0.373 | 0.766 |
| 3 | 23:21:59 | 0.316 | 0.093 | 0.126 | 0.171 | -0.422 | 0.098 | 0.276 | -0.421 | 2.202 |
| x | | 0.604 | 0.673 | 0.457 | 0.463 | -0.041 | 0.069 | 0.280 | -0.041 | 2.054 |
| σ | | 0.316 | 0.577 | 0.314 | 0.317 | 0.399 | 0.027 | 0.263 | 0.398 | 1.221 |
| %RSD | | 52.350 | 85.690 | 68.720 | 68.400 | 974.500 | 39.130 | 93.860 | 980.800 | 59.420 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:19:42 | 0.858 | 1.058 | 1.164 | 1.109 | 1.181 | 0.003 | 75% | 0.884 | 0.688 |
| 2 | 23:20:51 | 0.453 | 0.908 | 0.656 | 0.874 | 0.832 | 0.008 | 74% | -0.291 | 0.347 |
| 3 | 23:21:59 | 0.337 | 0.503 | 0.509 | 0.533 | 0.547 | 0.003 | 75% | -0.003 | 0.210 |
| x | | 0.549 | 0.823 | 0.776 | 0.839 | 0.854 | 0.005 | 75% | 0.197 | 0.415 |
| σ | | 0.274 | 0.287 | 0.344 | 0.290 | 0.318 | 0.003 | 1% | 0.612 | 0.246 |
| %RSD | | 49.810 | 34.840 | 44.280 | 34.540 | 37.230 | 54.430 | 1 | 311.100 | 59.240 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:19:42 | -0.276 | 0.877 | 0.722 | 0.513 | 0.484 | 0.886 | 2.687 | 2.550 | 79% |
| 2 | 23:20:51 | 0.378 | -0.301 | 0.382 | 0.266 | 0.528 | 0.591 | 1.493 | 1.631 | 78% |
| 3 | 23:21:59 | 0.086 | -0.010 | 0.185 | 0.105 | 0.297 | 0.334 | 0.892 | 0.878 | 78% |
| x | | 0.063 | 0.188 | 0.429 | 0.295 | 0.436 | 0.604 | 1.691 | 1.687 | 78% |
| σ | | 0.327 | 0.614 | 0.272 | 0.206 | 0.123 | 0.276 | 0.914 | 0.837 | 1% |
| %RSD | | 522.300 | 325.700 | 63.280 | 69.750 | 28.140 | 45.780 | 54.050 | 49.650 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:19:42 | 79% | 0.696 | 0.701 | 0.474 | 0.471 | 0.480 | 81% | 0.441 |
| 2 | 23:20:51 | 78% | 0.377 | 0.379 | 0.324 | 0.346 | 0.318 | 81% | 0.321 |
| 3 | 23:21:59 | 78% | 0.138 | 0.154 | 0.137 | 0.129 | 0.129 | 80% | 0.174 |
| x | | 78% | 0.403 | 0.412 | 0.312 | 0.315 | 0.309 | 81% | 0.312 |
| σ | | 1% | 0.280 | 0.275 | 0.169 | 0.173 | 0.176 | 0% | 0.134 |
| %RSD | | 1 | 69.410 | 66.840 | 54.090 | 54.780 | 56.840 | 0 | 42.810 |

**C1881-11 MF3T95** 05/01/2011 11:26:32 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:27:40 | 73% | 0.155 | 1143.000 | 0.000 | 245800.000 | 59630.000 | 58850.000 | 58080.000 | 5.354 |
| 2 | 23:28:48 | 73% | 0.003 | 1152.000 | 0.000 | 247200.000 | 59970.000 | 59170.000 | 58850.000 | 3.026 |
| 3 | 23:29:56 | 73% | -0.057 | 1108.000 | 0.000 | 233800.000 | 56250.000 | 55600.000 | 55370.000 | 2.745 |
| x | | 73% | 0.034 | 1135.000 | 0.000 | 242300.000 | 58620.000 | 57870.000 | 57430.000 | 3.709 |
| σ | | 0% | 0.110 | 23.330 | 0.000 | 7383.000 | 2057.000 | 1978.000 | 1825.000 | 1.432 |
| %RSD | | 0 | 326.200 | 2.056 | 0.000 | 3.047 | 3.510 | 3.417 | 3.178 | 38.620 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:27:40 | 28510.000 | 8.212 | 0.000 | 0.000 | 7058.000 | 187400.000 | 209800.000 | 72% | 1.635 |
| 2 | 23:28:48 | 28740.000 | 4.454 | 0.000 | 0.000 | 6955.000 | 188300.000 | 210900.000 | 72% | 1.001 |
| 3 | 23:29:56 | 26860.000 | -0.535 | 0.000 | 0.000 | 6564.000 | 174800.000 | 193500.000 | 75% | 1.290 |
| x | | 28040.000 | 4.044 | 0.000 | 0.000 | 6859.000 | 183500.000 | 204700.000 | 73% | 1.308 |
| σ | | 1023.000 | 4.388 | 0.000 | 0.000 | 260.700 | 7589.000 | 9757.000 | 2% | 0.318 |
| %RSD | | 3.649 | 108.500 | 0.000 | 0.000 | 3.801 | 4.135 | 4.766 | 2 | 24.260 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:27:40 | 65.190 | 33.170 | 186.200 | 14.950 | 0.469 | 21.630 | 645.400 | 0.409 | 3.441 |
| 2 | 23:28:48 | 68.190 | 33.080 | 191.200 | 11.440 | 0.289 | 15.450 | 587.900 | 0.186 | 3.120 |
| 3 | 23:29:56 | 60.400 | 30.680 | 191.300 | 9.632 | 0.219 | 11.410 | 537.600 | 0.197 | 2.812 |
| x | | 64.590 | 32.310 | 189.600 | 12.010 | 0.326 | 16.160 | 590.300 | 0.264 | 3.124 |
| σ | | 3.926 | 1.412 | 2.896 | 2.702 | 0.129 | 5.146 | 53.970 | 0.126 | 0.315 |
| %RSD | | 6.079 | 4.369 | 1.527 | 22.500 | 39.500 | 31.840 | 9.142 | 47.580 | 10.080 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:27:40 | 5.705 | 6.040 | 9.836 | 12.960 | 16.760 | 0.914 | 12.340 | 16.840 | 1.768 |
| 2 | 23:28:48 | 5.636 | 5.878 | 9.920 | 12.710 | 18.200 | 0.968 | 13.880 | 18.290 | 0.930 |
| 3 | 23:29:56 | 4.879 | 5.912 | 8.615 | 10.740 | 14.730 | 1.097 | 11.490 | 14.800 | 4.611 |
| x | | 5.407 | 5.943 | 9.457 | 12.140 | 16.560 | 0.993 | 12.570 | 16.640 | 2.436 |
| σ | | 0.458 | 0.086 | 0.731 | 1.219 | 1.743 | 0.094 | 1.214 | 1.753 | 1.930 |
| %RSD | | 8.476 | 1.442 | 7.725 | 10.040 | 10.520 | 9.501 | 9.656 | 10.540 | 79.210 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:27:40 | 3.808 | 3.975 | 4.160 | 4.615 | 4.349 | 0.013 | 67% | -0.564 | 0.161 |
| 2 | 23:28:48 | 8.172 | 4.081 | 4.007 | 4.280 | 4.169 | 0.004 | 67% | -1.712 | 0.100 |
| 3 | 23:29:56 | 2.620 | 4.209 | 3.482 | 3.884 | 3.974 | 0.004 | 70% | -2.399 | 0.045 |
| x | | 4.867 | 4.088 | 3.883 | 4.260 | 4.164 | 0.007 | 68% | -1.558 | 0.102 |
| σ | | 2.923 | 0.117 | 0.356 | 0.366 | 0.188 | 0.006 | 2% | 0.927 | 0.058 |
| %RSD | | 60.070 | 2.863 | 9.159 | 8.595 | 4.508 | 81.980 | 3 | 59.520 | 56.680 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:27:40 | 0.344 | -0.583 | 0.122 | 0.149 | 0.245 | 0.395 | 37.590 | 37.060 | 75% |
| 2 | 23:28:48 | 1.047 | -1.730 | 0.089 | 0.009 | 0.144 | 0.281 | 35.550 | 36.980 | 75% |
| 3 | 23:29:56 | 1.418 | -2.416 | 0.052 | -0.066 | 0.100 | 0.234 | 33.950 | 33.690 | 78% |
| x | | 0.937 | -1.576 | 0.088 | 0.030 | 0.163 | 0.303 | 35.700 | 35.910 | 76% |
| σ | | 0.546 | 0.926 | 0.035 | 0.109 | 0.075 | 0.083 | 1.822 | 1.923 | 2% |
| %RSD | | 58.260 | 58.770 | 39.930 | 358.900 | 45.740 | 27.220 | 5.104 | 5.355 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:27:40 | 75% | 0.290 | 0.304 | 0.853 | 0.798 | 0.807 | 74% | 8.061 |
| 2 | 23:28:48 | 76% | 0.123 | 0.118 | 0.662 | 0.614 | 0.654 | 75% | 7.971 |
| 3 | 23:29:56 | 79% | 0.090 | 0.071 | 0.617 | 0.561 | 0.591 | 77% | 7.506 |
| x | | 77% | 0.168 | 0.164 | 0.711 | 0.658 | 0.684 | 75% | 7.846 |
| σ | | 2% | 0.107 | 0.123 | 0.125 | 0.124 | 0.111 | 2% | 0.298 |
| %RSD | | 3 | 63.930 | 75.030 | 17.600 | 18.880 | 16.180 | 2 | 3.799 |

**C1881-12 MF3T96** 05/01/2011 11:34:29 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:35:37 | 77% | -0.006 | 1274.000 | 0.000 | 275900.000 | 53930.000 | 53310.000 | 52480.000 | 3.253 |
| 2 | 23:36:45 | 75% | -0.117 | 1305.000 | 0.000 | 278800.000 | 53790.000 | 53370.000 | 52690.000 | 3.020 |
| 3 | 23:37:53 | 80% | -0.109 | 1281.000 | 0.000 | 268300.000 | 52340.000 | 51420.000 | 51110.000 | 2.133 |
| x | | 77% | -0.077 | 1287.000 | 0.000 | 274300.000 | 53350.000 | 52700.000 | 52090.000 | 2.802 |
| σ | | 2% | 0.062 | 16.350 | 0.000 | 5454.000 | 882.900 | 1109.000 | 859.600 | 0.591 |
| %RSD | | 3 | 79.990 | 1.270 | 0.000 | 1.988 | 1.655 | 2.105 | 1.650 | 21.090 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:35:37 | 22970.000 | 5.320 | 0.000 | 0.000 | 6866.000 | 179300.000 | 198900.000 | 75% | 0.976 |
| 2 | 23:36:45 | 23350.000 | -1.274 | 0.000 | 0.000 | 6859.000 | 177500.000 | 199100.000 | 76% | 0.973 |
| 3 | 23:37:53 | 22900.000 | -3.896 | 0.000 | 0.000 | 6724.000 | 174700.000 | 192800.000 | 78% | 1.331 |
| x | | 23070.000 | 0.050 | 0.000 | 0.000 | 6816.000 | 177200.000 | 196900.000 | 76% | 1.093 |
| σ | | 240.400 | 4.749 | 0.000 | 0.000 | 80.210 | 2313.000 | 3551.000 | 2% | 0.206 |
| %RSD | | 1.042 | 9515.000 | 0.000 | 0.000 | 1.177 | 1.305 | 1.803 | 2 | 18.840 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:35:37 | 53.760 | 7.796 | 174.300 | 5.854 | 0.412 | 9.139 | 602.000 | 0.087 | 2.162 |
| 2 | 23:36:45 | 54.230 | 7.800 | 180.300 | 3.463 | 0.333 | 7.389 | 604.000 | 0.023 | 2.132 |
| 3 | 23:37:53 | 52.410 | 7.429 | 179.100 | 3.417 | 0.324 | 5.075 | 552.600 | -0.002 | 1.902 |
| x | | 53.470 | 7.675 | 177.900 | 4.245 | 0.356 | 7.201 | 586.200 | 0.036 | 2.065 |
| σ | | 0.943 | 0.213 | 3.187 | 1.394 | 0.048 | 2.038 | 29.100 | 0.046 | 0.142 |
| %RSD | | 1.763 | 2.774 | 1.791 | 32.840 | 13.610 | 28.310 | 4.964 | 127.400 | 6.877 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:35:37 | 6.853 | 7.062 | 10.830 | 10.410 | 20.960 | 1.036 | 18.140 | 21.040 | 3.233 |
| 2 | 23:36:45 | 6.506 | 6.739 | 11.190 | 10.500 | 21.450 | 1.001 | 17.690 | 21.500 | 3.472 |
| 3 | 23:37:53 | 6.525 | 6.391 | 10.690 | 9.941 | 21.380 | 1.030 | 16.110 | 21.460 | 3.755 |
| x | | 6.628 | 6.731 | 10.900 | 10.280 | 21.260 | 1.022 | 17.310 | 21.330 | 3.487 |
| σ | | 0.195 | 0.335 | 0.258 | 0.298 | 0.263 | 0.018 | 1.065 | 0.256 | 0.261 |
| %RSD | | 2.946 | 4.983 | 2.368 | 2.902 | 1.238 | 1.805 | 6.152 | 1.200 | 7.498 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:35:37 | 1.534 | 2.448 | 2.197 | 2.201 | 2.223 | 0.003 | 71% | -0.760 | 0.077 |
| 2 | 23:36:45 | 6.068 | 2.350 | 2.138 | 2.375 | 2.204 | 0.026 | 72% | 1.207 | 0.051 |
| 3 | 23:37:53 | 1.258 | 2.143 | 2.089 | 2.201 | 1.931 | -0.001 | 74% | 0.532 | 0.019 |
| x | | 2.953 | 2.314 | 2.141 | 2.259 | 2.119 | 0.009 | 72% | 0.326 | 0.049 |
| σ | | 2.701 | 0.156 | 0.054 | 0.100 | 0.163 | 0.014 | 1% | 0.999 | 0.029 |
| %RSD | | 91.460 | 6.736 | 2.520 | 4.435 | 7.709 | 153.400 | 2 | 306.600 | 59.700 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:35:37 | 0.515 | -0.779 | 0.076 | -0.068 | 0.116 | 0.154 | 42.950 | 43.170 | 80% |
| 2 | 23:36:45 | -0.702 | 1.187 | 0.047 | 0.090 | 0.103 | 0.100 | 43.560 | 43.180 | 80% |
| 3 | 23:37:53 | -0.266 | 0.512 | 0.004 | 0.008 | 0.046 | 0.073 | 40.260 | 41.180 | 83% |
| x | | -0.151 | 0.307 | 0.042 | 0.010 | 0.088 | 0.109 | 42.260 | 42.510 | 81% |
| σ | | 0.616 | 0.999 | 0.036 | 0.079 | 0.037 | 0.042 | 1.753 | 1.155 | 1% |
| %RSD | | 408.300 | 325.700 | 85.090 | 807.800 | 42.300 | 38.190 | 4.148 | 2.718 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:35:37 | 81% | 0.076 | 0.074 | 0.404 | 0.457 | 0.423 | 78% | 7.930 |
| 2 | 23:36:45 | 82% | 0.014 | 0.027 | 0.351 | 0.298 | 0.337 | 79% | 7.775 |
| 3 | 23:37:53 | 83% | -0.021 | -0.014 | 0.365 | 0.327 | 0.327 | 81% | 7.528 |
| x | | 82% | 0.023 | 0.029 | 0.373 | 0.361 | 0.363 | 80% | 7.744 |
| σ | | 1% | 0.049 | 0.044 | 0.027 | 0.084 | 0.053 | 1% | 0.203 |
| %RSD | | 1 | 214.700 | 154.000 | 7.236 | 23.400 | 14.500 | 2 | 2.623 |

**C1881-13 MF3TB3** 05/01/2011 11:42:27 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:43:35 | 83% | -0.121 | 985.300 | 0.000 | 208900.000 | 50470.000 | 50270.000 | 50400.000 | 1.784 |
| 2 | 23:44:43 | 84% | -0.040 | 948.600 | 0.000 | 201500.000 | 48880.000 | 48580.000 | 48650.000 | 1.334 |
| 3 | 23:45:51 | 83% | -0.121 | 1007.000 | 0.000 | 209000.000 | 50890.000 | 50240.000 | 49780.000 | 1.240 |
| x | | 83% | -0.094 | 980.300 | 0.000 | 206500.000 | 50080.000 | 49690.000 | 49610.000 | 1.453 |
| σ | | 1% | 0.047 | 29.490 | 0.000 | 4326.000 | 1061.000 | 966.000 | 890.000 | 0.291 |
| %RSD | | 1 | 49.590 | 3.008 | 0.000 | 2.095 | 2.119 | 1.944 | 1.794 | 20.010 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:43:35 | 27600.000 | -2.768 | 0.000 | 0.000 | 3215.000 | 132200.000 | 147200.000 | 78% | 1.344 |
| 2 | 23:44:43 | 26290.000 | -5.509 | 0.000 | 0.000 | 3090.000 | 126100.000 | 141000.000 | 79% | 1.246 |
| 3 | 23:45:51 | 27720.000 | -3.542 | 0.000 | 0.000 | 3284.000 | 129500.000 | 143700.000 | 78% | 0.768 |
| x | | 27200.000 | -3.940 | 0.000 | 0.000 | 3197.000 | 129300.000 | 144000.000 | 78% | 1.119 |
| σ | | 795.600 | 1.413 | 0.000 | 0.000 | 98.710 | 3058.000 | 3147.000 | 1% | 0.308 |
| %RSD | | 2.925 | 35.870 | 0.000 | 0.000 | 3.088 | 2.366 | 2.186 | 1 | 27.520 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:43:35 | 83.420 | 1.290 | 186.600 | 5.229 | 0.301 | 7.688 | 458.200 | 0.075 | 2.010 |
| 2 | 23:44:43 | 77.480 | 1.200 | 195.500 | 0.295 | 0.221 | 6.107 | 428.900 | 0.127 | 2.056 |
| 3 | 23:45:51 | 77.550 | 1.219 | 207.600 | 2.519 | 0.151 | 5.835 | 444.800 | 0.074 | 2.390 |
| x | | 79.480 | 1.237 | 196.600 | 2.681 | 0.224 | 6.543 | 444.000 | 0.092 | 2.152 |
| σ | | 3.412 | 0.048 | 10.500 | 2.471 | 0.075 | 1.000 | 14.700 | 0.030 | 0.207 |
| %RSD | | 4.293 | 3.842 | 5.344 | 92.170 | 33.520 | 15.290 | 3.311 | 32.830 | 9.632 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:43:35 | 19.020 | 19.030 | 38.600 | 13.120 | 14.570 | 1.152 | 11.170 | 14.650 | 5.542 |
| 2 | 23:44:43 | 18.430 | 19.110 | 38.820 | 13.110 | 14.130 | 1.078 | 9.904 | 14.190 | 3.033 |
| 3 | 23:45:51 | 18.660 | 18.490 | 39.090 | 13.660 | 13.900 | 1.131 | 10.020 | 13.960 | 1.364 |
| x | | 18.700 | 18.880 | 38.840 | 13.300 | 14.200 | 1.120 | 10.360 | 14.270 | 3.313 |
| σ | | 0.298 | 0.335 | 0.245 | 0.315 | 0.339 | 0.038 | 0.699 | 0.349 | 2.103 |
| %RSD | | 1.595 | 1.775 | 0.632 | 2.368 | 2.384 | 3.381 | 6.746 | 2.445 | 63.480 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:43:35 | 8.581 | 3.970 | 3.390 | 3.596 | 3.971 | 0.003 | 72% | -1.252 | 0.087 |
| 2 | 23:44:43 | 7.637 | 3.633 | 3.469 | 3.646 | 3.627 | 0.008 | 74% | -0.821 | 0.039 |
| 3 | 23:45:51 | 7.295 | 3.813 | 3.395 | 3.422 | 3.431 | 0.012 | 73% | 0.619 | 0.009 |
| x | | 7.838 | 3.805 | 3.418 | 3.555 | 3.677 | 0.008 | 73% | -0.485 | 0.045 |
| σ | | 0.666 | 0.169 | 0.044 | 0.118 | 0.273 | 0.004 | 1% | 0.980 | 0.039 |
| %RSD | | 8.500 | 4.434 | 1.296 | 3.309 | 7.430 | 56.860 | 1 | 202.200 | 86.340 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:43:35 | 0.849 | -1.269 | 0.077 | -0.082 | 0.147 | 0.100 | 29.990 | 29.440 | 80% |
| 2 | 23:44:43 | 0.478 | -0.838 | 0.025 | -0.098 | 0.047 | 0.041 | 27.220 | 27.560 | 82% |
| 3 | 23:45:51 | -0.249 | 0.602 | 0.021 | -0.001 | 0.103 | 0.057 | 28.310 | 28.290 | 80% |
| x | | 0.360 | -0.502 | 0.041 | -0.060 | 0.099 | 0.066 | 28.510 | 28.430 | 81% |
| σ | | 0.558 | 0.980 | 0.031 | 0.052 | 0.050 | 0.031 | 1.394 | 0.950 | 1% |
| %RSD | | 155.300 | 195.300 | 75.560 | 86.080 | 50.820 | 46.470 | 4.890 | 3.340 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:43:35 | 80% | 0.010 | 0.008 | 1.116 | 1.061 | 1.095 | 78% | 8.974 |
| 2 | 23:44:43 | 83% | -0.031 | -0.021 | 1.036 | 1.036 | 1.053 | 80% | 8.638 |
| 3 | 23:45:51 | 82% | -0.047 | -0.027 | 1.080 | 1.016 | 1.056 | 79% | 8.625 |
| x | | 82% | -0.023 | -0.013 | 1.077 | 1.038 | 1.068 | 79% | 8.746 |
| σ | | 1% | 0.029 | 0.019 | 0.040 | 0.023 | 0.024 | 1% | 0.198 |
| %RSD | | 1 | 129.600 | 143.400 | 3.703 | 2.182 | 2.210 | 1 | 2.261 |

**C1881-14 MF3TB4** 05/01/2011 11:50:26 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:51:34 | 74% | -0.081 | 1060.000 | 0.000 | 239000.000 | 41190.000 | 40260.000 | 39290.000 | 0.593 |
| 2 | 23:52:42 | 77% | -0.140 | 1044.000 | 0.000 | 236800.000 | 39850.000 | 39110.000 | 39410.000 | 0.442 |
| 3 | 23:53:50 | 78% | -0.107 | 1072.000 | 0.000 | 233500.000 | 39750.000 | 39710.000 | 39320.000 | 0.599 |
| x | | 76% | -0.110 | 1059.000 | 0.000 | 236400.000 | 40260.000 | 39690.000 | 39340.000 | 0.545 |
| σ | | 2% | 0.029 | 13.820 | 0.000 | 2774.000 | 802.000 | 574.300 | 59.600 | 0.089 |
| %RSD | | 3 | 26.880 | 1.305 | 0.000 | 1.173 | 1.992 | 1.447 | 0.152 | 16.400 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:51:34 | 20440.000 | 0.640 | 0.000 | 0.000 | 7821.000 | 168700.000 | 187700.000 | 74% | 0.562 |
| 2 | 23:52:42 | 20310.000 | -2.819 | 0.000 | 0.000 | 7730.000 | 168500.000 | 187300.000 | 75% | 0.575 |
| 3 | 23:53:50 | 20360.000 | -3.312 | 0.000 | 0.000 | 7730.000 | 165400.000 | 183900.000 | 77% | 0.904 |
| x | | 20370.000 | -1.830 | 0.000 | 0.000 | 7760.000 | 167500.000 | 186300.000 | 75% | 0.680 |
| σ | | 61.260 | 2.153 | 0.000 | 0.000 | 52.520 | 1834.000 | 2118.000 | 1% | 0.194 |
| %RSD | | 0.301 | 117.600 | 0.000 | 0.000 | 0.677 | 1.095 | 1.137 | 2 | 28.500 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:51:34 | 47.920 | 1.253 | 198.900 | 3.291 | 0.044 | 7.776 | 553.600 | 0.007 | 1.706 |
| 2 | 23:52:42 | 47.390 | 1.221 | 201.600 | 3.531 | 0.050 | 7.432 | 597.600 | -0.079 | 1.292 |
| 3 | 23:53:50 | 45.840 | 1.383 | 203.900 | 3.289 | 0.035 | 7.321 | 609.600 | -0.090 | 1.598 |
| x | | 47.050 | 1.286 | 201.500 | 3.370 | 0.043 | 7.510 | 586.900 | -0.054 | 1.532 |
| σ | | 1.084 | 0.086 | 2.508 | 0.139 | 0.008 | 0.237 | 29.470 | 0.053 | 0.215 |
| %RSD | | 2.305 | 6.654 | 1.245 | 4.127 | 18.390 | 3.157 | 5.021 | 98.590 | 14.030 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:51:34 | 1.510 | 1.444 | 3.980 | 9.071 | 16.660 | 1.150 | 13.330 | 16.720 | 1.206 |
| 2 | 23:52:42 | 1.567 | 1.575 | 4.052 | 9.297 | 15.060 | 1.101 | 12.230 | 15.110 | 3.304 |
| 3 | 23:53:50 | 1.458 | 1.706 | 3.692 | 10.400 | 15.790 | 0.965 | 12.900 | 15.840 | 7.470 |
| x | | 1.512 | 1.575 | 3.908 | 9.590 | 15.840 | 1.072 | 12.820 | 15.890 | 3.993 |
| σ | | 0.054 | 0.131 | 0.190 | 0.711 | 0.801 | 0.096 | 0.551 | 0.804 | 3.188 |
| %RSD | | 3.602 | 8.321 | 4.866 | 7.419 | 5.062 | 8.943 | 4.299 | 5.058 | 79.840 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:51:34 | 0.828 | 1.724 | 1.685 | 1.572 | 1.614 | 0.013 | 70% | -0.226 | 0.022 |
| 2 | 23:52:42 | 0.876 | 1.454 | 1.474 | 1.925 | 1.723 | 0.013 | 71% | 0.065 | -0.011 |
| 3 | 23:53:50 | 0.911 | 1.608 | 1.383 | 1.796 | 1.589 | 0.017 | 72% | -0.468 | -0.005 |
| x | | 0.872 | 1.595 | 1.514 | 1.765 | 1.642 | 0.014 | 71% | -0.210 | 0.002 |
| σ | | 0.041 | 0.135 | 0.155 | 0.179 | 0.071 | 0.002 | 1% | 0.267 | 0.017 |
| %RSD | | 4.735 | 8.488 | 10.220 | 10.140 | 4.335 | 16.890 | 2 | 127.300 | 822.500 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:51:34 | 0.291 | -0.243 | 0.028 | -0.076 | 0.047 | 0.026 | 45.310 | 45.040 | 77% |
| 2 | 23:52:42 | -0.007 | 0.047 | 0.018 | -0.051 | 0.044 | 0.003 | 44.710 | 43.840 | 79% |
| 3 | 23:53:50 | 0.416 | -0.483 | -0.006 | -0.123 | 0.041 | -0.017 | 45.070 | 45.250 | 79% |
| x | | 0.233 | -0.226 | 0.014 | -0.083 | 0.044 | 0.004 | 45.030 | 44.710 | 78% |
| σ | | 0.217 | 0.266 | 0.017 | 0.036 | 0.003 | 0.021 | 0.303 | 0.762 | 1% |
| %RSD | | 93.100 | 117.300 | 126.900 | 43.620 | 6.410 | 559.800 | 0.674 | 1.705 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:51:34 | 78% | -0.041 | -0.036 | 0.153 | 0.169 | 0.153 | 76% | 7.067 |
| 2 | 23:52:42 | 80% | -0.050 | -0.044 | 0.167 | 0.156 | 0.138 | 78% | 6.911 |
| 3 | 23:53:50 | 80% | -0.053 | -0.044 | 0.156 | 0.169 | 0.144 | 78% | 6.957 |
| x | | 79% | -0.048 | -0.041 | 0.159 | 0.165 | 0.145 | 77% | 6.979 |
| σ | | 1% | 0.007 | 0.004 | 0.007 | 0.007 | 0.007 | 1% | 0.080 |
| %RSD | | 1 | 13.560 | 10.890 | 4.646 | 4.377 | 5.028 | 1 | 1.148 |

**C1881-15 MF3TB5** 05/01/2011 11:58:24 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:59:32 | 80% | -0.087 | 1176.000 | 0.000 | 225900.000 | 46150.000 | 45370.000 | 44880.000 | 0.971 |
| 2 | 00:00:41 | 80% | -0.130 | 1159.000 | 0.000 | 223200.000 | 45330.000 | 45030.000 | 44770.000 | 0.866 |
| 3 | 00:01:49 | 79% | -0.075 | 1139.000 | 0.000 | 222200.000 | 45150.000 | 44770.000 | 44580.000 | 0.568 |
| x | | 80% | -0.098 | 1158.000 | 0.000 | 223800.000 | 45540.000 | 45050.000 | 44740.000 | 0.802 |
| σ | | 1% | 0.029 | 18.850 | 0.000 | 1880.000 | 532.000 | 303.500 | 155.700 | 0.209 |
| %RSD | | 1 | 29.710 | 1.628 | 0.000 | 0.840 | 1.168 | 0.674 | 0.348 | 26.070 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:59:32 | 29440.000 | 4.819 | 0.000 | 0.000 | 5371.000 | 116500.000 | 131100.000 | 79% | 1.944 |
| 2 | 00:00:41 | 28220.000 | 3.490 | 0.000 | 0.000 | 5418.000 | 117100.000 | 130800.000 | 78% | 1.560 |
| 3 | 00:01:49 | 28510.000 | 6.877 | 0.000 | 0.000 | 5351.000 | 115400.000 | 129700.000 | 76% | 1.832 |
| x | | 28720.000 | 5.062 | 0.000 | 0.000 | 5380.000 | 116300.000 | 130500.000 | 78% | 1.779 |
| σ | | 637.200 | 1.706 | 0.000 | 0.000 | 34.500 | 870.900 | 726.000 | 2% | 0.197 |
| %RSD | | 2.219 | 33.710 | 0.000 | 0.000 | 0.641 | 0.749 | 0.556 | 2 | 11.090 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:59:32 | 101.700 | 5.028 | 193.100 | 94.950 | 0.828 | 97.970 | 571.200 | 0.003 | 1.509 |
| 2 | 00:00:41 | 102.300 | 5.036 | 204.700 | 95.010 | 0.794 | 98.300 | 548.300 | -0.008 | 1.419 |
| 3 | 00:01:49 | 100.700 | 4.912 | 215.600 | 97.930 | 0.919 | 98.790 | 508.000 | 0.000 | 1.235 |
| x | | 101.600 | 4.992 | 204.500 | 95.960 | 0.847 | 98.350 | 542.500 | -0.002 | 1.388 |
| σ | | 0.813 | 0.069 | 11.210 | 1.702 | 0.064 | 0.413 | 32.010 | 0.006 | 0.140 |
| %RSD | | 0.801 | 1.387 | 5.482 | 1.774 | 7.599 | 0.419 | 5.901 | 334.600 | 10.060 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:59:32 | 13.030 | 12.550 | 7.653 | 16.530 | 14.320 | 0.942 | 9.515 | 14.410 | -0.468 |
| 2 | 00:00:41 | 12.930 | 13.140 | 7.356 | 17.440 | 12.420 | 0.914 | 8.353 | 12.500 | -1.827 |
| 3 | 00:01:49 | 12.830 | 12.860 | 7.044 | 17.460 | 12.050 | 1.051 | 8.403 | 12.100 | 2.513 |
| x | | 12.930 | 12.850 | 7.351 | 17.140 | 12.930 | 0.969 | 8.757 | 13.010 | 0.073 |
| σ | | 0.098 | 0.297 | 0.304 | 0.532 | 1.216 | 0.073 | 0.657 | 1.237 | 2.220 |
| %RSD | | 0.760 | 2.313 | 4.141 | 3.102 | 9.403 | 7.483 | 7.501 | 9.515 | 3048.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:59:32 | 3.143 | 5.543 | 4.735 | 5.547 | 5.393 | -0.001 | 72% | 0.944 | 0.026 |
| 2 | 00:00:41 | 3.103 | 5.322 | 4.796 | 5.181 | 5.094 | -0.001 | 71% | -1.039 | -0.009 |
| 3 | 00:01:49 | 3.045 | 5.510 | 5.270 | 5.653 | 5.397 | 0.013 | 71% | -0.024 | -0.011 |
| x | | 3.097 | 5.458 | 4.934 | 5.460 | 5.295 | 0.003 | 71% | -0.040 | 0.002 |
| σ | | 0.049 | 0.119 | 0.293 | 0.247 | 0.174 | 0.008 | 1% | 0.992 | 0.021 |
| %RSD | | 1.587 | 2.186 | 5.938 | 4.530 | 3.287 | 227.600 | 1 | 2508.000 | 891.800 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:59:32 | -0.491 | 0.925 | 0.016 | -0.006 | 0.227 | 0.039 | 44.160 | 45.170 | 80% |
| 2 | 00:00:41 | 0.667 | -1.057 | -0.005 | -0.093 | 0.186 | 0.036 | 44.490 | 43.830 | 80% |
| 3 | 00:01:49 | 0.109 | -0.042 | -0.001 | -0.073 | 0.189 | 0.037 | 44.410 | 44.660 | 79% |
| x | | 0.095 | -0.058 | 0.003 | -0.058 | 0.201 | 0.037 | 44.350 | 44.550 | 79% |
| σ | | 0.579 | 0.991 | 0.011 | 0.045 | 0.023 | 0.002 | 0.174 | 0.676 | 1% |
| %RSD | | 609.500 | 1719.000 | 354.800 | 79.030 | 11.460 | 4.484 | 0.391 | 1.517 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 23:59:32 | 80% | -0.031 | -0.020 | 2.408 | 2.216 | 2.290 | 78% | 7.168 |
| 2 | 00:00:41 | 80% | -0.039 | -0.024 | 2.290 | 2.156 | 2.251 | 78% | 7.111 |
| 3 | 00:01:49 | 79% | -0.043 | -0.029 | 2.401 | 2.100 | 2.224 | 78% | 6.975 |
| x | | 80% | -0.037 | -0.024 | 2.367 | 2.157 | 2.255 | 78% | 7.085 |
| σ | | 0% | 0.006 | 0.004 | 0.066 | 0.058 | 0.033 | 0% | 0.100 |
| %RSD | | 0 | 16.420 | 17.970 | 2.795 | 2.687 | 1.463 | 0 | 1.406 |

**C1881-11X25 MF3T95** 05/02/2011 12:06:24 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:07:32 | 77% | -0.129 | 79.760 | 0.000 | 10380.000 | 2528.000 | 2385.000 | 2420.000 | -0.398 |
| 2 | 00:08:41 | 81% | -0.152 | 76.170 | 0.000 | 9936.000 | 2429.000 | 2287.000 | 2302.000 | -0.400 |
| 3 | 00:09:49 | 80% | -0.109 | 69.160 | 0.000 | 10230.000 | 2473.000 | 2356.000 | 2391.000 | -0.135 |
| x | | 79% | -0.130 | 75.030 | 0.000 | 10180.000 | 2477.000 | 2343.000 | 2371.000 | -0.311 |
| σ | | 2% | 0.022 | 5.392 | 0.000 | 227.200 | 49.780 | 50.310 | 61.790 | 0.152 |
| %RSD | | 3 | 16.630 | 7.187 | 0.000 | 2.231 | 2.010 | 2.147 | 2.606 | 49.000 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:07:32 | 1105.000 | 8.378 | 0.000 | 0.000 | 285.700 | 7288.000 | 7904.000 | 81% | -0.629 |
| 2 | 00:08:41 | 1089.000 | 5.384 | 0.000 | 0.000 | 267.500 | 7459.000 | 7768.000 | 82% | -0.363 |
| 3 | 00:09:49 | 1108.000 | 5.795 | 0.000 | 0.000 | 273.600 | 7387.000 | 7961.000 | 81% | -0.560 |
| x | | 1101.000 | 6.519 | 0.000 | 0.000 | 275.600 | 7378.000 | 7878.000 | 82% | -0.518 |
| σ | | 10.410 | 1.623 | 0.000 | 0.000 | 9.274 | 85.800 | 99.020 | 1% | 0.138 |
| %RSD | | 0.946 | 24.900 | 0.000 | 0.000 | 3.365 | 1.163 | 1.257 | 1 | 26.630 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:07:32 | 2.807 | 1.290 | 43.260 | 3.554 | -0.040 | 1.640 | 22.530 | -0.035 | 0.019 |
| 2 | 00:08:41 | 2.329 | 1.278 | 39.920 | 2.191 | -0.065 | 1.105 | 24.250 | -0.041 | 0.023 |
| 3 | 00:09:49 | 2.679 | 1.400 | 37.900 | 4.521 | -0.037 | 1.149 | 21.790 | -0.030 | -0.036 |
| x | | 2.605 | 1.323 | 40.360 | 3.422 | -0.047 | 1.298 | 22.860 | -0.035 | 0.002 |
| σ | | 0.247 | 0.067 | 2.703 | 1.170 | 0.015 | 0.297 | 1.260 | 0.006 | 0.033 |
| %RSD | | 9.483 | 5.051 | 6.698 | 34.200 | 32.030 | 22.890 | 5.511 | 16.470 | 1695.000 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:07:32 | 0.083 | 0.028 | 0.030 | 0.552 | 0.431 | 0.252 | 0.235 | 0.431 | 2.102 |
| 2 | 00:08:41 | -0.006 | 0.037 | 0.231 | 0.532 | 0.152 | 0.212 | -0.368 | 0.152 | 1.649 |
| 3 | 00:09:49 | 0.095 | 0.026 | 0.073 | 0.103 | 0.245 | 0.298 | 0.846 | 0.245 | 2.913 |
| x | | 0.058 | 0.030 | 0.111 | 0.396 | 0.276 | 0.254 | 0.238 | 0.276 | 2.221 |
| σ | | 0.055 | 0.006 | 0.106 | 0.254 | 0.142 | 0.043 | 0.607 | 0.142 | 0.640 |
| %RSD | | 95.650 | 18.870 | 95.150 | 64.220 | 51.390 | 16.950 | 255.600 | 51.530 | 28.830 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:07:32 | 0.051 | 0.084 | 0.081 | 0.135 | 0.085 | 0.003 | 80% | -0.029 | -0.024 |
| 2 | 00:08:41 | 0.075 | 0.111 | 0.104 | 0.082 | 0.086 | 0.007 | 84% | -0.537 | -0.028 |
| 3 | 00:09:49 | 0.001 | 0.149 | 0.088 | 0.103 | 0.106 | 0.007 | 82% | -0.133 | -0.024 |
| x | | 0.043 | 0.114 | 0.091 | 0.107 | 0.092 | 0.005 | 82% | -0.233 | -0.025 |
| σ | | 0.038 | 0.033 | 0.012 | 0.026 | 0.012 | 0.002 | 2% | 0.269 | 0.002 |
| %RSD | | 88.600 | 28.460 | 13.150 | 24.650 | 12.750 | 40.020 | 2 | 115.200 | 8.598 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:07:32 | 0.031 | -0.035 | -0.025 | -0.080 | -0.082 | -0.056 | 1.125 | 1.054 | 83% |
| 2 | 00:08:41 | 0.251 | -0.543 | -0.021 | -0.097 | -0.075 | -0.052 | 0.816 | 1.069 | 86% |
| 3 | 00:09:49 | 0.028 | -0.138 | -0.025 | -0.065 | -0.067 | -0.055 | 1.039 | 1.177 | 84% |
| x | | 0.103 | -0.239 | -0.024 | -0.080 | -0.074 | -0.054 | 0.993 | 1.100 | 84% |
| σ | | 0.128 | 0.268 | 0.002 | 0.016 | 0.008 | 0.002 | 0.159 | 0.067 | 1% |
| %RSD | | 123.600 | 112.300 | 8.862 | 20.030 | 10.150 | 4.521 | 16.050 | 6.107 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:07:32 | 83% | -0.056 | -0.050 | -0.064 | -0.054 | -0.051 | 84% | 0.248 |
| 2 | 00:08:41 | 86% | -0.058 | -0.049 | -0.060 | -0.058 | -0.062 | 86% | 0.229 |
| 3 | 00:09:49 | 85% | -0.055 | -0.051 | -0.062 | -0.054 | -0.059 | 86% | 0.234 |
| x | | 85% | -0.056 | -0.050 | -0.062 | -0.055 | -0.057 | 85% | 0.237 |
| σ | | 1% | 0.002 | 0.001 | 0.002 | 0.002 | 0.006 | 1% | 0.010 |
| %RSD | | 1 | 3.253 | 1.998 | 3.628 | 3.812 | 10.070 | 2 | 4.116 |

**C1881-12X25 MF3T96** 05/02/2011 12:14:25 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:15:33 | 82% | -0.111 | 64.780 | 0.000 | 11740.000 | 2279.000 | 2177.000 | 2190.000 | -0.303 |
| 2 | 00:16:41 | 82% | -0.111 | 69.920 | 0.000 | 11910.000 | 2327.000 | 2218.000 | 2204.000 | -0.302 |
| 3 | 00:17:49 | 82% | -0.111 | 75.550 | 0.000 | 11890.000 | 2328.000 | 2237.000 | 2255.000 | -0.271 |
| x | | 82% | -0.111 | 70.080 | 0.000 | 11850.000 | 2311.000 | 2211.000 | 2216.000 | -0.292 |
| σ | | 0% | 0.000 | 5.386 | 0.000 | 87.880 | 28.110 | 30.810 | 34.040 | 0.018 |
| %RSD | | 0 | 0.081 | 7.685 | 0.000 | 0.742 | 1.216 | 1.393 | 1.536 | 6.203 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:15:33 | 936.400 | 5.587 | 0.000 | 0.000 | 265.300 | 7077.000 | 7661.000 | 84% | -0.815 |
| 2 | 00:16:41 | 958.700 | 4.802 | 0.000 | 0.000 | 272.800 | 7437.000 | 7802.000 | 84% | -1.014 |
| 3 | 00:17:49 | 969.600 | 3.784 | 0.000 | 0.000 | 265.500 | 7435.000 | 7755.000 | 85% | -0.719 |
| x | | 954.900 | 4.724 | 0.000 | 0.000 | 267.900 | 7317.000 | 7739.000 | 85% | -0.849 |
| σ | | 16.950 | 0.904 | 0.000 | 0.000 | 4.264 | 207.200 | 72.140 | 1% | 0.150 |
| %RSD | | 1.775 | 19.140 | 0.000 | 0.000 | 1.592 | 2.832 | 0.932 | 1 | 17.690 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:15:33 | 1.794 | 0.370 | 27.750 | 0.581 | -0.046 | -0.364 | 23.460 | -0.051 | -0.018 |
| 2 | 00:16:41 | 1.878 | 0.319 | 26.600 | 2.349 | -0.077 | -0.714 | 19.820 | -0.046 | 0.011 |
| 3 | 00:17:49 | 1.425 | 0.324 | 26.190 | 0.349 | -0.083 | -1.113 | 21.520 | -0.037 | 0.024 |
| x | | 1.699 | 0.338 | 26.850 | 1.093 | -0.069 | -0.730 | 21.600 | -0.045 | 0.006 |
| σ | | 0.241 | 0.028 | 0.812 | 1.094 | 0.020 | 0.375 | 1.821 | 0.007 | 0.021 |
| %RSD | | 14.160 | 8.203 | 3.026 | 100.100 | 28.580 | 51.290 | 8.431 | 16.360 | 381.100 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:15:33 | 0.102 | 0.124 | 0.222 | 0.515 | 1.364 | 0.151 | 0.087 | 1.362 | -0.209 |
| 2 | 00:16:41 | 0.050 | 0.214 | 0.212 | -0.079 | 0.414 | 0.254 | -0.102 | 0.413 | 0.908 |
| 3 | 00:17:49 | 0.116 | 0.108 | 0.161 | 0.300 | 0.407 | 0.195 | 0.601 | 0.407 | 2.336 |
| x | | 0.090 | 0.149 | 0.198 | 0.246 | 0.728 | 0.200 | 0.195 | 0.727 | 1.011 |
| σ | | 0.035 | 0.057 | 0.033 | 0.301 | 0.550 | 0.052 | 0.364 | 0.549 | 1.276 |
| %RSD | | 38.860 | 38.470 | 16.510 | 122.600 | 75.600 | 25.850 | 186.300 | 75.560 | 126.100 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:15:33 | 0.044 | 0.033 | 0.045 | 0.097 | 0.028 | 0.010 | 85% | -0.219 | -0.024 |
| 2 | 00:16:41 | 0.005 | 0.056 | 0.061 | 0.021 | 0.026 | 0.011 | 84% | 0.750 | -0.019 |
| 3 | 00:17:49 | -0.065 | 0.022 | 0.040 | 0.028 | 0.064 | 0.003 | 85% | 0.530 | -0.026 |
| x | | -0.005 | 0.037 | 0.049 | 0.049 | 0.040 | 0.008 | 84% | 0.354 | -0.023 |
| σ | | 0.055 | 0.017 | 0.011 | 0.042 | 0.021 | 0.004 | 1% | 0.508 | 0.004 |
| %RSD | | 1015.000 | 47.550 | 22.260 | 86.280 | 53.990 | 56.570 | 1 | 143.500 | 16.320 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:15:33 | 0.075 | -0.224 | -0.018 | -0.084 | -0.083 | -0.063 | 1.404 | 1.535 | 87% |
| 2 | 00:16:41 | -0.457 | 0.743 | -0.019 | -0.011 | -0.064 | -0.054 | 1.142 | 1.532 | 87% |
| 3 | 00:17:49 | -0.338 | 0.526 | -0.016 | -0.031 | -0.092 | -0.065 | 1.186 | 1.330 | 87% |
| x | | -0.240 | 0.348 | -0.018 | -0.042 | -0.079 | -0.060 | 1.244 | 1.466 | 87% |
| σ | | 0.279 | 0.507 | 0.002 | 0.038 | 0.014 | 0.006 | 0.140 | 0.118 | 0% |
| %RSD | | 116.400 | 145.700 | 10.080 | 89.020 | 17.770 | 9.839 | 11.290 | 8.023 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:15:33 | 87% | -0.058 | -0.046 | -0.080 | -0.069 | -0.073 | 88% | 0.252 |
| 2 | 00:16:41 | 88% | -0.053 | -0.042 | -0.070 | -0.069 | -0.069 | 89% | 0.243 |
| 3 | 00:17:49 | 88% | -0.054 | -0.045 | -0.072 | -0.050 | -0.066 | 90% | 0.247 |
| x | | 88% | -0.055 | -0.044 | -0.074 | -0.063 | -0.069 | 89% | 0.248 |
| σ | | 0% | 0.002 | 0.002 | 0.006 | 0.011 | 0.004 | 1% | 0.005 |
| %RSD | | 1 | 4.083 | 4.433 | 7.532 | 17.490 | 5.060 | 1 | 1.855 |

**C1881-13X25 MF3TB3** 05/02/2011 12:22:25 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:23:33 | 86% | -0.092 | 47.210 | 0.000 | 8898.000 | 2151.000 | 2036.000 | 2065.000 | -0.015 |
| 2 | 00:24:41 | 85% | -0.142 | 49.660 | 0.000 | 8894.000 | 2161.000 | 2030.000 | 2047.000 | -0.144 |
| 3 | 00:25:49 | 85% | -0.132 | 47.650 | 0.000 | 9029.000 | 2193.000 | 2065.000 | 2111.000 | -0.307 |
| x | | 85% | -0.122 | 48.170 | 0.000 | 8940.000 | 2168.000 | 2044.000 | 2074.000 | -0.155 |
| σ | | 1% | 0.026 | 1.306 | 0.000 | 76.770 | 22.270 | 18.850 | 33.160 | 0.146 |
| %RSD | | 1 | 21.540 | 2.712 | 0.000 | 0.859 | 1.027 | 0.922 | 1.599 | 94.200 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:23:33 | 1118.000 | 3.056 | 0.000 | 0.000 | 112.600 | 5048.000 | 5459.000 | 85% | -0.687 |
| 2 | 00:24:41 | 1108.000 | 5.276 | 0.000 | 0.000 | 113.400 | 5252.000 | 5432.000 | 85% | -0.752 |
| 3 | 00:25:49 | 1158.000 | 5.439 | 0.000 | 0.000 | 118.300 | 5309.000 | 5630.000 | 84% | -0.781 |
| x | | 1128.000 | 4.590 | 0.000 | 0.000 | 114.800 | 5203.000 | 5507.000 | 85% | -0.740 |
| σ | | 26.560 | 1.331 | 0.000 | 0.000 | 3.051 | 137.300 | 107.300 | 1% | 0.048 |
| %RSD | | 2.354 | 29.000 | 0.000 | 0.000 | 2.658 | 2.639 | 1.948 | 1 | 6.537 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:23:33 | 2.734 | 0.009 | 20.830 | 1.440 | -0.092 | -0.740 | 13.470 | -0.044 | 0.015 |
| 2 | 00:24:41 | 3.137 | 0.050 | 20.490 | 2.976 | -0.071 | -0.752 | 13.930 | -0.035 | -0.011 |
| 3 | 00:25:49 | 3.158 | 0.048 | 20.220 | 0.984 | -0.069 | -0.293 | 16.930 | -0.036 | -0.078 |
| x | | 3.010 | 0.036 | 20.510 | 1.800 | -0.077 | -0.595 | 14.780 | -0.038 | -0.025 |
| σ | | 0.239 | 0.023 | 0.306 | 1.044 | 0.012 | 0.262 | 1.875 | 0.005 | 0.048 |
| %RSD | | 7.940 | 63.810 | 1.494 | 57.970 | 16.080 | 43.970 | 12.690 | 12.860 | 194.300 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:23:33 | 0.600 | 0.632 | 1.159 | 0.390 | 1.486 | 0.145 | 0.171 | 1.485 | -3.175 |
| 2 | 00:24:41 | 0.542 | 0.723 | 1.121 | 0.183 | -0.370 | 0.192 | -0.285 | -0.369 | 3.916 |
| 3 | 00:25:49 | 0.520 | 0.668 | 1.130 | 0.064 | 0.366 | 0.213 | 0.267 | 0.366 | 2.426 |
| x | | 0.554 | 0.674 | 1.137 | 0.212 | 0.494 | 0.183 | 0.051 | 0.494 | 1.056 |
| σ | | 0.042 | 0.046 | 0.020 | 0.165 | 0.935 | 0.035 | 0.295 | 0.934 | 3.739 |
| %RSD | | 7.519 | 6.838 | 1.735 | 77.740 | 189.000 | 18.950 | 577.900 | 189.000 | 354.200 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:23:33 | 0.055 | 0.109 | 0.040 | 0.002 | 0.107 | 0.007 | 85% | -0.296 | -0.023 |
| 2 | 00:24:41 | 0.026 | 0.065 | 0.073 | 0.104 | 0.110 | 0.007 | 85% | 0.058 | -0.016 |
| 3 | 00:25:49 | 0.050 | 0.055 | 0.098 | 0.072 | 0.075 | -0.001 | 84% | 0.397 | -0.023 |
| x | | 0.044 | 0.076 | 0.070 | 0.059 | 0.097 | 0.004 | 85% | 0.053 | -0.020 |
| σ | | 0.016 | 0.029 | 0.029 | 0.052 | 0.019 | 0.004 | 0% | 0.347 | 0.004 |
| %RSD | | 35.510 | 37.730 | 41.210 | 87.750 | 20.010 | 110.100 | 0 | 654.600 | 20.120 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:23:33 | 0.118 | -0.302 | -0.014 | -0.082 | -0.083 | -0.067 | 0.717 | 0.911 | 87% |
| 2 | 00:24:41 | -0.077 | 0.053 | -0.018 | -0.060 | -0.078 | -0.056 | 0.766 | 1.006 | 87% |
| 3 | 00:25:49 | -0.151 | 0.394 | -0.021 | -0.052 | -0.085 | -0.059 | 0.949 | 1.115 | 86% |
| x | | -0.037 | 0.048 | -0.018 | -0.065 | -0.082 | -0.061 | 0.811 | 1.011 | 87% |
| σ | | 0.139 | 0.348 | 0.004 | 0.015 | 0.003 | 0.006 | 0.122 | 0.102 | 0% |
| %RSD | | 377.600 | 719.800 | 20.530 | 23.910 | 3.891 | 9.155 | 15.100 | 10.100 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:23:33 | 87% | -0.055 | -0.047 | -0.044 | -0.042 | -0.045 | 88% | 0.281 |
| 2 | 00:24:41 | 87% | -0.057 | -0.047 | -0.026 | -0.051 | -0.039 | 88% | 0.269 |
| 3 | 00:25:49 | 88% | -0.054 | -0.045 | -0.043 | -0.025 | -0.038 | 88% | 0.264 |
| x | | 87% | -0.055 | -0.047 | -0.038 | -0.039 | -0.041 | 88% | 0.271 |
| σ | | 0% | 0.001 | 0.001 | 0.010 | 0.014 | 0.004 | 0% | 0.009 |
| %RSD | | 0 | 2.453 | 2.527 | 26.100 | 34.700 | 8.597 | 0 | 3.330 |

**C1881-14X25 MF3TB4** 05/02/2011 12:30:25 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:31:34 | 85% | -0.112 | 49.070 | 0.000 | 9596.000 | 1624.000 | 1537.000 | 1543.000 | -0.150 |
| 2 | 00:32:42 | 83% | -0.162 | 55.940 | 0.000 | 9829.000 | 1692.000 | 1605.000 | 1604.000 | -0.144 |
| 3 | 00:33:50 | 84% | -0.112 | 50.850 | 0.000 | 9636.000 | 1651.000 | 1587.000 | 1553.000 | -0.163 |
| x | | 84% | -0.129 | 51.950 | 0.000 | 9687.000 | 1656.000 | 1577.000 | 1567.000 | -0.152 |
| σ | | 1% | 0.029 | 3.567 | 0.000 | 124.500 | 34.310 | 35.220 | 32.450 | 0.010 |
| %RSD | | 1 | 22.760 | 6.867 | 0.000 | 1.286 | 2.072 | 2.234 | 2.071 | 6.311 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:31:34 | 792.600 | 0.921 | 0.000 | 0.000 | 282.600 | 6615.000 | 6899.000 | 84% | -0.677 |
| 2 | 00:32:42 | 827.200 | 6.342 | 0.000 | 0.000 | 303.600 | 7004.000 | 7244.000 | 81% | -0.735 |
| 3 | 00:33:50 | 805.300 | 7.549 | 0.000 | 0.000 | 293.200 | 6723.000 | 7002.000 | 83% | -0.809 |
| x | | 808.400 | 4.937 | 0.000 | 0.000 | 293.100 | 6781.000 | 7048.000 | 83% | -0.741 |
| σ | | 17.530 | 3.531 | 0.000 | 0.000 | 10.470 | 200.500 | 177.000 | 1% | 0.066 |
| %RSD | | 2.169 | 71.510 | 0.000 | 0.000 | 3.570 | 2.957 | 2.511 | 1 | 8.934 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:31:34 | 1.002 | 0.088 | 19.160 | -0.412 | -0.067 | 0.843 | 26.650 | -0.052 | -0.015 |
| 2 | 00:32:42 | 1.372 | 0.071 | 19.060 | 4.626 | -0.079 | 2.121 | 26.070 | -0.025 | -0.108 |
| 3 | 00:33:50 | 1.652 | 0.051 | 17.970 | 2.465 | -0.069 | 1.470 | 24.940 | -0.040 | -0.049 |
| x | | 1.342 | 0.070 | 18.730 | 2.227 | -0.072 | 1.478 | 25.880 | -0.039 | -0.058 |
| σ | | 0.326 | 0.019 | 0.661 | 2.527 | 0.006 | 0.639 | 0.868 | 0.014 | 0.047 |
| %RSD | | 24.280 | 26.850 | 3.530 | 113.500 | 8.947 | 43.240 | 3.354 | 34.810 | 81.450 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:31:34 | -0.120 | -0.081 | -0.319 | -0.137 | -0.420 | 0.178 | 0.446 | -0.419 | 7.154 |
| 2 | 00:32:42 | -0.119 | 0.012 | -0.060 | 0.452 | 0.519 | 0.097 | -0.011 | 0.518 | 3.721 |
| 3 | 00:33:50 | -0.122 | -0.066 | -0.176 | 0.441 | -0.069 | 0.089 | -0.185 | -0.069 | 1.641 |
| x | | -0.120 | -0.045 | -0.185 | 0.252 | 0.010 | 0.121 | 0.083 | 0.010 | 4.172 |
| σ | | 0.002 | 0.050 | 0.130 | 0.337 | 0.474 | 0.049 | 0.326 | 0.474 | 2.784 |
| %RSD | | 1.441 | 110.700 | 70.150 | 133.700 | 4769.000 | 40.510 | 391.800 | 4692.000 | 66.720 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:31:34 | -0.030 | -0.005 | 0.017 | 0.012 | -0.007 | 0.007 | 84% | 0.373 | -0.013 |
| 2 | 00:32:42 | -0.010 | 0.020 | -0.015 | 0.061 | 0.005 | 0.003 | 81% | 0.413 | -0.022 |
| 3 | 00:33:50 | -0.000 | 0.018 | -0.011 | 0.056 | 0.010 | 0.007 | 83% | -0.215 | -0.024 |
| x | | -0.013 | 0.011 | -0.003 | 0.043 | 0.003 | 0.005 | 83% | 0.190 | -0.020 |
| σ | | 0.015 | 0.014 | 0.018 | 0.027 | 0.009 | 0.002 | 2% | 0.352 | 0.006 |
| %RSD | | 113.000 | 125.500 | 616.800 | 62.400 | 325.300 | 39.870 | 2 | 184.600 | 28.690 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:31:34 | -0.080 | 0.372 | -0.023 | -0.067 | -0.068 | -0.066 | 1.427 | 1.458 | 85% |
| 2 | 00:32:42 | -0.272 | 0.407 | -0.023 | -0.046 | -0.070 | -0.064 | 1.500 | 1.437 | 84% |
| 3 | 00:33:50 | 0.072 | -0.219 | -0.023 | -0.077 | -0.040 | -0.070 | 1.345 | 1.778 | 85% |
| x | | -0.093 | 0.187 | -0.023 | -0.063 | -0.059 | -0.067 | 1.424 | 1.558 | 84% |
| σ | | 0.173 | 0.352 | 0.000 | 0.016 | 0.017 | 0.003 | 0.078 | 0.191 | 1% |
| %RSD | | 184.800 | 188.300 | 0.309 | 24.970 | 28.080 | 4.436 | 5.445 | 12.240 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:31:34 | 85% | -0.049 | -0.042 | -0.082 | -0.074 | -0.075 | 86% | 0.212 |
| 2 | 00:32:42 | 84% | -0.051 | -0.047 | -0.074 | -0.076 | -0.078 | 84% | 0.222 |
| 3 | 00:33:50 | 85% | -0.052 | -0.046 | -0.084 | -0.071 | -0.078 | 86% | 0.208 |
| x | | 85% | -0.051 | -0.045 | -0.080 | -0.074 | -0.077 | 86% | 0.214 |
| σ | | 1% | 0.001 | 0.003 | 0.005 | 0.003 | 0.002 | 1% | 0.007 |
| %RSD | | 1 | 2.685 | 6.226 | 6.301 | 3.796 | 2.352 | 1 | 3.297 |

**C1881-15X25 MF3TB5** 05/02/2011 12:38:26 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:39:35 | 82% | -0.120 | 53.140 | 0.000 | 10220.000 | 2122.000 | 1990.000 | 2014.000 | -0.056 |
| 2 | 00:40:43 | 82% | -0.110 | 54.100 | 0.000 | 9816.000 | 2040.000 | 1916.000 | 1955.000 | 0.045 |
| 3 | 00:41:51 | 84% | -0.152 | 53.500 | 0.000 | 9836.000 | 2034.000 | 1947.000 | 1959.000 | 0.022 |
| x | | 82% | -0.128 | 53.580 | 0.000 | 9956.000 | 2065.000 | 1951.000 | 1976.000 | 0.004 |
| σ | | 1% | 0.022 | 0.484 | 0.000 | 225.900 | 49.540 | 37.420 | 33.070 | 0.053 |
| %RSD | | 1 | 17.110 | 0.903 | 0.000 | 2.269 | 2.399 | 1.918 | 1.673 | 1407.000 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:39:35 | 1239.000 | 9.953 | 0.000 | 0.000 | 229.800 | 5145.000 | 5479.000 | 80% | -0.308 |
| 2 | 00:40:43 | 1234.000 | 7.554 | 0.000 | 0.000 | 213.300 | 5012.000 | 5295.000 | 82% | -0.569 |
| 3 | 00:41:51 | 1245.000 | 7.192 | 0.000 | 0.000 | 215.100 | 4961.000 | 5313.000 | 82% | -0.569 |
| x | | 1239.000 | 8.233 | 0.000 | 0.000 | 219.400 | 5039.000 | 5362.000 | 82% | -0.482 |
| σ | | 5.448 | 1.501 | 0.000 | 0.000 | 9.064 | 94.970 | 101.700 | 1% | 0.150 |
| %RSD | | 0.440 | 18.230 | 0.000 | 0.000 | 4.131 | 1.885 | 1.896 | 2 | 31.190 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:39:35 | 4.445 | 0.304 | 17.450 | 4.532 | -0.029 | 2.925 | 23.000 | -0.039 | 0.013 |
| 2 | 00:40:43 | 4.557 | 0.236 | 16.350 | 2.162 | -0.080 | 1.836 | 19.160 | -0.039 | -0.074 |
| 3 | 00:41:51 | 3.660 | 0.313 | 17.250 | 0.318 | -0.049 | 1.681 | 21.740 | -0.037 | -0.092 |
| x | | 4.221 | 0.284 | 17.020 | 2.338 | -0.053 | 2.147 | 21.300 | -0.038 | -0.051 |
| σ | | 0.489 | 0.042 | 0.586 | 2.112 | 0.026 | 0.678 | 1.959 | 0.001 | 0.056 |
| %RSD | | 11.580 | 14.740 | 3.442 | 90.370 | 49.360 | 31.580 | 9.199 | 2.619 | 110.000 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:39:35 | 0.491 | 0.589 | -0.002 | 0.243 | -0.255 | 0.197 | -0.239 | -0.255 | 3.997 |
| 2 | 00:40:43 | 0.412 | 0.411 | -0.040 | 0.799 | -0.025 | 0.060 | 0.504 | -0.025 | 3.133 |
| 3 | 00:41:51 | 0.472 | 0.420 | -0.077 | 0.192 | -0.561 | 0.181 | -0.257 | -0.560 | 3.165 |
| x | | 0.458 | 0.473 | -0.039 | 0.411 | -0.280 | 0.146 | 0.003 | -0.280 | 3.431 |
| σ | | 0.041 | 0.100 | 0.038 | 0.337 | 0.269 | 0.074 | 0.434 | 0.269 | 0.490 |
| %RSD | | 9.029 | 21.210 | 95.450 | 81.920 | 95.920 | 51.050 | 17110.000 | 95.900 | 14.280 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:39:35 | 0.071 | 0.155 | 0.134 | 0.082 | 0.185 | 0.011 | 79% | -0.527 | -0.022 |
| 2 | 00:40:43 | 0.048 | 0.142 | 0.097 | 0.173 | 0.126 | -0.001 | 82% | 0.469 | -0.026 |
| 3 | 00:41:51 | 0.054 | 0.221 | 0.137 | 0.289 | 0.157 | 0.011 | 82% | 0.097 | -0.030 |
| x | | 0.058 | 0.173 | 0.123 | 0.182 | 0.156 | 0.007 | 81% | 0.013 | -0.026 |
| σ | | 0.012 | 0.042 | 0.022 | 0.104 | 0.030 | 0.007 | 2% | 0.503 | 0.004 |
| %RSD | | 21.040 | 24.580 | 17.990 | 57.160 | 19.090 | 100.200 | 2 | 3846.000 | 14.690 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:39:35 | 0.306 | -0.532 | -0.021 | -0.087 | -0.064 | -0.058 | 1.863 | 1.541 | 81% |
| 2 | 00:40:43 | -0.304 | 0.465 | -0.025 | -0.042 | -0.064 | -0.064 | 1.571 | 1.529 | 84% |
| 3 | 00:41:51 | 0.019 | 0.092 | -0.021 | -0.071 | -0.060 | -0.063 | 1.679 | 1.727 | 84% |
| x | | 0.007 | 0.008 | -0.022 | -0.067 | -0.063 | -0.062 | 1.704 | 1.599 | 83% |
| σ | | 0.305 | 0.504 | 0.002 | 0.023 | 0.003 | 0.003 | 0.147 | 0.111 | 2% |
| %RSD | | 4567.000 | 6151.000 | 10.020 | 34.300 | 4.158 | 5.222 | 8.636 | 6.939 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:39:35 | 82% | -0.047 | -0.035 | 0.036 | 0.020 | 0.023 | 83% | 0.233 |
| 2 | 00:40:43 | 85% | -0.058 | -0.043 | 0.023 | 0.006 | 0.004 | 85% | 0.245 |
| 3 | 00:41:51 | 85% | -0.051 | -0.044 | 0.014 | 0.013 | 0.009 | 86% | 0.248 |
| x | | 84% | -0.052 | -0.041 | 0.024 | 0.013 | 0.012 | 85% | 0.242 |
| σ | | 2% | 0.006 | 0.005 | 0.011 | 0.007 | 0.010 | 2% | 0.008 |
| %RSD | | 2 | 11.190 | 11.510 | 46.830 | 56.130 | 80.650 | 2 | 3.180 |

**CCV** 05/02/2011 12:46:25 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:47:33 | 75% | 508.000 | 493.500 | 0.000 | 51820.000 | 50980.000 | 50570.000 | 50460.000 | 10160.000 |
| 2 | 00:48:42 | 74% | 506.800 | 506.100 | 0.000 | 50790.000 | 50890.000 | 50560.000 | 50000.000 | 10120.000 |
| 3 | 00:49:50 | 76% | 504.900 | 512.900 | 0.000 | 51500.000 | 50890.000 | 51290.000 | 50310.000 | 10210.000 |
| x | | 75% | 506.500 | 504.100 | 0.000 | 51370.000 | 50920.000 | 50810.000 | 50260.000 | 10160.000 |
| σ | | 1% | 1.575 | 9.852 | 0.000 | 523.700 | 51.870 | 419.000 | 237.600 | 45.500 |
| %RSD | | 1 | 0.311 | 1.954 | 0.000 | 1.020 | 0.102 | 0.825 | 0.473 | 0.448 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:47:33 | 531.200 | 10140.000 | 0.000 | 0.000 | 25820.000 | 50420.000 | 48780.000 | 74% | 489.300 |
| 2 | 00:48:42 | 484.100 | 9989.000 | 0.000 | 0.000 | 25180.000 | 51090.000 | 48250.000 | 75% | 486.900 |
| 3 | 00:49:50 | 546.700 | 10340.000 | 0.000 | 0.000 | 25880.000 | 52370.000 | 49310.000 | 73% | 503.000 |
| x | | 520.700 | 10150.000 | 0.000 | 0.000 | 25620.000 | 51290.000 | 48780.000 | 74% | 493.100 |
| σ | | 32.590 | 173.900 | 0.000 | 0.000 | 388.400 | 991.600 | 530.200 | 1% | 8.647 |
| %RSD | | 6.258 | 1.713 | 0.000 | 0.000 | 1.516 | 1.933 | 1.087 | 1 | 1.754 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:47:33 | 488.900 | 492.900 | 14.550 | 25240.000 | 983.200 | 25190.000 | 25420.000 | 488.500 | 497.600 |
| 2 | 00:48:42 | 475.100 | 477.600 | 22.950 | 24950.000 | 971.600 | 24510.000 | 24710.000 | 477.000 | 480.100 |
| 3 | 00:49:50 | 499.000 | 497.600 | 22.250 | 25740.000 | 1001.000 | 25530.000 | 25900.000 | 496.600 | 502.100 |
| x | | 487.700 | 489.300 | 19.920 | 25310.000 | 985.200 | 25080.000 | 25350.000 | 487.400 | 493.300 |
| σ | | 11.990 | 10.480 | 4.660 | 398.400 | 14.800 | 516.200 | 597.400 | 9.859 | 11.620 |
| %RSD | | 2.459 | 2.141 | 23.390 | 1.574 | 1.502 | 2.058 | 2.357 | 2.023 | 2.356 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:47:33 | 988.400 | 992.100 | 981.200 | 490.900 | 489.200 | -1.146 | 497.900 | 489.200 | 0.554 |
| 2 | 00:48:42 | 969.000 | 973.600 | 957.900 | 479.400 | 486.400 | -1.334 | 486.300 | 486.500 | 2.957 |
| 3 | 00:49:50 | 1013.000 | 1010.000 | 979.600 | 497.200 | 503.600 | -1.145 | 501.400 | 503.400 | -2.439 |
| x | | 990.200 | 992.000 | 972.900 | 489.200 | 493.100 | -1.208 | 495.200 | 493.000 | 0.357 |
| σ | | 22.160 | 18.290 | 13.030 | 9.046 | 9.232 | 0.109 | 7.903 | 9.099 | 2.704 |
| %RSD | | 2.238 | 1.844 | 1.339 | 1.849 | 1.872 | 9.007 | 1.596 | 1.845 | 756.400 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:47:33 | 341.300 | 492.200 | 469.700 | 492.700 | 487.400 | 0.003 | 72% | 442.700 | 495.800 |
| 2 | 00:48:42 | 332.900 | 477.600 | 457.400 | 472.700 | 476.500 | 0.008 | 74% | 431.400 | 487.000 |
| 3 | 00:49:50 | 342.800 | 499.500 | 469.000 | 488.700 | 489.000 | -0.001 | 72% | 447.700 | 501.500 |
| x | | 339.000 | 489.800 | 465.300 | 484.700 | 484.300 | 0.003 | 73% | 440.600 | 494.700 |
| σ | | 5.292 | 11.110 | 6.887 | 10.610 | 6.812 | 0.004 | 1% | 8.377 | 7.302 |
| %RSD | | 1.561 | 2.269 | 1.480 | 2.188 | 1.407 | 131.900 | 1 | 1.901 | 1.476 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:47:33 | 15.210 | 442.800 | 496.500 | 490.900 | 423.200 | 486.200 | 2475.000 | 2470.000 | 78% |
| 2 | 00:48:42 | 14.540 | 431.600 | 483.200 | 469.000 | 414.400 | 479.600 | 2433.000 | 2421.000 | 78% |
| 3 | 00:49:50 | 19.400 | 447.800 | 491.100 | 482.300 | 424.900 | 491.200 | 2489.000 | 2464.000 | 78% |
| x | | 16.380 | 440.700 | 490.200 | 480.700 | 420.800 | 485.700 | 2466.000 | 2452.000 | 78% |
| σ | | 2.631 | 8.266 | 6.691 | 11.050 | 5.632 | 5.827 | 29.180 | 26.970 | 0% |
| %RSD | | 16.060 | 1.876 | 1.365 | 2.300 | 1.338 | 1.200 | 1.183 | 1.100 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:47:33 | 79% | 496.500 | 494.900 | 496.800 | 497.000 | 495.800 | 77% | 512.200 |
| 2 | 00:48:42 | 79% | 484.500 | 484.300 | 489.500 | 493.300 | 490.000 | 78% | 497.200 |
| 3 | 00:49:50 | 79% | 496.800 | 493.100 | 494.800 | 495.000 | 496.700 | 78% | 504.300 |
| x | | 79% | 492.600 | 490.700 | 493.700 | 495.100 | 494.200 | 78% | 504.600 |
| σ | | 0% | 6.972 | 5.653 | 3.766 | 1.830 | 3.604 | 0% | 7.523 |
| %RSD | | 0 | 1.415 | 1.152 | 0.763 | 0.370 | 0.729 | 0 | 1.491 |

**CCB** 05/02/2011 12:54:23 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:55:31 | 77% | 0.412 | 13.530 | 0.000 | 124.400 | 54.770 | 55.580 | 55.030 | 10.310 |
| 2 | 00:56:39 | 77% | 0.280 | 12.510 | 0.000 | 96.910 | 40.450 | 39.860 | 40.100 | 7.593 |
| 3 | 00:57:48 | 79% | 0.141 | 9.049 | 0.000 | 65.730 | 17.750 | 16.530 | 18.400 | 3.407 |
| x | | 78% | 0.278 | 11.700 | 0.000 | 95.680 | 37.660 | 37.330 | 37.840 | 7.104 |
| σ | | 1% | 0.136 | 2.348 | 0.000 | 29.350 | 18.670 | 19.650 | 18.420 | 3.479 |
| %RSD | | 1 | 48.800 | 20.080 | 0.000 | 30.670 | 49.580 | 52.640 | 48.680 | 48.970 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:55:31 | 2.158 | 20.540 | 0.000 | 0.000 | 27.150 | 44.570 | -3.924 | 77% | -0.129 |
| 2 | 00:56:39 | 1.116 | 20.180 | 0.000 | 0.000 | 11.050 | 42.960 | -18.950 | 77% | -0.052 |
| 3 | 00:57:48 | 0.587 | 17.470 | 0.000 | 0.000 | 2.047 | 16.090 | -38.700 | 75% | -0.257 |
| x | | 1.287 | 19.400 | 0.000 | 0.000 | 13.420 | 34.540 | -20.530 | 76% | -0.146 |
| σ | | 0.799 | 1.678 | 0.000 | 0.000 | 12.720 | 16.000 | 17.440 | 1% | 0.104 |
| %RSD | | 62.100 | 8.652 | 0.000 | 0.000 | 94.800 | 46.310 | 84.980 | 1 | 70.770 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:55:31 | 0.787 | 0.532 | 9.833 | 27.050 | 1.044 | 20.040 | 27.720 | 0.474 | 0.366 |
| 2 | 00:56:39 | 0.190 | 0.365 | 10.240 | 20.580 | 0.728 | 15.450 | 26.000 | 0.364 | 0.378 |
| 3 | 00:57:48 | -0.277 | 0.135 | 10.090 | 10.950 | 0.306 | 6.349 | 16.640 | 0.183 | 0.086 |
| x | | 0.233 | 0.344 | 10.060 | 19.530 | 0.693 | 13.940 | 23.460 | 0.340 | 0.276 |
| σ | | 0.533 | 0.199 | 0.207 | 8.097 | 0.370 | 6.966 | 5.963 | 0.147 | 0.165 |
| %RSD | | 228.600 | 57.960 | 2.060 | 41.470 | 53.480 | 49.960 | 25.420 | 43.100 | 59.780 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:55:31 | 1.008 | 1.029 | 0.916 | 0.464 | 0.119 | 0.056 | 0.346 | 0.119 | 2.450 |
| 2 | 00:56:39 | 0.789 | 0.718 | 0.717 | 0.262 | -0.121 | 0.058 | 0.112 | -0.121 | 4.283 |
| 3 | 00:57:48 | 0.285 | 0.284 | 0.147 | 0.472 | 0.072 | -0.009 | -0.063 | 0.072 | 0.799 |
| x | | 0.694 | 0.677 | 0.594 | 0.399 | 0.023 | 0.035 | 0.132 | 0.023 | 2.511 |
| σ | | 0.371 | 0.374 | 0.399 | 0.119 | 0.127 | 0.038 | 0.205 | 0.127 | 1.743 |
| %RSD | | 53.480 | 55.300 | 67.260 | 29.870 | 542.700 | 109.700 | 155.800 | 543.000 | 69.420 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:55:31 | 0.732 | 1.187 | 1.157 | 0.992 | 1.146 | -0.001 | 76% | 0.056 | 0.601 |
| 2 | 00:56:39 | 0.491 | 0.694 | 0.853 | 0.994 | 0.878 | -0.001 | 76% | 0.226 | 0.410 |
| 3 | 00:57:48 | 0.342 | 0.560 | 0.525 | 0.598 | 0.591 | 0.007 | 76% | 0.670 | 0.113 |
| x | | 0.522 | 0.814 | 0.845 | 0.862 | 0.872 | 0.002 | 76% | 0.318 | 0.375 |
| σ | | 0.197 | 0.330 | 0.316 | 0.228 | 0.277 | 0.005 | 0% | 0.317 | 0.246 |
| %RSD | | 37.720 | 40.590 | 37.430 | 26.480 | 31.810 | 280.200 | 0 | 99.940 | 65.630 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:55:31 | 0.175 | 0.052 | 0.647 | 0.542 | 0.611 | 0.836 | 2.317 | 2.981 | 78% |
| 2 | 00:56:39 | -0.043 | 0.220 | 0.401 | 0.294 | 0.440 | 0.662 | 1.873 | 1.709 | 79% |
| 3 | 00:57:48 | -0.414 | 0.665 | 0.111 | 0.111 | 0.255 | 0.391 | 0.638 | 0.749 | 79% |
| x | | -0.094 | 0.312 | 0.386 | 0.316 | 0.435 | 0.630 | 1.609 | 1.813 | 79% |
| σ | | 0.298 | 0.317 | 0.268 | 0.217 | 0.178 | 0.225 | 0.870 | 1.120 | 0% |
| %RSD | | 317.000 | 101.600 | 69.460 | 68.650 | 40.880 | 35.670 | 54.070 | 61.760 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 00:55:31 | 79% | 0.656 | 0.677 | 0.483 | 0.479 | 0.486 | 81% | 0.474 |
| 2 | 00:56:39 | 80% | 0.379 | 0.386 | 0.335 | 0.342 | 0.331 | 81% | 0.352 |
| 3 | 00:57:48 | 80% | 0.127 | 0.141 | 0.090 | 0.114 | 0.104 | 81% | 0.147 |
| x | | 80% | 0.388 | 0.401 | 0.303 | 0.312 | 0.307 | 81% | 0.324 |
| σ | | 0% | 0.264 | 0.268 | 0.198 | 0.184 | 0.192 | 0% | 0.165 |
| %RSD | | 0 | 68.200 | 66.880 | 65.470 | 59.110 | 62.640 | 0 | 51.020 |

**C1881-16 MF3TB6** 05/02/2011 01:02:22 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:03:30 | 81% | 0.040 | 1334.000 | 0.000 | 343800.000 | 67810.000 | 67970.000 | 67530.000 | 5.103 |
| 2 | 01:04:38 | 79% | 0.056 | 1345.000 | 0.000 | 343600.000 | 68570.000 | 67680.000 | 67390.000 | 4.284 |
| 3 | 01:05:47 | 80% | 0.096 | 1407.000 | 0.000 | 349200.000 | 69160.000 | 68560.000 | 67950.000 | 3.525 |
| x | | 80% | 0.064 | 1362.000 | 0.000 | 345500.000 | 68510.000 | 68070.000 | 67620.000 | 4.304 |
| σ | | 1% | 0.029 | 39.550 | 0.000 | 3174.000 | 673.000 | 445.100 | 290.900 | 0.789 |
| %RSD | | 1 | 44.790 | 2.904 | 0.000 | 0.919 | 0.982 | 0.654 | 0.430 | 18.340 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:03:30 | 26170.000 | 8.274 | 0.000 | 0.000 | 6066.000 | 206200.000 | 229900.000 | 75% | 1.116 |
| 2 | 01:04:38 | 26510.000 | 6.220 | 0.000 | 0.000 | 5978.000 | 203600.000 | 227500.000 | 76% | 1.927 |
| 3 | 01:05:47 | 26580.000 | 6.770 | 0.000 | 0.000 | 5957.000 | 203600.000 | 225600.000 | 77% | 1.879 |
| x | | 26420.000 | 7.088 | 0.000 | 0.000 | 6000.000 | 204500.000 | 227700.000 | 76% | 1.641 |
| σ | | 219.300 | 1.063 | 0.000 | 0.000 | 57.900 | 1493.000 | 2201.000 | 1% | 0.455 |
| %RSD | | 0.830 | 15.000 | 0.000 | 0.000 | 0.965 | 0.730 | 0.967 | 2 | 27.750 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:03:30 | 70.600 | 1.462 | 165.700 | 18.840 | 0.871 | 25.200 | 801.600 | 0.232 | 2.582 |
| 2 | 01:04:38 | 67.190 | 1.429 | 169.700 | 14.200 | 0.728 | 22.580 | 796.300 | 0.149 | 2.439 |
| 3 | 01:05:47 | 67.500 | 1.500 | 176.900 | 19.990 | 0.656 | 20.520 | 782.900 | 0.079 | 2.494 |
| x | | 68.430 | 1.464 | 170.800 | 17.680 | 0.752 | 22.770 | 793.600 | 0.153 | 2.505 |
| σ | | 1.884 | 0.035 | 5.650 | 3.067 | 0.109 | 2.346 | 9.631 | 0.077 | 0.072 |
| %RSD | | 2.753 | 2.414 | 3.308 | 17.350 | 14.530 | 10.300 | 1.214 | 49.980 | 2.865 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:03:30 | 3.952 | 4.142 | 6.621 | 12.640 | 17.130 | 0.646 | 10.340 | 17.240 | 2.945 |
| 2 | 01:04:38 | 3.412 | 4.271 | 5.773 | 12.130 | 18.170 | 0.753 | 9.515 | 18.280 | 2.269 |
| 3 | 01:05:47 | 3.663 | 3.702 | 5.588 | 11.350 | 17.540 | 0.919 | 9.436 | 17.640 | 2.049 |
| x | | 3.676 | 4.038 | 5.994 | 12.040 | 17.610 | 0.772 | 9.765 | 17.720 | 2.421 |
| σ | | 0.270 | 0.299 | 0.551 | 0.653 | 0.521 | 0.137 | 0.503 | 0.523 | 0.467 |
| %RSD | | 7.355 | 7.397 | 9.192 | 5.420 | 2.961 | 17.770 | 5.155 | 2.954 | 19.290 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:03:30 | 8.075 | 2.366 | 2.491 | 2.683 | 2.352 | 0.013 | 68% | -0.202 | 0.166 |
| 2 | 01:04:38 | 7.197 | 2.533 | 2.194 | 2.224 | 2.367 | 0.008 | 70% | 1.427 | 0.097 |
| 3 | 01:05:47 | 7.253 | 2.255 | 1.984 | 2.413 | 2.349 | 0.003 | 71% | 0.343 | 0.063 |
| x | | 7.508 | 2.385 | 2.223 | 2.440 | 2.356 | 0.008 | 70% | 0.523 | 0.109 |
| σ | | 0.492 | 0.140 | 0.254 | 0.231 | 0.010 | 0.005 | 1% | 0.829 | 0.052 |
| %RSD | | 6.548 | 5.866 | 11.440 | 9.452 | 0.407 | 58.340 | 2 | 158.600 | 47.900 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:03:30 | 0.352 | -0.219 | 0.132 | 0.090 | 0.355 | 0.421 | 50.170 | 51.520 | 75% |
| 2 | 01:04:38 | -0.549 | 1.407 | 0.587 | 0.135 | 0.216 | 0.278 | 49.180 | 49.810 | 78% |
| 3 | 01:05:47 | -0.092 | 0.324 | 0.068 | 0.090 | 0.213 | 0.228 | 48.650 | 48.840 | 79% |
| x | | -0.096 | 0.504 | 0.262 | 0.105 | 0.261 | 0.309 | 49.330 | 50.050 | 77% |
| σ | | 0.451 | 0.828 | 0.283 | 0.026 | 0.081 | 0.100 | 0.768 | 1.357 | 2% |
| %RSD | | 468.700 | 164.200 | 108.000 | 24.490 | 31.170 | 32.380 | 1.557 | 2.711 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:03:30 | 76% | 0.245 | 0.227 | 0.400 | 0.368 | 0.384 | 73% | 11.140 |
| 2 | 01:04:38 | 78% | 0.111 | 0.126 | 0.339 | 0.298 | 0.296 | 75% | 10.880 |
| 3 | 01:05:47 | 80% | 0.082 | 0.071 | 0.242 | 0.220 | 0.233 | 77% | 10.620 |
| x | | 78% | 0.146 | 0.141 | 0.327 | 0.295 | 0.304 | 75% | 10.880 |
| σ | | 2% | 0.087 | 0.079 | 0.080 | 0.074 | 0.076 | 2% | 0.262 |
| %RSD | | 3 | 59.640 | 55.890 | 24.360 | 25.090 | 24.920 | 2 | 2.404 |

**C1881-17 MF3TB7** 05/02/2011 01:10:21 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:11:29 | 78% | -0.063 | 1283.000 | 0.000 | 288000.000 | 60890.000 | 60510.000 | 59910.000 | 2.370 |
| 2 | 01:12:37 | 78% | -0.063 | 1267.000 | 0.000 | 276100.000 | 58380.000 | 57500.000 | 57520.000 | 1.935 |
| 3 | 01:13:45 | 81% | 0.018 | 1223.000 | 0.000 | 270800.000 | 56840.000 | 55900.000 | 56440.000 | 1.850 |
| x | | 79% | -0.036 | 1258.000 | 0.000 | 278300.000 | 58700.000 | 57970.000 | 57960.000 | 2.052 |
| σ | | 2% | 0.047 | 31.130 | 0.000 | 8794.000 | 2043.000 | 2340.000 | 1774.000 | 0.279 |
| %RSD | | 2 | 128.900 | 2.476 | 0.000 | 3.160 | 3.480 | 4.036 | 3.061 | 13.590 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:11:29 | 33970.000 | 10.860 | 0.000 | 0.000 | 6898.000 | 147100.000 | 165300.000 | 74% | 2.328 |
| 2 | 01:12:37 | 32270.000 | 8.266 | 0.000 | 0.000 | 6541.000 | 140300.000 | 156200.000 | 76% | 1.256 |
| 3 | 01:13:45 | 32030.000 | 6.934 | 0.000 | 0.000 | 6450.000 | 139700.000 | 154800.000 | 77% | 1.756 |
| x | | 32760.000 | 8.686 | 0.000 | 0.000 | 6630.000 | 142300.000 | 158800.000 | 76% | 1.780 |
| σ | | 1054.000 | 1.995 | 0.000 | 0.000 | 237.100 | 4133.000 | 5693.000 | 2% | 0.536 |
| %RSD | | 3.219 | 22.970 | 0.000 | 0.000 | 3.577 | 2.903 | 3.586 | 2 | 30.130 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:11:29 | 95.900 | 18.650 | 195.500 | 15.980 | 0.466 | 18.820 | 551.800 | 1.665 | 2.637 |
| 2 | 01:12:37 | 92.240 | 17.590 | 196.500 | 14.460 | 0.375 | 17.650 | 533.700 | 1.642 | 2.463 |
| 3 | 01:13:45 | 90.190 | 17.620 | 200.100 | 13.170 | 0.379 | 17.040 | 551.000 | 1.575 | 2.528 |
| x | | 92.780 | 17.960 | 197.400 | 14.540 | 0.407 | 17.840 | 545.500 | 1.627 | 2.543 |
| σ | | 2.896 | 0.604 | 2.460 | 1.407 | 0.051 | 0.908 | 10.190 | 0.046 | 0.088 |
| %RSD | | 3.121 | 3.362 | 1.246 | 9.677 | 12.590 | 5.089 | 1.868 | 2.855 | 3.475 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:11:29 | 1.661 | 1.715 | 17.350 | 13.190 | 10.240 | 1.124 | 7.543 | 10.310 | 2.753 |
| 2 | 01:12:37 | 1.494 | 1.650 | 17.130 | 12.580 | 9.803 | 1.041 | 7.497 | 9.873 | -0.733 |
| 3 | 01:13:45 | 1.338 | 1.430 | 16.730 | 13.030 | 8.638 | 0.906 | 5.569 | 8.693 | 1.805 |
| x | | 1.498 | 1.598 | 17.070 | 12.930 | 9.561 | 1.024 | 6.870 | 9.625 | 1.275 |
| σ | | 0.162 | 0.149 | 0.318 | 0.318 | 0.829 | 0.110 | 1.126 | 0.836 | 1.802 |
| %RSD | | 10.800 | 9.346 | 1.861 | 2.462 | 8.671 | 10.770 | 16.390 | 8.683 | 141.400 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:11:29 | 9.511 | 0.954 | 0.888 | 0.914 | 0.803 | 0.004 | 67% | -0.323 | 0.066 |
| 2 | 01:12:37 | 8.494 | 0.862 | 0.881 | 0.993 | 0.809 | 0.004 | 69% | 1.304 | 0.025 |
| 3 | 01:13:45 | 7.468 | 0.960 | 0.743 | 0.957 | 0.856 | 0.017 | 70% | -0.146 | 0.037 |
| x | | 8.491 | 0.926 | 0.838 | 0.955 | 0.823 | 0.008 | 69% | 0.278 | 0.042 |
| σ | | 1.022 | 0.055 | 0.082 | 0.039 | 0.029 | 0.008 | 1% | 0.893 | 0.021 |
| %RSD | | 12.030 | 5.939 | 9.763 | 4.123 | 3.526 | 96.330 | 2 | 321.000 | 50.290 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:11:29 | 0.495 | -0.344 | 0.064 | -0.045 | 0.009 | 0.132 | 54.620 | 54.650 | 76% |
| 2 | 01:12:37 | -0.754 | 1.282 | 0.020 | 0.099 | -0.016 | 0.129 | 52.840 | 52.740 | 78% |
| 3 | 01:13:45 | 0.180 | -0.167 | 0.006 | -0.081 | -0.037 | 0.130 | 51.450 | 49.790 | 79% |
| x | | -0.026 | 0.257 | 0.030 | -0.009 | -0.015 | 0.130 | 52.970 | 52.390 | 78% |
| σ | | 0.650 | 0.892 | 0.030 | 0.095 | 0.023 | 0.001 | 1.593 | 2.446 | 2% |
| %RSD | | 2482.000 | 346.900 | 101.600 | 1097.000 | 157.300 | 1.112 | 3.007 | 4.669 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:11:29 | 76% | 0.055 | 0.039 | 0.379 | 0.285 | 0.331 | 74% | 10.270 |
| 2 | 01:12:37 | 79% | 0.018 | 0.007 | 0.249 | 0.271 | 0.282 | 77% | 9.763 |
| 3 | 01:13:45 | 81% | -0.003 | -0.000 | 0.295 | 0.268 | 0.273 | 78% | 9.603 |
| x | | 79% | 0.023 | 0.015 | 0.308 | 0.275 | 0.295 | 76% | 9.878 |
| σ | | 2% | 0.029 | 0.021 | 0.066 | 0.009 | 0.031 | 2% | 0.346 |
| %RSD | | 3 | 124.300 | 138.300 | 21.380 | 3.253 | 10.580 | 3 | 3.507 |

**C1881-18 MF3TD9** 05/02/2011 01:18:19 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:19:27 | 79% | -0.097 | 1206.000 | 0.000 | 273600.000 | 43180.000 | 42700.000 | 42300.000 | 1.012 |
| 2 | 01:20:36 | 77% | -0.118 | 1249.000 | 0.000 | 276000.000 | 43460.000 | 43030.000 | 43160.000 | 1.120 |
| 3 | 01:21:44 | 76% | -0.083 | 1235.000 | 0.000 | 277800.000 | 43850.000 | 43090.000 | 43030.000 | 0.973 |
| x | | 77% | -0.099 | 1230.000 | 0.000 | 275800.000 | 43500.000 | 42940.000 | 42830.000 | 1.035 |
| σ | | 1% | 0.017 | 21.950 | 0.000 | 2117.000 | 332.600 | 208.800 | 464.800 | 0.076 |
| %RSD | | 2 | 17.560 | 1.785 | 0.000 | 0.768 | 0.765 | 0.486 | 1.085 | 7.389 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:19:27 | 27010.000 | 2.294 | 0.000 | 0.000 | 5895.000 | 145200.000 | 162400.000 | 76% | 1.441 |
| 2 | 01:20:36 | 27520.000 | 1.882 | 0.000 | 0.000 | 6030.000 | 148200.000 | 167500.000 | 74% | 1.899 |
| 3 | 01:21:44 | 27340.000 | 1.755 | 0.000 | 0.000 | 6071.000 | 147800.000 | 166400.000 | 73% | 1.075 |
| x | | 27290.000 | 1.977 | 0.000 | 0.000 | 5999.000 | 147100.000 | 165400.000 | 74% | 1.472 |
| σ | | 257.400 | 0.282 | 0.000 | 0.000 | 91.930 | 1631.000 | 2727.000 | 1% | 0.413 |
| %RSD | | 0.943 | 14.270 | 0.000 | 0.000 | 1.532 | 1.109 | 1.648 | 2 | 28.050 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:19:27 | 63.390 | 1.203 | 193.200 | 10.680 | 0.655 | 16.990 | 634.100 | 0.213 | 2.075 |
| 2 | 01:20:36 | 63.610 | 1.330 | 210.000 | 14.200 | 0.675 | 17.350 | 612.000 | 0.228 | 2.211 |
| 3 | 01:21:44 | 61.680 | 1.198 | 217.000 | 16.290 | 0.696 | 17.360 | 581.300 | 0.108 | 2.165 |
| x | | 62.890 | 1.244 | 206.800 | 13.720 | 0.675 | 17.230 | 609.100 | 0.183 | 2.151 |
| σ | | 1.056 | 0.075 | 12.250 | 2.831 | 0.021 | 0.209 | 26.550 | 0.065 | 0.069 |
| %RSD | | 1.679 | 6.024 | 5.923 | 20.630 | 3.078 | 1.210 | 4.358 | 35.860 | 3.216 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:19:27 | 1.752 | 1.910 | 4.286 | 12.180 | 18.330 | 1.150 | 15.570 | 18.450 | 2.326 |
| 2 | 01:20:36 | 1.592 | 1.571 | 3.859 | 12.730 | 18.110 | 1.118 | 15.580 | 18.190 | 5.646 |
| 3 | 01:21:44 | 1.707 | 2.049 | 4.252 | 13.440 | 18.740 | 1.063 | 15.370 | 18.860 | 3.947 |
| x | | 1.684 | 1.844 | 4.132 | 12.790 | 18.390 | 1.110 | 15.510 | 18.500 | 3.973 |
| σ | | 0.082 | 0.246 | 0.238 | 0.630 | 0.323 | 0.044 | 0.116 | 0.333 | 1.660 |
| %RSD | | 4.885 | 13.340 | 5.747 | 4.930 | 1.753 | 3.990 | 0.749 | 1.800 | 41.780 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:19:27 | 1.856 | 2.496 | 2.587 | 2.675 | 2.561 | 0.013 | 69% | 0.007 | 0.063 |
| 2 | 01:20:36 | 1.588 | 2.697 | 2.632 | 2.425 | 2.617 | 0.004 | 69% | 0.403 | 0.051 |
| 3 | 01:21:44 | 1.669 | 2.662 | 2.548 | 3.115 | 2.678 | 0.013 | 67% | 1.457 | 0.028 |
| x | | 1.704 | 2.618 | 2.589 | 2.738 | 2.619 | 0.010 | 68% | 0.623 | 0.047 |
| σ | | 0.138 | 0.108 | 0.042 | 0.350 | 0.059 | 0.005 | 1% | 0.750 | 0.018 |
| %RSD | | 8.068 | 4.107 | 1.619 | 12.770 | 2.236 | 55.180 | 1 | 120.400 | 37.710 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:19:27 | -0.042 | -0.011 | 0.057 | -0.005 | -0.032 | 0.064 | 33.510 | 32.410 | 77% |
| 2 | 01:20:36 | -0.191 | 0.385 | 0.020 | -0.022 | 0.009 | 0.045 | 32.100 | 33.620 | 76% |
| 3 | 01:21:44 | -0.698 | 1.438 | 0.032 | 0.044 | -0.004 | 0.063 | 32.920 | 33.840 | 75% |
| x | | -0.310 | 0.604 | 0.036 | 0.006 | -0.009 | 0.057 | 32.840 | 33.290 | 76% |
| σ | | 0.344 | 0.749 | 0.019 | 0.034 | 0.021 | 0.011 | 0.707 | 0.773 | 1% |
| %RSD | | 110.800 | 124.000 | 52.180 | 592.700 | 227.000 | 18.790 | 2.153 | 2.321 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:19:27 | 77% | -0.027 | -0.010 | 0.121 | 0.100 | 0.116 | 75% | 7.410 |
| 2 | 01:20:36 | 78% | -0.023 | -0.013 | 0.082 | 0.073 | 0.085 | 75% | 7.299 |
| 3 | 01:21:44 | 76% | -0.040 | -0.027 | 0.084 | 0.093 | 0.081 | 73% | 7.594 |
| x | | 77% | -0.030 | -0.017 | 0.096 | 0.089 | 0.094 | 74% | 7.434 |
| σ | | 1% | 0.009 | 0.009 | 0.022 | 0.014 | 0.019 | 1% | 0.149 |
| %RSD | | 1 | 29.500 | 54.350 | 22.900 | 15.990 | 20.660 | 1 | 2.005 |

**C1881-19 MF3TA2** 05/02/2011 01:26:18 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:27:26 | 75% | -0.072 | 1228.000 | 0.000 | 256000.000 | 51520.000 | 50890.000 | 49980.000 | 0.494 |
| 2 | 01:28:34 | 74% | -0.082 | 1267.000 | 0.000 | 255100.000 | 51120.000 | 50650.000 | 50040.000 | 0.327 |
| 3 | 01:29:42 | 74% | -0.128 | 1266.000 | 0.000 | 257700.000 | 51860.000 | 51000.000 | 51070.000 | 0.222 |
| x | | 75% | -0.094 | 1254.000 | 0.000 | 256200.000 | 51500.000 | 50850.000 | 50360.000 | 0.348 |
| σ | | 1% | 0.030 | 22.020 | 0.000 | 1321.000 | 372.200 | 180.900 | 614.000 | 0.137 |
| %RSD | | 1 | 31.920 | 1.757 | 0.000 | 0.515 | 0.723 | 0.356 | 1.219 | 39.490 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:27:26 | 27260.000 | 1.954 | 0.000 | 0.000 | 5964.000 | 144600.000 | 160000.000 | 74% | 1.247 |
| 2 | 01:28:34 | 27570.000 | 3.824 | 0.000 | 0.000 | 5933.000 | 143800.000 | 161500.000 | 73% | 1.769 |
| 3 | 01:29:42 | 27610.000 | 3.487 | 0.000 | 0.000 | 5945.000 | 143700.000 | 160300.000 | 73% | 1.471 |
| x | | 27480.000 | 3.088 | 0.000 | 0.000 | 5948.000 | 144000.000 | 160600.000 | 73% | 1.495 |
| σ | | 195.400 | 0.996 | 0.000 | 0.000 | 15.650 | 491.000 | 795.700 | 0% | 0.262 |
| %RSD | | 0.711 | 32.270 | 0.000 | 0.000 | 0.263 | 0.341 | 0.495 | 1 | 17.510 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:27:26 | 73.580 | 31.390 | 197.000 | 14.040 | 0.192 | 16.170 | 470.200 | -0.015 | 1.477 |
| 2 | 01:28:34 | 72.180 | 32.300 | 208.700 | 12.910 | 0.227 | 16.870 | 500.900 | -0.037 | 1.503 |
| 3 | 01:29:42 | 72.120 | 31.650 | 216.000 | 10.680 | 0.234 | 16.880 | 500.300 | -0.062 | 1.250 |
| x | | 72.630 | 31.780 | 207.200 | 12.540 | 0.218 | 16.640 | 490.500 | -0.038 | 1.410 |
| σ | | 0.825 | 0.470 | 9.561 | 1.705 | 0.022 | 0.404 | 17.520 | 0.023 | 0.139 |
| %RSD | | 1.136 | 1.479 | 4.614 | 13.600 | 10.310 | 2.427 | 3.572 | 61.720 | 9.889 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:27:26 | 3.002 | 3.571 | 14.110 | 14.490 | 12.970 | 0.854 | 8.637 | 13.020 | 1.257 |
| 2 | 01:28:34 | 2.971 | 3.285 | 14.180 | 14.550 | 12.820 | 1.043 | 9.448 | 12.860 | -0.589 |
| 3 | 01:29:42 | 3.115 | 3.078 | 14.090 | 13.160 | 12.650 | 1.340 | 9.581 | 12.720 | 4.317 |
| x | | 3.029 | 3.311 | 14.130 | 14.070 | 12.810 | 1.079 | 9.222 | 12.870 | 1.661 |
| σ | | 0.076 | 0.247 | 0.047 | 0.782 | 0.156 | 0.245 | 0.511 | 0.149 | 2.478 |
| %RSD | | 2.511 | 7.472 | 0.333 | 5.558 | 1.215 | 22.740 | 5.537 | 1.159 | 149.100 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:27:26 | 1.130 | 2.068 | 1.866 | 2.131 | 2.009 | 0.008 | 69% | -0.291 | 0.026 |
| 2 | 01:28:34 | 1.231 | 2.025 | 1.835 | 2.044 | 1.925 | 0.013 | 69% | -2.273 | 0.009 |
| 3 | 01:29:42 | 1.330 | 2.006 | 1.808 | 2.027 | 1.894 | 0.004 | 68% | 0.204 | 0.014 |
| x | | 1.230 | 2.033 | 1.837 | 2.068 | 1.942 | 0.008 | 69% | -0.787 | 0.017 |
| σ | | 0.100 | 0.032 | 0.029 | 0.056 | 0.059 | 0.005 | 1% | 1.311 | 0.009 |
| %RSD | | 8.116 | 1.568 | 1.589 | 2.708 | 3.061 | 56.060 | 1 | 166.700 | 51.840 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:27:26 | 0.260 | -0.310 | 0.041 | -0.098 | -0.009 | 0.004 | 31.340 | 31.170 | 78% |
| 2 | 01:28:34 | 1.212 | -2.290 | 0.017 | -0.203 | -0.056 | 0.020 | 31.080 | 32.140 | 77% |
| 3 | 01:29:42 | -0.078 | 0.182 | 0.025 | -0.060 | -0.047 | 0.017 | 33.690 | 32.180 | 77% |
| x | | 0.465 | -0.806 | 0.028 | -0.120 | -0.037 | 0.014 | 32.040 | 31.830 | 77% |
| σ | | 0.669 | 1.308 | 0.012 | 0.074 | 0.025 | 0.008 | 1.441 | 0.572 | 1% |
| %RSD | | 144.000 | 162.300 | 43.500 | 61.520 | 66.940 | 61.370 | 4.499 | 1.797 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:27:26 | 78% | -0.026 | -0.025 | 0.438 | 0.411 | 0.425 | 76% | 7.908 |
| 2 | 01:28:34 | 78% | -0.045 | -0.032 | 0.462 | 0.388 | 0.434 | 76% | 7.868 |
| 3 | 01:29:42 | 78% | -0.050 | -0.039 | 0.443 | 0.391 | 0.413 | 75% | 7.997 |
| x | | 78% | -0.040 | -0.032 | 0.448 | 0.397 | 0.424 | 76% | 7.924 |
| σ | | 0% | 0.013 | 0.007 | 0.013 | 0.013 | 0.011 | 0% | 0.066 |
| %RSD | | 1 | 32.070 | 21.730 | 2.898 | 3.261 | 2.489 | 0 | 0.827 |

**C1881-20 MF3TC3** 05/02/2011 01:34:18 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:35:26 | 78% | -0.152 | 1034.000 | 0.000 | 268700.000 | 68510.000 | 67740.000 | 67800.000 | 1.311 |
| 2 | 01:36:34 | 82% | -0.100 | 974.900 | 0.000 | 258400.000 | 66290.000 | 65630.000 | 65140.000 | 1.073 |
| 3 | 01:37:42 | 80% | -0.098 | 1020.000 | 0.000 | 270000.000 | 68800.000 | 67930.000 | 67460.000 | 3.998 |
| x | | 80% | -0.117 | 1010.000 | 0.000 | 265700.000 | 67870.000 | 67100.000 | 66800.000 | 2.127 |
| σ | | 2% | 0.030 | 30.890 | 0.000 | 6371.000 | 1374.000 | 1273.000 | 1446.000 | 1.624 |
| %RSD | | 3 | 25.950 | 3.060 | 0.000 | 2.398 | 2.025 | 1.897 | 2.165 | 76.350 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:35:26 | 22330.000 | 0.267 | 0.000 | 0.000 | 8362.000 | 247400.000 | 276600.000 | 80% | 1.118 |
| 2 | 01:36:34 | 21680.000 | -2.483 | 0.000 | 0.000 | 8169.000 | 260800.000 | 269900.000 | 81% | 1.319 |
| 3 | 01:37:42 | 22120.000 | -0.912 | 0.000 | 0.000 | 8466.000 | 264800.000 | 275300.000 | 80% | 1.155 |
| x | | 22050.000 | -1.042 | 0.000 | 0.000 | 8332.000 | 257700.000 | 274000.000 | 80% | 1.197 |
| σ | | 333.900 | 1.380 | 0.000 | 0.000 | 150.700 | 9144.000 | 3539.000 | 1% | 0.107 |
| %RSD | | 1.515 | 132.400 | 0.000 | 0.000 | 1.809 | 3.549 | 1.292 | 1 | 8.951 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:35:26 | 60.300 | 22.330 | 173.000 | 3.672 | 0.217 | 13.280 | 849.400 | 0.480 | 3.008 |
| 2 | 01:36:34 | 59.950 | 22.380 | 173.800 | 5.154 | 0.199 | 12.610 | 813.800 | 0.478 | 3.162 |
| 3 | 01:37:42 | 62.700 | 22.720 | 181.200 | 3.583 | 0.213 | 14.290 | 857.500 | 0.557 | 3.295 |
| x | | 60.980 | 22.480 | 176.000 | 4.136 | 0.210 | 13.400 | 840.200 | 0.505 | 3.155 |
| σ | | 1.497 | 0.210 | 4.539 | 0.882 | 0.009 | 0.847 | 23.260 | 0.045 | 0.144 |
| %RSD | | 2.454 | 0.933 | 2.579 | 21.330 | 4.511 | 6.321 | 2.768 | 8.960 | 4.552 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:35:26 | 1.431 | 1.408 | 2.901 | 10.610 | 20.810 | 1.181 | 17.440 | 21.150 | 0.749 |
| 2 | 01:36:34 | 1.163 | 1.536 | 2.804 | 11.910 | 22.950 | 0.974 | 16.410 | 23.290 | 4.995 |
| 3 | 01:37:42 | 1.396 | 1.577 | 2.807 | 12.200 | 23.890 | 0.868 | 17.810 | 24.240 | 3.345 |
| x | | 1.330 | 1.507 | 2.837 | 11.580 | 22.550 | 1.008 | 17.220 | 22.890 | 3.030 |
| σ | | 0.146 | 0.088 | 0.055 | 0.847 | 1.577 | 0.159 | 0.723 | 1.582 | 2.140 |
| %RSD | | 10.950 | 5.838 | 1.950 | 7.319 | 6.993 | 15.800 | 4.199 | 6.913 | 70.640 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:35:26 | 5.872 | 1.493 | 1.351 | 1.421 | 1.233 | 0.004 | 65% | -0.743 | 0.009 |
| 2 | 01:36:34 | 7.079 | 1.396 | 1.265 | 1.531 | 1.353 | -0.001 | 67% | 0.338 | 0.008 |
| 3 | 01:37:42 | 8.580 | 1.347 | 1.276 | 1.495 | 1.424 | 0.009 | 66% | 1.292 | 0.004 |
| x | | 7.177 | 1.412 | 1.297 | 1.482 | 1.337 | 0.004 | 66% | 0.296 | 0.007 |
| σ | | 1.357 | 0.074 | 0.047 | 0.056 | 0.096 | 0.005 | 1% | 1.018 | 0.003 |
| %RSD | | 18.900 | 5.243 | 3.627 | 3.781 | 7.204 | 128.100 | 2 | 344.200 | 36.880 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:35:26 | 0.519 | -0.763 | 0.013 | -0.099 | -0.023 | 0.035 | 23.390 | 23.440 | 73% |
| 2 | 01:36:34 | -0.224 | 0.319 | 0.010 | -0.044 | -0.079 | 0.014 | 23.690 | 22.450 | 75% |
| 3 | 01:37:42 | -0.532 | 1.272 | -0.011 | 0.008 | -0.050 | 0.024 | 23.620 | 22.530 | 74% |
| x | | -0.079 | 0.276 | 0.004 | -0.045 | -0.051 | 0.024 | 23.570 | 22.810 | 74% |
| σ | | 0.540 | 1.018 | 0.013 | 0.053 | 0.028 | 0.011 | 0.158 | 0.549 | 1% |
| %RSD | | 683.200 | 368.900 | 316.800 | 119.500 | 55.830 | 43.680 | 0.671 | 2.410 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:35:26 | 74% | -0.042 | -0.038 | 0.081 | 0.089 | 0.081 | 71% | 18.740 |
| 2 | 01:36:34 | 75% | -0.053 | -0.035 | 0.064 | 0.082 | 0.070 | 73% | 18.300 |
| 3 | 01:37:42 | 74% | -0.044 | -0.034 | 0.063 | 0.080 | 0.082 | 71% | 19.180 |
| x | | 74% | -0.046 | -0.036 | 0.069 | 0.084 | 0.077 | 71% | 18.740 |
| σ | | 1% | 0.006 | 0.003 | 0.010 | 0.005 | 0.006 | 1% | 0.441 |
| %RSD | | 1 | 12.110 | 7.066 | 14.840 | 5.642 | 8.266 | 2 | 2.352 |

**C1881-16X25 MF3TB6** 05/02/2011 01:42:18 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:43:27 | 91% | -0.134 | 86.940 | 0.000 | 14550.000 | 2894.000 | 2780.000 | 2818.000 | 0.397 |
| 2 | 01:44:35 | 89% | -0.085 | 92.060 | 0.000 | 14810.000 | 2995.000 | 2866.000 | 2873.000 | 0.343 |
| 3 | 01:45:43 | 91% | -0.115 | 80.670 | 0.000 | 14570.000 | 2936.000 | 2808.000 | 2798.000 | 0.340 |
| x | | 90% | -0.112 | 86.560 | 0.000 | 14640.000 | 2942.000 | 2818.000 | 2830.000 | 0.360 |
| σ | | 1% | 0.025 | 5.703 | 0.000 | 143.200 | 50.880 | 44.150 | 39.000 | 0.032 |
| %RSD | | 1 | 22.020 | 6.588 | 0.000 | 0.978 | 1.730 | 1.567 | 1.378 | 8.985 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:43:27 | 1095.000 | 0.148 | 0.000 | 0.000 | 214.600 | 8283.000 | 8707.000 | 90% | -0.895 |
| 2 | 01:44:35 | 1091.000 | 4.464 | 0.000 | 0.000 | 220.100 | 8470.000 | 8880.000 | 89% | -0.767 |
| 3 | 01:45:43 | 1081.000 | -0.194 | 0.000 | 0.000 | 219.400 | 8269.000 | 8925.000 | 89% | -0.607 |
| x | | 1089.000 | 1.473 | 0.000 | 0.000 | 218.100 | 8340.000 | 8838.000 | 89% | -0.756 |
| σ | | 7.177 | 2.596 | 0.000 | 0.000 | 2.991 | 112.200 | 114.900 | 1% | 0.145 |
| %RSD | | 0.659 | 176.300 | 0.000 | 0.000 | 1.372 | 1.346 | 1.300 | 1 | 19.120 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:43:27 | 2.352 | 0.124 | 33.610 | 4.195 | -0.074 | 1.583 | 32.360 | -0.038 | -0.054 |
| 2 | 01:44:35 | 2.301 | 0.127 | 32.740 | 6.851 | -0.041 | 1.850 | 36.880 | -0.043 | 0.056 |
| 3 | 01:45:43 | 3.220 | 0.064 | 30.710 | 5.374 | -0.011 | 2.642 | 38.260 | -0.047 | -0.027 |
| x | | 2.624 | 0.105 | 32.350 | 5.474 | -0.042 | 2.025 | 35.830 | -0.043 | -0.008 |
| σ | | 0.516 | 0.036 | 1.485 | 1.331 | 0.032 | 0.551 | 3.088 | 0.004 | 0.057 |
| %RSD | | 19.670 | 33.740 | 4.589 | 24.310 | 75.010 | 27.210 | 8.617 | 10.430 | 713.000 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:43:27 | -0.041 | 0.020 | -0.030 | 0.239 | 0.433 | 0.210 | -0.530 | 0.434 | -1.914 |
| 2 | 01:44:35 | 0.044 | 0.043 | -0.183 | 0.351 | 0.480 | 0.152 | -0.385 | 0.481 | 1.053 |
| 3 | 01:45:43 | -0.068 | -0.012 | 0.145 | 0.475 | 0.227 | 0.168 | -0.295 | 0.227 | 1.616 |
| x | | -0.021 | 0.017 | -0.023 | 0.355 | 0.380 | 0.177 | -0.403 | 0.380 | 0.252 |
| σ | | 0.059 | 0.028 | 0.164 | 0.118 | 0.135 | 0.030 | 0.119 | 0.135 | 1.897 |
| %RSD | | 273.100 | 165.300 | 716.800 | 33.280 | 35.460 | 16.950 | 29.440 | 35.510 | 753.300 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:43:27 | 0.006 | 0.056 | 0.005 | -0.025 | 0.013 | -0.001 | 87% | -0.052 | -0.024 |
| 2 | 01:44:35 | -0.015 | 0.052 | 0.071 | 0.093 | 0.030 | -0.001 | 86% | 0.904 | -0.026 |
| 3 | 01:45:43 | -0.021 | 0.088 | 0.023 | 0.050 | 0.042 | -0.001 | 87% | 0.257 | -0.023 |
| x | | -0.010 | 0.066 | 0.033 | 0.039 | 0.028 | -0.001 | 87% | 0.370 | -0.024 |
| σ | | 0.014 | 0.020 | 0.034 | 0.060 | 0.015 | 0.000 | 1% | 0.488 | 0.002 |
| %RSD | | 143.100 | 30.260 | 103.300 | 152.800 | 51.280 | 0.000 | 1 | 132.000 | 7.037 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:43:27 | -0.018 | -0.055 | -0.027 | -0.074 | -0.060 | -0.045 | 1.848 | 1.757 | 88% |
| 2 | 01:44:35 | -0.546 | 0.905 | -0.018 | -0.008 | -0.054 | -0.054 | 1.631 | 1.896 | 87% |
| 3 | 01:45:43 | -0.134 | 0.256 | -0.021 | -0.054 | -0.071 | -0.061 | 1.845 | 1.780 | 87% |
| x | | -0.233 | 0.369 | -0.022 | -0.045 | -0.062 | -0.054 | 1.775 | 1.811 | 87% |
| σ | | 0.278 | 0.490 | 0.004 | 0.034 | 0.008 | 0.008 | 0.124 | 0.075 | 1% |
| %RSD | | 119.400 | 132.900 | 20.560 | 74.720 | 13.450 | 14.870 | 6.998 | 4.117 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:43:27 | 89% | -0.062 | -0.051 | -0.080 | -0.065 | -0.073 | 89% | 0.350 |
| 2 | 01:44:35 | 87% | -0.058 | -0.049 | -0.081 | -0.073 | -0.077 | 87% | 0.361 |
| 3 | 01:45:43 | 87% | -0.053 | -0.046 | -0.074 | -0.055 | -0.071 | 88% | 0.350 |
| x | | 88% | -0.058 | -0.049 | -0.079 | -0.064 | -0.074 | 88% | 0.354 |
| σ | | 1% | 0.004 | 0.003 | 0.004 | 0.009 | 0.003 | 1% | 0.007 |
| %RSD | | 1 | 7.760 | 5.185 | 4.515 | 14.420 | 3.765 | 1 | 1.859 |

**C1881-17X25 MF3TB7** 05/02/2011 01:50:19 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:51:27 | 90% | -0.124 | 76.930 | 0.000 | 12150.000 | 2583.000 | 2448.000 | 2470.000 | 0.023 |
| 2 | 01:52:36 | 90% | -0.134 | 73.980 | 0.000 | 12010.000 | 2561.000 | 2410.000 | 2442.000 | 0.056 |
| 3 | 01:53:44 | 90% | -0.153 | 69.420 | 0.000 | 12090.000 | 2560.000 | 2420.000 | 2446.000 | -0.116 |
| x | | 90% | -0.137 | 73.440 | 0.000 | 12080.000 | 2568.000 | 2426.000 | 2453.000 | -0.012 |
| σ | | 0% | 0.015 | 3.780 | 0.000 | 70.180 | 13.150 | 19.490 | 15.390 | 0.091 |
| %RSD | | 0 | 10.600 | 5.146 | 0.000 | 0.581 | 0.512 | 0.803 | 0.627 | 732.300 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:51:27 | 1361.000 | 4.403 | 0.000 | 0.000 | 249.400 | 6045.000 | 6470.000 | 87% | -0.694 |
| 2 | 01:52:36 | 1350.000 | 4.207 | 0.000 | 0.000 | 239.800 | 5869.000 | 6256.000 | 89% | -0.892 |
| 3 | 01:53:44 | 1376.000 | 2.151 | 0.000 | 0.000 | 241.200 | 6155.000 | 6234.000 | 88% | -0.667 |
| x | | 1362.000 | 3.587 | 0.000 | 0.000 | 243.500 | 6023.000 | 6320.000 | 88% | -0.751 |
| σ | | 13.340 | 1.247 | 0.000 | 0.000 | 5.167 | 144.100 | 130.800 | 1% | 0.123 |
| %RSD | | 0.979 | 34.760 | 0.000 | 0.000 | 2.122 | 2.393 | 2.069 | 1 | 16.310 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:51:27 | 3.457 | 0.816 | 25.520 | 3.126 | -0.035 | 1.058 | 25.560 | 0.020 | 0.012 |
| 2 | 01:52:36 | 3.721 | 0.755 | 24.270 | 3.359 | -0.084 | -0.059 | 23.240 | -0.003 | 0.017 |
| 3 | 01:53:44 | 3.089 | 0.714 | 24.420 | 1.201 | -0.076 | 0.476 | 23.760 | 0.019 | 0.009 |
| x | | 3.422 | 0.762 | 24.740 | 2.562 | -0.065 | 0.492 | 24.180 | 0.012 | 0.012 |
| σ | | 0.318 | 0.052 | 0.684 | 1.184 | 0.026 | 0.559 | 1.219 | 0.013 | 0.004 |
| %RSD | | 9.282 | 6.784 | 2.763 | 46.220 | 40.160 | 113.600 | 5.042 | 106.500 | 31.270 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:51:27 | -0.107 | -0.071 | 0.533 | 0.550 | 0.319 | 0.136 | 0.102 | 0.319 | -0.627 |
| 2 | 01:52:36 | -0.066 | -0.052 | 0.410 | 0.173 | -0.236 | 0.176 | -0.233 | -0.237 | -0.110 |
| 3 | 01:53:44 | -0.102 | -0.072 | 0.548 | 0.615 | 0.400 | 0.104 | -0.628 | 0.401 | -1.051 |
| x | | -0.092 | -0.065 | 0.497 | 0.446 | 0.161 | 0.139 | -0.253 | 0.161 | -0.596 |
| σ | | 0.022 | 0.011 | 0.075 | 0.239 | 0.346 | 0.036 | 0.365 | 0.347 | 0.472 |
| %RSD | | 24.320 | 17.420 | 15.160 | 53.490 | 215.400 | 25.940 | 144.300 | 215.400 | 79.140 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:51:27 | -0.031 | -0.022 | 0.012 | -0.015 | -0.011 | -0.001 | 84% | -0.121 | -0.023 |
| 2 | 01:52:36 | -0.048 | -0.028 | 0.011 | 0.036 | -0.015 | 0.003 | 85% | 0.886 | -0.017 |
| 3 | 01:53:44 | -0.048 | -0.001 | -0.031 | -0.049 | -0.024 | 0.003 | 85% | 0.218 | -0.017 |
| x | | -0.042 | -0.017 | -0.003 | -0.010 | -0.017 | 0.001 | 85% | 0.328 | -0.019 |
| σ | | 0.010 | 0.014 | 0.025 | 0.043 | 0.007 | 0.002 | 0% | 0.513 | 0.003 |
| %RSD | | 23.890 | 85.380 | 833.400 | 450.300 | 41.820 | 151.700 | 0 | 156.500 | 15.990 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:51:27 | 0.020 | -0.124 | -0.019 | -0.064 | -0.075 | -0.057 | 1.953 | 1.879 | 85% |
| 2 | 01:52:36 | -0.535 | 0.885 | -0.025 | -0.009 | -0.101 | -0.065 | 1.641 | 1.733 | 86% |
| 3 | 01:53:44 | -0.168 | 0.218 | -0.018 | -0.057 | -0.042 | -0.050 | 1.826 | 1.719 | 85% |
| x | | -0.228 | 0.327 | -0.021 | -0.043 | -0.073 | -0.057 | 1.806 | 1.777 | 86% |
| σ | | 0.282 | 0.513 | 0.004 | 0.030 | 0.030 | 0.007 | 0.157 | 0.088 | 1% |
| %RSD | | 123.900 | 157.100 | 18.340 | 68.570 | 40.660 | 12.810 | 8.683 | 4.959 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:51:27 | 85% | -0.052 | -0.051 | -0.073 | -0.067 | -0.071 | 86% | 0.331 |
| 2 | 01:52:36 | 87% | -0.053 | -0.049 | -0.062 | -0.063 | -0.065 | 87% | 0.321 |
| 3 | 01:53:44 | 86% | -0.057 | -0.050 | -0.064 | -0.076 | -0.071 | 88% | 0.315 |
| x | | 86% | -0.054 | -0.050 | -0.066 | -0.068 | -0.069 | 87% | 0.322 |
| σ | | 1% | 0.002 | 0.001 | 0.006 | 0.007 | 0.003 | 1% | 0.008 |
| %RSD | | 1 | 4.557 | 1.041 | 8.556 | 9.750 | 4.790 | 1 | 2.452 |

**C1881-18X25 MF3TD9** 05/02/2011 01:58:20 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:59:28 | 88% | -0.133 | 64.850 | 0.000 | 11100.000 | 1743.000 | 1657.000 | 1677.000 | 0.192 |
| 2 | 02:00:37 | 88% | -0.153 | 65.580 | 0.000 | 11090.000 | 1769.000 | 1672.000 | 1692.000 | 0.066 |
| 3 | 02:01:45 | 85% | -0.122 | 63.380 | 0.000 | 11750.000 | 1866.000 | 1757.000 | 1798.000 | 0.439 |
| x | | 87% | -0.136 | 64.600 | 0.000 | 11310.000 | 1793.000 | 1695.000 | 1722.000 | 0.232 |
| σ | | 1% | 0.015 | 1.119 | 0.000 | 383.200 | 64.720 | 53.830 | 65.630 | 0.190 |
| %RSD | | 2 | 11.320 | 1.733 | 0.000 | 3.387 | 3.610 | 3.175 | 3.811 | 81.820 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:59:28 | 1049.000 | 3.887 | 0.000 | 0.000 | 201.500 | 5760.000 | 6085.000 | 87% | -0.887 |
| 2 | 02:00:37 | 1052.000 | 3.142 | 0.000 | 0.000 | 206.300 | 5783.000 | 6163.000 | 86% | -0.854 |
| 3 | 02:01:45 | 1115.000 | 5.832 | 0.000 | 0.000 | 223.000 | 6076.000 | 6399.000 | 85% | -1.081 |
| x | | 1072.000 | 4.287 | 0.000 | 0.000 | 210.300 | 5873.000 | 6215.000 | 86% | -0.941 |
| σ | | 36.890 | 1.389 | 0.000 | 0.000 | 11.310 | 176.200 | 164.000 | 1% | 0.123 |
| %RSD | | 3.441 | 32.400 | 0.000 | 0.000 | 5.379 | 3.001 | 2.638 | 1 | 13.090 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:59:28 | 1.959 | 0.010 | 20.660 | 2.816 | -0.015 | 0.319 | 24.770 | -0.047 | -0.038 |
| 2 | 02:00:37 | 2.141 | 0.092 | 20.130 | 3.974 | -0.022 | 0.875 | 22.720 | -0.040 | -0.012 |
| 3 | 02:01:45 | 2.221 | 0.087 | 20.700 | 1.015 | -0.018 | 0.236 | 22.170 | -0.040 | -0.044 |
| x | | 2.107 | 0.063 | 20.500 | 2.602 | -0.018 | 0.477 | 23.220 | -0.042 | -0.032 |
| σ | | 0.134 | 0.046 | 0.317 | 1.491 | 0.004 | 0.348 | 1.372 | 0.004 | 0.017 |
| %RSD | | 6.367 | 73.400 | 1.546 | 57.320 | 20.390 | 72.910 | 5.907 | 9.848 | 53.690 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:59:28 | -0.015 | -0.021 | 0.111 | 0.526 | 0.578 | 0.127 | 0.381 | 0.579 | 0.702 |
| 2 | 02:00:37 | -0.028 | -0.007 | 0.239 | -0.106 | -0.456 | 0.216 | -0.004 | -0.456 | 4.276 |
| 3 | 02:01:45 | -0.056 | -0.018 | 0.214 | 0.309 | 0.631 | 0.142 | 0.397 | 0.632 | 0.912 |
| x | | -0.033 | -0.015 | 0.188 | 0.243 | 0.251 | 0.161 | 0.258 | 0.252 | 1.964 |
| σ | | 0.021 | 0.008 | 0.068 | 0.321 | 0.613 | 0.048 | 0.227 | 0.613 | 2.005 |
| %RSD | | 62.930 | 49.960 | 36.320 | 132.100 | 244.000 | 29.640 | 87.990 | 243.800 | 102.100 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:59:28 | 0.027 | 0.027 | 0.050 | 0.123 | 0.075 | -0.001 | 84% | 1.622 | -0.024 |
| 2 | 02:00:37 | 0.015 | 0.049 | 0.045 | 0.046 | 0.055 | 0.003 | 84% | 0.860 | -0.021 |
| 3 | 02:01:45 | -0.018 | 0.051 | 0.042 | 0.109 | 0.040 | 0.003 | 83% | 0.507 | -0.024 |
| x | | 0.008 | 0.042 | 0.046 | 0.093 | 0.057 | 0.001 | 84% | 0.996 | -0.023 |
| σ | | 0.023 | 0.013 | 0.004 | 0.041 | 0.017 | 0.002 | 1% | 0.570 | 0.002 |
| %RSD | | 287.400 | 31.030 | 8.469 | 44.580 | 30.480 | 149.600 | 1 | 57.220 | 8.806 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:59:28 | -0.885 | 1.623 | -0.018 | 0.023 | -0.078 | -0.043 | 1.042 | 1.155 | 85% |
| 2 | 02:00:37 | -0.519 | 0.856 | -0.027 | -0.018 | -0.067 | -0.050 | 0.773 | 1.158 | 87% |
| 3 | 02:01:45 | -0.325 | 0.502 | -0.021 | -0.040 | -0.040 | -0.055 | 1.073 | 1.147 | 85% |
| x | | -0.576 | 0.994 | -0.022 | -0.012 | -0.061 | -0.049 | 0.963 | 1.153 | 86% |
| σ | | 0.284 | 0.573 | 0.005 | 0.032 | 0.019 | 0.006 | 0.165 | 0.006 | 1% |
| %RSD | | 49.370 | 57.700 | 21.130 | 268.400 | 31.590 | 12.880 | 17.160 | 0.500 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 01:59:28 | 86% | -0.053 | -0.044 | -0.063 | -0.062 | -0.062 | 87% | 0.215 |
| 2 | 02:00:37 | 87% | -0.048 | -0.047 | -0.049 | -0.058 | -0.055 | 88% | 0.229 |
| 3 | 02:01:45 | 86% | -0.054 | -0.045 | -0.056 | -0.058 | -0.058 | 86% | 0.239 |
| x | | 86% | -0.052 | -0.045 | -0.056 | -0.059 | -0.058 | 87% | 0.228 |
| σ | | 1% | 0.003 | 0.001 | 0.007 | 0.002 | 0.004 | 1% | 0.012 |
| %RSD | | 1 | 6.270 | 3.114 | 12.360 | 3.525 | 6.053 | 1 | 5.267 |

**C1881-19X25 MF3TA2** 05/02/2011 02:06:22 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:07:30 | 89% | -0.105 | 67.720 | 0.000 | 11320.000 | 2306.000 | 2162.000 | 2186.000 | -0.096 |
| 2 | 02:08:38 | 90% | -0.153 | 61.390 | 0.000 | 10860.000 | 2199.000 | 2114.000 | 2119.000 | -0.160 |
| 3 | 02:09:46 | 87% | -0.123 | 65.230 | 0.000 | 11300.000 | 2306.000 | 2178.000 | 2163.000 | -0.185 |
| x | | 89% | -0.127 | 64.780 | 0.000 | 11160.000 | 2270.000 | 2152.000 | 2156.000 | -0.147 |
| σ | | 1% | 0.024 | 3.186 | 0.000 | 260.200 | 61.660 | 33.210 | 34.020 | 0.046 |
| %RSD | | 1 | 19.070 | 4.919 | 0.000 | 2.331 | 2.716 | 1.544 | 1.578 | 31.190 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:07:30 | 1178.000 | 1.891 | 0.000 | 0.000 | 213.200 | 6093.000 | 6468.000 | 87% | -0.695 |
| 2 | 02:08:38 | 1177.000 | 3.207 | 0.000 | 0.000 | 201.500 | 5939.000 | 6209.000 | 89% | -0.671 |
| 3 | 02:09:46 | 1201.000 | 2.998 | 0.000 | 0.000 | 214.800 | 5972.000 | 6289.000 | 88% | -0.666 |
| x | | 1186.000 | 2.699 | 0.000 | 0.000 | 209.900 | 6001.000 | 6322.000 | 88% | -0.677 |
| σ | | 13.590 | 0.707 | 0.000 | 0.000 | 7.282 | 80.910 | 132.700 | 1% | 0.016 |
| %RSD | | 1.147 | 26.210 | 0.000 | 0.000 | 3.470 | 1.348 | 2.100 | 1 | 2.340 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:07:30 | 2.741 | 1.258 | 16.920 | 1.550 | -0.085 | -0.712 | 24.280 | -0.044 | -0.023 |
| 2 | 02:08:38 | 3.490 | 1.382 | 14.890 | 0.306 | -0.066 | -1.763 | 19.160 | -0.055 | 0.022 |
| 3 | 02:09:46 | 3.637 | 1.435 | 14.980 | 1.365 | -0.046 | -0.321 | 22.310 | -0.046 | -0.032 |
| x | | 3.289 | 1.359 | 15.600 | 1.073 | -0.066 | -0.932 | 21.920 | -0.048 | -0.011 |
| σ | | 0.480 | 0.091 | 1.149 | 0.671 | 0.020 | 0.746 | 2.581 | 0.006 | 0.029 |
| %RSD | | 14.600 | 6.692 | 7.367 | 62.520 | 30.080 | 80.040 | 11.780 | 11.860 | 263.700 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:07:30 | 0.019 | 0.005 | 0.347 | 0.535 | 0.188 | 0.073 | -0.632 | 0.188 | 2.816 |
| 2 | 02:08:38 | -0.026 | -0.006 | 0.247 | 0.357 | -0.150 | 0.117 | -0.356 | -0.150 | 3.734 |
| 3 | 02:09:46 | -0.032 | 0.011 | 0.290 | 0.229 | 0.188 | 0.127 | -0.509 | 0.189 | 0.248 |
| x | | -0.013 | 0.003 | 0.295 | 0.373 | 0.076 | 0.106 | -0.499 | 0.076 | 2.266 |
| σ | | 0.028 | 0.009 | 0.050 | 0.154 | 0.195 | 0.028 | 0.139 | 0.195 | 1.807 |
| %RSD | | 218.200 | 262.200 | 16.890 | 41.130 | 258.500 | 26.860 | 27.780 | 258.100 | 79.740 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:07:30 | -0.048 | 0.048 | 0.025 | -0.007 | 0.011 | 0.007 | 85% | -0.993 | -0.019 |
| 2 | 02:08:38 | -0.033 | 0.045 | 0.027 | 0.066 | 0.051 | 0.003 | 87% | 0.073 | -0.030 |
| 3 | 02:09:46 | -0.031 | 0.021 | 0.011 | 0.027 | 0.021 | 0.007 | 85% | 0.138 | -0.026 |
| x | | -0.037 | 0.038 | 0.021 | 0.029 | 0.028 | 0.005 | 86% | -0.261 | -0.025 |
| σ | | 0.009 | 0.015 | 0.009 | 0.036 | 0.021 | 0.002 | 1% | 0.635 | 0.005 |
| %RSD | | 25.230 | 38.850 | 41.840 | 126.600 | 73.620 | 43.170 | 2 | 243.800 | 21.660 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:07:30 | 0.502 | -0.999 | -0.018 | -0.125 | -0.054 | -0.052 | 0.942 | 1.015 | 87% |
| 2 | 02:08:38 | 0.022 | 0.072 | -0.027 | -0.071 | -0.089 | -0.063 | 1.109 | 1.004 | 88% |
| 3 | 02:09:46 | -0.065 | 0.134 | -0.025 | -0.055 | -0.074 | -0.072 | 1.174 | 1.035 | 87% |
| x | | 0.153 | -0.264 | -0.023 | -0.083 | -0.072 | -0.062 | 1.075 | 1.018 | 87% |
| σ | | 0.305 | 0.637 | 0.005 | 0.037 | 0.018 | 0.010 | 0.120 | 0.016 | 1% |
| %RSD | | 199.500 | 240.900 | 20.700 | 43.730 | 24.290 | 16.020 | 11.150 | 1.547 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:07:30 | 88% | -0.058 | -0.048 | -0.072 | -0.065 | -0.065 | 88% | 0.275 |
| 2 | 02:08:38 | 89% | -0.055 | -0.050 | -0.068 | -0.069 | -0.067 | 89% | 0.266 |
| 3 | 02:09:46 | 87% | -0.057 | -0.049 | -0.063 | -0.063 | -0.062 | 88% | 0.262 |
| x | | 88% | -0.057 | -0.049 | -0.068 | -0.066 | -0.065 | 89% | 0.267 |
| σ | | 1% | 0.002 | 0.001 | 0.005 | 0.003 | 0.002 | 1% | 0.007 |
| %RSD | | 1 | 2.996 | 1.962 | 7.292 | 4.654 | 3.536 | 1 | 2.574 |

**C1881-20X25 MF3TC3** 05/02/2011 02:14:23 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:15:31 | 91% | -0.106 | 49.150 | 0.000 | 11830.000 | 3077.000 | 2920.000 | 2951.000 | -0.076 |
| 2 | 02:16:39 | 88% | -0.123 | 54.290 | 0.000 | 12760.000 | 3307.000 | 3132.000 | 3194.000 | -0.123 |
| 3 | 02:17:47 | 93% | -0.125 | 54.180 | 0.000 | 11980.000 | 3114.000 | 2968.000 | 2975.000 | -0.136 |
| x | | 90% | -0.118 | 52.540 | 0.000 | 12190.000 | 3166.000 | 3006.000 | 3040.000 | -0.111 |
| σ | | 3% | 0.011 | 2.935 | 0.000 | 501.800 | 123.900 | 111.100 | 133.700 | 0.031 |
| %RSD | | 3 | 9.051 | 5.587 | 0.000 | 4.116 | 3.912 | 3.694 | 4.399 | 28.210 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:15:31 | 988.200 | 2.646 | 0.000 | 0.000 | 320.400 | 10590.000 | 11390.000 | 89% | -0.893 |
| 2 | 02:16:39 | 1074.000 | -0.109 | 0.000 | 0.000 | 358.100 | 11480.000 | 12150.000 | 86% | -0.787 |
| 3 | 02:17:47 | 1010.000 | 4.021 | 0.000 | 0.000 | 335.100 | 11050.000 | 11660.000 | 89% | -0.704 |
| x | | 1024.000 | 2.186 | 0.000 | 0.000 | 337.900 | 11040.000 | 11730.000 | 88% | -0.794 |
| σ | | 44.740 | 2.103 | 0.000 | 0.000 | 19.040 | 441.700 | 386.200 | 2% | 0.095 |
| %RSD | | 4.369 | 96.190 | 0.000 | 0.000 | 5.634 | 4.001 | 3.291 | 2 | 11.920 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:15:31 | 3.498 | 0.912 | 11.900 | 0.877 | -0.071 | -0.985 | 41.670 | -0.028 | -0.010 |
| 2 | 02:16:39 | 2.060 | 1.075 | 15.040 | 1.525 | -0.079 | 0.530 | 47.300 | -0.034 | 0.074 |
| 3 | 02:17:47 | 3.073 | 0.985 | 12.060 | 0.721 | -0.075 | -0.676 | 50.120 | 0.007 | -0.052 |
| x | | 2.877 | 0.991 | 13.000 | 1.041 | -0.075 | -0.377 | 46.360 | -0.018 | 0.004 |
| σ | | 0.739 | 0.082 | 1.770 | 0.426 | 0.004 | 0.800 | 4.298 | 0.022 | 0.064 |
| %RSD | | 25.670 | 8.267 | 13.620 | 40.920 | 5.157 | 212.600 | 9.271 | 118.900 | 1624.000 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:15:31 | -0.061 | -0.067 | -0.298 | 0.339 | 0.059 | 0.090 | 0.106 | 0.059 | 2.950 |
| 2 | 02:16:39 | -0.072 | -0.048 | -0.197 | 0.329 | 0.666 | 0.110 | -0.183 | 0.666 | -0.250 |
| 3 | 02:17:47 | -0.121 | -0.081 | -0.291 | 0.040 | -0.276 | 0.129 | -0.341 | -0.276 | 3.794 |
| x | | -0.085 | -0.066 | -0.262 | 0.236 | 0.150 | 0.110 | -0.139 | 0.150 | 2.165 |
| σ | | 0.032 | 0.016 | 0.056 | 0.169 | 0.477 | 0.019 | 0.227 | 0.477 | 2.133 |
| %RSD | | 37.810 | 25.040 | 21.500 | 71.850 | 318.500 | 17.750 | 162.800 | 318.500 | 98.540 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:15:31 | -0.038 | -0.007 | -0.036 | 0.009 | 0.004 | 0.018 | 86% | -0.288 | -0.021 |
| 2 | 02:16:39 | -0.048 | -0.005 | -0.026 | -0.040 | -0.001 | 0.003 | 84% | -0.275 | -0.026 |
| 3 | 02:17:47 | -0.066 | -0.033 | -0.014 | 0.008 | -0.009 | -0.001 | 87% | 0.181 | -0.026 |
| x | | -0.050 | -0.015 | -0.025 | -0.008 | -0.002 | 0.006 | 86% | -0.127 | -0.024 |
| σ | | 0.014 | 0.016 | 0.011 | 0.028 | 0.007 | 0.010 | 1% | 0.267 | 0.003 |
| %RSD | | 28.410 | 104.800 | 45.050 | 367.200 | 350.400 | 153.800 | 1 | 210.100 | 12.420 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:15:31 | 0.168 | -0.290 | -0.025 | -0.087 | -0.086 | -0.061 | 0.551 | 0.828 | 87% |
| 2 | 02:16:39 | 0.162 | -0.279 | -0.025 | -0.094 | -0.089 | -0.067 | 0.727 | 0.760 | 86% |
| 3 | 02:17:47 | -0.147 | 0.179 | -0.023 | -0.053 | -0.082 | -0.060 | 0.631 | 0.690 | 88% |
| x | | 0.061 | -0.130 | -0.024 | -0.078 | -0.085 | -0.062 | 0.636 | 0.759 | 87% |
| σ | | 0.180 | 0.267 | 0.001 | 0.022 | 0.004 | 0.004 | 0.088 | 0.069 | 1% |
| %RSD | | 294.200 | 205.600 | 4.133 | 28.450 | 4.261 | 5.768 | 13.860 | 9.098 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:15:31 | 87% | -0.045 | -0.040 | -0.082 | -0.078 | -0.081 | 88% | 0.612 |
| 2 | 02:16:39 | 86% | -0.049 | -0.046 | -0.081 | -0.083 | -0.083 | 87% | 0.654 |
| 3 | 02:17:47 | 89% | -0.051 | -0.047 | -0.078 | -0.079 | -0.080 | 89% | 0.604 |
| x | | 87% | -0.049 | -0.045 | -0.080 | -0.080 | -0.081 | 88% | 0.623 |
| σ | | 2% | 0.003 | 0.004 | 0.002 | 0.002 | 0.001 | 1% | 0.027 |
| %RSD | | 2 | 6.612 | 7.985 | 2.614 | 2.881 | 1.675 | 1 | 4.316 |

**CCV** 05/02/2011 02:22:23 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:23:31 | 79% | 512.100 | 509.900 | 0.000 | 51150.000 | 51140.000 | 50310.000 | 50260.000 | 10120.000 |
| 2 | 02:24:39 | 79% | 525.200 | 527.100 | 0.000 | 51720.000 | 51810.000 | 51050.000 | 50360.000 | 10280.000 |
| 3 | 02:25:47 | 80% | 530.100 | 547.200 | 0.000 | 53060.000 | 52790.000 | 52430.000 | 52360.000 | 10710.000 |
| x | | 79% | 522.500 | 528.100 | 0.000 | 51980.000 | 51910.000 | 51260.000 | 50990.000 | 10370.000 |
| σ | | 1% | 9.318 | 18.640 | 0.000 | 978.800 | 830.900 | 1076.000 | 1183.000 | 304.000 |
| %RSD | | 1 | 1.783 | 3.529 | 0.000 | 1.883 | 1.601 | 2.100 | 2.320 | 2.932 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:23:31 | 526.200 | 10080.000 | 0.000 | 0.000 | 25450.000 | 49580.000 | 48030.000 | 79% | 479.700 |
| 2 | 02:24:39 | 529.800 | 10230.000 | 0.000 | 0.000 | 25560.000 | 50360.000 | 47970.000 | 78% | 499.200 |
| 3 | 02:25:47 | 563.000 | 10590.000 | 0.000 | 0.000 | 26660.000 | 53690.000 | 50210.000 | 77% | 513.700 |
| x | | 539.600 | 10300.000 | 0.000 | 0.000 | 25890.000 | 51210.000 | 48730.000 | 78% | 497.500 |
| σ | | 20.280 | 262.800 | 0.000 | 0.000 | 668.000 | 2184.000 | 1277.000 | 1% | 17.040 |
| %RSD | | 3.757 | 2.552 | 0.000 | 0.000 | 2.580 | 4.265 | 2.620 | 2 | 3.425 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:23:31 | 482.600 | 481.400 | 12.810 | 24750.000 | 964.400 | 24970.000 | 24970.000 | 488.600 | 486.900 |
| 2 | 02:24:39 | 493.600 | 491.100 | 14.290 | 25300.000 | 989.300 | 25010.000 | 25330.000 | 493.400 | 504.600 |
| 3 | 02:25:47 | 511.400 | 515.000 | 20.690 | 26870.000 | 1030.000 | 26210.000 | 26390.000 | 514.600 | 529.800 |
| x | | 495.800 | 495.800 | 15.930 | 25640.000 | 994.400 | 25390.000 | 25560.000 | 498.800 | 507.100 |
| σ | | 14.540 | 17.300 | 4.191 | 1097.000 | 32.950 | 702.800 | 735.900 | 13.840 | 21.560 |
| %RSD | | 2.932 | 3.489 | 26.310 | 4.278 | 3.314 | 2.768 | 2.879 | 2.774 | 4.252 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:23:31 | 977.800 | 982.900 | 946.900 | 479.700 | 480.000 | -0.538 | 488.200 | 481.200 | 5.641 |
| 2 | 02:24:39 | 991.500 | 981.600 | 952.400 | 489.900 | 488.500 | -1.210 | 494.700 | 489.400 | -0.340 |
| 3 | 02:25:47 | 1031.000 | 1041.000 | 1006.000 | 513.000 | 511.200 | -1.706 | 508.700 | 512.300 | 2.081 |
| x | | 1000.000 | 1002.000 | 968.400 | 494.200 | 493.200 | -1.152 | 497.200 | 494.300 | 2.461 |
| σ | | 27.420 | 34.220 | 32.710 | 17.060 | 16.140 | 0.586 | 10.490 | 16.150 | 3.009 |
| %RSD | | 2.742 | 3.415 | 3.378 | 3.451 | 3.273 | 50.910 | 2.110 | 3.267 | 122.300 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:23:31 | 337.500 | 480.300 | 463.000 | 479.400 | 481.000 | 0.007 | 76% | 444.300 | 489.800 |
| 2 | 02:24:39 | 334.300 | 483.700 | 464.400 | 479.900 | 488.300 | 0.003 | 75% | 445.700 | 490.500 |
| 3 | 02:25:47 | 360.000 | 516.300 | 493.600 | 504.800 | 514.200 | 0.021 | 74% | 459.900 | 518.600 |
| x | | 343.900 | 493.400 | 473.700 | 488.100 | 494.500 | 0.011 | 75% | 450.000 | 499.600 |
| σ | | 13.970 | 19.890 | 17.320 | 14.490 | 17.460 | 0.009 | 1% | 8.619 | 16.430 |
| %RSD | | 4.061 | 4.030 | 3.656 | 2.969 | 3.531 | 87.590 | 1 | 1.916 | 3.288 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:23:31 | 10.280 | 444.500 | 485.900 | 474.100 | 417.000 | 475.700 | 2424.000 | 2437.000 | 81% |
| 2 | 02:24:39 | 4.706 | 445.900 | 490.300 | 478.800 | 422.200 | 481.500 | 2471.000 | 2443.000 | 80% |
| 3 | 02:25:47 | 15.510 | 460.200 | 515.200 | 500.600 | 442.000 | 506.100 | 2580.000 | 2568.000 | 78% |
| x | | 10.170 | 450.200 | 497.100 | 484.500 | 427.100 | 487.800 | 2492.000 | 2483.000 | 80% |
| σ | | 5.402 | 8.710 | 15.780 | 14.130 | 13.180 | 16.170 | 79.880 | 73.960 | 2% |
| %RSD | | 53.140 | 1.935 | 3.175 | 2.917 | 3.087 | 3.315 | 3.206 | 2.979 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:23:31 | 82% | 487.200 | 485.700 | 488.200 | 488.300 | 486.200 | 80% | 503.000 |
| 2 | 02:24:39 | 81% | 489.800 | 487.100 | 487.500 | 492.500 | 491.300 | 80% | 501.500 |
| 3 | 02:25:47 | 79% | 520.400 | 516.400 | 515.500 | 520.000 | 518.800 | 78% | 534.100 |
| x | | 81% | 499.100 | 496.400 | 497.000 | 500.300 | 498.700 | 79% | 512.900 |
| σ | | 1% | 18.450 | 17.310 | 15.960 | 17.260 | 17.530 | 1% | 18.420 |
| %RSD | | 2 | 3.697 | 3.487 | 3.211 | 3.451 | 3.515 | 2 | 3.592 |

**CCB** 05/02/2011 02:30:21 AM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:31:30 | 81% | 0.539 | 12.920 | 0.000 | 108.600 | 55.610 | 55.170 | 56.270 | 10.180 |
| 2 | 02:32:38 | 85% | 0.393 | 9.958 | 0.000 | 74.970 | 42.550 | 42.840 | 43.500 | 8.022 |
| 3 | 02:33:46 | 82% | 0.389 | 9.683 | 0.000 | 66.010 | 36.900 | 36.890 | 35.970 | 7.432 |
| x | | 83% | 0.440 | 10.850 | 0.000 | 83.210 | 45.020 | 44.960 | 45.250 | 8.545 |
| σ | | 2% | 0.086 | 1.792 | 0.000 | 22.470 | 9.596 | 9.324 | 10.260 | 1.447 |
| %RSD | | 3 | 19.470 | 16.510 | 0.000 | 27.010 | 21.320 | 20.740 | 22.680 | 16.930 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:31:30 | 2.231 | 25.290 | 0.000 | 0.000 | 12.800 | 65.010 | -1.442 | 78% | 0.070 |
| 2 | 02:32:38 | 1.744 | 12.620 | 0.000 | 0.000 | -3.159 | 44.590 | -13.510 | 79% | -0.124 |
| 3 | 02:33:46 | 1.195 | 18.230 | 0.000 | 0.000 | -9.103 | 40.570 | -18.660 | 80% | 0.214 |
| x | | 1.723 | 18.710 | 0.000 | 0.000 | 0.180 | 50.050 | -11.200 | 79% | 0.054 |
| σ | | 0.519 | 6.351 | 0.000 | 0.000 | 11.330 | 13.100 | 8.838 | 1% | 0.169 |
| %RSD | | 30.090 | 33.940 | 0.000 | 0.000 | 6291.000 | 26.180 | 78.880 | 1 | 316.200 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:31:30 | 0.051 | 0.523 | 11.130 | 25.450 | 0.945 | 21.030 | 32.970 | 0.494 | 0.423 |
| 2 | 02:32:38 | 0.838 | 0.420 | 8.538 | 21.760 | 0.789 | 15.720 | 23.990 | 0.402 | 0.172 |
| 3 | 02:33:46 | 0.440 | 0.366 | 7.517 | 18.090 | 0.710 | 13.910 | 20.830 | 0.319 | 0.168 |
| x | | 0.443 | 0.437 | 9.061 | 21.770 | 0.815 | 16.890 | 25.930 | 0.405 | 0.254 |
| σ | | 0.394 | 0.079 | 1.862 | 3.677 | 0.120 | 3.701 | 6.299 | 0.088 | 0.146 |
| %RSD | | 88.820 | 18.200 | 20.550 | 16.890 | 14.680 | 21.910 | 24.290 | 21.620 | 57.350 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:31:30 | 0.897 | 1.081 | 0.804 | 0.504 | 0.259 | 0.049 | 0.067 | 0.259 | 0.842 |
| 2 | 02:32:38 | 0.800 | 0.648 | 0.691 | 0.477 | 0.624 | 0.039 | 0.090 | 0.624 | 1.992 |
| 3 | 02:33:46 | 0.668 | 0.815 | 0.388 | 0.197 | -0.117 | 0.061 | -1.450 | -0.117 | 0.554 |
| x | | 0.788 | 0.848 | 0.628 | 0.392 | 0.255 | 0.049 | -0.431 | 0.255 | 1.129 |
| σ | | 0.115 | 0.218 | 0.215 | 0.170 | 0.370 | 0.011 | 0.882 | 0.370 | 0.761 |
| %RSD | | 14.560 | 25.710 | 34.230 | 43.350 | 145.100 | 22.300 | 204.700 | 145.100 | 67.360 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:31:30 | 0.659 | 1.219 | 1.241 | 1.365 | 1.174 | -0.001 | 77% | 2.718 | 0.706 |
| 2 | 02:32:38 | 0.582 | 0.896 | 0.802 | 0.902 | 0.913 | -0.001 | 79% | 1.905 | 0.430 |
| 3 | 02:33:46 | 0.317 | 0.732 | 0.735 | 0.736 | 0.783 | -0.001 | 79% | 1.021 | 0.342 |
| x | | 0.519 | 0.949 | 0.926 | 1.001 | 0.957 | -0.001 | 78% | 1.881 | 0.493 |
| σ | | 0.179 | 0.248 | 0.275 | 0.326 | 0.199 | 0.000 | 1% | 0.849 | 0.190 |
| %RSD | | 34.480 | 26.120 | 29.710 | 32.550 | 20.820 | 0.000 | 1 | 45.120 | 38.460 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:31:30 | -1.359 | 2.721 | 0.639 | 0.598 | 0.658 | 1.014 | 2.839 | 2.393 | 79% |
| 2 | 02:32:38 | -0.792 | 1.904 | 0.368 | 0.328 | 0.514 | 0.686 | 1.926 | 1.982 | 81% |
| 3 | 02:33:46 | -0.486 | 1.017 | 0.372 | 0.444 | 0.402 | 0.580 | 1.380 | 1.773 | 81% |
| x | | -0.879 | 1.881 | 0.460 | 0.457 | 0.524 | 0.760 | 2.048 | 2.049 | 80% |
| σ | | 0.443 | 0.852 | 0.156 | 0.136 | 0.128 | 0.226 | 0.737 | 0.315 | 2% |
| %RSD | | 50.400 | 45.320 | 33.830 | 29.690 | 24.480 | 29.780 | 35.970 | 15.390 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 02:31:30 | 79% | 0.682 | 0.665 | 0.521 | 0.574 | 0.516 | 81% | 0.461 |
| 2 | 02:32:38 | 81% | 0.416 | 0.443 | 0.388 | 0.367 | 0.374 | 83% | 0.381 |
| 3 | 02:33:46 | 82% | 0.277 | 0.309 | 0.306 | 0.249 | 0.285 | 83% | 0.325 |
| x | | 81% | 0.458 | 0.473 | 0.405 | 0.396 | 0.392 | 82% | 0.389 |
| σ | | 2% | 0.206 | 0.180 | 0.108 | 0.165 | 0.117 | 1% | 0.069 |
| %RSD | | 2 | 44.880 | 38.020 | 26.750 | 41.500 | 29.770 | 1 | 17.620 |

**CCV** 05/02/2011 04:09:25 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:10:32 | 75% | 516.800 | 501.100 | 0.000 | 50360.000 | 50310.000 | 50150.000 | 49740.000 | 9949.000 |
| 2 | 16:11:40 | 74% | 523.500 | 531.200 | 0.000 | 50980.000 | 51190.000 | 50240.000 | 50050.000 | 10080.000 |
| 3 | 16:12:48 | 73% | 532.300 | 525.800 | 0.000 | 51540.000 | 51350.000 | 51020.000 | 50470.000 | 10200.000 |
| x | | 74% | 524.200 | 519.400 | 0.000 | 50960.000 | 50950.000 | 50470.000 | 50080.000 | 10080.000 |
| σ | | 1% | 7.770 | 16.060 | 0.000 | 590.400 | 560.700 | 480.100 | 366.300 | 124.300 |
| %RSD | | 1 | 1.482 | 3.092 | 0.000 | 1.158 | 1.100 | 0.951 | 0.731 | 1.234 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:10:32 | 487.700 | 10050.000 | 0.000 | 0.000 | 25090.000 | 51950.000 | 49380.000 | 71% | 494.600 |
| 2 | 16:11:40 | 500.700 | 10250.000 | 0.000 | 0.000 | 25560.000 | 52140.000 | 49530.000 | 70% | 509.700 |
| 3 | 16:12:48 | 501.800 | 10320.000 | 0.000 | 0.000 | 25720.000 | 52190.000 | 49910.000 | 70% | 508.600 |
| x | | 496.700 | 10210.000 | 0.000 | 0.000 | 25450.000 | 52090.000 | 49610.000 | 70% | 504.300 |
| σ | | 7.814 | 142.300 | 0.000 | 0.000 | 327.600 | 127.100 | 274.200 | 1% | 8.425 |
| %RSD | | 1.573 | 1.395 | 0.000 | 0.000 | 1.287 | 0.244 | 0.553 | 1 | 1.671 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:10:32 | 496.400 | 493.800 | -8.195 | 25590.000 | 1001.000 | 25010.000 | 25230.000 | 495.100 | 496.700 |
| 2 | 16:11:40 | 504.700 | 501.800 | -8.950 | 25850.000 | 1010.000 | 25400.000 | 25370.000 | 499.500 | 503.500 |
| 3 | 16:12:48 | 507.300 | 496.800 | 0.206 | 26210.000 | 1014.000 | 25090.000 | 25280.000 | 505.200 | 506.400 |
| x | | 502.800 | 497.500 | -5.646 | 25880.000 | 1008.000 | 25160.000 | 25290.000 | 500.000 | 502.200 |
| σ | | 5.670 | 4.008 | 5.082 | 312.500 | 6.889 | 205.800 | 69.770 | 5.076 | 4.958 |
| %RSD | | 1.128 | 0.806 | 90.000 | 1.207 | 0.683 | 0.818 | 0.276 | 1.015 | 0.987 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:10:32 | 999.700 | 994.300 | 988.700 | 498.900 | 507.900 | -2.193 | 497.000 | 508.800 | 0.417 |
| 2 | 16:11:40 | 1008.000 | 1000.000 | 995.800 | 496.000 | 496.900 | -1.006 | 502.400 | 496.800 | 2.773 |
| 3 | 16:12:48 | 1001.000 | 1007.000 | 1005.000 | 494.900 | 511.800 | -1.157 | 503.300 | 511.300 | 2.767 |
| x | | 1003.000 | 1000.000 | 996.400 | 496.600 | 505.500 | -1.452 | 500.900 | 505.600 | 1.986 |
| σ | | 4.339 | 6.335 | 7.974 | 2.042 | 7.690 | 0.646 | 3.381 | 7.751 | 1.359 |
| %RSD | | 0.433 | 0.633 | 0.800 | 0.411 | 1.521 | 44.500 | 0.675 | 1.533 | 68.430 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:10:32 | 409.100 | 492.300 | 475.400 | 486.500 | 489.700 | 0.004 | 68% | 483.500 | 504.100 |
| 2 | 16:11:40 | 408.200 | 491.100 | 479.800 | 493.600 | 493.500 | 0.004 | 69% | 484.200 | 499.400 |
| 3 | 16:12:48 | 406.800 | 489.000 | 479.900 | 493.500 | 486.200 | 0.027 | 69% | 477.500 | 497.400 |
| x | | 408.000 | 490.800 | 478.400 | 491.200 | 489.800 | 0.011 | 69% | 481.700 | 500.300 |
| σ | | 1.163 | 1.674 | 2.545 | 4.045 | 3.670 | 0.014 | 0% | 3.679 | 3.410 |
| %RSD | | 0.285 | 0.341 | 0.532 | 0.823 | 0.749 | 118.200 | 1 | 0.764 | 0.682 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:10:32 | -1.929 | 483.000 | 505.500 | 498.000 | 431.800 | 499.800 | 2517.000 | 2503.000 | 76% |
| 2 | 16:11:40 | -7.204 | 484.100 | 499.600 | 492.900 | 432.600 | 497.100 | 2478.000 | 2489.000 | 75% |
| 3 | 16:12:48 | 0.051 | 477.200 | 495.400 | 487.800 | 422.700 | 488.700 | 2464.000 | 2478.000 | 76% |
| x | | -3.027 | 481.400 | 500.200 | 492.900 | 429.100 | 495.200 | 2486.000 | 2490.000 | 76% |
| σ | | 3.750 | 3.731 | 5.102 | 5.128 | 5.493 | 5.806 | 27.340 | 12.640 | 1% |
| %RSD | | 123.900 | 0.775 | 1.020 | 1.040 | 1.280 | 1.172 | 1.100 | 0.508 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:10:32 | 76% | 498.500 | 497.000 | 497.300 | 500.000 | 498.600 | 77% | 503.600 |
| 2 | 16:11:40 | 76% | 504.400 | 505.300 | 502.700 | 504.400 | 504.500 | 76% | 507.400 |
| 3 | 16:12:48 | 76% | 500.800 | 501.300 | 502.400 | 499.400 | 500.300 | 77% | 497.400 |
| x | | 76% | 501.300 | 501.200 | 500.800 | 501.300 | 501.100 | 77% | 502.800 |
| σ | | 0% | 2.970 | 4.128 | 3.059 | 2.762 | 3.030 | 0% | 5.064 |
| %RSD | | 0 | 0.592 | 0.824 | 0.611 | 0.551 | 0.605 | 0 | 1.007 |

**CCB** 05/02/2011 04:17:18 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:18:27 | 77% | 0.304 | 5.733 | 0.000 | 104.600 | 32.500 | 31.560 | 32.990 | 5.759 |
| 2 | 16:19:35 | 80% | 0.234 | 7.102 | 0.000 | 104.200 | 43.710 | 45.630 | 42.590 | 7.972 |
| 3 | 16:20:43 | 78% | 0.443 | 4.795 | 0.000 | 106.100 | 52.020 | 52.350 | 52.820 | 9.288 |
| x | | 79% | 0.327 | 5.877 | 0.000 | 105.000 | 42.740 | 43.180 | 42.800 | 7.673 |
| σ | | 2% | 0.106 | 1.160 | 0.000 | 0.977 | 9.793 | 10.610 | 9.918 | 1.784 |
| %RSD | | 2 | 32.400 | 19.740 | 0.000 | 0.931 | 22.910 | 24.560 | 23.170 | 23.240 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:18:27 | 1.383 | 9.045 | 0.000 | 0.000 | 20.550 | 20.330 | -6.658 | 74% | -0.430 |
| 2 | 16:19:35 | 3.417 | 11.880 | 0.000 | 0.000 | 18.570 | 32.950 | 6.277 | 75% | -0.626 |
| 3 | 16:20:43 | 3.209 | 18.490 | 0.000 | 0.000 | 15.080 | 30.870 | 5.350 | 75% | -0.257 |
| x | | 2.670 | 13.140 | 0.000 | 0.000 | 18.070 | 28.050 | 1.657 | 75% | -0.438 |
| σ | | 1.119 | 4.848 | 0.000 | 0.000 | 2.769 | 6.767 | 7.216 | 1% | 0.185 |
| %RSD | | 41.910 | 36.900 | 0.000 | 0.000 | 15.330 | 24.120 | 435.600 | 1 | 42.250 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:18:27 | 0.431 | 0.262 | -7.097 | 9.970 | 0.480 | 6.783 | 21.250 | 0.242 | 0.083 |
| 2 | 16:19:35 | 0.621 | 0.225 | -7.367 | 14.960 | 0.749 | 11.320 | 22.920 | 0.370 | 0.157 |
| 3 | 16:20:43 | 0.489 | 0.404 | -7.652 | 19.110 | 0.749 | 14.420 | 30.570 | 0.411 | 0.351 |
| x | | 0.513 | 0.297 | -7.372 | 14.680 | 0.659 | 10.840 | 24.910 | 0.341 | 0.197 |
| σ | | 0.097 | 0.094 | 0.278 | 4.577 | 0.155 | 3.839 | 4.966 | 0.088 | 0.138 |
| %RSD | | 18.960 | 31.790 | 3.771 | 31.180 | 23.570 | 35.420 | 19.930 | 25.840 | 70.240 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:18:27 | 0.589 | 0.582 | 0.230 | 0.300 | 0.424 | -0.053 | -0.931 | 0.424 | -2.573 |
| 2 | 16:19:35 | 0.645 | 0.617 | 0.289 | 0.152 | -0.171 | 0.024 | -0.504 | -0.171 | 0.178 |
| 3 | 16:20:43 | 0.714 | 0.826 | 0.673 | 0.675 | 0.614 | -0.077 | -0.570 | 0.614 | -2.704 |
| x | | 0.649 | 0.675 | 0.397 | 0.376 | 0.289 | -0.035 | -0.668 | 0.289 | -1.700 |
| σ | | 0.063 | 0.132 | 0.241 | 0.269 | 0.410 | 0.053 | 0.230 | 0.409 | 1.628 |
| %RSD | | 9.631 | 19.540 | 60.660 | 71.660 | 141.800 | 149.200 | 34.380 | 141.700 | 95.750 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:18:27 | 0.805 | 1.451 | 1.283 | 1.363 | 1.512 | 0.012 | 73% | 0.598 | 0.318 |
| 2 | 16:19:35 | 0.650 | 1.289 | 0.905 | 1.185 | 0.930 | 0.008 | 75% | 0.555 | 0.357 |
| 3 | 16:20:43 | 0.676 | 1.011 | 0.937 | 0.866 | 0.881 | 0.008 | 74% | -0.321 | 0.393 |
| x | | 0.710 | 1.250 | 1.042 | 1.138 | 1.108 | 0.009 | 74% | 0.278 | 0.356 |
| σ | | 0.083 | 0.222 | 0.210 | 0.252 | 0.351 | 0.003 | 1% | 0.518 | 0.038 |
| %RSD | | 11.690 | 17.780 | 20.130 | 22.110 | 31.690 | 28.940 | 1 | 186.800 | 10.540 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:18:27 | -0.111 | 0.589 | 0.332 | 0.170 | 0.421 | 0.680 | 1.227 | 1.200 | 78% |
| 2 | 16:19:35 | -0.222 | 0.548 | 0.391 | 0.279 | 0.407 | 0.588 | 1.612 | 1.775 | 78% |
| 3 | 16:20:43 | 0.328 | -0.331 | 0.367 | 0.333 | 0.443 | 0.625 | 1.967 | 2.030 | 78% |
| x | | -0.002 | 0.269 | 0.363 | 0.261 | 0.423 | 0.631 | 1.602 | 1.668 | 78% |
| σ | | 0.291 | 0.520 | 0.030 | 0.083 | 0.018 | 0.046 | 0.370 | 0.425 | 0% |
| %RSD | | 16170.000 | 193.300 | 8.214 | 32.010 | 4.238 | 7.367 | 23.110 | 25.480 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:18:27 | 78% | 0.399 | 0.329 | 0.249 | 0.206 | 0.236 | 81% | 0.247 |
| 2 | 16:19:35 | 79% | 0.393 | 0.422 | 0.327 | 0.297 | 0.307 | 82% | 0.333 |
| 3 | 16:20:43 | 79% | 0.380 | 0.379 | 0.381 | 0.360 | 0.355 | 81% | 0.409 |
| x | | 79% | 0.391 | 0.377 | 0.319 | 0.288 | 0.299 | 81% | 0.330 |
| σ | | 1% | 0.010 | 0.047 | 0.066 | 0.077 | 0.060 | 0% | 0.081 |
| %RSD | | 1 | 2.534 | 12.380 | 20.700 | 26.810 | 20.060 | 0 | 24.510 |

**C1868-04LX5 MF3TA5L** 05/02/2011 04:25:12 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:26:20 | 77% | 0.306 | 209.900 | 0.000 | 48280.000 | 6647.000 | 6395.000 | 6481.000 | 7.465 |
| 2 | 16:27:28 | 76% | 0.219 | 218.400 | 0.000 | 48740.000 | 6656.000 | 6441.000 | 6546.000 | 6.798 |
| 3 | 16:28:37 | 81% | 0.082 | 212.600 | 0.000 | 47580.000 | 6538.000 | 6359.000 | 6338.000 | 5.128 |
| x | | 78% | 0.202 | 213.600 | 0.000 | 48200.000 | 6614.000 | 6398.000 | 6455.000 | 6.464 |
| σ | | 2% | 0.113 | 4.338 | 0.000 | 586.500 | 65.640 | 41.400 | 106.600 | 1.204 |
| %RSD | | 3 | 55.610 | 2.030 | 0.000 | 1.217 | 0.992 | 0.647 | 1.652 | 18.630 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:26:20 | 4996.000 | 11.830 | 0.000 | 0.000 | 1080.000 | 29580.000 | 31640.000 | 72% | -0.140 |
| 2 | 16:27:28 | 5071.000 | 9.163 | 0.000 | 0.000 | 1051.000 | 29100.000 | 31410.000 | 75% | -0.362 |
| 3 | 16:28:37 | 5072.000 | 10.580 | 0.000 | 0.000 | 1035.000 | 29030.000 | 31150.000 | 76% | -0.374 |
| x | | 5046.000 | 10.530 | 0.000 | 0.000 | 1056.000 | 29240.000 | 31400.000 | 74% | -0.292 |
| σ | | 43.560 | 1.336 | 0.000 | 0.000 | 22.800 | 298.600 | 242.100 | 2% | 0.132 |
| %RSD | | 0.863 | 12.690 | 0.000 | 0.000 | 2.160 | 1.021 | 0.771 | 3 | 45.030 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:26:20 | 8.500 | 5.537 | 34.210 | 11.550 | 0.456 | 10.720 | 115.600 | 0.397 | 0.825 |
| 2 | 16:27:28 | 8.986 | 5.571 | 37.270 | 11.700 | 0.481 | 8.803 | 119.900 | 0.325 | 0.585 |
| 3 | 16:28:37 | 7.992 | 5.458 | 40.720 | 6.359 | 0.248 | 6.326 | 115.700 | 0.262 | 0.504 |
| x | | 8.492 | 5.522 | 37.400 | 9.869 | 0.395 | 8.616 | 117.100 | 0.328 | 0.638 |
| σ | | 0.497 | 0.058 | 3.253 | 3.041 | 0.128 | 2.203 | 2.430 | 0.068 | 0.167 |
| %RSD | | 5.853 | 1.048 | 8.698 | 30.810 | 32.370 | 25.560 | 2.075 | 20.700 | 26.160 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:26:20 | 5.814 | 5.724 | 1.241 | 1.348 | 1.102 | 0.202 | 1.449 | 1.102 | 5.397 |
| 2 | 16:27:28 | 5.409 | 5.420 | 1.630 | 2.009 | 1.622 | 0.134 | 1.343 | 1.625 | 1.599 |
| 3 | 16:28:37 | 5.399 | 5.554 | 1.158 | 1.465 | 2.529 | 0.170 | 1.491 | 2.532 | 0.641 |
| x | | 5.540 | 5.566 | 1.343 | 1.607 | 1.751 | 0.169 | 1.428 | 1.753 | 2.546 |
| σ | | 0.237 | 0.152 | 0.252 | 0.353 | 0.722 | 0.034 | 0.076 | 0.724 | 2.515 |
| %RSD | | 4.272 | 2.736 | 18.760 | 21.950 | 41.240 | 20.220 | 5.344 | 41.290 | 98.810 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:26:20 | 1.227 | 0.586 | 0.788 | 0.704 | 0.657 | -0.001 | 71% | 1.130 | 0.264 |
| 2 | 16:27:28 | 1.046 | 0.649 | 0.671 | 0.548 | 0.570 | 0.003 | 72% | 0.753 | 0.202 |
| 3 | 16:28:37 | 0.621 | 0.463 | 0.507 | 0.518 | 0.402 | 0.003 | 74% | -0.031 | 0.117 |
| x | | 0.964 | 0.566 | 0.655 | 0.590 | 0.543 | 0.002 | 72% | 0.617 | 0.194 |
| σ | | 0.311 | 0.095 | 0.141 | 0.100 | 0.130 | 0.003 | 1% | 0.592 | 0.074 |
| %RSD | | 32.250 | 16.710 | 21.560 | 16.940 | 23.860 | 137.200 | 2 | 95.920 | 37.900 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:26:20 | -0.193 | 1.119 | 0.276 | 0.352 | 0.345 | 0.325 | 7.524 | 7.641 | 76% |
| 2 | 16:27:28 | 0.138 | 0.742 | 0.169 | 0.177 | 0.304 | 0.246 | 7.921 | 7.403 | 77% |
| 3 | 16:28:37 | 0.105 | -0.043 | 0.121 | 0.112 | 0.233 | 0.191 | 6.644 | 7.286 | 79% |
| x | | 0.017 | 0.606 | 0.189 | 0.214 | 0.294 | 0.254 | 7.363 | 7.444 | 77% |
| σ | | 0.183 | 0.593 | 0.080 | 0.124 | 0.057 | 0.067 | 0.653 | 0.181 | 1% |
| %RSD | | 1087.000 | 97.760 | 42.180 | 58.020 | 19.270 | 26.530 | 8.870 | 2.431 | 2 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:26:20 | 77% | 0.377 | 0.379 | 0.671 | 0.634 | 0.660 | 78% | 1.794 |
| 2 | 16:27:28 | 79% | 0.184 | 0.210 | 0.574 | 0.561 | 0.575 | 80% | 1.744 |
| 3 | 16:28:37 | 80% | 0.131 | 0.148 | 0.471 | 0.533 | 0.519 | 80% | 1.720 |
| x | | 78% | 0.231 | 0.246 | 0.572 | 0.576 | 0.585 | 79% | 1.752 |
| σ | | 1% | 0.130 | 0.120 | 0.100 | 0.052 | 0.071 | 1% | 0.038 |
| %RSD | | 2 | 56.230 | 48.670 | 17.410 | 9.057 | 12.190 | 1 | 2.145 |

**C1868-04LX125 MF3TA5L** 05/02/2011 04:33:06 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:34:14 | 82% | 0.068 | 48.680 | 0.000 | 10040.000 | 1402.000 | 1352.000 | 1356.000 | 3.234 |
| 2 | 16:35:22 | 82% | -0.027 | 45.240 | 0.000 | 9913.000 | 1388.000 | 1315.000 | 1338.000 | 2.832 |
| 3 | 16:36:30 | 81% | -0.003 | 46.310 | 0.000 | 10080.000 | 1402.000 | 1353.000 | 1359.000 | 1.925 |
| x | | 82% | 0.013 | 46.740 | 0.000 | 10010.000 | 1397.000 | 1340.000 | 1351.000 | 2.664 |
| σ | | 1% | 0.049 | 1.758 | 0.000 | 89.290 | 7.929 | 21.590 | 11.140 | 0.670 |
| %RSD | | 1 | 389.000 | 3.760 | 0.000 | 0.892 | 0.568 | 1.611 | 0.825 | 25.170 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:34:14 | 1030.000 | 2.795 | 0.000 | 0.000 | 215.900 | 6014.000 | 6473.000 | 79% | -0.440 |
| 2 | 16:35:22 | 1019.000 | 7.856 | 0.000 | 0.000 | 204.400 | 6155.000 | 6275.000 | 80% | -0.763 |
| 3 | 16:36:30 | 1048.000 | 3.981 | 0.000 | 0.000 | 208.500 | 6093.000 | 6464.000 | 79% | -0.757 |
| x | | 1032.000 | 4.878 | 0.000 | 0.000 | 209.600 | 6087.000 | 6404.000 | 79% | -0.653 |
| σ | | 14.390 | 2.647 | 0.000 | 0.000 | 5.836 | 70.840 | 111.900 | 1% | 0.185 |
| %RSD | | 1.394 | 54.270 | 0.000 | 0.000 | 2.784 | 1.164 | 1.747 | 1 | 28.280 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:34:14 | 1.853 | 1.372 | 3.722 | 4.988 | 0.123 | 2.843 | 29.220 | 0.118 | 0.100 |
| 2 | 16:35:22 | 1.818 | 1.341 | 3.928 | 1.896 | 0.104 | 2.256 | 26.610 | 0.095 | 0.042 |
| 3 | 16:36:30 | 1.518 | 1.354 | 4.015 | 0.503 | 0.034 | 0.872 | 24.710 | 0.038 | 0.139 |
| x | | 1.730 | 1.356 | 3.888 | 2.462 | 0.087 | 1.990 | 26.850 | 0.084 | 0.094 |
| σ | | 0.184 | 0.016 | 0.151 | 2.296 | 0.047 | 1.012 | 2.268 | 0.041 | 0.049 |
| %RSD | | 10.620 | 1.164 | 3.877 | 93.230 | 54.030 | 50.850 | 8.450 | 48.900 | 51.680 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:34:14 | 1.292 | 1.200 | 0.445 | 0.652 | 0.397 | -0.046 | -0.090 | 0.397 | 2.882 |
| 2 | 16:35:22 | 0.936 | 1.212 | 0.348 | 0.459 | 0.441 | -0.012 | -0.424 | 0.442 | -0.009 |
| 3 | 16:36:30 | 1.015 | 1.026 | 0.377 | 0.446 | 1.007 | -0.027 | 1.080 | 1.006 | -3.127 |
| x | | 1.081 | 1.146 | 0.390 | 0.519 | 0.615 | -0.028 | 0.189 | 0.615 | -0.085 |
| σ | | 0.187 | 0.104 | 0.049 | 0.116 | 0.340 | 0.017 | 0.790 | 0.339 | 3.005 |
| %RSD | | 17.300 | 9.086 | 12.690 | 22.280 | 55.260 | 61.590 | 418.600 | 55.180 | 3548.000 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:34:14 | 0.162 | 0.213 | 0.164 | 0.142 | 0.179 | -0.001 | 77% | 1.370 | 0.067 |
| 2 | 16:35:22 | 0.105 | 0.141 | 0.168 | 0.150 | 0.132 | 0.003 | 78% | 0.527 | 0.040 |
| 3 | 16:36:30 | 0.105 | 0.117 | 0.106 | 0.122 | 0.086 | 0.003 | 78% | -0.705 | 0.011 |
| x | | 0.124 | 0.157 | 0.146 | 0.138 | 0.132 | 0.002 | 78% | 0.397 | 0.039 |
| σ | | 0.033 | 0.050 | 0.035 | 0.014 | 0.047 | 0.002 | 0% | 1.043 | 0.028 |
| %RSD | | 26.560 | 31.760 | 23.750 | 10.400 | 35.380 | 142.600 | 0 | 262.500 | 71.730 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:34:14 | -0.674 | 1.363 | 0.070 | 0.106 | 0.043 | 0.088 | 1.648 | 1.584 | 81% |
| 2 | 16:35:22 | -0.211 | 0.520 | 0.019 | 0.039 | 0.049 | 0.092 | 1.524 | 1.588 | 81% |
| 3 | 16:36:30 | 0.529 | -0.713 | 0.023 | -0.066 | 0.049 | 0.047 | 1.152 | 1.399 | 81% |
| x | | -0.119 | 0.390 | 0.037 | 0.026 | 0.047 | 0.076 | 1.441 | 1.524 | 81% |
| σ | | 0.607 | 1.044 | 0.029 | 0.087 | 0.004 | 0.025 | 0.258 | 0.108 | 0% |
| %RSD | | 510.900 | 267.700 | 77.370 | 334.900 | 8.258 | 33.370 | 17.920 | 7.113 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:34:14 | 81% | 0.076 | 0.099 | 0.113 | 0.069 | 0.104 | 83% | 0.367 |
| 2 | 16:35:22 | 81% | 0.055 | 0.056 | 0.089 | 0.103 | 0.082 | 84% | 0.351 |
| 3 | 16:36:30 | 81% | -0.010 | 0.019 | 0.052 | 0.062 | 0.062 | 83% | 0.321 |
| x | | 81% | 0.040 | 0.058 | 0.085 | 0.078 | 0.083 | 83% | 0.347 |
| σ | | 0% | 0.045 | 0.040 | 0.031 | 0.022 | 0.021 | 1% | 0.024 |
| %RSD | | 0 | 112.100 | 69.020 | 36.040 | 28.400 | 25.310 | 1 | 6.795 |

**CCV** 05/02/2011 04:41:00 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:42:08 | 76% | 530.400 | 522.600 | 0.000 | 50940.000 | 50780.000 | 50150.000 | 49860.000 | 10040.000 |
| 2 | 16:43:16 | 79% | 504.200 | 510.000 | 0.000 | 49730.000 | 49690.000 | 49180.000 | 48920.000 | 9971.000 |
| 3 | 16:44:24 | 75% | 525.000 | 534.000 | 0.000 | 50780.000 | 50500.000 | 50150.000 | 49760.000 | 9974.000 |
| x | | 76% | 519.900 | 522.200 | 0.000 | 50480.000 | 50320.000 | 49830.000 | 49510.000 | 9995.000 |
| σ | | 2% | 13.860 | 12.010 | 0.000 | 659.100 | 569.600 | 563.200 | 514.100 | 37.950 |
| %RSD | | 3 | 2.665 | 2.299 | 0.000 | 1.306 | 1.132 | 1.130 | 1.038 | 0.380 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:42:08 | 504.600 | 10060.000 | 0.000 | 0.000 | 25320.000 | 49650.000 | 48670.000 | 73% | 495.100 |
| 2 | 16:43:16 | 488.400 | 9924.000 | 0.000 | 0.000 | 24860.000 | 51550.000 | 48600.000 | 73% | 498.900 |
| 3 | 16:44:24 | 523.200 | 10090.000 | 0.000 | 0.000 | 25170.000 | 50620.000 | 48520.000 | 73% | 495.800 |
| x | | 505.400 | 10020.000 | 0.000 | 0.000 | 25120.000 | 50610.000 | 48600.000 | 73% | 496.600 |
| σ | | 17.440 | 89.660 | 0.000 | 0.000 | 236.500 | 953.200 | 73.940 | 0% | 2.019 |
| %RSD | | 3.450 | 0.894 | 0.000 | 0.000 | 0.942 | 1.883 | 0.152 | 1 | 0.407 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:42:08 | 494.100 | 495.000 | -6.928 | 25380.000 | 990.400 | 24760.000 | 24960.000 | 488.800 | 501.300 |
| 2 | 16:43:16 | 494.000 | 491.200 | -0.972 | 25580.000 | 990.000 | 24700.000 | 25030.000 | 491.600 | 500.300 |
| 3 | 16:44:24 | 488.000 | 488.300 | -2.713 | 25250.000 | 995.900 | 24750.000 | 24860.000 | 489.100 | 496.300 |
| x | | 492.100 | 491.500 | -3.538 | 25400.000 | 992.100 | 24740.000 | 24950.000 | 489.800 | 499.300 |
| σ | | 3.494 | 3.366 | 3.062 | 168.200 | 3.300 | 29.380 | 83.000 | 1.517 | 2.619 |
| %RSD | | 0.710 | 0.685 | 86.560 | 0.662 | 0.333 | 0.119 | 0.333 | 0.310 | 0.525 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:42:08 | 979.200 | 981.400 | 970.800 | 487.300 | 489.100 | -1.794 | 500.700 | 490.200 | 5.061 |
| 2 | 16:43:16 | 986.600 | 989.400 | 979.800 | 485.200 | 491.500 | -0.670 | 494.100 | 492.300 | 0.474 |
| 3 | 16:44:24 | 989.600 | 982.400 | 970.300 | 489.300 | 497.200 | -1.172 | 501.600 | 498.700 | 6.097 |
| x | | 985.100 | 984.400 | 973.600 | 487.200 | 492.600 | -1.212 | 498.800 | 493.700 | 3.877 |
| σ | | 5.371 | 4.358 | 5.359 | 2.056 | 4.152 | 0.563 | 4.126 | 4.388 | 2.993 |
| %RSD | | 0.545 | 0.443 | 0.550 | 0.422 | 0.843 | 46.470 | 0.827 | 0.889 | 77.190 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:42:08 | 405.900 | 480.000 | 470.500 | 481.700 | 483.400 | 0.013 | 70% | 471.900 | 496.300 |
| 2 | 16:43:16 | 404.500 | 491.600 | 478.200 | 482.800 | 489.000 | 0.017 | 70% | 480.800 | 495.900 |
| 3 | 16:44:24 | 406.200 | 494.000 | 482.400 | 492.200 | 489.700 | 0.008 | 69% | 469.700 | 501.900 |
| x | | 405.500 | 488.500 | 477.000 | 485.600 | 487.300 | 0.013 | 70% | 474.100 | 498.000 |
| σ | | 0.910 | 7.487 | 6.029 | 5.762 | 3.476 | 0.005 | 1% | 5.877 | 3.368 |
| %RSD | | 0.224 | 1.533 | 1.264 | 1.187 | 0.713 | 35.510 | 1 | 1.240 | 0.676 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:42:08 | 10.630 | 471.600 | 494.600 | 491.800 | 423.300 | 487.700 | 2471.000 | 2479.000 | 77% |
| 2 | 16:43:16 | 5.382 | 480.600 | 497.100 | 493.600 | 424.300 | 487.600 | 2470.000 | 2486.000 | 77% |
| 3 | 16:44:24 | 5.331 | 469.400 | 501.700 | 492.200 | 427.200 | 492.100 | 2498.000 | 2498.000 | 76% |
| x | | 7.114 | 473.900 | 497.800 | 492.600 | 424.900 | 489.200 | 2479.000 | 2488.000 | 77% |
| σ | | 3.045 | 5.961 | 3.625 | 0.951 | 2.031 | 2.562 | 16.070 | 9.815 | 1% |
| %RSD | | 42.800 | 1.258 | 0.728 | 0.193 | 0.478 | 0.524 | 0.648 | 0.395 | 1 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:42:08 | 78% | 496.700 | 496.300 | 495.500 | 495.200 | 494.400 | 78% | 501.400 |
| 2 | 16:43:16 | 78% | 498.800 | 498.800 | 499.600 | 497.900 | 497.500 | 78% | 498.800 |
| 3 | 16:44:24 | 77% | 495.500 | 493.800 | 492.300 | 492.600 | 492.000 | 78% | 495.300 |
| x | | 78% | 497.000 | 496.300 | 495.800 | 495.300 | 494.600 | 78% | 498.500 |
| σ | | 0% | 1.673 | 2.478 | 3.651 | 2.651 | 2.751 | 0% | 3.052 |
| %RSD | | 0 | 0.337 | 0.499 | 0.737 | 0.535 | 0.556 | 0 | 0.612 |

**CCB** 05/02/2011 04:48:54 PM

User Pre-dilution: 1.000

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:50:02 | 77% | 0.126 | 4.176 | 0.000 | 100.500 | 23.060 | 23.790 | 22.790 | 3.458 |
| 2 | 16:51:10 | 79% | 0.155 | 8.146 | 0.000 | 91.130 | 23.370 | 24.030 | 23.410 | 3.266 |
| 3 | 16:52:18 | 80% | 0.053 | 5.802 | 0.000 | 70.930 | 15.380 | 16.210 | 15.570 | 2.203 |
| x | | 79% | 0.111 | 6.041 | 0.000 | 87.530 | 20.600 | 21.350 | 20.590 | 2.976 |
| σ | | 1% | 0.053 | 1.996 | 0.000 | 15.120 | 4.528 | 4.445 | 4.355 | 0.676 |
| %RSD | | 2 | 47.340 | 33.030 | 0.000 | 17.280 | 21.970 | 20.830 | 21.150 | 22.720 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:50:02 | 1.349 | 4.044 | 0.000 | 0.000 | 17.390 | 34.650 | -15.480 | 75% | -0.330 |
| 2 | 16:51:10 | 1.861 | 6.272 | 0.000 | 0.000 | 13.530 | 20.330 | -11.360 | 74% | -0.468 |
| 3 | 16:52:18 | -0.172 | 9.505 | 0.000 | 0.000 | 4.884 | 8.850 | -30.630 | 75% | -0.513 |
| x | | 1.013 | 6.607 | 0.000 | 0.000 | 11.930 | 21.280 | -19.160 | 75% | -0.437 |
| σ | | 1.058 | 2.746 | 0.000 | 0.000 | 6.403 | 12.930 | 10.150 | 1% | 0.095 |
| %RSD | | 104.400 | 41.560 | 0.000 | 0.000 | 53.650 | 60.760 | 52.970 | 1 | 21.760 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:50:02 | 0.504 | 0.086 | -7.675 | 7.230 | 0.360 | 2.502 | 19.530 | 0.180 | 0.147 |
| 2 | 16:51:10 | 0.494 | 0.123 | -7.295 | 11.550 | 0.337 | 2.923 | 20.820 | 0.165 | 0.162 |
| 3 | 16:52:18 | 0.051 | 0.076 | -6.698 | 3.755 | 0.226 | 1.049 | 17.910 | 0.137 | 0.118 |
| x | | 0.350 | 0.095 | -7.223 | 7.513 | 0.308 | 2.158 | 19.420 | 0.161 | 0.142 |
| σ | | 0.259 | 0.025 | 0.492 | 3.906 | 0.072 | 0.983 | 1.457 | 0.022 | 0.022 |
| %RSD | | 74.010 | 25.800 | 6.816 | 52.000 | 23.360 | 45.550 | 7.501 | 13.690 | 15.750 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:50:02 | 0.355 | 0.280 | 0.164 | 0.165 | -0.762 | 0.002 | -0.419 | -0.761 | 4.679 |
| 2 | 16:51:10 | 0.360 | 0.369 | 0.123 | 0.140 | -0.024 | -0.004 | -0.233 | -0.024 | -1.108 |
| 3 | 16:52:18 | 0.208 | 0.168 | 0.155 | 0.259 | 0.073 | -0.047 | -0.816 | 0.073 | 1.656 |
| x | | 0.308 | 0.272 | 0.147 | 0.188 | -0.238 | -0.016 | -0.489 | -0.238 | 1.742 |
| σ | | 0.086 | 0.101 | 0.022 | 0.062 | 0.456 | 0.027 | 0.298 | 0.456 | 2.894 |
| %RSD | | 28.000 | 37.040 | 14.660 | 33.180 | 192.100 | 162.700 | 60.900 | 192.100 | 166.100 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:50:02 | 0.924 | 1.407 | 1.332 | 1.238 | 1.467 | 0.012 | 74% | 1.052 | 0.228 |
| 2 | 16:51:10 | 0.564 | 1.095 | 1.043 | 0.785 | 1.050 | 0.003 | 74% | -0.204 | 0.172 |
| 3 | 16:52:18 | 0.443 | 0.756 | 0.573 | 0.702 | 0.664 | 0.008 | 75% | -0.290 | 0.143 |
| x | | 0.644 | 1.086 | 0.983 | 0.908 | 1.060 | 0.008 | 74% | 0.186 | 0.181 |
| σ | | 0.250 | 0.326 | 0.383 | 0.288 | 0.402 | 0.004 | 1% | 0.751 | 0.043 |
| %RSD | | 38.870 | 30.000 | 38.950 | 31.760 | 37.860 | 57.060 | 1 | 403.600 | 23.910 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:50:02 | -0.365 | 1.045 | 0.277 | 0.180 | 0.427 | 0.644 | 1.024 | 1.039 | 77% |
| 2 | 16:51:10 | 0.135 | -0.214 | 0.199 | 0.149 | 0.354 | 0.590 | 0.815 | 1.005 | 78% |
| 3 | 16:52:18 | 0.307 | -0.297 | 0.108 | 0.047 | 0.203 | 0.384 | 0.668 | 0.756 | 78% |
| x | | 0.026 | 0.178 | 0.195 | 0.125 | 0.328 | 0.539 | 0.836 | 0.933 | 78% |
| σ | | 0.349 | 0.752 | 0.084 | 0.069 | 0.114 | 0.137 | 0.179 | 0.155 | 0% |
| %RSD | | 1364.000 | 422.400 | 43.380 | 55.180 | 34.790 | 25.380 | 21.430 | 16.550 | 0 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 1 | 16:50:02 | 78% | 0.340 | 0.351 | 0.221 | 0.222 | 0.203 | 81% | 0.167 |
| 2 | 16:51:10 | 78% | 0.234 | 0.242 | 0.110 | 0.142 | 0.141 | 82% | 0.184 |
| 3 | 16:52:18 | 79% | 0.165 | 0.138 | 0.093 | 0.098 | 0.097 | 82% | 0.122 |
| x | | 79% | 0.247 | 0.244 | 0.141 | 0.154 | 0.147 | 81% | 0.157 |
| σ | | 1% | 0.088 | 0.106 | 0.070 | 0.063 | 0.053 | 1% | 0.032 |
| %RSD | | 1 | 35.760 | 43.650 | 49.400 | 40.850 | 36.290 | 1 | 20.390 |

## Mass Uncorrected ICPS

**S0 (S0)** 05/01/2011 01:50:34 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:51:42 | 17635.879 | 9.896 | 34.375 | 292.190 | 123175.620 | 1811.052 | 246.877 | 279.690 | 509.384 |
| 2 | 01:52:50 | 17402.781 | 8.333 | 31.250 | 267.190 | 124288.320 | 1748.545 | 256.252 | 289.065 | 495.321 |
| 3 | 01:53:58 | 17840.821 | 11.458 | 29.688 | 248.440 | 124483.760 | 2176.728 | 273.440 | 375.005 | 740.644 |
| x | | 17626.494 | 9.896 | 31.771 | 269.273 | 123982.570 | 1912.108 | 258.857 | 314.587 | 581.783 |
| σ | | 219.171 | 1.563 | 2.387 | 21.950 | 705.636 | 231.289 | 13.472 | 52.533 | 137.757 |
| %RSD | | 1.243 | 15.789 | 7.512 | 8.151 | 0.569 | 12.096 | 5.204 | 16.699 | 23.678 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:51:42 | 493.759 | 934.406 | 17119.627 | 82468.602 | 105092.950 | 9.375 | 1501.641 | 66290.951 | 21.875 |
| 2 | 01:52:50 | 581.262 | 898.466 | 16900.616 | 82578.610 | 104401.980 | 4.688 | 1423.508 | 66184.208 | 70.313 |
| 3 | 01:53:58 | 581.262 | 953.157 | 17021.072 | 82063.153 | 103923.510 | 12.500 | 1365.690 | 66523.277 | 93.750 |
| x | | 552.094 | 928.676 | 17013.771 | 82370.122 | 104472.810 | 8.854 | 1430.280 | 66332.812 | 61.979 |
| σ | | 50.520 | 27.792 | 109.688 | 271.474 | 587.932 | 3.932 | 68.228 | 173.367 | 36.655 |
| %RSD | | 9.151 | 2.993 | 0.645 | 0.330 | 0.563 | 44.411 | 4.770 | 0.261 | 59.141 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:51:42 | 5569.836 | 300.003 | 1920.442 | 2951.867 | 264.065 | 40250.373 | 1220.365 | 45.313 | 46.875 |
| 2 | 01:52:50 | 5613.603 | 310.941 | 1790.737 | 3042.512 | 256.252 | 40508.915 | 1253.180 | 51.563 | 51.563 |
| 3 | 01:53:58 | 5183.753 | 354.692 | 1832.930 | 3123.779 | 287.503 | 41840.871 | 1296.934 | 65.625 | 51.563 |
| x | | 5455.730 | 321.879 | 1848.036 | 3039.386 | 269.273 | 40866.720 | 1256.826 | 54.167 | 50.000 |
| σ | | 236.554 | 28.939 | 66.159 | 85.998 | 16.263 | 853.486 | 38.415 | 10.404 | 2.706 |
| %RSD | | 4.336 | 8.991 | 3.580 | 2.829 | 6.040 | 2.088 | 3.056 | 19.207 | 5.413 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:51:42 | 132.813 | 54.688 | 145.313 | 50.000 | 20.313 | 20.313 | 184.897 | 20.313 | 20.833 |
| 2 | 01:52:50 | 143.751 | 50.000 | 135.938 | 53.125 | 23.438 | 23.438 | 176.564 | 25.000 | 23.958 |
| 3 | 01:53:58 | 157.813 | 59.375 | 95.313 | 51.563 | 4.688 | 4.688 | 154.688 | 23.438 | 22.917 |
| x | | 144.792 | 54.688 | 125.521 | 51.563 | 16.146 | 16.146 | 172.050 | 22.917 | 22.569 |
| σ | | 12.533 | 4.688 | 26.578 | 1.563 | 10.045 | 10.045 | 15.602 | 2.387 | 1.591 |
| %RSD | | 8.656 | 8.571 | 21.174 | 3.030 | 62.217 | 62.217 | 9.068 | 10.415 | 7.050 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:51:42 | 37.500 | 15.625 | 25.000 | 17.188 | 28.125 | 0.000 | 185645.330 | 114.063 | 28.125 |
| 2 | 01:52:50 | 21.875 | 25.000 | 29.688 | 21.875 | 37.500 | 1.563 | 184698.810 | 117.188 | 34.375 |
| 3 | 01:53:58 | 31.250 | 20.313 | 20.313 | 20.313 | 35.938 | 0.000 | 187962.840 | 139.063 | 29.688 |
| x | | 30.208 | 20.313 | 25.000 | 19.792 | 33.854 | 0.521 | 186102.330 | 123.438 | 30.729 |
| σ | | 7.864 | 4.688 | 4.688 | 2.387 | 5.023 | 0.902 | 1679.320 | 13.622 | 3.253 |
| %RSD | | 26.034 | 23.077 | 18.750 | 12.059 | 14.836 | 173.205 | 0.902 | 11.035 | 10.585 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:51:42 | 1.563 | 1.563 | 26.563 | 17.188 | 115.625 | 64.063 | 53.125 | 64.063 | 489346.210 |
| 2 | 01:52:50 | 1.563 | 1.563 | 25.000 | 23.438 | 106.250 | 84.375 | 46.875 | 73.438 | 486810.180 |
| 3 | 01:53:58 | 1.563 | 1.563 | 29.688 | 18.750 | 134.376 | 79.688 | 56.250 | 60.938 | 490379.180 |
| x | | 1.563 | 1.563 | 27.083 | 19.792 | 118.751 | 76.042 | 52.083 | 66.146 | 488845.190 |
| σ | | 0.000 | 0.000 | 2.387 | 3.253 | 14.321 | 10.636 | 4.774 | 6.505 | 1836.496 |
| %RSD | | 0.000 | 0.000 | 8.813 | 16.434 | 12.059 | 13.987 | 9.165 | 9.835 | 0.376 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:51:42 | 527211.430 | 140.626 | 325.004 | 171.876 | 142.188 | 353.129 | 479165.950 | 342.192 |
| 2 | 01:52:50 | 527595.540 | 140.626 | 259.377 | 148.438 | 140.626 | 359.380 | 476605.850 | 329.691 |
| 3 | 01:53:58 | 525793.390 | 114.063 | 268.753 | 179.689 | 143.751 | 348.442 | 478697.510 | 440.632 |
| x | | 526866.790 | 131.771 | 284.378 | 166.668 | 142.188 | 353.650 | 478156.440 | 370.838 |
| σ | | 949.221 | 15.336 | 35.494 | 16.263 | 1.563 | 5.487 | 1363.121 | 60.765 |
| %RSD | | 0.180 | 11.638 | 12.481 | 9.758 | 1.099 | 1.552 | 0.285 | 16.386 |

**S1 (S)** 05/01/2011 01:58:25 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:59:33 | 17459.100 | 65.104 | 82.813 | 293.753 | 348240.260 | 167189.830 | 22824.469 | 27205.568 | 9084.137 |
| 2 | 02:00:41 | 17599.897 | 65.625 | 98.438 | 275.003 | 344882.130 | 165937.860 | 22772.824 | 27186.782 | 9013.780 |
| 3 | 02:01:49 | 17695.328 | 71.354 | 95.313 | 290.628 | 343436.990 | 165329.300 | 22672.665 | 27053.717 | 8871.504 |
| x | | 17584.775 | 67.361 | 92.188 | 286.461 | 345519.790 | 166152.330 | 22756.653 | 27148.689 | 8989.807 |
| σ | | 118.838 | 3.468 | 8.268 | 10.046 | 2464.306 | 948.625 | 77.183 | 82.783 | 108.325 |
| %RSD | | 0.676 | 5.148 | 8.969 | 3.507 | 0.713 | 0.571 | 0.339 | 0.305 | 1.205 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:59:33 | 918.780 | 978.158 | 16770.776 | 78213.523 | 316307.170 | 570.324 | 9892.487 | 65849.856 | 295.316 |
| 2 | 02:00:41 | 996.910 | 965.658 | 17032.022 | 81990.864 | 313387.620 | 478.133 | 9981.611 | 64507.816 | 242.190 |
| 3 | 02:01:49 | 934.406 | 868.776 | 17226.004 | 82368.025 | 313643.140 | 509.384 | 9734.566 | 65168.617 | 315.628 |
| x | | 950.032 | 937.531 | 17009.601 | 80857.471 | 314445.970 | 519.280 | 9869.554 | 65175.430 | 284.378 |
| σ | | 41.343 | 59.870 | 228.441 | 2297.478 | 1616.895 | 46.885 | 125.109 | 671.046 | 37.922 |
| %RSD | | 4.352 | 6.386 | 1.343 | 2.841 | 0.514 | 9.029 | 1.268 | 1.030 | 13.335 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:59:33 | 9218.598 | 1884.499 | 1801.676 | 15179.936 | 1543.833 | 249732.660 | 6399.871 | 1103.168 | 287.503 |
| 2 | 02:00:41 | 9601.663 | 2023.581 | 1781.361 | 14796.722 | 1515.705 | 247797.840 | 6506.169 | 1156.297 | 282.815 |
| 3 | 02:01:49 | 8843.361 | 1943.882 | 1778.236 | 14950.006 | 1439.135 | 247225.550 | 6609.341 | 1018.786 | 265.627 |
| x | | 9221.208 | 1950.654 | 1787.091 | 14975.554 | 1499.558 | 248252.020 | 6505.127 | 1092.750 | 278.649 |
| σ | | 379.158 | 69.788 | 12.727 | 192.880 | 54.185 | 1313.813 | 104.739 | 69.345 | 11.518 |
| %RSD | | 4.112 | 3.578 | 0.712 | 1.288 | 3.613 | 0.529 | 1.610 | 6.346 | 4.133 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:59:33 | 1314.123 | 607.825 | 635.952 | 203.126 | 62.500 | 62.500 | 317.712 | 75.521 | 22.917 |
| 2 | 02:00:41 | 1315.686 | 668.766 | 598.450 | 219.793 | 51.563 | 51.563 | 317.191 | 93.750 | 21.875 |
| 3 | 02:01:49 | 1225.053 | 598.450 | 596.887 | 207.293 | 68.750 | 68.750 | 340.108 | 94.271 | 22.396 |
| x | | 1284.954 | 625.014 | 610.430 | 210.071 | 60.938 | 60.938 | 325.004 | 87.847 | 22.396 |
| σ | | 51.882 | 38.179 | 22.116 | 8.674 | 8.700 | 8.700 | 13.083 | 10.678 | 0.521 |
| %RSD | | 4.038 | 6.109 | 3.623 | 4.129 | 14.276 | 14.276 | 4.026 | 12.155 | 2.326 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:59:33 | 992.222 | 1571.962 | 1715.728 | 1050.039 | 2564.293 | 0.000 | 183723.860 | 156.251 | 1250.055 |
| 2 | 02:00:41 | 957.845 | 1662.597 | 1820.429 | 992.222 | 2668.999 | 1.563 | 184852.340 | 121.876 | 1081.291 |
| 3 | 02:01:49 | 985.972 | 1587.588 | 1757.921 | 1056.289 | 2733.074 | 7.813 | 181794.730 | 157.813 | 1129.732 |
| x | | 978.679 | 1607.382 | 1764.692 | 1032.850 | 2655.455 | 3.125 | 183456.970 | 145.313 | 1153.693 |
| σ | | 18.312 | 48.451 | 52.678 | 35.323 | 85.202 | 4.134 | 1546.179 | 20.313 | 86.896 |
| %RSD | | 1.871 | 3.014 | 2.985 | 3.420 | 3.209 | 132.288 | 0.843 | 13.979 | 7.532 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:59:33 | 18.750 | 18.750 | 1151.609 | 293.753 | 3609.831 | 1954.821 | 1859.496 | 3151.910 | 486010.180 |
| 2 | 02:00:41 | 20.313 | 20.313 | 1110.981 | 267.190 | 3634.837 | 2017.330 | 1678.224 | 3178.479 | 485425.160 |
| 3 | 02:01:49 | 21.875 | 21.875 | 1082.853 | 287.503 | 3511.369 | 2031.394 | 1854.808 | 3133.156 | 482023.790 |
| x | | 20.313 | 20.313 | 1115.148 | 282.815 | 3585.346 | 2001.182 | 1797.509 | 3154.515 | 484486.380 |
| σ | | 1.563 | 1.563 | 34.567 | 13.888 | 65.274 | 40.761 | 103.331 | 22.773 | 2152.632 |
| %RSD | | 7.692 | 7.692 | 3.100 | 4.911 | 1.821 | 2.037 | 5.749 | 0.722 | 0.444 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:59:33 | 523432.460 | 2473.652 | 5543.263 | 1804.802 | 1771.985 | 4025.567 | 472094.070 | 865.651 |
| 2 | 02:00:41 | 519675.530 | 2064.212 | 5372.885 | 1812.615 | 1759.483 | 3888.029 | 473414.840 | 592.200 |
| 3 | 02:01:49 | 521000.630 | 2161.101 | 5122.793 | 1748.545 | 1607.903 | 3956.798 | 468745.850 | 421.881 |
| x | | 521369.540 | 2232.988 | 5346.314 | 1788.654 | 1713.124 | 3956.798 | 471418.250 | 626.577 |
| σ | | 1905.441 | 213.977 | 211.490 | 34.955 | 91.338 | 68.769 | 2406.741 | 223.873 |
| %RSD | | 0.365 | 9.583 | 3.956 | 1.954 | 5.332 | 1.738 | 0.511 | 35.730 |

**S2 (S)** 05/01/2011 02:06:18 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:07:26 | 16617.472 | 7296.133 | 1364.128 | 310.941 | 5810636.600 | 3872689.200 | 535198.530 | 634771.200 | 922080.930 |
| 2 | 02:08:34 | 16587.750 | 7235.165 | 1412.570 | 329.691 | 5647511.700 | 3824243.900 | 518910.940 | 617380.250 | 896735.100 |
| 3 | 02:09:42 | 16457.912 | 7190.351 | 1489.140 | 279.690 | 5685013.700 | 3832796.700 | 523343.850 | 623619.220 | 890701.180 |
| x | | 16554.378 | 7240.550 | 1421.946 | 306.774 | 5714387.300 | 3843243.200 | 525817.770 | 625256.890 | 903172.400 |
| σ | | 84.853 | 53.097 | 63.031 | 25.260 | 85437.343 | 25857.000 | 8420.903 | 8810.376 | 16650.869 |
| %RSD | | 0.513 | 0.733 | 4.433 | 8.234 | 1.495 | 0.673 | 1.601 | 1.409 | 1.844 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:07:26 | 8286.778 | 45002.020 | 17326.125 | 76482.312 | 2648207.800 | 12430.406 | 203199.000 | 60970.457 | 6357.664 |
| 2 | 02:08:34 | 8480.641 | 43975.393 | 16752.004 | 77999.859 | 2610030.900 | 11720.431 | 199066.430 | 61310.972 | 6345.159 |
| 3 | 02:09:42 | 8071.029 | 44202.655 | 16988.220 | 79193.902 | 2616138.200 | 12195.829 | 199853.870 | 61761.343 | 6323.274 |
| x | | 8279.483 | 44393.356 | 17022.116 | 77892.025 | 2624792.300 | 12115.555 | 200706.430 | 61347.591 | 6342.032 |
| σ | | 204.904 | 539.227 | 288.558 | 1359.007 | 20507.060 | 361.730 | 2194.241 | 396.713 | 17.407 |
| %RSD | | 2.475 | 1.215 | 1.695 | 1.745 | 0.781 | 2.986 | 1.093 | 0.647 | 0.274 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:07:26 | 102461.440 | 96353.535 | 13071.603 | 364124.320 | 271778.040 | 6132081.100 | 154088.700 | 118026.180 | 25457.037 |
| 2 | 02:08:34 | 101954.710 | 94983.469 | 12963.692 | 360559.020 | 273661.940 | 6072169.500 | 152869.020 | 116309.050 | 25408.513 |
| 3 | 02:09:42 | 101196.220 | 94395.214 | 12824.504 | 361587.660 | 268741.720 | 6035827.100 | 153515.820 | 116074.340 | 24840.328 |
| x | | 101870.790 | 95244.073 | 12953.266 | 362090.330 | 271393.900 | 6080025.900 | 153491.180 | 116803.190 | 25235.293 |
| σ | | 636.771 | 1004.834 | 123.879 | 1835.035 | 2482.501 | 48605.536 | 610.213 | 1065.618 | 342.909 |
| %RSD | | 0.625 | 1.055 | 0.956 | 0.507 | 0.915 | 0.799 | 0.398 | 0.912 | 1.359 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:07:26 | 129302.850 | 61514.971 | 47927.136 | 18238.197 | 1289.121 | 1289.121 | 4005.249 | 1633.427 | 22.396 |
| 2 | 02:08:34 | 126102.560 | 60286.313 | 46732.563 | 18201.171 | 1131.295 | 1131.295 | 4007.854 | 1678.745 | 19.792 |
| 3 | 02:09:42 | 126030.050 | 61458.479 | 46977.113 | 18030.642 | 1185.987 | 1185.987 | 3923.976 | 1664.680 | 17.708 |
| x | | 127145.150 | 61086.588 | 47212.270 | 18156.670 | 1202.134 | 1202.134 | 3979.026 | 1658.951 | 19.965 |
| σ | | 1868.973 | 693.634 | 631.051 | 110.702 | 80.142 | 80.142 | 47.692 | 23.196 | 2.349 |
| %RSD | | 1.470 | 1.135 | 1.337 | 0.610 | 6.667 | 6.667 | 1.199 | 1.398 | 11.763 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:07:26 | 36021.921 | 38360.810 | 44041.220 | 24217.384 | 63377.775 | 1.563 | 166578.060 | 2979.998 | 123112.580 |
| 2 | 02:08:34 | 36072.047 | 38437.579 | 43729.327 | 24135.997 | 63653.999 | 0.000 | 173954.260 | 2937.802 | 121907.000 |
| 3 | 02:09:42 | 36136.271 | 38492.414 | 43257.581 | 24168.865 | 62980.712 | 0.000 | 173212.510 | 2979.998 | 121133.270 |
| x | | 36076.746 | 38430.267 | 43676.043 | 24174.082 | 63337.495 | 0.521 | 171248.280 | 2965.933 | 122050.950 |
| σ | | 57.320 | 66.106 | 394.527 | 40.944 | 338.446 | 0.902 | 4061.495 | 24.362 | 997.477 |
| %RSD | | 0.159 | 0.172 | 0.903 | 0.169 | 0.534 | 173.205 | 2.372 | 0.821 | 0.817 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:07:26 | 1957.947 | 1957.947 | 120035.000 | 30485.618 | 157226.090 | 115923.120 | 106792.990 | 187084.240 | 456633.180 |
| 2 | 02:08:34 | 1939.194 | 1939.194 | 118004.120 | 30250.745 | 155646.430 | 115081.990 | 104570.390 | 187128.560 | 473527.870 |
| 3 | 02:09:42 | 2064.212 | 2064.212 | 119329.120 | 30330.601 | 157786.910 | 116083.790 | 104192.650 | 187166.550 | 475472.120 |
| x | | 1987.118 | 1987.118 | 119122.750 | 30355.655 | 156886.480 | 115696.300 | 105185.340 | 187126.450 | 468544.390 |
| σ | | 67.421 | 67.421 | 1031.047 | 119.424 | 1109.916 | 538.043 | 1405.018 | 41.199 | 10361.114 |
| %RSD | | 3.393 | 3.393 | 0.866 | 0.393 | 0.707 | 0.465 | 1.336 | 0.022 | 2.211 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:07:26 | 499604.790 | 241486.440 | 580067.400 | 194553.320 | 181299.430 | 427771.040 | 445334.780 | 1092922.800 |
| 2 | 02:08:34 | 507716.190 | 239540.020 | 577045.510 | 192795.360 | 181903.910 | 427593.990 | 462729.400 | 1087823.500 |
| 3 | 02:09:42 | 515323.630 | 243204.280 | 584664.860 | 195096.600 | 184197.080 | 430311.280 | 463897.630 | 1098852.800 |
| x | | 507548.200 | 241410.250 | 580592.590 | 194148.430 | 182466.810 | 428558.770 | 457320.600 | 1093199.700 |
| σ | | 7860.766 | 1833.318 | 3836.732 | 1202.865 | 1528.638 | 1520.295 | 10396.453 | 5519.846 |
| %RSD | | 1.549 | 0.759 | 0.661 | 0.620 | 0.838 | 0.355 | 2.273 | 0.505 |

**S3 (S)** 05/01/2011 02:14:10 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:15:18 | 16060.585 | 13588.230 | 2664.311 | 278.128 | 10960867.000 | 7491558.800 | 1009716.300 | 1206963.800 | 1712870.400 |
| 2 | 02:16:26 | 15893.211 | 13597.614 | 2725.260 | 314.066 | 10809029.000 | 7475518.100 | 1009734.400 | 1208206.300 | 1702052.900 |
| 3 | 02:17:34 | 15581.931 | 13679.984 | 2659.623 | 290.628 | 10855136.000 | 7378206.700 | 1014154.400 | 1199719.800 | 1678062.300 |
| x | | 15845.242 | 13621.943 | 2683.065 | 294.274 | 10875011.000 | 7448427.900 | 1011201.700 | 1204963.300 | 1697661.900 |
| σ | | 242.906 | 50.484 | 36.617 | 18.244 | 77845.827 | 61339.902 | 2557.121 | 4583.301 | 17814.630 |
| %RSD | | 1.533 | 0.371 | 1.365 | 6.200 | 0.716 | 0.824 | 0.253 | 0.380 | 1.049 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:15:18 | 15339.481 | 84101.518 | 16975.705 | 76673.961 | 5052273.500 | 27575.049 | 392278.570 | 60498.143 | 12525.801 |
| 2 | 02:16:26 | 15395.792 | 84483.449 | 16598.700 | 76686.528 | 5029023.000 | 27100.648 | 386731.940 | 60780.588 | 12309.989 |
| 3 | 02:17:34 | 15301.941 | 84134.524 | 16237.348 | 77371.456 | 5020608.900 | 26922.388 | 387364.350 | 59588.080 | 12532.057 |
| x | | 15345.738 | 84239.831 | 16603.918 | 76910.648 | 5033968.500 | 27199.361 | 388791.620 | 60288.937 | 12455.949 |
| σ | | 47.237 | 211.624 | 369.206 | 399.121 | 16401.341 | 337.342 | 3036.296 | 623.173 | 126.444 |
| %RSD | | 0.308 | 0.251 | 2.224 | 0.519 | 0.326 | 1.240 | 0.781 | 1.034 | 1.015 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:15:18 | 196100.830 | 187000.340 | 23880.881 | 710055.870 | 535905.820 | 11948188.000 | 296338.500 | 225271.640 | 48722.005 |
| 2 | 02:16:26 | 193812.100 | 185159.400 | 23500.564 | 705884.720 | 528357.310 | 11905855.000 | 297511.980 | 223659.090 | 48121.538 |
| 3 | 02:17:34 | 194890.690 | 186976.590 | 23412.920 | 704588.650 | 526733.340 | 11782843.000 | 298445.220 | 226730.380 | 48961.886 |
| x | | 194934.540 | 186378.780 | 23598.122 | 706843.080 | 530332.160 | 11878962.000 | 297431.900 | 225220.370 | 48601.810 |
| σ | | 1144.995 | 1056.076 | 248.767 | 2856.826 | 4894.756 | 85890.523 | 1055.641 | 1536.285 | 432.876 |
| %RSD | | 0.587 | 0.567 | 1.054 | 0.404 | 0.923 | 0.723 | 0.355 | 0.682 | 0.891 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:15:18 | 247761.280 | 120161.050 | 91603.692 | 35321.738 | 2300.185 | 2300.185 | 7649.964 | 3310.800 | 17.708 |
| 2 | 02:16:26 | 247134.940 | 119190.470 | 91779.817 | 35274.225 | 2297.060 | 2297.060 | 7757.314 | 3259.747 | 20.833 |
| 3 | 02:17:34 | 245024.050 | 117501.560 | 91926.066 | 35324.349 | 2365.821 | 2365.821 | 7551.996 | 3210.777 | 18.229 |
| x | | 246640.090 | 118951.030 | 91769.858 | 35306.770 | 2321.022 | 2321.022 | 7653.091 | 3260.442 | 18.924 |
| σ | | 1434.144 | 1345.814 | 161.417 | 28.215 | 38.829 | 38.829 | 102.695 | 50.015 | 1.674 |
| %RSD | | 0.581 | 1.131 | 0.176 | 0.080 | 1.673 | 1.673 | 1.342 | 1.534 | 8.847 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:15:18 | 70834.554 | 75400.019 | 86644.774 | 47856.587 | 125465.740 | 4.688 | 171485.620 | 5699.574 | 239994.430 |
| 2 | 02:16:26 | 72780.235 | 76268.675 | 86492.292 | 48342.595 | 125347.520 | 0.000 | 170848.360 | 5637.050 | 238116.520 |
| 3 | 02:17:34 | 71899.228 | 75766.011 | 87283.017 | 48551.112 | 123887.990 | 1.563 | 169464.840 | 5483.865 | 239520.950 |
| x | | 71838.006 | 75811.568 | 86806.694 | 48250.098 | 124900.420 | 2.083 | 170599.610 | 5606.829 | 239210.630 |
| σ | | 974.284 | 436.116 | 419.494 | 356.382 | 878.773 | 2.387 | 1033.099 | 110.985 | 976.658 |
| %RSD | | 1.356 | 0.575 | 0.483 | 0.739 | 0.704 | 114.564 | 0.606 | 1.979 | 0.408 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:15:18 | 4095.900 | 4095.900 | 234347.140 | 59511.198 | 162495.500 | 230570.810 | 211507.360 | 373351.710 | 477881.810 |
| 2 | 02:16:26 | 4047.448 | 4047.448 | 233970.730 | 60353.784 | 163429.510 | 231061.450 | 210001.000 | 374262.590 | 473737.780 |
| 3 | 02:17:34 | 4100.588 | 4100.588 | 235408.120 | 60050.949 | 162071.980 | 231583.870 | 208312.490 | 369627.020 | 477670.220 |
| x | | 4081.312 | 4081.312 | 234575.330 | 59971.977 | 162665.660 | 231072.040 | 209940.280 | 372413.770 | 476429.940 |
| σ | | 29.420 | 29.420 | 745.369 | 426.808 | 694.574 | 506.616 | 1598.300 | 2455.994 | 2333.873 |
| %RSD | | 0.721 | 0.721 | 0.318 | 0.712 | 0.427 | 0.219 | 0.761 | 0.659 | 0.490 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:15:18 | 514910.690 | 483162.870 | 1169736.000 | 388627.660 | 367926.140 | 857579.460 | 462359.910 | 2250392.200 |
| 2 | 02:16:26 | 512669.720 | 483287.290 | 1171427.500 | 390493.140 | 367108.630 | 870244.800 | 464817.440 | 2215717.500 |
| 3 | 02:17:34 | 513555.380 | 480967.180 | 1170992.300 | 390899.340 | 367195.190 | 860998.040 | 458817.140 | 2227654.400 |
| x | | 513711.930 | 482472.450 | 1170718.600 | 390006.710 | 367409.990 | 862940.770 | 461998.160 | 2231254.700 |
| σ | | 1128.660 | 1305.085 | 878.323 | 1211.437 | 449.091 | 6552.356 | 3016.466 | 17615.478 |
| %RSD | | 0.220 | 0.270 | 0.075 | 0.311 | 0.122 | 0.759 | 0.653 | 0.789 |

**S4 (S)** 05/01/2011 02:22:03 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:23:11 | 15574.110 | 26993.186 | 5113.415 | 364.067 | 21274132.000 | 14451331.000 | 1960609.200 | 2356162.000 | 3363474.600 |
| 2 | 02:24:19 | 15486.515 | 26696.797 | 5271.285 | 346.879 | 20864543.000 | 14112758.000 | 1935011.500 | 2290950.000 | 3240292.000 |
| 3 | 02:25:27 | 15553.775 | 26602.872 | 5164.996 | 371.880 | 20682067.000 | 14146882.000 | 1922216.500 | 2301859.000 | 3256229.000 |
| x | | 15538.133 | 26764.285 | 5183.232 | 360.942 | 20940247.000 | 14236990.000 | 1939279.100 | 2316323.700 | 3286665.200 |
| σ | | 45.845 | 203.721 | 80.499 | 12.790 | 303205.540 | 186406.960 | 19548.901 | 34929.498 | 66994.514 |
| %RSD | | 0.295 | 0.761 | 1.553 | 3.543 | 1.448 | 1.309 | 1.008 | 1.508 | 2.038 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:23:11 | 31786.591 | 163175.060 | 16942.854 | 77157.805 | 9633517.900 | 51105.327 | 760342.520 | 57459.072 | 24636.851 |
| 2 | 02:24:19 | 31185.989 | 163029.660 | 16827.092 | 78446.043 | 9568861.000 | 49742.503 | 745415.580 | 58980.880 | 24308.163 |
| 3 | 02:25:27 | 32071.086 | 161953.460 | 16889.666 | 78631.433 | 9434722.800 | 49291.104 | 743571.540 | 58204.267 | 24233.036 |
| x | | 31681.222 | 162719.400 | 16886.537 | 78078.427 | 9545700.500 | 50046.311 | 749776.550 | 58214.740 | 24392.683 |
| σ | | 451.859 | 667.288 | 57.944 | 802.652 | 101401.080 | 944.498 | 9196.739 | 760.958 | 214.766 |
| %RSD | | 1.426 | 0.410 | 0.343 | 1.028 | 1.062 | 1.887 | 1.227 | 1.307 | 0.880 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:23:11 | 378309.290 | 364098.680 | 44461.268 | 1382105.400 | 1030114.500 | 22934753.000 | 571992.340 | 442045.900 | 94187.600 |
| 2 | 02:24:19 | 371926.180 | 357761.870 | 44428.353 | 1354254.000 | 1012936.500 | 22617393.000 | 561246.220 | 432967.890 | 93092.960 |
| 3 | 02:25:27 | 369005.000 | 354087.640 | 43699.548 | 1340663.700 | 1007201.600 | 22468362.000 | 555871.620 | 424980.200 | 92218.567 |
| x | | 373080.160 | 358649.400 | 44196.390 | 1359007.700 | 1016750.900 | 22673503.000 | 563036.730 | 433331.330 | 93166.376 |
| σ | | 4758.280 | 5064.188 | 430.592 | 21125.867 | 11923.189 | 238204.680 | 8208.157 | 8538.651 | 986.568 |
| %RSD | | 1.275 | 1.412 | 0.974 | 1.555 | 1.173 | 1.051 | 1.458 | 1.970 | 1.059 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:23:11 | 477077.460 | 229826.140 | 180343.690 | 69432.907 | 4524.154 | 4524.154 | 14912.988 | 6154.972 | 18.750 |
| 2 | 02:24:19 | 468469.830 | 225873.210 | 175804.830 | 68285.730 | 4419.434 | 4419.434 | 14418.731 | 6067.955 | 24.479 |
| 3 | 02:25:27 | 461601.590 | 224354.240 | 173767.630 | 67473.552 | 4363.166 | 4363.166 | 14403.090 | 6187.798 | 28.646 |
| x | | 469049.620 | 226684.530 | 176638.720 | 68397.396 | 4435.584 | 4435.584 | 14578.270 | 6136.908 | 23.958 |
| σ | | 7754.208 | 2824.728 | 3366.405 | 984.439 | 81.700 | 81.700 | 289.980 | 61.930 | 4.968 |
| %RSD | | 1.653 | 1.246 | 1.906 | 1.439 | 1.842 | 1.842 | 1.989 | 1.009 | 20.738 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:23:11 | 139728.450 | 147015.100 | 168190.540 | 92731.244 | 245295.840 | 7.813 | 159671.740 | 10868.195 | 457079.950 |
| 2 | 02:24:19 | 135902.750 | 143902.390 | 166502.180 | 92012.557 | 244672.790 | 10.938 | 162196.830 | 10603.934 | 452846.720 |
| 3 | 02:25:27 | 136991.200 | 144841.500 | 165577.470 | 91904.050 | 241542.060 | 1.563 | 161378.260 | 10635.207 | 452356.550 |
| x | | 137540.800 | 145253.000 | 166756.730 | 92215.950 | 243836.900 | 6.771 | 161082.280 | 10702.445 | 454094.410 |
| σ | | 1971.180 | 1596.630 | 1325.003 | 449.544 | 2011.654 | 4.774 | 1288.299 | 144.393 | 2597.144 |
| %RSD | | 1.433 | 1.099 | 0.795 | 0.487 | 0.825 | 70.501 | 0.800 | 1.349 | 0.572 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:23:11 | 7766.173 | 7766.173 | 453881.930 | 116528.010 | 313989.690 | 450502.450 | 405128.260 | 724718.470 | 453116.000 |
| 2 | 02:24:19 | 7819.327 | 7819.327 | 441987.890 | 113576.260 | 310348.910 | 445047.920 | 399976.730 | 709642.310 | 457444.470 |
| 3 | 02:25:27 | 7652.049 | 7652.049 | 444151.920 | 114680.340 | 306696.290 | 442677.510 | 398326.900 | 701224.340 | 459005.870 |
| x | | 7745.850 | 7745.850 | 446673.910 | 114928.200 | 310344.960 | 446075.960 | 401143.960 | 711861.710 | 456522.110 |
| σ | | 85.471 | 85.471 | 6335.408 | 1491.406 | 3646.700 | 4012.488 | 3547.740 | 11903.270 | 3051.344 |
| %RSD | | 1.103 | 1.103 | 1.418 | 1.298 | 1.175 | 0.900 | 0.884 | 1.672 | 0.668 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:23:11 | 487788.010 | 935211.810 | 2245672.500 | 751664.970 | 707669.860 | 1665536.100 | 431055.080 | 4311711.000 |
| 2 | 02:24:19 | 498407.800 | 922115.900 | 2221761.900 | 734790.480 | 697478.750 | 1657729.700 | 436319.130 | 4230566.900 |
| 3 | 02:25:27 | 495668.030 | 914553.820 | 2228544.100 | 738746.240 | 692706.310 | 1627878.100 | 438292.230 | 4212019.900 |
| x | | 493954.610 | 923960.510 | 2231992.800 | 741733.900 | 699284.970 | 1650381.300 | 435222.150 | 4251432.600 |
| σ | | 5513.330 | 10451.802 | 12322.729 | 8825.061 | 7643.548 | 19875.410 | 3741.208 | 53019.926 |
| %RSD | | 1.116 | 1.131 | 0.552 | 1.190 | 1.093 | 1.204 | 0.860 | 1.247 |

**S5 (S)** 05/01/2011 02:29:56 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:31:04 | 15107.985 | 51995.493 | 10026.955 | 471.883 | 40534081.000 | 27683627.000 | 3786748.800 | 4498932.600 | 6343409.500 |
| 2 | 02:32:12 | 14973.468 | 51815.675 | 10194.261 | 470.320 | 40539991.000 | 27657035.000 | 3776108.300 | 4515835.700 | 6419998.200 |
| 3 | 02:33:20 | 15021.956 | 52024.244 | 10178.625 | 531.260 | 40499474.000 | 27204037.000 | 3747005.000 | 4505420.800 | 6360495.500 |
| x | | 15034.470 | 51945.137 | 10133.280 | 491.154 | 40524515.000 | 27514900.000 | 3769954.000 | 4506729.700 | 6374634.400 |
| σ | | 68.126 | 113.035 | 92.412 | 34.741 | 21886.867 | 269543.040 | 20574.208 | 8527.202 | 40204.339 |
| %RSD | | 0.453 | 0.218 | 0.912 | 7.073 | 0.054 | 0.980 | 0.546 | 0.189 | 0.631 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:31:04 | 57960.188 | 318310.300 | 16841.171 | 75907.383 | 18437409.000 | 94988.837 | 1501693.100 | 56417.433 | 47608.887 |
| 2 | 02:32:12 | 58681.964 | 316808.720 | 16813.013 | 77569.400 | 18392787.000 | 94120.540 | 1468503.500 | 56536.653 | 47325.134 |
| 3 | 02:33:20 | 58734.649 | 316340.710 | 16956.933 | 76903.314 | 18501034.000 | 94951.460 | 1502961.900 | 56566.458 | 47461.523 |
| x | | 58458.934 | 317153.240 | 16870.372 | 76793.366 | 18443743.000 | 94686.946 | 1491052.800 | 56506.848 | 47465.181 |
| σ | | 432.729 | 1029.003 | 76.274 | 836.446 | 54400.402 | 490.878 | 19538.605 | 78.857 | 141.912 |
| %RSD | | 0.740 | 0.324 | 0.452 | 1.089 | 0.295 | 0.518 | 1.310 | 0.140 | 0.299 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:31:04 | 722244.670 | 693583.300 | 84566.753 | 2522402.300 | 1953231.100 | 44238945.000 | 1086398.500 | 845594.160 | 181326.330 |
| 2 | 02:32:12 | 723900.400 | 704398.350 | 84717.643 | 2527204.800 | 1992846.600 | 44365326.000 | 1083232.300 | 840316.300 | 180921.240 |
| 3 | 02:33:20 | 715111.410 | 700384.620 | 84843.386 | 2510734.700 | 1948511.700 | 44012053.000 | 1084217.900 | 841235.280 | 180149.070 |
| x | | 720418.830 | 699455.420 | 84709.260 | 2520113.900 | 1964863.200 | 44205441.000 | 1084616.300 | 842381.910 | 180798.880 |
| σ | | 4670.314 | 5467.075 | 138.507 | 8470.190 | 24349.001 | 179003.520 | 1620.271 | 2819.579 | 598.089 |
| %RSD | | 0.648 | 0.782 | 0.164 | 0.336 | 1.239 | 0.405 | 0.149 | 0.335 | 0.331 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:31:04 | 913998.010 | 437032.640 | 339356.830 | 133276.620 | 8679.198 | 8679.198 | 27898.569 | 12054.042 | 26.563 |
| 2 | 02:32:12 | 918133.790 | 439632.490 | 338038.630 | 132343.000 | 8596.336 | 8596.336 | 27721.663 | 12009.212 | 20.833 |
| 3 | 02:33:20 | 902201.160 | 438330.890 | 337558.730 | 132590.070 | 8502.530 | 8502.530 | 27800.462 | 12021.202 | 21.354 |
| x | | 911444.320 | 438332.010 | 338318.060 | 132736.560 | 8592.688 | 8592.688 | 27806.898 | 12028.152 | 22.917 |
| σ | | 8267.598 | 1299.924 | 931.053 | 483.743 | 88.391 | 88.391 | 88.629 | 23.209 | 3.168 |
| %RSD | | 0.907 | 0.297 | 0.275 | 0.364 | 1.029 | 1.029 | 0.319 | 0.193 | 13.824 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:31:04 | 272400.670 | 286043.150 | 326376.780 | 179541.500 | 472255.520 | 3.125 | 158232.420 | 20624.252 | 869501.530 |
| 2 | 02:32:12 | 269864.150 | 285845.500 | 326635.720 | 182547.990 | 474756.720 | 1.563 | 154839.300 | 20813.589 | 867414.590 |
| 3 | 02:33:20 | 272547.180 | 285906.070 | 327399.790 | 180562.050 | 471696.890 | 7.813 | 153680.000 | 20844.884 | 871477.590 |
| x | | 271604.000 | 285931.580 | 326804.100 | 180883.850 | 472903.040 | 4.167 | 155583.910 | 20760.908 | 869464.570 |
| σ | | 1508.537 | 101.262 | 531.885 | 1528.860 | 1629.450 | 3.253 | 2365.791 | 119.378 | 2031.750 |
| %RSD | | 0.555 | 0.035 | 0.163 | 0.845 | 0.345 | 78.062 | 1.521 | 0.575 | 0.234 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:31:04 | 15117.369 | 15117.369 | 853434.120 | 221829.330 | 604116.820 | 864137.140 | 775774.280 | 1384042.700 | 444989.900 |
| 2 | 02:32:12 | 15190.885 | 15190.885 | 857574.480 | 221907.090 | 603318.500 | 866777.620 | 782316.990 | 1387102.000 | 446042.280 |
| 3 | 02:33:20 | 14924.980 | 14924.980 | 854209.730 | 222365.700 | 606217.110 | 857027.450 | 781038.890 | 1390996.900 | 440742.480 |
| x | | 15077.745 | 15077.745 | 855072.780 | 222034.040 | 604550.810 | 862647.410 | 779710.050 | 1387380.500 | 443924.890 |
| σ | | 137.310 | 137.310 | 2200.976 | 289.845 | 1497.244 | 5042.911 | 3467.872 | 3485.480 | 2805.828 |
| %RSD | | 0.911 | 0.911 | 0.257 | 0.131 | 0.248 | 0.585 | 0.445 | 0.251 | 0.632 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:31:04 | 481217.590 | 1780324.300 | 4264169.000 | 1412833.500 | 1326791.400 | 3139866.200 | 420193.320 | 8203571.900 |
| 2 | 02:32:12 | 483179.030 | 1773480.700 | 4257058.800 | 1411148.000 | 1339870.800 | 3130660.300 | 421486.870 | 8236822.200 |
| 3 | 02:33:20 | 475892.010 | 1755894.300 | 4292409.900 | 1415226.500 | 1331877.400 | 3144426.000 | 411738.120 | 8249336.500 |
| x | | 480096.210 | 1769899.800 | 4271212.600 | 1413069.300 | 1332846.500 | 3138317.500 | 417806.100 | 8229910.200 |
| σ | | 3770.715 | 12602.525 | 18698.514 | 2049.432 | 6593.328 | 7012.303 | 5294.679 | 23652.314 |
| %RSD | | 0.785 | 0.712 | 0.438 | 0.145 | 0.495 | 0.223 | 1.267 | 0.287 |

**ICV** 05/01/2011 02:37:50 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:38:57 | 15381.714 | 5085.801 | 5355.691 | 279.690 | 919290.690 | 357500.770 | 48544.841 | 58401.947 | 172013.780 |
| 2 | 02:40:05 | 15337.917 | 5152.492 | 5240.023 | 303.128 | 880623.020 | 339292.840 | 46132.179 | 55255.091 | 166476.890 |
| 3 | 02:41:13 | 15708.632 | 5064.439 | 5197.820 | 253.127 | 876706.880 | 336760.530 | 46034.991 | 55567.235 | 167242.000 |
| x | | 15476.088 | 5100.911 | 5264.512 | 278.649 | 892206.860 | 344518.050 | 46904.004 | 56408.091 | 168577.560 |
| σ | | 202.576 | 45.930 | 81.735 | 25.017 | 23536.872 | 11314.438 | 1421.838 | 1733.769 | 3000.347 |
| %RSD | | 1.309 | 0.900 | 1.553 | 8.978 | 2.638 | 3.284 | 3.031 | 3.074 | 1.780 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:38:57 | 29195.428 | 1168.798 | 16551.771 | 76171.282 | 839238.440 | 1907.940 | 31268.558 | 57143.749 | 22805.689 |
| 2 | 02:40:05 | 28412.602 | 1060.977 | 16617.472 | 78191.528 | 810309.780 | 1790.737 | 30797.223 | 57992.471 | 22267.341 |
| 3 | 02:41:13 | 27567.198 | 1004.723 | 16956.933 | 77751.637 | 814861.150 | 1775.110 | 30300.851 | 58456.858 | 22732.134 |
| x | | 28391.742 | 1078.166 | 16708.725 | 77371.482 | 821469.790 | 1824.596 | 30788.877 | 57864.359 | 22601.721 |
| σ | | 814.315 | 83.377 | 217.450 | 1062.420 | 15555.462 | 72.600 | 483.907 | 665.863 | 291.908 |
| %RSD | | 2.868 | 7.733 | 1.301 | 1.373 | 1.894 | 3.979 | 1.572 | 1.151 | 1.292 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:38:57 | 74206.293 | 68396.153 | 9285.829 | 57600.264 | 100890.950 | 945257.340 | 23965.398 | 86912.015 | 18862.444 |
| 2 | 02:40:05 | 72533.673 | 68038.199 | 9040.360 | 55688.017 | 99045.288 | 921688.000 | 23353.448 | 84791.516 | 18558.922 |
| 3 | 02:41:13 | 73138.307 | 67391.394 | 8946.551 | 55761.741 | 98134.346 | 922383.960 | 23207.898 | 84634.339 | 18389.954 |
| x | | 73292.758 | 67941.916 | 9090.913 | 56350.007 | 99356.861 | 929776.440 | 23508.915 | 85445.957 | 18603.774 |
| σ | | 846.939 | 509.252 | 175.198 | 1083.381 | 1404.465 | 13411.371 | 401.969 | 1272.074 | 239.417 |
| %RSD | | 1.156 | 0.750 | 1.927 | 1.923 | 1.414 | 1.442 | 1.710 | 1.489 | 1.287 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:38:57 | 48410.010 | 23287.716 | 35016.300 | 26636.789 | 1746.982 | 1746.982 | 5586.509 | 2429.373 | 17.708 |
| 2 | 02:40:05 | 46743.536 | 22879.244 | 34522.914 | 26103.515 | 1756.358 | 1756.358 | 5629.234 | 2392.388 | 16.146 |
| 3 | 02:41:13 | 47270.265 | 22941.844 | 34168.939 | 26416.589 | 1721.979 | 1721.979 | 5538.573 | 2361.133 | 21.354 |
| x | | 47474.604 | 23036.268 | 34569.384 | 26385.631 | 1741.773 | 1741.773 | 5584.772 | 2394.298 | 18.403 |
| σ | | 851.821 | 219.998 | 425.587 | 267.982 | 17.772 | 17.772 | 45.355 | 34.160 | 2.673 |
| %RSD | | 1.794 | 0.955 | 1.231 | 1.016 | 1.020 | 1.020 | 0.812 | 1.427 | 14.523 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:38:57 | 78893.811 | 141637.740 | 151429.600 | 89369.294 | 235246.110 | 3.125 | 162378.560 | 1918.879 | 91219.999 |
| 2 | 02:40:05 | 78794.829 | 138747.080 | 149631.110 | 88216.852 | 231868.110 | 3.125 | 164197.610 | 1957.947 | 89688.472 |
| 3 | 02:41:13 | 79442.149 | 141745.050 | 151753.320 | 87966.880 | 230248.480 | 7.813 | 163805.650 | 2003.265 | 88820.575 |
| x | | 79043.596 | 140709.960 | 150938.010 | 88517.675 | 232454.230 | 4.688 | 163460.610 | 1960.030 | 89909.682 |
| σ | | 348.687 | 1700.747 | 1143.324 | 748.039 | 2549.847 | 2.706 | 957.355 | 42.232 | 1214.911 |
| %RSD | | 0.441 | 1.209 | 0.757 | 0.845 | 1.097 | 57.735 | 0.586 | 2.155 | 1.351 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:38:57 | 1564.148 | 1564.148 | 88548.582 | 22840.119 | 302864.260 | 167585.050 | 16207.626 | 28793.050 | 440565.260 |
| 2 | 02:40:05 | 1496.953 | 1496.953 | 87144.676 | 22325.243 | 300051.140 | 166628.640 | 15780.586 | 27969.541 | 449591.600 |
| 3 | 02:41:13 | 1543.833 | 1543.833 | 88369.352 | 22223.523 | 298095.200 | 166968.520 | 15519.363 | 27964.844 | 451136.040 |
| x | | 1534.978 | 1534.978 | 88020.870 | 22462.962 | 300336.870 | 167060.740 | 15835.858 | 28242.478 | 447097.630 |
| σ | | 34.461 | 34.461 | 764.080 | 330.564 | 2397.336 | 484.825 | 347.445 | 476.815 | 5709.665 |
| %RSD | | 2.245 | 2.245 | 0.868 | 1.472 | 0.798 | 0.290 | 2.194 | 1.688 | 1.277 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:38:57 | 477185.670 | 366212.630 | 881207.450 | 298980.600 | 269200.230 | 646854.900 | 434885.780 | 6843.826 |
| 2 | 02:40:05 | 482918.890 | 360957.970 | 871850.930 | 294139.460 | 262931.970 | 636784.450 | 440655.480 | 3992.745 |
| 3 | 02:41:13 | 485147.200 | 358767.890 | 870249.780 | 292836.540 | 263368.020 | 643054.600 | 444084.240 | 4152.166 |
| x | | 481750.590 | 361979.500 | 874436.050 | 295318.870 | 265166.740 | 642231.320 | 439875.160 | 4996.246 |
| σ | | 4107.335 | 3826.055 | 5918.598 | 3237.381 | 3499.902 | 5085.453 | 4648.610 | 1602.036 |
| %RSD | | 0.853 | 1.057 | 0.677 | 1.096 | 1.320 | 0.792 | 1.057 | 32.065 |

**ICB** 05/01/2011 02:45:43 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:46:51 | 16037.122 | 26.042 | 139.063 | 253.127 | 141016.010 | 9748.638 | 1421.946 | 1554.772 | 2417.392 |
| 2 | 02:47:59 | 16464.169 | 34.375 | 137.501 | 240.627 | 140881.890 | 10799.393 | 1396.943 | 1825.117 | 2634.618 |
| 3 | 02:49:07 | 16026.172 | 20.833 | 100.000 | 207.814 | 135278.110 | 7969.410 | 1089.104 | 1389.130 | 2026.706 |
| x | | 16175.821 | 27.083 | 125.521 | 233.856 | 139058.670 | 9505.813 | 1302.664 | 1589.673 | 2359.572 |
| σ | | 249.777 | 6.831 | 22.116 | 23.403 | 3274.746 | 1430.533 | 185.371 | 220.079 | 308.053 |
| %RSD | | 1.544 | 25.221 | 17.619 | 10.007 | 2.355 | 15.049 | 14.230 | 13.844 | 13.055 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:46:51 | 581.262 | 1093.792 | 16817.706 | 78452.327 | 107879.230 | 29.688 | 1207.864 | 60407.134 | 67.188 |
| 2 | 02:47:59 | 590.637 | 1067.227 | 16787.983 | 79385.586 | 106001.190 | 34.375 | 1143.796 | 60090.176 | 62.500 |
| 3 | 02:49:07 | 500.009 | 901.591 | 17058.616 | 78351.777 | 102886.350 | 32.813 | 1062.540 | 59065.604 | 35.938 |
| x | | 557.303 | 1020.870 | 16888.102 | 78729.897 | 105588.930 | 32.292 | 1138.066 | 59854.305 | 55.208 |
| σ | | 49.839 | 104.149 | 148.416 | 570.065 | 2521.841 | 2.387 | 72.831 | 701.179 | 16.853 |
| %RSD | | 8.943 | 10.202 | 0.879 | 0.724 | 2.388 | 7.391 | 6.400 | 1.171 | 30.526 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:46:51 | 3323.824 | 504.696 | 1082.853 | 3403.530 | 917.217 | 43773.211 | 1534.457 | 339.067 | 120.313 |
| 2 | 02:47:59 | 3420.722 | 543.760 | 1100.042 | 3416.033 | 945.344 | 44887.598 | 1579.775 | 415.631 | 106.250 |
| 3 | 02:49:07 | 3219.113 | 476.570 | 1018.786 | 3367.584 | 634.389 | 42448.911 | 1478.202 | 307.816 | 96.875 |
| x | | 3321.220 | 508.342 | 1067.227 | 3395.716 | 832.317 | 43703.240 | 1530.811 | 354.171 | 107.813 |
| σ | | 100.830 | 33.743 | 42.823 | 25.152 | 171.986 | 1220.849 | 50.885 | 55.472 | 11.797 |
| %RSD | | 3.036 | 6.638 | 4.013 | 0.741 | 20.664 | 2.793 | 3.324 | 15.662 | 10.942 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:46:51 | 451.570 | 190.626 | 178.126 | 102.605 | 6.250 | 6.250 | 152.084 | 31.771 | 19.792 |
| 2 | 02:47:59 | 496.884 | 204.689 | 268.753 | 104.167 | 7.813 | 7.813 | 163.022 | 27.083 | 19.792 |
| 3 | 02:49:07 | 339.067 | 128.126 | 167.188 | 84.896 | 9.375 | 9.375 | 164.063 | 24.479 | 21.354 |
| x | | 429.173 | 174.480 | 204.689 | 97.223 | 7.813 | 7.813 | 159.723 | 27.778 | 20.313 |
| σ | | 81.257 | 40.755 | 55.749 | 10.704 | 1.563 | 1.563 | 6.636 | 3.695 | 0.902 |
| %RSD | | 18.933 | 23.358 | 27.236 | 11.009 | 20.000 | 20.000 | 4.155 | 13.302 | 4.441 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:46:51 | 229.689 | 423.444 | 406.256 | 242.190 | 682.829 | 4.688 | 169725.720 | 145.313 | 485.946 |
| 2 | 02:47:59 | 201.564 | 360.942 | 410.943 | 232.814 | 550.011 | 1.563 | 170294.940 | 134.376 | 515.634 |
| 3 | 02:49:07 | 153.126 | 296.878 | 270.315 | 193.751 | 420.319 | 1.563 | 170976.440 | 128.126 | 300.003 |
| x | | 194.793 | 360.421 | 362.505 | 222.918 | 551.053 | 2.604 | 170332.370 | 135.938 | 433.861 |
| σ | | 38.728 | 63.284 | 79.873 | 25.691 | 131.258 | 1.804 | 626.199 | 8.700 | 116.871 |
| %RSD | | 19.882 | 17.558 | 22.034 | 11.525 | 23.820 | 69.282 | 0.368 | 6.400 | 26.937 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:46:51 | 3.125 | 3.125 | 456.257 | 100.000 | 768.771 | 929.718 | 307.816 | 509.384 | 452804.800 |
| 2 | 02:47:59 | 10.938 | 10.938 | 479.696 | 112.500 | 728.144 | 809.398 | 315.628 | 539.073 | 458167.080 |
| 3 | 02:49:07 | 4.688 | 4.688 | 318.754 | 75.000 | 682.829 | 628.139 | 206.251 | 351.567 | 452338.820 |
| x | | 6.250 | 6.250 | 418.235 | 95.834 | 726.581 | 789.085 | 276.565 | 466.675 | 454436.900 |
| σ | | 4.134 | 4.134 | 86.947 | 19.094 | 42.992 | 151.812 | 61.019 | 100.785 | 3238.822 |
| %RSD | | 66.144 | 66.144 | 20.789 | 19.924 | 5.917 | 19.239 | 22.063 | 21.596 | 0.713 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:46:51 | 488226.040 | 1386.005 | 3225.364 | 850.025 | 760.958 | 1898.564 | 445278.370 | 2318.938 |
| 2 | 02:47:59 | 494259.530 | 1228.178 | 3006.566 | 921.905 | 864.089 | 2082.964 | 455736.470 | 2495.530 |
| 3 | 02:49:07 | 488012.680 | 801.585 | 1998.577 | 628.139 | 620.326 | 1486.015 | 448027.990 | 1821.991 |
| x | | 490166.080 | 1138.589 | 2743.503 | 800.023 | 748.457 | 1822.514 | 449680.940 | 2212.153 |
| σ | | 3546.635 | 302.335 | 654.334 | 153.133 | 122.361 | 305.655 | 5421.453 | 349.236 |
| %RSD | | 0.724 | 26.553 | 23.850 | 19.141 | 16.348 | 16.771 | 1.206 | 15.787 |

**ICSA** 05/01/2011 03:35:35 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:36:43 | 13359.369 | 11.458 | 43.750 | 2081.402 | 35743995.000 | 24328021.000 | 3327663.600 | 3957707.500 | 27791183.000 |
| 2 | 03:37:51 | 13045.016 | 16.667 | 46.875 | 2125.158 | 35672090.000 | 24257689.000 | 3331287.900 | 3954870.400 | 27432510.000 |
| 3 | 03:38:59 | 12708.775 | 10.938 | 37.500 | 1981.387 | 35864935.000 | 24288115.000 | 3322205.100 | 3968036.500 | 27298400.000 |
| x | | 13037.720 | 13.021 | 42.708 | 2062.649 | 35760340.000 | 24291275.000 | 3327052.200 | 3960204.800 | 27507364.000 |
| σ | | 325.358 | 3.168 | 4.774 | 73.697 | 97456.088 | 35272.053 | 4572.169 | 6929.248 | 254776.660 |
| %RSD | | 2.496 | 24.331 | 11.177 | 3.573 | 0.273 | 0.145 | 0.137 | 0.175 | 0.926 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:36:43 | 3784.846 | 1391581.200 | 167660.930 | 207080.710 | 32998333.000 | 86886.647 | 1332021.100 | 52284.566 | 88380.357 |
| 2 | 03:37:51 | 3589.913 | 1396402.100 | 166459.500 | 209839.280 | 32858222.000 | 86205.235 | 1315571.600 | 52104.222 | 87935.437 |
| 3 | 03:38:59 | 3368.639 | 1383347.100 | 166614.420 | 210261.040 | 32571784.000 | 86955.651 | 1313704.700 | 51128.832 | 87951.158 |
| x | | 3581.133 | 1390443.500 | 166911.620 | 209060.340 | 32809446.000 | 86682.511 | 1320432.500 | 51839.207 | 88088.984 |
| σ | | 208.242 | 6601.443 | 653.531 | 1727.332 | 217417.160 | 414.771 | 10079.393 | 621.776 | 252.459 |
| %RSD | | 5.815 | 0.475 | 0.392 | 0.826 | 0.663 | 0.478 | 0.763 | 1.199 | 0.287 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:36:43 | 16431.319 | 12874.549 | 7159.606 | 4525569.500 | 8804.573 | 78635807.000 | 1921284.900 | 1018.786 | 959.407 |
| 2 | 03:37:51 | 17254.163 | 12905.827 | 7395.664 | 4452319.500 | 8316.254 | 78489167.000 | 1914776.900 | 954.719 | 1039.100 |
| 3 | 03:38:59 | 17858.030 | 12924.594 | 7575.446 | 4466165.100 | 9135.269 | 78661883.000 | 1905721.700 | 1034.412 | 1059.414 |
| x | | 17181.171 | 12901.657 | 7376.905 | 4481351.400 | 8752.032 | 78595619.000 | 1913927.800 | 1002.639 | 1019.307 |
| σ | | 716.151 | 25.282 | 208.553 | 38914.766 | 412.028 | 93107.511 | 7816.283 | 42.229 | 52.860 |
| %RSD | | 4.168 | 0.196 | 2.827 | 0.868 | 4.708 | 0.118 | 0.408 | 4.212 | 5.186 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:36:43 | 3406.656 | 1818.866 | 1926.692 | 227.085 | 64.063 | 64.063 | 150.001 | 14.063 | 23.958 |
| 2 | 03:37:51 | 3420.722 | 1737.606 | 2143.911 | 224.481 | 67.188 | 67.188 | 130.209 | 15.625 | 21.354 |
| 3 | 03:38:59 | 3494.177 | 1700.101 | 1825.117 | 243.231 | 60.938 | 60.938 | 136.459 | 13.021 | 20.313 |
| x | | 3440.519 | 1752.191 | 1965.240 | 231.599 | 64.063 | 64.063 | 138.890 | 14.236 | 21.875 |
| σ | | 46.999 | 60.711 | 162.855 | 10.158 | 3.125 | 3.125 | 10.117 | 1.311 | 1.878 |
| %RSD | | 1.366 | 3.465 | 8.287 | 4.386 | 4.878 | 4.878 | 7.284 | 9.207 | 8.585 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:36:43 | 293324.520 | 525694.540 | 566559.960 | 328451.650 | 858542.620 | 3.125 | 148619.070 | 73.438 | 20.313 |
| 2 | 03:37:51 | 296086.890 | 527091.500 | 560346.970 | 328341.350 | 865142.190 | 3.125 | 145648.080 | 87.500 | 40.625 |
| 3 | 03:38:59 | 290934.200 | 523656.060 | 564606.740 | 328250.230 | 860979.800 | 6.250 | 147068.770 | 87.500 | 39.063 |
| x | | 293448.540 | 525480.700 | 563837.890 | 328347.740 | 861554.870 | 4.167 | 147111.970 | 82.813 | 33.333 |
| σ | | 2578.585 | 1727.675 | 3177.051 | 100.865 | 3337.160 | 1.804 | 1485.966 | 8.119 | 11.303 |
| %RSD | | 0.879 | 0.329 | 0.563 | 0.031 | 0.387 | 43.301 | 1.010 | 9.804 | 33.910 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:36:43 | 390.630 | 390.630 | 29.688 | 512.509 | 160.938 | 920.342 | 229.689 | 389.068 | 424838.580 |
| 2 | 03:37:51 | 396.881 | 396.881 | 42.188 | 485.946 | 153.126 | 928.155 | 206.251 | 364.067 | 431106.600 |
| 3 | 03:38:59 | 379.693 | 379.693 | 32.813 | 481.258 | 192.189 | 932.843 | 212.502 | 356.254 | 427790.360 |
| x | | 389.068 | 389.068 | 34.896 | 493.238 | 168.751 | 927.113 | 216.147 | 369.796 | 427911.850 |
| σ | | 8.700 | 8.700 | 6.505 | 16.853 | 20.670 | 6.315 | 12.137 | 17.141 | 3135.774 |
| %RSD | | 2.236 | 2.236 | 18.642 | 3.417 | 12.249 | 0.681 | 5.615 | 4.635 | 0.733 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:36:43 | 463216.690 | 221.877 | 387.505 | 6657.801 | 5382.264 | 13041.888 | 405465.760 | 117.188 |
| 2 | 03:37:51 | 465356.450 | 176.564 | 362.505 | 6488.973 | 5546.389 | 13390.648 | 405595.940 | 148.438 |
| 3 | 03:38:59 | 466405.460 | 165.626 | 343.754 | 6667.180 | 5118.104 | 13436.003 | 408564.700 | 150.001 |
| x | | 464992.870 | 188.022 | 364.588 | 6604.652 | 5348.919 | 13289.513 | 406542.130 | 138.542 |
| σ | | 1625.181 | 29.825 | 21.950 | 100.290 | 216.081 | 215.645 | 1752.803 | 18.510 |
| %RSD | | 0.350 | 15.862 | 6.020 | 1.518 | 4.040 | 1.623 | 0.431 | 13.360 |

**ICSAB** 05/01/2011 03:43:30 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:44:38 | 13173.258 | 931.280 | 32.813 | 2125.158 | 36320621.000 | 24577250.000 | 3345542.400 | 3993001.000 | 27967176.000 |
| 2 | 03:45:46 | 12977.767 | 933.364 | 29.688 | 2120.470 | 36197843.000 | 24500070.000 | 3355144.500 | 4004794.200 | 27581631.000 |
| 3 | 03:46:54 | 12887.060 | 921.384 | 32.813 | 2143.911 | 36040417.000 | 24461155.000 | 3330582.700 | 3961064.700 | 27789573.000 |
| x | | 13012.695 | 928.676 | 31.771 | 2129.846 | 36186294.000 | 24512825.000 | 3343756.500 | 3986286.600 | 27779460.000 |
| σ | | 146.261 | 6.401 | 1.804 | 12.404 | 140458.460 | 59089.305 | 12377.927 | 22624.752 | 192971.470 |
| %RSD | | 1.124 | 0.689 | 5.679 | 0.582 | 0.388 | 0.241 | 0.370 | 0.568 | 0.695 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:44:38 | 4069.341 | 1398315.400 | 167121.860 | 206151.790 | 32724140.000 | 85503.697 | 1319066.600 | 52019.539 | 88624.048 |
| 2 | 03:45:46 | 3774.309 | 1389306.200 | 167436.440 | 209997.830 | 33101560.000 | 87363.923 | 1327335.500 | 51456.568 | 88796.992 |
| 3 | 03:46:54 | 3458.202 | 1376973.200 | 165253.430 | 211678.620 | 32827022.000 | 86021.225 | 1324998.400 | 52217.133 | 87154.108 |
| x | | 3767.284 | 1388198.300 | 166603.910 | 209276.080 | 32884241.000 | 86296.281 | 1323800.200 | 51897.747 | 88191.716 |
| σ | | 305.630 | 10714.150 | 1180.078 | 2833.220 | 195107.640 | 960.131 | 4262.700 | 394.639 | 902.746 |
| %RSD | | 8.113 | 0.772 | 0.708 | 1.354 | 0.593 | 1.113 | 0.322 | 0.760 | 1.024 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:44:38 | 29212.650 | 25140.853 | 8601.026 | 4487808.400 | 28655.657 | 79150676.000 | 1917176.200 | 16365.619 | 4389.737 |
| 2 | 03:45:46 | 29774.746 | 25419.470 | 8896.519 | 4484378.900 | 28838.004 | 79359258.000 | 1935585.300 | 16238.912 | 4195.929 |
| 3 | 03:46:54 | 30614.018 | 25350.598 | 8794.894 | 4493054.500 | 28365.138 | 79271608.000 | 1930377.100 | 16287.404 | 4344.411 |
| x | | 29867.138 | 25303.640 | 8764.146 | 4488413.900 | 28619.600 | 79260514.000 | 1927712.900 | 16297.312 | 4310.025 |
| σ | | 705.237 | 145.123 | 150.127 | 4369.354 | 238.486 | 104732.550 | 9489.350 | 63.932 | 101.376 |
| %RSD | | 2.361 | 0.574 | 1.713 | 0.097 | 0.833 | 0.132 | 0.492 | 0.392 | 2.352 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:44:38 | 11934.671 | 5718.332 | 5066.523 | 2694.525 | 226.564 | 226.564 | 645.848 | 244.794 | 16.146 |
| 2 | 03:45:46 | 11387.349 | 5843.382 | 4897.714 | 2716.404 | 217.189 | 217.189 | 649.494 | 250.002 | 26.042 |
| 3 | 03:46:54 | 11488.993 | 5696.448 | 5035.262 | 2630.450 | 262.502 | 262.502 | 663.036 | 227.085 | 23.958 |
| x | | 11603.671 | 5752.721 | 4999.833 | 2680.460 | 235.419 | 235.419 | 652.793 | 240.627 | 22.049 |
| σ | | 291.125 | 79.274 | 89.808 | 44.670 | 23.919 | 23.919 | 9.057 | 12.013 | 5.217 |
| %RSD | | 2.509 | 1.378 | 1.796 | 1.666 | 10.160 | 10.160 | 1.387 | 4.992 | 23.661 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:44:38 | 291474.730 | 518130.270 | 564072.170 | 327941.700 | 860389.540 | 4.688 | 146134.250 | 439.069 | 15843.155 |
| 2 | 03:45:46 | 294059.720 | 527501.540 | 564546.620 | 331239.940 | 868028.370 | 3.125 | 145242.420 | 459.382 | 16105.949 |
| 3 | 03:46:54 | 294557.320 | 523735.460 | 561805.750 | 331465.390 | 867821.010 | 6.250 | 147446.070 | 396.881 | 15705.503 |
| x | | 293363.920 | 523122.420 | 563474.850 | 330215.670 | 865412.970 | 4.688 | 146274.250 | 431.777 | 15884.869 |
| σ | | 1654.894 | 4715.617 | 1464.820 | 1972.543 | 4351.657 | 1.563 | 1108.476 | 31.883 | 203.456 |
| %RSD | | 0.564 | 0.901 | 0.260 | 0.597 | 0.503 | 33.333 | 0.758 | 7.384 | 1.281 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:44:38 | 678.141 | 678.141 | 15552.211 | 4649.194 | 126.563 | 17011.685 | 3212.861 | 5626.108 | 425142.740 |
| 2 | 03:45:46 | 714.080 | 714.080 | 15926.060 | 4747.664 | 139.063 | 17379.315 | 3058.140 | 5713.642 | 420738.630 |
| 3 | 03:46:54 | 668.766 | 668.766 | 15225.297 | 4766.420 | 131.251 | 16819.270 | 3140.970 | 5630.797 | 426777.930 |
| x | | 686.996 | 686.996 | 15567.856 | 4721.093 | 132.292 | 17070.090 | 3137.324 | 5656.849 | 424219.770 |
| σ | | 23.920 | 23.920 | 350.644 | 62.968 | 6.315 | 284.554 | 77.425 | 49.240 | 3123.651 |
| %RSD | | 3.482 | 3.482 | 2.252 | 1.334 | 4.773 | 1.667 | 2.468 | 0.870 | 0.736 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:44:38 | 465619.500 | 34883.162 | 83818.613 | 36183.265 | 31005.485 | 75019.901 | 408558.270 | 170.314 |
| 2 | 03:45:46 | 460515.820 | 35343.667 | 84918.832 | 36468.364 | 31422.019 | 75772.294 | 403276.970 | 115.625 |
| 3 | 03:46:54 | 466068.160 | 35047.627 | 84851.245 | 35819.851 | 30936.586 | 74858.118 | 407111.590 | 162.501 |
| x | | 464067.820 | 35091.485 | 84529.563 | 36157.160 | 31121.364 | 75216.771 | 406315.610 | 149.480 |
| σ | | 3084.298 | 233.364 | 616.628 | 325.044 | 262.644 | 487.850 | 2729.143 | 29.578 |
| %RSD | | 0.665 | 0.665 | 0.729 | 0.899 | 0.844 | 0.649 | 0.672 | 19.787 |

**ICSAX10** 05/01/2011 03:51:24 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:52:32 | 13511.074 | 5.729 | 28.125 | 403.131 | 4081894.400 | 2710007.500 | 371067.170 | 430399.820 | 3017896.300 |
| 2 | 03:53:40 | 13634.629 | 5.208 | 18.750 | 451.570 | 3968243.800 | 2629573.300 | 345933.660 | 418899.830 | 2960620.900 |
| 3 | 03:54:48 | 13359.369 | 6.250 | 34.375 | 425.006 | 3948795.600 | 2625318.700 | 347289.400 | 418888.570 | 2962440.000 |
| x | | 13501.690 | 5.729 | 27.083 | 426.569 | 3999644.600 | 2654966.500 | 354763.410 | 422729.410 | 2980319.100 |
| σ | | 137.870 | 0.521 | 7.864 | 24.257 | 71891.103 | 47714.349 | 14135.732 | 6642.778 | 32555.521 |
| %RSD | | 1.021 | 9.091 | 29.038 | 5.687 | 1.797 | 1.797 | 3.985 | 1.571 | 1.092 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:52:32 | 1255.996 | 152269.710 | 31368.777 | 86030.139 | 3716143.200 | 11511.551 | 143249.000 | 54154.011 | 9657.951 |
| 2 | 03:53:40 | 1872.403 | 147768.120 | 30886.478 | 86067.865 | 3643243.900 | 10726.633 | 139349.780 | 54252.823 | 9345.243 |
| 3 | 03:54:48 | 1682.739 | 148431.190 | 30537.291 | 86058.433 | 3599958.300 | 10252.232 | 139318.230 | 55708.409 | 9412.475 |
| x | | 1603.712 | 149489.670 | 30930.849 | 86052.146 | 3653115.100 | 10830.139 | 140639.000 | 54705.081 | 9471.890 |
| σ | | 315.711 | 2430.302 | 417.515 | 19.633 | 58718.077 | 636.008 | 2260.380 | 870.311 | 164.603 |
| %RSD | | 19.686 | 1.626 | 1.350 | 0.023 | 1.607 | 5.873 | 1.607 | 1.591 | 1.738 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:52:32 | 5815.246 | 1618.842 | 2084.527 | 508415.410 | 989.097 | 8719877.300 | 217022.340 | 125.001 | 139.063 |
| 2 | 03:53:40 | 5696.448 | 1592.276 | 2211.109 | 490204.590 | 901.591 | 8600944.700 | 212390.020 | 140.626 | 121.876 |
| 3 | 03:54:48 | 5713.642 | 1459.450 | 2117.344 | 489008.370 | 887.528 | 8448288.600 | 209513.300 | 110.938 | 132.813 |
| x | | 5741.779 | 1556.856 | 2137.660 | 495876.120 | 926.072 | 8589703.500 | 212975.220 | 125.521 | 131.251 |
| σ | | 64.203 | 85.396 | 65.691 | 10875.797 | 55.032 | 136142.850 | 3788.570 | 14.851 | 8.700 |
| %RSD | | 1.118 | 5.485 | 3.073 | 2.193 | 5.943 | 1.585 | 1.779 | 11.831 | 6.628 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:52:32 | 503.134 | 218.752 | 273.440 | 69.792 | 26.563 | 26.563 | 116.146 | 17.708 | 20.833 |
| 2 | 03:53:40 | 457.820 | 223.439 | 250.002 | 60.938 | 17.188 | 17.188 | 142.188 | 15.625 | 20.313 |
| 3 | 03:54:48 | 446.882 | 204.689 | 251.565 | 51.563 | 20.313 | 20.313 | 138.542 | 19.792 | 17.708 |
| x | | 469.279 | 215.627 | 258.336 | 60.764 | 21.354 | 21.354 | 132.292 | 17.708 | 19.618 |
| σ | | 29.825 | 9.758 | 13.104 | 9.116 | 4.774 | 4.774 | 14.101 | 2.083 | 1.674 |
| %RSD | | 6.356 | 4.525 | 5.073 | 15.002 | 22.354 | 22.354 | 10.659 | 11.765 | 8.534 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:52:32 | 31119.796 | 55940.563 | 60375.752 | 35345.233 | 93124.414 | 1.563 | 154354.400 | 98.438 | 40.625 |
| 2 | 03:53:40 | 30615.583 | 55079.414 | 58979.311 | 34800.148 | 90785.997 | 3.125 | 158867.540 | 101.563 | 31.250 |
| 3 | 03:54:48 | 30590.530 | 54119.506 | 58894.588 | 34522.914 | 90350.436 | 1.563 | 158671.630 | 85.938 | 25.000 |
| x | | 30775.303 | 55046.494 | 59416.550 | 34889.432 | 91420.283 | 2.083 | 157297.860 | 95.313 | 32.292 |
| σ | | 298.603 | 910.975 | 831.772 | 418.367 | 1491.803 | 0.902 | 2550.987 | 8.268 | 7.864 |
| %RSD | | 0.970 | 1.655 | 1.400 | 1.199 | 1.632 | 43.301 | 1.622 | 8.675 | 24.354 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:52:32 | 48.438 | 48.438 | 67.188 | 67.188 | 62.500 | 151.563 | 20.313 | 67.188 | 428276.480 |
| 2 | 03:53:40 | 43.750 | 43.750 | 25.000 | 67.188 | 68.750 | 123.438 | 20.313 | 48.438 | 441022.810 |
| 3 | 03:54:48 | 48.438 | 48.438 | 21.875 | 62.500 | 71.875 | 145.313 | 37.500 | 42.188 | 438717.490 |
| x | | 46.875 | 46.875 | 38.021 | 65.625 | 67.708 | 140.105 | 26.042 | 52.604 | 436005.590 |
| σ | | 2.706 | 2.706 | 25.307 | 2.706 | 4.774 | 14.768 | 9.923 | 13.010 | 6792.129 |
| %RSD | | 5.774 | 5.774 | 66.562 | 4.124 | 7.050 | 10.541 | 38.105 | 24.733 | 1.558 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 03:52:32 | 466578.150 | 182.814 | 507.822 | 839.087 | 667.203 | 1539.145 | 420651.760 | 23.438 |
| 2 | 03:53:40 | 473193.620 | 126.563 | 343.754 | 765.646 | 600.013 | 1518.831 | 430375.670 | 37.500 |
| 3 | 03:54:48 | 476468.570 | 115.625 | 239.065 | 690.642 | 615.638 | 1503.204 | 432339.920 | 25.000 |
| x | | 472080.120 | 141.667 | 363.547 | 765.125 | 627.618 | 1520.393 | 427789.120 | 28.646 |
| σ | | 5038.354 | 36.051 | 135.467 | 74.224 | 35.161 | 18.022 | 6258.673 | 7.708 |
| %RSD | | 1.067 | 25.448 | 37.263 | 9.701 | 5.602 | 1.185 | 1.463 | 26.907 |

**ICSABX10** 05/01/2011 03:59:19 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:00:27 | 13445.387 | 94.271 | 25.000 | 382.818 | 3932949.100 | 2608677.600 | 344549.240 | 412894.360 | 2917251.600 |
| 2 | 04:01:35 | 13220.177 | 89.063 | 20.313 | 431.257 | 3925942.100 | 2603068.100 | 345237.430 | 415906.430 | 2935800.700 |
| 3 | 04:02:43 | 12725.978 | 100.521 | 28.125 | 420.319 | 3966520.700 | 2646360.600 | 347111.720 | 419425.870 | 2976348.600 |
| x | | 13130.514 | 94.618 | 24.479 | 411.464 | 3941804.000 | 2619368.800 | 345632.800 | 416075.550 | 2943133.600 |
| σ | | 367.990 | 5.737 | 3.932 | 25.404 | 21690.145 | 23543.321 | 1326.206 | 3269.035 | 30223.217 |
| %RSD | | 2.803 | 6.063 | 16.063 | 6.174 | 0.550 | 0.899 | 0.384 | 0.786 | 1.027 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:00:27 | 1745.960 | 145386.050 | 30578.003 | 83197.812 | 3575166.200 | 9981.968 | 138417.340 | 53633.302 | 9359.315 |
| 2 | 04:01:35 | 1577.370 | 148186.480 | 30617.149 | 83493.279 | 3580966.900 | 10545.498 | 139368.710 | 54290.465 | 9141.987 |
| 3 | 04:02:43 | 2141.093 | 148254.370 | 30845.765 | 83892.482 | 3619591.100 | 10815.763 | 140689.380 | 53274.150 | 9556.320 |
| x | | 1821.475 | 147275.630 | 30680.306 | 83527.858 | 3591908.100 | 10447.743 | 139491.810 | 53732.639 | 9352.541 |
| σ | | 289.349 | 1636.778 | 144.623 | 348.623 | 24149.003 | 425.407 | 1141.008 | 515.388 | 207.250 |
| %RSD | | 15.885 | 1.111 | 0.471 | 0.417 | 0.672 | 4.072 | 0.818 | 0.959 | 2.216 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:00:27 | 6274.815 | 2837.782 | 2061.086 | 487873.670 | 2704.944 | 8391979.800 | 208041.060 | 1801.676 | 543.760 |
| 2 | 04:01:35 | 6174.772 | 2853.410 | 2025.144 | 488528.300 | 2875.289 | 8477138.900 | 209051.300 | 1814.178 | 531.260 |
| 3 | 04:02:43 | 6357.664 | 2911.234 | 1993.889 | 497537.610 | 2742.451 | 8598930.000 | 212106.660 | 1821.991 | 493.759 |
| x | | 6269.084 | 2867.475 | 2026.706 | 491313.190 | 2774.228 | 8489349.600 | 209733.010 | 1812.615 | 522.926 |
| σ | | 91.581 | 38.693 | 33.626 | 5400.432 | 89.508 | 104014.050 | 2116.795 | 10.247 | 26.022 |
| %RSD | | 1.461 | 1.349 | 1.659 | 1.099 | 3.226 | 1.225 | 1.009 | 0.565 | 4.976 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:00:27 | 1332.875 | 615.638 | 623.451 | 303.649 | 21.875 | 21.875 | 184.376 | 41.146 | 16.146 |
| 2 | 04:01:35 | 1275.057 | 606.263 | 592.200 | 305.732 | 26.563 | 26.563 | 195.835 | 45.833 | 14.583 |
| 3 | 04:02:43 | 1371.941 | 607.825 | 645.327 | 312.503 | 25.000 | 25.000 | 175.522 | 41.146 | 14.583 |
| x | | 1326.624 | 609.909 | 620.326 | 307.295 | 24.479 | 24.479 | 185.244 | 42.708 | 15.104 |
| σ | | 48.743 | 5.023 | 26.701 | 4.629 | 2.387 | 2.387 | 10.184 | 2.706 | 0.902 |
| %RSD | | 3.674 | 0.824 | 4.304 | 1.506 | 9.750 | 9.750 | 5.498 | 6.337 | 5.973 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:00:27 | 30125.481 | 53707.016 | 57843.431 | 33581.612 | 87768.792 | 0.000 | 155583.250 | 131.251 | 1756.358 |
| 2 | 04:01:35 | 30765.906 | 54728.068 | 57721.063 | 34090.628 | 88946.354 | 3.125 | 154709.780 | 117.188 | 1731.355 |
| 3 | 04:02:43 | 30847.331 | 55386.849 | 59489.232 | 35196.429 | 90830.026 | 1.563 | 152377.100 | 165.626 | 1698.539 |
| x | | 30579.573 | 54607.311 | 58351.242 | 34289.556 | 89181.724 | 1.563 | 154223.380 | 138.022 | 1728.750 |
| σ | | 395.357 | 846.402 | 987.425 | 825.584 | 1544.130 | 1.563 | 1657.498 | 24.919 | 28.998 |
| %RSD | | 1.293 | 1.550 | 1.692 | 2.408 | 1.731 | 100.000 | 1.075 | 18.054 | 1.677 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:00:27 | 78.125 | 78.125 | 1682.912 | 489.071 | 65.625 | 1737.606 | 289.065 | 603.138 | 430633.260 |
| 2 | 04:01:35 | 81.250 | 81.250 | 1661.034 | 543.760 | 53.125 | 1815.740 | 331.254 | 559.386 | 433249.680 |
| 3 | 04:02:43 | 70.313 | 70.313 | 1559.460 | 485.946 | 64.063 | 1922.004 | 329.691 | 617.201 | 421401.500 |
| x | | 76.563 | 76.563 | 1634.469 | 506.259 | 60.938 | 1825.117 | 316.670 | 593.242 | 428428.150 |
| σ | | 5.634 | 5.634 | 65.874 | 32.515 | 6.811 | 92.556 | 23.919 | 30.151 | 6224.286 |
| %RSD | | 7.358 | 7.358 | 4.030 | 6.423 | 11.177 | 5.071 | 7.553 | 5.082 | 1.453 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:00:27 | 473511.720 | 3637.963 | 8790.203 | 3628.586 | 3036.260 | 7639.542 | 427645.490 | 23.438 |
| 2 | 04:01:35 | 469347.950 | 3669.221 | 8882.448 | 3827.075 | 3098.774 | 7895.932 | 427592.380 | 32.813 |
| 3 | 04:02:43 | 465758.290 | 3758.307 | 8970.003 | 3806.757 | 3258.184 | 7978.790 | 420844.820 | 42.188 |
| x | | 469539.320 | 3688.497 | 8880.885 | 3754.139 | 3131.073 | 7838.088 | 425360.900 | 32.813 |
| σ | | 3880.255 | 62.445 | 89.910 | 109.206 | 114.433 | 176.866 | 3911.128 | 9.375 |
| %RSD | | 0.826 | 1.693 | 1.012 | 2.909 | 3.655 | 2.256 | 0.919 | 28.571 |

**CCV** 05/01/2011 04:07:12 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:08:20 | 13631.501 | 23707.676 | 4558.540 | 346.879 | 19627694.000 | 13452985.000 | 1821347.100 | 2170995.600 | 3049346.300 |
| 2 | 04:09:28 | 13731.596 | 23910.618 | 4602.304 | 309.378 | 19669088.000 | 13302863.000 | 1800709.300 | 2155481.200 | 3041190.600 |
| 3 | 04:10:36 | 13706.572 | 23957.050 | 4513.213 | 334.379 | 19545441.000 | 13227315.000 | 1801789.100 | 2167617.600 | 3036306.700 |
| x | | 13689.890 | 23858.448 | 4558.019 | 330.212 | 19614074.000 | 13327721.000 | 1807948.500 | 2164698.100 | 3042281.200 |
| σ | | 52.091 | 132.620 | 44.548 | 19.095 | 62938.810 | 114870.210 | 11616.098 | 8158.833 | 6587.854 |
| %RSD | | 0.381 | 0.556 | 0.977 | 5.782 | 0.321 | 0.862 | 0.643 | 0.377 | 0.217 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:08:20 | 30548.508 | 153310.440 | 14828.004 | 70699.513 | 9150870.000 | 46620.084 | 712782.030 | 54991.577 | 23001.315 |
| 2 | 04:09:28 | 28736.166 | 154496.550 | 15154.909 | 71472.093 | 9190262.200 | 47704.017 | 708193.310 | 55482.532 | 22611.631 |
| 3 | 04:10:36 | 28578.112 | 152035.990 | 14720.080 | 71936.917 | 9212637.800 | 47451.004 | 709944.270 | 55229.994 | 22949.669 |
| x | | 29287.595 | 153280.990 | 14900.998 | 71369.508 | 9184590.000 | 47258.368 | 710306.540 | 55234.701 | 22854.205 |
| σ | | 1094.838 | 1230.545 | 226.418 | 625.048 | 31272.115 | 567.062 | 2315.714 | 245.512 | 211.656 |
| %RSD | | 3.738 | 0.803 | 1.519 | 0.876 | 0.340 | 1.200 | 0.326 | 0.444 | 0.926 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:08:20 | 353053.130 | 341135.960 | 41228.156 | 1300904.400 | 978725.580 | 22242815.000 | 542578.340 | 410804.130 | 89601.995 |
| 2 | 04:09:28 | 349340.060 | 340163.170 | 41837.737 | 1305829.400 | 972985.500 | 21850756.000 | 539692.380 | 410898.990 | 88693.225 |
| 3 | 04:10:36 | 351587.960 | 337315.580 | 41178.012 | 1280910.000 | 972666.390 | 22006959.000 | 539938.780 | 411712.540 | 89455.770 |
| x | | 351327.050 | 339538.240 | 41414.635 | 1295881.300 | 974792.490 | 22033510.000 | 540736.500 | 411138.550 | 89250.330 |
| σ | | 1870.231 | 1985.379 | 367.274 | 13197.304 | 3409.890 | 197373.720 | 1599.831 | 499.345 | 487.975 |
| %RSD | | 0.532 | 0.585 | 0.887 | 1.018 | 0.350 | 0.896 | 0.296 | 0.121 | 0.547 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:08:20 | 442840.250 | 215629.230 | 166334.620 | 65015.317 | 4285.018 | 4285.018 | 13951.080 | 5911.640 | 24.479 |
| 2 | 04:09:28 | 443676.550 | 217231.360 | 168408.710 | 64980.262 | 4114.655 | 4114.655 | 13752.450 | 5789.194 | 16.146 |
| 3 | 04:10:36 | 445571.680 | 215565.780 | 167183.510 | 64236.284 | 4213.121 | 4213.121 | 13712.828 | 5793.362 | 28.646 |
| x | | 444029.490 | 216142.120 | 167308.950 | 64743.955 | 4204.265 | 4204.265 | 13805.453 | 5831.398 | 23.090 |
| σ | | 1399.502 | 943.836 | 1042.718 | 440.005 | 85.526 | 85.526 | 127.663 | 69.522 | 6.365 |
| %RSD | | 0.315 | 0.437 | 0.623 | 0.680 | 2.034 | 2.034 | 0.925 | 1.192 | 27.564 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:08:20 | 132123.800 | 139660.610 | 161302.410 | 88396.079 | 232822.510 | 1.563 | 155965.510 | 10098.881 | 438870.520 |
| 2 | 04:09:28 | 132035.490 | 140115.020 | 159496.360 | 88636.625 | 232692.290 | 0.000 | 156289.330 | 10225.533 | 436671.850 |
| 3 | 04:10:36 | 133021.130 | 140487.400 | 160577.120 | 88164.970 | 230897.900 | 4.688 | 157057.060 | 10131.717 | 436175.790 |
| x | | 132393.470 | 140087.680 | 160458.630 | 88399.225 | 232137.570 | 2.083 | 156437.300 | 10152.044 | 437239.390 |
| σ | | 545.359 | 414.077 | 908.835 | 235.843 | 1075.555 | 2.387 | 560.616 | 65.728 | 1434.215 |
| %RSD | | 0.412 | 0.296 | 0.566 | 0.267 | 0.463 | 114.564 | 0.358 | 0.647 | 0.328 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:08:20 | 7491.026 | 7491.026 | 431179.050 | 109129.300 | 293568.520 | 424230.270 | 380921.090 | 676700.250 | 433426.810 |
| 2 | 04:09:28 | 7625.472 | 7625.472 | 426716.770 | 109784.290 | 296983.340 | 422374.930 | 380088.410 | 677453.470 | 438564.460 |
| 3 | 04:10:36 | 7583.262 | 7583.262 | 427325.180 | 110192.100 | 297554.410 | 424722.710 | 381298.140 | 682484.650 | 439415.010 |
| x | | 7566.587 | 7566.587 | 428407.000 | 109701.890 | 296035.420 | 423775.970 | 380769.210 | 678879.460 | 437135.430 |
| σ | | 68.757 | 68.757 | 2419.861 | 536.169 | 2155.397 | 1238.066 | 619.000 | 3144.825 | 3239.793 |
| %RSD | | 0.909 | 0.909 | 0.565 | 0.489 | 0.728 | 0.292 | 0.163 | 0.463 | 0.741 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:08:20 | 473699.030 | 880232.850 | 2151721.000 | 709120.450 | 673586.260 | 1589679.900 | 424074.180 | 4180962.900 |
| 2 | 04:09:28 | 474357.860 | 885395.500 | 2157668.000 | 719252.350 | 677143.990 | 1595794.500 | 425440.480 | 4211891.700 |
| 3 | 04:10:36 | 483364.850 | 896936.220 | 2151527.700 | 723376.390 | 677579.550 | 1603351.100 | 427062.820 | 4208586.700 |
| x | | 477140.580 | 887521.520 | 2153638.900 | 717249.730 | 676103.270 | 1596275.100 | 425525.830 | 4200480.400 |
| σ | | 5400.433 | 8552.228 | 3490.659 | 7335.925 | 2190.643 | 6848.260 | 1496.149 | 16983.247 |
| %RSD | | 1.132 | 0.964 | 0.162 | 1.023 | 0.324 | 0.429 | 0.352 | 0.404 |

**CCB** 05/01/2011 04:15:04 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:16:12 | 13884.869 | 7.813 | 87.500 | 210.939 | 129991.870 | 3495.740 | 479.696 | 535.948 | 1500.079 |
| 2 | 04:17:20 | 14050.656 | 9.375 | 60.938 | 237.502 | 133174.110 | 5410.399 | 756.270 | 842.212 | 2198.607 |
| 3 | 04:18:28 | 13664.344 | 8.333 | 64.063 | 248.440 | 128643.810 | 3144.096 | 435.944 | 506.259 | 1425.071 |
| x | | 13866.623 | 8.507 | 70.834 | 232.294 | 130603.260 | 4016.745 | 557.303 | 628.140 | 1707.919 |
| σ | | 193.801 | 0.796 | 14.518 | 19.285 | 2326.207 | 1219.679 | 173.693 | 185.986 | 426.600 |
| %RSD | | 1.398 | 9.352 | 20.496 | 8.302 | 1.781 | 30.365 | 31.167 | 29.609 | 24.978 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:16:12 | 490.633 | 839.087 | 14468.260 | 72483.419 | 97212.450 | 15.625 | 493.759 | 57308.469 | 9.375 |
| 2 | 04:17:20 | 475.008 | 973.471 | 14634.054 | 73526.228 | 98464.733 | 23.438 | 678.141 | 55826.054 | 17.188 |
| 3 | 04:18:28 | 518.759 | 857.838 | 14632.490 | 73312.635 | 95024.364 | 7.813 | 560.949 | 56033.112 | 18.750 |
| x | | 494.800 | 890.132 | 14578.268 | 73107.427 | 96900.516 | 15.625 | 577.616 | 56389.212 | 15.104 |
| σ | | 22.171 | 72.780 | 95.273 | 550.858 | 1741.267 | 7.813 | 93.314 | 802.804 | 5.023 |
| %RSD | | 4.481 | 8.176 | 0.654 | 0.753 | 1.797 | 50.000 | 16.155 | 1.424 | 33.254 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:16:12 | 2772.144 | 317.191 | 937.531 | 2811.214 | 292.190 | 33467.281 | 934.406 | 64.063 | 34.375 |
| 2 | 04:17:20 | 2847.159 | 296.878 | 909.404 | 3020.632 | 381.255 | 36784.798 | 1035.975 | 132.813 | 48.438 |
| 3 | 04:18:28 | 2634.618 | 265.627 | 867.214 | 2831.531 | 243.752 | 33096.105 | 917.217 | 64.063 | 43.750 |
| x | | 2751.307 | 293.232 | 904.716 | 2887.792 | 305.733 | 34449.395 | 962.533 | 86.979 | 42.188 |
| σ | | 107.792 | 25.974 | 35.392 | 115.490 | 69.745 | 2031.016 | 64.181 | 39.693 | 7.160 |
| %RSD | | 3.918 | 8.858 | 3.912 | 3.999 | 22.812 | 5.896 | 6.668 | 45.635 | 16.973 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:16:12 | 153.126 | 53.125 | 76.563 | 41.146 | 6.250 | 6.250 | 141.667 | 23.958 | 19.271 |
| 2 | 04:17:20 | 175.001 | 64.063 | 104.688 | 40.625 | 7.813 | 7.813 | 133.855 | 18.750 | 16.146 |
| 3 | 04:18:28 | 164.063 | 43.750 | 76.563 | 46.875 | 4.688 | 4.688 | 137.501 | 15.104 | 19.792 |
| x | | 164.063 | 53.646 | 85.938 | 42.882 | 6.250 | 6.250 | 137.674 | 19.271 | 18.403 |
| σ | | 10.938 | 10.166 | 16.238 | 3.468 | 1.563 | 1.563 | 3.909 | 4.450 | 1.972 |
| %RSD | | 6.667 | 18.951 | 18.895 | 8.087 | 25.000 | 25.000 | 2.839 | 23.092 | 10.715 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:16:12 | 137.501 | 214.064 | 267.190 | 151.563 | 342.192 | 3.125 | 167912.290 | 103.125 | 145.313 |
| 2 | 04:17:20 | 134.376 | 214.064 | 189.064 | 117.188 | 321.879 | 1.563 | 165243.950 | 101.563 | 192.189 |
| 3 | 04:18:28 | 112.500 | 129.688 | 114.063 | 96.875 | 237.502 | 0.000 | 163094.460 | 93.750 | 65.625 |
| x | | 128.126 | 185.939 | 190.106 | 121.876 | 300.524 | 1.563 | 165416.900 | 99.480 | 134.376 |
| σ | | 13.622 | 48.715 | 76.569 | 27.644 | 55.516 | 1.563 | 2413.569 | 5.023 | 63.987 |
| %RSD | | 10.632 | 26.199 | 40.277 | 22.682 | 18.473 | 100.000 | 1.459 | 5.049 | 47.618 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:16:12 | 3.125 | 3.125 | 145.313 | 23.438 | 254.690 | 523.447 | 75.000 | 118.750 | 457568.660 |
| 2 | 04:17:20 | 3.125 | 3.125 | 134.376 | 23.438 | 237.502 | 465.633 | 137.501 | 196.876 | 447900.650 |
| 3 | 04:18:28 | 1.563 | 1.563 | 81.250 | 17.188 | 195.314 | 350.004 | 51.563 | 115.625 | 450686.230 |
| x | | 2.604 | 2.604 | 120.313 | 21.354 | 229.169 | 446.361 | 88.021 | 143.751 | 452051.850 |
| σ | | 0.902 | 0.902 | 34.269 | 3.608 | 30.553 | 88.313 | 44.424 | 46.035 | 4976.574 |
| %RSD | | 34.641 | 34.641 | 28.483 | 16.898 | 13.332 | 19.785 | 50.470 | 32.024 | 1.101 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:16:12 | 491512.460 | 279.690 | 657.828 | 204.689 | 176.564 | 360.942 | 459142.980 | 771.896 |
| 2 | 04:17:20 | 489976.650 | 395.318 | 903.154 | 267.190 | 259.377 | 551.573 | 449514.230 | 1070.353 |
| 3 | 04:18:28 | 483676.710 | 150.001 | 346.879 | 137.501 | 120.313 | 309.378 | 454486.650 | 626.576 |
| x | | 488388.610 | 275.003 | 635.953 | 203.127 | 185.418 | 407.298 | 454381.290 | 822.942 |
| σ | | 4152.250 | 122.726 | 278.782 | 64.859 | 69.954 | 127.578 | 4815.244 | 226.249 |
| %RSD | | 0.850 | 44.627 | 43.837 | 31.930 | 37.728 | 31.323 | 1.060 | 27.493 |

**zzzzzz** 05/01/2011 04:22:57 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:24:05 | 13770.696 | 8.333 | 50.000 | 206.251 | 131896.710 | 5243.150 | 759.395 | 907.841 | 2368.946 |
| 2 | 04:25:13 | 13974.019 | 4.688 | 37.500 | 204.689 | 128637.510 | 3788.002 | 492.196 | 668.766 | 1890.750 |
| 3 | 04:26:21 | 13845.769 | 5.208 | 29.688 | 242.190 | 125454.700 | 2833.093 | 393.755 | 454.695 | 1345.376 |
| x | | 13863.495 | 6.076 | 39.063 | 217.710 | 128662.970 | 3954.748 | 548.449 | 677.101 | 1868.358 |
| σ | | 102.814 | 1.972 | 10.246 | 21.214 | 3221.081 | 1213.650 | 189.199 | 226.688 | 512.153 |
| %RSD | | 0.742 | 32.451 | 26.230 | 9.744 | 2.504 | 30.688 | 34.497 | 33.479 | 27.412 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:24:05 | 440.632 | 914.092 | 14859.286 | 73190.134 | 97723.733 | 15.625 | 651.577 | 55513.904 | 14.063 |
| 2 | 04:25:13 | 562.511 | 907.841 | 15183.064 | 74280.113 | 95431.754 | 10.938 | 528.135 | 56563.321 | 14.063 |
| 3 | 04:26:21 | 431.257 | 835.962 | 14926.544 | 74273.830 | 93467.268 | 12.500 | 509.384 | 55432.338 | 15.625 |
| x | | 478.133 | 885.965 | 14989.632 | 73914.692 | 95540.918 | 13.021 | 563.032 | 55836.521 | 14.583 |
| σ | | 73.224 | 43.417 | 170.860 | 627.494 | 2130.332 | 2.387 | 77.253 | 630.747 | 0.902 |
| %RSD | | 15.314 | 4.900 | 1.140 | 0.849 | 2.230 | 18.330 | 13.721 | 1.130 | 6.186 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:24:05 | 2418.955 | 287.503 | 845.338 | 2925.300 | 404.693 | 36507.526 | 1029.725 | 128.126 | 37.500 |
| 2 | 04:25:13 | 2450.210 | 276.565 | 832.837 | 2853.410 | 303.128 | 35161.970 | 990.659 | 78.125 | 35.938 |
| 3 | 04:26:21 | 2328.315 | 282.815 | 804.710 | 2706.506 | 268.753 | 32753.129 | 965.658 | 50.000 | 37.500 |
| x | | 2399.160 | 282.294 | 827.628 | 2828.405 | 325.525 | 34807.541 | 995.347 | 85.417 | 36.979 |
| σ | | 63.313 | 5.487 | 20.808 | 111.519 | 70.684 | 1902.127 | 32.290 | 39.570 | 0.902 |
| %RSD | | 2.639 | 1.944 | 2.514 | 3.943 | 21.714 | 5.465 | 3.244 | 46.326 | 2.440 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:24:05 | 185.939 | 67.188 | 126.563 | 45.833 | 3.125 | 3.125 | 147.917 | 16.667 | 23.958 |
| 2 | 04:25:13 | 129.688 | 50.000 | 79.688 | 35.417 | 6.250 | 6.250 | 139.584 | 22.396 | 15.625 |
| 3 | 04:26:21 | 109.375 | 25.000 | 76.563 | 34.375 | 9.375 | 9.375 | 133.334 | 15.625 | 21.875 |
| x | | 141.667 | 47.396 | 94.271 | 38.542 | 6.250 | 6.250 | 140.278 | 18.229 | 20.486 |
| σ | | 39.662 | 21.214 | 28.009 | 6.336 | 3.125 | 3.125 | 7.316 | 3.646 | 4.337 |
| %RSD | | 27.997 | 44.759 | 29.711 | 16.440 | 50.000 | 50.000 | 5.216 | 20.000 | 21.169 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:24:05 | 107.813 | 132.813 | 128.126 | 67.188 | 231.252 | 3.125 | 160182.100 | 103.125 | 78.125 |
| 2 | 04:25:13 | 64.063 | 101.563 | 90.625 | 56.250 | 156.251 | 1.563 | 163938.410 | 109.375 | 50.000 |
| 3 | 04:26:21 | 57.813 | 65.625 | 70.313 | 59.375 | 132.813 | 6.250 | 163941.570 | 87.500 | 31.250 |
| x | | 76.563 | 100.000 | 96.355 | 60.938 | 173.439 | 3.646 | 162687.360 | 100.000 | 53.125 |
| σ | | 27.243 | 33.621 | 29.329 | 5.634 | 51.421 | 2.387 | 2169.623 | 11.267 | 23.593 |
| %RSD | | 35.583 | 33.621 | 30.439 | 9.245 | 29.648 | 65.465 | 1.334 | 11.267 | 44.411 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:24:05 | 1.563 | 1.563 | 95.313 | 28.125 | 156.251 | 243.752 | 109.375 | 182.814 | 435826.300 |
| 2 | 04:25:13 | 1.563 | 1.563 | 54.688 | 21.875 | 181.251 | 168.751 | 75.000 | 135.938 | 442198.960 |
| 3 | 04:26:21 | 0.000 | 0.000 | 28.125 | 14.063 | 134.376 | 132.813 | 45.313 | 68.750 | 442226.360 |
| x | | 1.042 | 1.042 | 59.375 | 21.354 | 157.293 | 181.772 | 76.563 | 129.167 | 440083.870 |
| σ | | 0.902 | 0.902 | 33.838 | 7.046 | 23.455 | 56.604 | 32.060 | 57.332 | 3687.192 |
| %RSD | | 86.603 | 86.603 | 56.991 | 32.995 | 14.912 | 31.140 | 41.874 | 44.386 | 0.838 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:24:05 | 473124.190 | 375.005 | 921.905 | 210.939 | 207.814 | 526.572 | 440284.940 | 1028.162 |
| 2 | 04:25:13 | 483988.570 | 231.252 | 556.261 | 170.314 | 137.501 | 398.443 | 446754.650 | 648.452 |
| 3 | 04:26:21 | 482791.250 | 131.251 | 314.066 | 120.313 | 98.438 | 242.190 | 444543.510 | 460.945 |
| x | | 479968.000 | 245.836 | 597.411 | 167.189 | 147.918 | 389.068 | 443861.030 | 712.520 |
| σ | | 5957.071 | 122.530 | 306.002 | 45.394 | 55.427 | 142.423 | 3288.410 | 288.985 |
| %RSD | | 1.241 | 49.842 | 51.221 | 27.151 | 37.472 | 36.606 | 0.741 | 40.558 |

**PB54699BL PBW** 05/01/2011 04:30:50 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:31:58 | 13737.852 | 4.167 | 43.750 | 214.064 | 122138.650 | 1196.925 | 178.126 | 196.876 | 535.948 |
| 2 | 04:33:06 | 14088.193 | 4.688 | 34.375 | 220.314 | 124190.600 | 1800.113 | 234.377 | 256.252 | 882.840 |
| 3 | 04:34:14 | 13670.600 | 2.604 | 28.125 | 203.126 | 123319.040 | 1384.442 | 176.564 | 267.190 | 726.581 |
| x | | 13832.215 | 3.819 | 35.417 | 212.502 | 123216.100 | 1460.494 | 196.356 | 240.106 | 715.123 |
| σ | | 224.219 | 1.084 | 7.864 | 8.700 | 1029.842 | 308.702 | 32.937 | 37.835 | 173.730 |
| %RSD | | 1.621 | 28.386 | 22.205 | 4.094 | 0.836 | 21.137 | 16.774 | 15.758 | 24.294 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:31:58 | 431.257 | 787.522 | 15325.403 | 74936.653 | 94230.067 | 9.375 | 396.881 | 55658.213 | 10.938 |
| 2 | 04:33:06 | 456.257 | 823.461 | 15178.372 | 74500.004 | 94000.436 | 1.563 | 412.506 | 55435.475 | 14.063 |
| 3 | 04:34:14 | 496.884 | 817.211 | 15355.123 | 74889.532 | 92558.253 | 3.125 | 417.194 | 55115.490 | 4.688 |
| x | | 461.466 | 809.398 | 15286.299 | 74775.396 | 93596.252 | 4.688 | 408.860 | 55403.060 | 9.896 |
| σ | | 33.122 | 19.201 | 94.642 | 239.658 | 906.236 | 4.134 | 10.636 | 272.810 | 4.774 |
| %RSD | | 7.178 | 2.372 | 0.619 | 0.321 | 0.968 | 88.192 | 2.601 | 0.492 | 48.238 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:31:58 | 2225.173 | 256.252 | 779.709 | 2593.986 | 150.001 | 30125.481 | 925.030 | 17.188 | 15.625 |
| 2 | 04:33:06 | 2242.363 | 256.252 | 810.961 | 2454.898 | 182.814 | 30983.563 | 885.965 | 32.813 | 18.750 |
| 3 | 04:34:14 | 2250.177 | 231.252 | 776.584 | 2579.920 | 162.501 | 29953.244 | 921.905 | 23.438 | 34.375 |
| x | | 2239.238 | 247.919 | 789.084 | 2542.935 | 165.105 | 30354.096 | 910.967 | 24.479 | 22.917 |
| σ | | 12.792 | 14.434 | 19.010 | 76.565 | 16.561 | 551.895 | 21.708 | 7.864 | 10.045 |
| %RSD | | 0.571 | 5.822 | 2.409 | 3.011 | 10.030 | 1.818 | 2.383 | 32.127 | 43.835 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:31:58 | 98.438 | 17.188 | 62.500 | 20.833 | 6.250 | 6.250 | 134.376 | 16.146 | 13.021 |
| 2 | 04:33:06 | 107.813 | 23.438 | 50.000 | 26.563 | 4.688 | 4.688 | 146.876 | 19.271 | 20.313 |
| 3 | 04:34:14 | 81.250 | 14.063 | 54.688 | 24.479 | 14.063 | 14.063 | 135.417 | 21.875 | 22.396 |
| x | | 95.834 | 18.229 | 55.729 | 23.958 | 8.333 | 8.333 | 138.890 | 19.097 | 18.576 |
| σ | | 13.471 | 4.774 | 6.315 | 2.900 | 5.023 | 5.023 | 6.936 | 2.869 | 4.923 |
| %RSD | | 14.057 | 26.186 | 11.331 | 12.104 | 60.273 | 60.273 | 4.994 | 15.021 | 26.500 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:31:58 | 42.188 | 62.500 | 39.063 | 14.063 | 57.813 | 1.563 | 163448.470 | 121.876 | 28.125 |
| 2 | 04:33:06 | 37.500 | 39.063 | 67.188 | 23.438 | 60.938 | 1.563 | 162435.450 | 115.625 | 39.063 |
| 3 | 04:34:14 | 26.563 | 28.125 | 45.313 | 35.938 | 60.938 | 3.125 | 163353.650 | 110.938 | 26.563 |
| x | | 35.417 | 43.229 | 50.521 | 24.479 | 59.896 | 2.083 | 163079.190 | 116.146 | 31.250 |
| σ | | 8.018 | 17.562 | 14.768 | 10.975 | 1.804 | 0.902 | 559.505 | 5.487 | 6.811 |
| %RSD | | 22.639 | 40.626 | 29.232 | 44.833 | 3.012 | 43.301 | 0.343 | 4.725 | 21.795 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:31:58 | 0.000 | 0.000 | 20.313 | 1.563 | 75.000 | 76.563 | 9.375 | 28.125 | 435079.030 |
| 2 | 04:33:06 | 0.000 | 0.000 | 42.188 | 7.813 | 75.000 | 62.500 | 23.438 | 32.813 | 435347.980 |
| 3 | 04:34:14 | 3.125 | 3.125 | 31.250 | 4.688 | 95.313 | 62.500 | 18.750 | 28.125 | 435956.750 |
| x | | 1.042 | 1.042 | 31.250 | 4.688 | 81.771 | 67.188 | 17.188 | 29.688 | 435461.250 |
| σ | | 1.804 | 1.804 | 10.938 | 3.125 | 11.727 | 8.119 | 7.160 | 2.706 | 449.691 |
| %RSD | | 173.205 | 173.205 | 35.000 | 66.667 | 14.342 | 12.084 | 41.660 | 9.116 | 0.103 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:31:58 | 471524.140 | 71.875 | 185.939 | 56.250 | 45.313 | 95.313 | 434159.490 | 89.063 |
| 2 | 04:33:06 | 473099.970 | 96.875 | 262.502 | 65.625 | 59.375 | 139.063 | 438582.180 | 212.502 |
| 3 | 04:34:14 | 472607.500 | 75.000 | 153.126 | 60.938 | 54.688 | 112.500 | 440048.120 | 168.751 |
| x | | 472410.540 | 81.250 | 200.522 | 60.938 | 53.125 | 115.625 | 437596.600 | 156.772 |
| σ | | 806.171 | 13.622 | 56.128 | 4.688 | 7.160 | 22.042 | 3065.535 | 62.585 |
| %RSD | | 0.171 | 16.765 | 27.991 | 7.692 | 13.478 | 19.063 | 0.701 | 39.921 |

**PB54700BL PBW** 05/01/2011 04:38:43 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:39:51 | 14185.164 | 3.646 | 25.000 | 231.252 | 125013.360 | 929.718 | 115.625 | 123.438 | 507.822 |
| 2 | 04:40:59 | 13564.249 | 4.688 | 39.063 | 215.627 | 122937.650 | 1029.725 | 103.125 | 123.438 | 489.071 |
| 3 | 04:42:07 | 13859.845 | 2.604 | 21.875 | 221.877 | 122887.220 | 871.902 | 128.126 | 135.938 | 437.507 |
| x | | 13869.753 | 3.646 | 28.646 | 222.918 | 123612.740 | 943.781 | 115.625 | 127.605 | 478.133 |
| σ | | 310.576 | 1.042 | 9.155 | 7.865 | 1213.232 | 79.846 | 12.500 | 7.217 | 36.411 |
| %RSD | | 2.239 | 28.571 | 31.961 | 3.528 | 0.981 | 8.460 | 10.811 | 5.656 | 7.615 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:39:51 | 450.007 | 848.463 | 15104.856 | 73475.970 | 91094.200 | 7.813 | 382.818 | 56291.939 | 18.750 |
| 2 | 04:40:59 | 493.759 | 756.270 | 15204.962 | 73303.211 | 91499.905 | 10.938 | 390.630 | 56324.881 | 9.375 |
| 3 | 04:42:07 | 525.010 | 826.586 | 15236.246 | 72932.572 | 90471.512 | 6.250 | 381.255 | 55945.269 | 6.250 |
| x | | 489.592 | 810.440 | 15182.021 | 73237.251 | 91021.872 | 8.333 | 384.901 | 56187.363 | 11.458 |
| σ | | 37.674 | 48.171 | 68.633 | 277.639 | 517.998 | 2.387 | 5.023 | 210.306 | 6.505 |
| %RSD | | 7.695 | 5.944 | 0.452 | 0.379 | 0.569 | 28.641 | 1.305 | 0.374 | 56.773 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:39:51 | 2025.144 | 240.627 | 723.456 | 2443.959 | 140.626 | 28979.363 | 842.212 | 14.063 | 21.875 |
| 2 | 04:40:59 | 1922.004 | 240.627 | 715.643 | 2548.665 | 151.563 | 28814.969 | 934.406 | 21.875 | 21.875 |
| 3 | 04:42:07 | 2056.398 | 285.940 | 706.267 | 2486.154 | 145.313 | 28987.192 | 843.775 | 12.500 | 21.875 |
| x | | 2001.182 | 255.731 | 715.122 | 2492.926 | 145.834 | 28927.175 | 873.464 | 16.146 | 21.875 |
| σ | | 70.328 | 26.162 | 8.606 | 52.680 | 5.487 | 97.252 | 52.782 | 5.023 | 0.000 |
| %RSD | | 3.514 | 10.230 | 1.203 | 2.113 | 3.763 | 0.336 | 6.043 | 31.109 | 0.000 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:39:51 | 59.375 | 23.438 | 39.063 | 27.083 | 3.125 | 3.125 | 132.813 | 15.625 | 18.229 |
| 2 | 04:40:59 | 84.375 | 25.000 | 45.313 | 20.313 | 6.250 | 6.250 | 135.417 | 17.188 | 15.625 |
| 3 | 04:42:07 | 73.438 | 12.500 | 67.188 | 19.792 | 4.688 | 4.688 | 137.501 | 22.396 | 19.271 |
| x | | 72.396 | 20.313 | 50.521 | 22.396 | 4.688 | 4.688 | 135.244 | 18.403 | 17.708 |
| σ | | 12.533 | 6.811 | 14.768 | 4.068 | 1.563 | 1.563 | 2.349 | 3.545 | 1.878 |
| %RSD | | 17.311 | 33.530 | 29.232 | 18.163 | 33.333 | 33.333 | 1.737 | 19.265 | 10.605 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:39:51 | 26.563 | 21.875 | 37.500 | 18.750 | 29.688 | 1.563 | 160294.280 | 84.375 | 34.375 |
| 2 | 04:40:59 | 25.000 | 32.813 | 29.688 | 12.500 | 40.625 | 1.563 | 161778.050 | 81.250 | 29.688 |
| 3 | 04:42:07 | 15.625 | 23.438 | 28.125 | 15.625 | 40.625 | 3.125 | 161422.500 | 106.250 | 25.000 |
| x | | 22.396 | 26.042 | 31.771 | 15.625 | 36.979 | 2.083 | 161164.950 | 90.625 | 29.688 |
| σ | | 5.916 | 5.916 | 5.023 | 3.125 | 6.315 | 0.902 | 774.692 | 13.622 | 4.688 |
| %RSD | | 26.414 | 22.716 | 15.809 | 20.000 | 17.077 | 43.301 | 0.481 | 15.031 | 15.789 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:39:51 | 0.000 | 0.000 | 23.438 | 3.125 | 68.750 | 46.875 | 3.125 | 14.063 | 439638.930 |
| 2 | 04:40:59 | 0.000 | 0.000 | 40.625 | 1.563 | 76.563 | 34.375 | 17.188 | 10.938 | 438789.980 |
| 3 | 04:42:07 | 1.563 | 1.563 | 15.625 | 0.000 | 67.188 | 45.313 | 12.500 | 10.938 | 435541.240 |
| x | | 0.521 | 0.521 | 26.563 | 1.563 | 70.834 | 42.188 | 10.938 | 11.979 | 437990.050 |
| σ | | 0.902 | 0.902 | 12.790 | 1.563 | 5.023 | 6.811 | 7.160 | 1.804 | 2162.796 |
| %RSD | | 173.205 | 173.205 | 48.149 | 100.000 | 7.091 | 16.144 | 65.465 | 15.061 | 0.494 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:39:51 | 472607.500 | 42.188 | 121.876 | 32.813 | 26.563 | 71.875 | 435694.240 | 70.313 |
| 2 | 04:40:59 | 472426.670 | 50.000 | 100.000 | 46.875 | 31.250 | 68.750 | 443023.940 | 84.375 |
| 3 | 04:42:07 | 473035.390 | 32.813 | 107.813 | 43.750 | 34.375 | 71.875 | 442008.840 | 68.750 |
| x | | 472689.850 | 41.667 | 109.896 | 41.146 | 30.729 | 70.834 | 440242.340 | 74.479 |
| σ | | 312.602 | 8.606 | 11.085 | 7.384 | 3.932 | 1.804 | 3971.340 | 8.606 |
| %RSD | | 0.066 | 20.653 | 10.087 | 17.946 | 12.796 | 2.547 | 0.902 | 11.554 |

**PB54788BL PBW** 05/01/2011 04:46:37 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:47:45 | 13984.967 | 4.167 | 17.188 | 218.752 | 122822.600 | 1084.416 | 107.813 | 176.564 | 564.074 |
| 2 | 04:48:53 | 13956.814 | 2.604 | 21.875 | 234.377 | 121771.480 | 1045.351 | 125.001 | 140.626 | 562.511 |
| 3 | 04:50:01 | 13853.589 | 3.125 | 21.875 | 181.251 | 122485.350 | 1004.723 | 131.251 | 153.126 | 493.759 |
| x | | 13931.790 | 3.299 | 20.313 | 211.460 | 122359.810 | 1044.830 | 121.355 | 156.772 | 540.114 |
| σ | | 69.172 | 0.796 | 2.706 | 27.303 | 536.692 | 39.849 | 12.137 | 18.244 | 40.153 |
| %RSD | | 0.497 | 24.119 | 13.323 | 12.912 | 0.439 | 3.814 | 10.001 | 11.637 | 7.434 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:47:45 | 500.009 | 856.276 | 14907.774 | 73051.929 | 91830.139 | 7.813 | 417.194 | 55448.023 | 26.563 |
| 2 | 04:48:53 | 509.384 | 848.463 | 15280.042 | 73114.749 | 91952.799 | 3.125 | 365.630 | 56749.996 | 12.500 |
| 3 | 04:50:01 | 440.632 | 873.464 | 14870.235 | 73714.696 | 91242.014 | 3.125 | 417.194 | 55703.703 | 18.750 |
| x | | 483.342 | 859.401 | 15019.351 | 73293.791 | 91674.984 | 4.688 | 400.006 | 55967.241 | 19.271 |
| σ | | 37.284 | 12.790 | 226.545 | 365.865 | 379.946 | 2.706 | 29.770 | 689.835 | 7.046 |
| %RSD | | 7.714 | 1.488 | 1.508 | 0.499 | 0.414 | 57.735 | 7.443 | 1.233 | 36.562 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:47:45 | 1929.818 | 225.002 | 687.517 | 2744.014 | 132.813 | 29378.615 | 901.591 | 9.375 | 28.125 |
| 2 | 04:48:53 | 1928.255 | 223.439 | 640.639 | 2640.869 | 167.188 | 29499.176 | 867.214 | 7.813 | 21.875 |
| 3 | 04:50:01 | 1864.184 | 243.752 | 675.016 | 2559.604 | 142.188 | 28833.757 | 903.154 | 6.250 | 18.750 |
| x | | 1907.419 | 230.731 | 667.724 | 2648.162 | 147.397 | 29237.182 | 890.653 | 7.813 | 22.917 |
| σ | | 37.451 | 11.304 | 24.274 | 92.421 | 17.770 | 354.539 | 20.314 | 1.563 | 4.774 |
| %RSD | | 1.963 | 4.899 | 3.635 | 3.490 | 12.056 | 1.213 | 2.281 | 20.000 | 20.830 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:47:45 | 81.250 | 21.875 | 45.313 | 26.563 | 1.563 | 1.563 | 150.522 | 8.854 | 19.271 |
| 2 | 04:48:53 | 73.438 | 21.875 | 53.125 | 22.917 | 4.688 | 4.688 | 143.230 | 23.958 | 18.229 |
| 3 | 04:50:01 | 75.000 | 17.188 | 40.625 | 20.313 | 10.938 | 10.938 | 132.292 | 14.063 | 21.875 |
| x | | 76.563 | 20.313 | 46.354 | 23.264 | 5.729 | 5.729 | 142.015 | 15.625 | 19.792 |
| σ | | 4.134 | 2.706 | 6.315 | 3.139 | 4.774 | 4.774 | 9.175 | 7.672 | 1.878 |
| %RSD | | 5.400 | 13.323 | 13.623 | 13.495 | 83.320 | 83.320 | 6.461 | 49.103 | 9.488 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:47:45 | 28.125 | 23.438 | 31.250 | 20.313 | 40.625 | 3.125 | 163590.710 | 79.688 | 37.500 |
| 2 | 04:48:53 | 32.813 | 26.563 | 29.688 | 12.500 | 31.250 | 0.000 | 161787.540 | 98.438 | 31.250 |
| 3 | 04:50:01 | 18.750 | 23.438 | 20.313 | 21.875 | 35.938 | 0.000 | 163211.410 | 120.313 | 18.750 |
| x | | 26.563 | 24.479 | 27.083 | 18.229 | 35.938 | 1.042 | 162863.220 | 99.480 | 29.167 |
| σ | | 7.160 | 1.804 | 5.916 | 5.023 | 4.688 | 1.804 | 950.677 | 20.333 | 9.547 |
| %RSD | | 26.956 | 7.370 | 21.842 | 27.553 | 13.043 | 173.205 | 0.584 | 20.439 | 32.733 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:47:45 | 0.000 | 0.000 | 23.438 | 0.000 | 51.563 | 32.813 | 7.813 | 7.813 | 440006.230 |
| 2 | 04:48:53 | 0.000 | 0.000 | 25.000 | 3.125 | 65.625 | 40.625 | 6.250 | 10.938 | 439551.940 |
| 3 | 04:50:01 | 0.000 | 0.000 | 12.500 | 0.000 | 62.500 | 35.938 | 3.125 | 6.250 | 440384.820 |
| x | | 0.000 | 0.000 | 20.313 | 1.042 | 59.896 | 36.458 | 5.729 | 8.333 | 439981.000 |
| σ | | 0.000 | 0.000 | 6.811 | 1.804 | 7.384 | 3.932 | 2.387 | 2.387 | 417.014 |
| %RSD | | 0.000 | 0.000 | 33.530 | 173.205 | 12.328 | 10.785 | 41.660 | 28.641 | 0.095 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:47:45 | 477959.340 | 64.063 | 123.438 | 53.125 | 23.438 | 81.250 | 441190.360 | 54.688 |
| 2 | 04:48:53 | 474201.220 | 32.813 | 101.563 | 15.625 | 32.813 | 87.500 | 439601.880 | 57.813 |
| 3 | 04:50:01 | 476403.970 | 35.938 | 89.063 | 39.063 | 35.938 | 75.000 | 440715.090 | 45.313 |
| x | | 476188.180 | 44.271 | 104.688 | 35.938 | 30.729 | 81.250 | 440502.440 | 52.604 |
| σ | | 1888.329 | 17.211 | 17.399 | 18.944 | 6.505 | 6.250 | 815.313 | 6.505 |
| %RSD | | 0.397 | 38.877 | 16.620 | 52.715 | 21.170 | 7.692 | 0.185 | 12.366 |

**PB54699BS LCSW** 05/01/2011 04:54:31 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:55:39 | 14113.218 | 93.750 | 104.688 | 225.002 | 473033.770 | 265379.740 | 36181.699 | 43329.674 | 12982.459 |
| 2 | 04:56:47 | 13975.583 | 89.063 | 96.875 | 206.251 | 478650.670 | 271620.400 | 36567.053 | 43925.239 | 13213.921 |
| 3 | 04:57:55 | 14020.940 | 110.417 | 120.313 | 214.064 | 475672.380 | 267562.070 | 36332.080 | 44298.263 | 12896.444 |
| x | | 14036.580 | 97.743 | 107.292 | 215.106 | 475785.600 | 268187.400 | 36360.277 | 43851.059 | 13030.941 |
| σ | | 70.138 | 11.223 | 11.934 | 9.418 | 2810.159 | 3166.977 | 194.218 | 488.537 | 164.198 |
| %RSD | | 0.500 | 11.482 | 11.123 | 4.379 | 0.591 | 1.181 | 0.534 | 1.114 | 1.260 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:55:39 | 1056.289 | 771.896 | 15303.505 | 72360.926 | 438164.980 | 818.773 | 14332.186 | 56600.969 | 487.508 |
| 2 | 04:56:47 | 1015.661 | 829.712 | 15087.651 | 72549.378 | 446707.910 | 865.651 | 14537.080 | 56549.202 | 407.818 |
| 3 | 04:57:55 | 1203.176 | 767.208 | 15170.551 | 72216.447 | 442809.640 | 804.710 | 14438.543 | 55924.877 | 468.758 |
| x | | 1091.709 | 789.605 | 15187.235 | 72375.584 | 442560.840 | 829.712 | 14435.936 | 56358.349 | 454.695 |
| σ | | 98.648 | 34.812 | 108.890 | 166.949 | 4276.897 | 31.909 | 102.472 | 376.290 | 41.665 |
| %RSD | | 9.036 | 4.409 | 0.717 | 0.231 | 0.966 | 3.846 | 0.710 | 0.668 | 9.163 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:55:39 | 8982.511 | 2950.305 | 940.656 | 22951.234 | 2072.025 | 379658.450 | 9343.680 | 1737.606 | 357.817 |
| 2 | 04:56:47 | 8808.965 | 2979.998 | 998.472 | 23223.549 | 2051.710 | 379680.910 | 9559.447 | 1711.040 | 451.570 |
| 3 | 04:57:55 | 9012.217 | 2923.737 | 1000.035 | 23149.992 | 2118.907 | 381663.960 | 9501.596 | 1748.545 | 465.633 |
| x | | 8934.564 | 2951.347 | 979.721 | 23108.258 | 2080.881 | 380334.440 | 9468.241 | 1732.397 | 425.006 |
| σ | | 109.781 | 28.145 | 33.840 | 140.873 | 34.463 | 1151.456 | 111.684 | 19.287 | 58.611 |
| %RSD | | 1.229 | 0.954 | 3.454 | 0.610 | 1.656 | 0.303 | 1.180 | 1.113 | 13.791 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:55:39 | 1779.798 | 912.529 | 717.206 | 283.336 | 89.063 | 89.063 | 407.297 | 125.521 | 19.271 |
| 2 | 04:56:47 | 1920.442 | 934.406 | 745.332 | 281.774 | 96.875 | 96.875 | 417.714 | 141.667 | 14.063 |
| 3 | 04:57:55 | 1801.676 | 946.906 | 707.830 | 280.732 | 109.375 | 109.375 | 400.526 | 136.980 | 21.354 |
| x | | 1833.972 | 931.280 | 723.456 | 281.947 | 98.438 | 98.438 | 408.513 | 134.723 | 18.229 |
| σ | | 75.680 | 17.400 | 19.517 | 1.311 | 10.246 | 10.246 | 8.658 | 8.306 | 3.756 |
| %RSD | | 4.127 | 1.868 | 2.698 | 0.465 | 10.409 | 10.409 | 2.119 | 6.165 | 20.603 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:55:39 | 1650.095 | 2673.688 | 2953.430 | 1668.848 | 4514.776 | 0.000 | 163949.470 | 126.563 | 1895.438 |
| 2 | 04:56:47 | 1645.407 | 2762.767 | 3039.386 | 1736.043 | 4447.567 | 1.563 | 165095.370 | 137.501 | 1882.937 |
| 3 | 04:57:55 | 1643.845 | 2906.546 | 2933.114 | 1692.288 | 4664.824 | 3.125 | 165454.170 | 137.501 | 1865.747 |
| x | | 1646.449 | 2781.000 | 2975.310 | 1699.059 | 4542.389 | 1.563 | 164833.010 | 133.855 | 1881.374 |
| σ | | 3.253 | 117.495 | 56.414 | 34.106 | 111.229 | 1.563 | 785.911 | 6.315 | 14.907 |
| %RSD | | 0.198 | 4.225 | 1.896 | 2.007 | 2.449 | 100.000 | 0.477 | 4.718 | 0.792 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:55:39 | 34.375 | 34.375 | 1784.486 | 428.131 | 5841.819 | 3226.927 | 2979.998 | 5316.614 | 445028.580 |
| 2 | 04:56:47 | 28.125 | 28.125 | 1818.866 | 420.319 | 6001.260 | 3506.680 | 2997.189 | 5485.428 | 443595.980 |
| 3 | 04:57:55 | 32.813 | 32.813 | 1789.175 | 443.757 | 6004.387 | 3369.147 | 3012.818 | 5541.700 | 440307.490 |
| x | | 31.771 | 31.771 | 1797.509 | 430.736 | 5949.155 | 3367.585 | 2996.668 | 5447.914 | 442977.350 |
| σ | | 3.253 | 3.253 | 18.644 | 11.934 | 92.969 | 139.883 | 16.416 | 117.138 | 2420.576 |
| %RSD | | 10.238 | 10.238 | 1.037 | 2.771 | 1.563 | 4.154 | 0.548 | 2.150 | 0.546 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:55:39 | 478054.640 | 3566.070 | 8865.250 | 2856.536 | 2617.427 | 6307.642 | 447341.340 | 37.500 |
| 2 | 04:56:47 | 483235.590 | 3575.447 | 8812.092 | 2869.038 | 2742.451 | 6589.019 | 445072.090 | 50.000 |
| 3 | 04:57:55 | 478991.500 | 3511.369 | 8747.990 | 3017.506 | 2815.903 | 6492.100 | 443315.600 | 32.813 |
| x | | 480093.910 | 3550.962 | 8808.444 | 2914.360 | 2725.260 | 6462.920 | 445243.010 | 40.104 |
| σ | | 2760.804 | 34.608 | 58.715 | 89.546 | 100.348 | 142.940 | 2018.308 | 8.885 |
| %RSD | | 0.575 | 0.975 | 0.667 | 3.073 | 3.682 | 2.212 | 0.453 | 22.154 |

**PB54700BS LCSW** 05/01/2011 05:02:24 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:03:32 | 14178.908 | 98.959 | 126.563 | 209.377 | 481993.090 | 272838.600 | 37220.299 | 45008.290 | 13351.549 |
| 2 | 05:04:40 | 13795.721 | 87.500 | 109.375 | 248.440 | 483741.340 | 271542.380 | 36997.847 | 44959.699 | 13395.340 |
| 3 | 05:05:48 | 14116.346 | 109.375 | 121.876 | 223.439 | 486380.270 | 274830.930 | 37615.081 | 45196.382 | 13504.818 |
| x | | 14030.325 | 98.611 | 119.271 | 227.085 | 484038.230 | 273070.640 | 37277.743 | 45054.790 | 13417.235 |
| σ | | 205.567 | 10.942 | 8.885 | 19.785 | 2208.611 | 1656.513 | 312.601 | 125.006 | 78.946 |
| %RSD | | 1.465 | 11.096 | 7.449 | 8.713 | 0.456 | 0.607 | 0.839 | 0.277 | 0.588 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:03:32 | 1162.547 | 865.651 | 14976.596 | 74047.661 | 444943.160 | 873.464 | 14813.927 | 55606.450 | 434.382 |
| 2 | 05:04:40 | 1081.291 | 818.773 | 15048.547 | 73736.684 | 449831.800 | 853.150 | 14851.466 | 56378.216 | 457.820 |
| 3 | 05:05:48 | 990.659 | 806.273 | 14727.900 | 74028.814 | 450847.450 | 881.277 | 14709.131 | 56862.944 | 415.631 |
| x | | 1078.166 | 830.232 | 14917.681 | 73937.719 | 448540.810 | 869.297 | 14791.508 | 56282.537 | 435.944 |
| σ | | 85.987 | 31.304 | 168.246 | 174.357 | 3156.764 | 14.519 | 73.768 | 633.688 | 21.138 |
| %RSD | | 7.975 | 3.770 | 1.128 | 0.236 | 0.704 | 1.670 | 0.499 | 1.126 | 4.849 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:03:32 | 8812.092 | 3017.506 | 956.282 | 23031.050 | 2167.352 | 386512.040 | 9743.947 | 1653.221 | 395.318 |
| 2 | 05:04:40 | 8984.074 | 3092.522 | 954.719 | 23317.452 | 2073.588 | 386826.640 | 9462.508 | 1756.358 | 409.381 |
| 3 | 05:05:48 | 9342.116 | 3108.151 | 948.469 | 23605.424 | 2139.223 | 390342.220 | 9700.167 | 1737.606 | 409.381 |
| x | | 9046.094 | 3072.726 | 953.157 | 23317.975 | 2126.721 | 387893.630 | 9635.541 | 1715.728 | 404.693 |
| σ | | 270.400 | 48.456 | 4.134 | 287.187 | 48.116 | 2126.366 | 151.441 | 54.939 | 8.119 |
| %RSD | | 2.989 | 1.577 | 0.434 | 1.232 | 2.262 | 0.548 | 1.572 | 3.202 | 2.006 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:03:32 | 1923.567 | 923.467 | 757.833 | 293.232 | 101.563 | 101.563 | 418.235 | 127.084 | 14.583 |
| 2 | 05:04:40 | 2011.079 | 981.284 | 695.329 | 276.044 | 95.313 | 95.313 | 397.922 | 140.626 | 20.313 |
| 3 | 05:05:48 | 1986.076 | 971.908 | 759.395 | 285.940 | 100.000 | 100.000 | 451.570 | 142.188 | 16.667 |
| x | | 1973.574 | 958.886 | 737.519 | 285.072 | 98.959 | 98.959 | 422.576 | 136.633 | 17.188 |
| σ | | 45.076 | 31.030 | 36.546 | 8.627 | 3.253 | 3.253 | 27.086 | 8.306 | 2.900 |
| %RSD | | 2.284 | 3.236 | 4.955 | 3.026 | 3.287 | 3.287 | 6.410 | 6.079 | 16.872 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:03:32 | 1681.349 | 2797.149 | 2915.923 | 1712.603 | 4574.170 | 3.125 | 163066.010 | 173.439 | 1892.313 |
| 2 | 05:04:40 | 1523.519 | 2953.430 | 3103.462 | 1750.107 | 4788.302 | 3.125 | 164215.000 | 150.001 | 1784.486 |
| 3 | 05:05:48 | 1692.288 | 2919.048 | 3178.479 | 1889.187 | 4674.202 | 1.563 | 164883.570 | 120.313 | 1812.615 |
| x | | 1632.385 | 2889.876 | 3065.954 | 1783.966 | 4678.891 | 2.604 | 164054.860 | 147.917 | 1829.805 |
| σ | | 94.440 | 82.123 | 135.237 | 93.034 | 107.143 | 0.902 | 919.301 | 26.624 | 55.931 |
| %RSD | | 5.785 | 2.842 | 4.411 | 5.215 | 2.290 | 34.641 | 0.560 | 17.999 | 3.057 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:03:32 | 25.000 | 25.000 | 1817.303 | 431.257 | 5957.492 | 3272.250 | 3084.708 | 5663.623 | 444264.720 |
| 2 | 05:04:40 | 40.625 | 40.625 | 1857.933 | 473.445 | 6024.708 | 3392.590 | 3040.949 | 5643.302 | 443781.290 |
| 3 | 05:05:48 | 28.125 | 28.125 | 1817.303 | 448.445 | 6055.971 | 3414.471 | 3186.293 | 5243.150 | 445753.790 |
| x | | 31.250 | 31.250 | 1830.847 | 451.049 | 6012.724 | 3359.770 | 3103.983 | 5516.691 | 444599.930 |
| σ | | 8.268 | 8.268 | 23.458 | 21.215 | 50.321 | 76.580 | 74.565 | 237.112 | 1028.091 |
| %RSD | | 26.458 | 26.458 | 1.281 | 4.703 | 0.837 | 2.279 | 2.402 | 4.298 | 0.231 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:03:32 | 480768.470 | 3645.778 | 8973.130 | 2912.797 | 2834.656 | 6614.031 | 443605.640 | 45.313 |
| 2 | 05:04:40 | 478490.750 | 3653.592 | 9137.296 | 3005.004 | 2908.109 | 6676.560 | 445118.820 | 35.938 |
| 3 | 05:05:48 | 484079.060 | 3662.970 | 8785.513 | 2978.436 | 2858.098 | 6820.378 | 445977.810 | 18.750 |
| x | | 481112.760 | 3654.113 | 8965.313 | 2965.412 | 2866.954 | 6703.656 | 444900.760 | 33.333 |
| σ | | 2810.016 | 8.608 | 176.022 | 47.463 | 37.518 | 105.808 | 1201.025 | 13.471 |
| %RSD | | 0.584 | 0.236 | 1.963 | 1.601 | 1.309 | 1.578 | 0.270 | 40.414 |

**PB54788BS LCSW** 05/01/2011 05:10:19 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:11:26 | 13841.077 | 94.271 | 114.063 | 248.440 | 487451.820 | 276447.620 | 37276.696 | 43459.756 | 13482.922 |
| 2 | 05:12:34 | 13626.809 | 95.834 | 114.063 | 248.440 | 493703.280 | 276492.220 | 37933.108 | 45357.830 | 13828.565 |
| 3 | 05:13:42 | 14036.580 | 95.313 | 131.251 | 240.627 | 487038.060 | 275331.050 | 37679.313 | 45050.610 | 13303.066 |
| x | | 13834.822 | 95.139 | 119.792 | 245.835 | 489397.720 | 276090.300 | 37629.706 | 44622.732 | 13538.184 |
| σ | | 204.957 | 0.796 | 9.923 | 4.511 | 3734.459 | 657.904 | 331.006 | 1018.814 | 267.072 |
| %RSD | | 1.481 | 0.836 | 8.284 | 1.835 | 0.763 | 0.238 | 0.880 | 2.283 | 1.973 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:11:26 | 1062.540 | 815.648 | 14781.080 | 73959.707 | 447252.690 | 907.841 | 14917.159 | 56356.255 | 450.007 |
| 2 | 05:12:34 | 1096.917 | 826.586 | 14751.362 | 74035.096 | 457788.020 | 932.843 | 14996.930 | 55700.566 | 467.195 |
| 3 | 05:13:42 | 1059.414 | 831.274 | 15228.425 | 74160.745 | 455339.740 | 865.651 | 15316.018 | 57186.105 | 482.821 |
| x | | 1072.957 | 824.503 | 14920.289 | 74051.849 | 453460.150 | 902.112 | 15076.703 | 56414.308 | 466.674 |
| σ | | 20.809 | 8.019 | 267.267 | 101.561 | 5513.433 | 33.960 | 211.057 | 744.469 | 16.413 |
| %RSD | | 1.939 | 0.973 | 1.791 | 0.137 | 1.216 | 3.765 | 1.400 | 1.320 | 3.517 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:11:26 | 8544.742 | 3183.167 | 951.594 | 23206.333 | 2050.147 | 384295.620 | 9675.150 | 1664.159 | 385.943 |
| 2 | 05:12:34 | 8749.554 | 3098.774 | 925.030 | 23796.365 | 2139.223 | 397340.620 | 9984.738 | 1812.615 | 410.943 |
| 3 | 05:13:42 | 8940.297 | 3094.085 | 962.532 | 23680.548 | 2211.109 | 393301.430 | 9781.473 | 1714.165 | 403.131 |
| x | | 8744.864 | 3125.342 | 946.386 | 23561.082 | 2133.493 | 391645.890 | 9813.787 | 1730.313 | 400.006 |
| σ | | 197.819 | 50.133 | 19.286 | 312.632 | 80.634 | 6678.218 | 157.303 | 75.534 | 12.790 |
| %RSD | | 2.262 | 1.604 | 2.038 | 1.327 | 3.779 | 1.705 | 1.603 | 4.365 | 3.197 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:11:26 | 1903.252 | 948.469 | 781.271 | 270.836 | 109.375 | 109.375 | 431.777 | 140.626 | 18.229 |
| 2 | 05:12:34 | 1989.201 | 959.407 | 712.518 | 285.940 | 100.000 | 100.000 | 419.277 | 128.126 | 20.833 |
| 3 | 05:13:42 | 1926.692 | 985.972 | 834.399 | 283.336 | 101.563 | 101.563 | 429.173 | 135.417 | 19.271 |
| x | | 1939.715 | 964.616 | 776.063 | 280.037 | 103.646 | 103.646 | 426.742 | 134.723 | 19.444 |
| σ | | 44.430 | 19.286 | 61.108 | 8.074 | 5.023 | 5.023 | 6.595 | 6.279 | 1.311 |
| %RSD | | 2.291 | 1.999 | 7.874 | 2.883 | 4.846 | 4.846 | 1.545 | 4.661 | 6.741 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:11:26 | 1711.040 | 2840.907 | 3183.167 | 1846.994 | 4655.446 | 3.125 | 163897.320 | 134.376 | 1973.574 |
| 2 | 05:12:34 | 1676.661 | 2984.687 | 3086.271 | 1862.621 | 4825.815 | 3.125 | 162443.350 | 137.501 | 1972.011 |
| 3 | 05:13:42 | 1615.716 | 2903.420 | 3155.036 | 1814.178 | 4880.521 | 1.563 | 166954.290 | 139.063 | 1782.924 |
| x | | 1667.806 | 2909.671 | 3141.491 | 1841.265 | 4787.261 | 2.604 | 164431.650 | 136.980 | 1909.503 |
| σ | | 48.275 | 72.093 | 49.848 | 24.725 | 117.386 | 0.902 | 2302.448 | 2.387 | 109.624 |
| %RSD | | 2.895 | 2.478 | 1.587 | 1.343 | 2.452 | 34.641 | 1.400 | 1.742 | 5.741 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:11:26 | 28.125 | 28.125 | 1771.985 | 507.822 | 6367.044 | 3386.339 | 3108.151 | 5629.234 | 441652.760 |
| 2 | 05:12:34 | 32.813 | 32.813 | 1853.245 | 421.881 | 6156.014 | 3469.171 | 3242.555 | 5579.214 | 441818.720 |
| 3 | 05:13:42 | 40.625 | 40.625 | 1775.110 | 460.945 | 5898.092 | 3519.183 | 3070.642 | 5365.070 | 449838.250 |
| x | | 33.854 | 33.854 | 1800.114 | 463.549 | 6140.383 | 3458.231 | 3140.450 | 5524.506 | 444436.580 |
| σ | | 6.315 | 6.315 | 46.040 | 43.029 | 234.866 | 67.095 | 90.393 | 140.323 | 4678.723 |
| %RSD | | 18.653 | 18.653 | 2.558 | 9.283 | 3.825 | 1.940 | 2.878 | 2.540 | 1.053 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:11:26 | 483203.270 | 3658.281 | 9112.280 | 3062.828 | 2829.968 | 6585.893 | 444301.780 | 45.313 |
| 2 | 05:12:34 | 484028.970 | 3631.712 | 9170.130 | 2981.561 | 2926.862 | 6867.275 | 443737.780 | 54.688 |
| 3 | 05:13:42 | 488335.950 | 3886.466 | 8973.130 | 2884.666 | 2776.832 | 6513.985 | 451040.920 | 35.938 |
| x | | 485189.390 | 3725.486 | 9085.180 | 2976.352 | 2844.554 | 6655.718 | 446360.160 | 45.313 |
| σ | | 2756.092 | 140.044 | 101.257 | 89.195 | 76.071 | 186.709 | 4063.453 | 9.375 |
| %RSD | | 0.568 | 3.759 | 1.115 | 2.997 | 2.674 | 2.805 | 0.910 | 20.690 |

**zzzzzz** 05/01/2011 05:18:13 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:19:21 | 14086.629 | 3.125 | 10.938 | 182.814 | 122196.960 | 1139.108 | 162.501 | 176.564 | 493.759 |
| 2 | 05:20:29 | 13783.208 | 1.563 | 29.688 | 190.626 | 121342.850 | 1075.040 | 139.063 | 212.502 | 440.632 |
| 3 | 05:21:37 | 13794.157 | 2.083 | 21.875 | 223.439 | 122193.810 | 1017.224 | 107.813 | 164.063 | 464.070 |
| x | | 13887.998 | 2.257 | 20.833 | 198.960 | 121911.210 | 1077.124 | 136.459 | 184.376 | 466.153 |
| σ | | 172.107 | 0.796 | 9.418 | 21.557 | 492.213 | 60.969 | 27.437 | 25.146 | 26.625 |
| %RSD | | 1.239 | 35.251 | 45.208 | 10.835 | 0.404 | 5.660 | 20.106 | 13.639 | 5.712 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:19:21 | 462.507 | 812.523 | 14987.545 | 72210.166 | 91391.401 | 6.250 | 360.942 | 55369.595 | 20.313 |
| 2 | 05:20:29 | 415.631 | 860.963 | 14940.621 | 73903.166 | 90150.743 | 10.938 | 343.754 | 55587.627 | 17.188 |
| 3 | 05:21:37 | 506.259 | 751.582 | 15301.941 | 74339.797 | 90389.746 | 3.125 | 345.317 | 55956.249 | 6.250 |
| x | | 461.466 | 808.356 | 15076.702 | 73484.376 | 90643.964 | 6.771 | 350.004 | 55637.824 | 14.583 |
| σ | | 45.323 | 54.810 | 196.468 | 1124.887 | 658.239 | 3.932 | 9.505 | 296.531 | 7.384 |
| %RSD | | 9.822 | 6.780 | 1.303 | 1.531 | 0.726 | 58.076 | 2.716 | 0.533 | 50.634 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:19:21 | 1661.034 | 223.439 | 526.572 | 2503.344 | 162.501 | 29660.447 | 893.778 | 9.375 | 29.688 |
| 2 | 05:20:29 | 1604.778 | 212.502 | 532.822 | 2595.548 | 125.001 | 29596.251 | 851.588 | 10.938 | 34.375 |
| 3 | 05:21:37 | 1537.583 | 234.377 | 521.885 | 2450.210 | 137.501 | 29455.335 | 865.651 | 10.938 | 12.500 |
| x | | 1601.132 | 223.439 | 527.093 | 2516.368 | 141.667 | 29570.678 | 870.339 | 10.417 | 25.521 |
| σ | | 61.806 | 10.938 | 5.488 | 73.539 | 19.094 | 104.920 | 21.482 | 0.902 | 11.517 |
| %RSD | | 3.860 | 4.895 | 1.041 | 2.922 | 13.478 | 0.355 | 2.468 | 8.660 | 45.129 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:19:21 | 43.750 | 10.938 | 70.313 | 16.667 | 6.250 | 6.250 | 123.438 | 14.063 | 21.354 |
| 2 | 05:20:29 | 42.188 | 20.313 | 54.688 | 12.500 | 4.688 | 4.688 | 131.771 | 19.792 | 16.146 |
| 3 | 05:21:37 | 71.875 | 14.063 | 78.125 | 16.667 | 3.125 | 3.125 | 125.001 | 13.542 | 21.354 |
| x | | 52.604 | 15.104 | 67.708 | 15.278 | 4.688 | 4.688 | 126.737 | 15.799 | 19.618 |
| σ | | 16.707 | 4.774 | 11.934 | 2.406 | 1.563 | 1.563 | 4.430 | 3.468 | 3.007 |
| %RSD | | 31.760 | 31.604 | 17.625 | 15.746 | 33.333 | 33.333 | 3.495 | 21.951 | 15.328 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:19:21 | 17.188 | 25.000 | 14.063 | 7.813 | 21.875 | 0.000 | 163107.100 | 106.250 | 7.813 |
| 2 | 05:20:29 | 12.500 | 17.188 | 25.000 | 17.188 | 23.438 | 0.000 | 163450.050 | 101.563 | 10.938 |
| 3 | 05:21:37 | 6.250 | 26.563 | 12.500 | 23.438 | 21.875 | 1.563 | 163407.380 | 131.251 | 9.375 |
| x | | 11.979 | 22.917 | 17.188 | 16.146 | 22.396 | 0.521 | 163321.510 | 113.021 | 9.375 |
| σ | | 5.487 | 5.023 | 6.811 | 7.864 | 0.902 | 0.902 | 186.905 | 15.960 | 1.563 |
| %RSD | | 45.807 | 21.917 | 39.626 | 48.709 | 4.028 | 173.205 | 0.114 | 14.121 | 16.667 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:19:21 | 0.000 | 0.000 | 15.625 | 0.000 | 76.563 | 23.438 | 4.688 | 15.625 | 439722.700 |
| 2 | 05:20:29 | 0.000 | 0.000 | 3.125 | 4.688 | 64.063 | 20.313 | 6.250 | 17.188 | 443307.540 |
| 3 | 05:21:37 | 0.000 | 0.000 | 9.375 | 3.125 | 37.500 | 26.563 | 9.375 | 7.813 | 436644.470 |
| x | | 0.000 | 0.000 | 9.375 | 2.604 | 59.375 | 23.438 | 6.771 | 13.542 | 439891.570 |
| σ | | 0.000 | 0.000 | 6.250 | 2.387 | 19.949 | 3.125 | 2.387 | 5.023 | 3334.742 |
| %RSD | | 0.000 | 0.000 | 66.667 | 91.652 | 33.598 | 13.333 | 35.251 | 37.091 | 0.758 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:19:21 | 479645.720 | 25.000 | 62.500 | 34.375 | 21.875 | 59.375 | 442421.320 | 14.063 |
| 2 | 05:20:29 | 476140.720 | 34.375 | 76.563 | 26.563 | 20.313 | 70.313 | 441204.860 | 17.188 |
| 3 | 05:21:37 | 479474.490 | 32.813 | 81.250 | 25.000 | 26.563 | 70.313 | 446242.130 | 18.750 |
| x | | 478420.310 | 30.729 | 73.438 | 28.646 | 22.917 | 66.667 | 443289.440 | 16.667 |
| σ | | 1976.037 | 5.023 | 9.758 | 5.023 | 3.253 | 6.315 | 2628.447 | 2.387 |
| %RSD | | 0.413 | 16.345 | 13.287 | 17.534 | 14.193 | 9.472 | 0.593 | 14.321 |

**PB54791BL PBW** 05/01/2011 05:26:08 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:27:16 | 14006.863 | 4.167 | 10.938 | 167.188 | 119882.160 | 731.269 | 87.500 | 100.000 | 406.256 |
| 2 | 05:28:24 | 13709.700 | 0.521 | 10.938 | 193.751 | 121732.080 | 737.519 | 106.250 | 101.563 | 387.505 |
| 3 | 05:29:32 | 14030.324 | 1.563 | 15.625 | 229.689 | 121002.480 | 634.389 | 73.438 | 106.250 | 365.630 |
| x | | 13915.629 | 2.083 | 12.500 | 196.876 | 120872.240 | 701.059 | 89.063 | 102.605 | 386.464 |
| σ | | 178.725 | 1.878 | 2.706 | 31.367 | 931.812 | 57.822 | 16.462 | 3.253 | 20.333 |
| %RSD | | 1.284 | 90.139 | 21.651 | 15.933 | 0.771 | 8.248 | 18.484 | 3.170 | 5.261 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:27:16 | 509.384 | 773.458 | 15269.093 | 72172.476 | 89427.469 | 9.375 | 350.004 | 55336.655 | 4.688 |
| 2 | 05:28:24 | 503.134 | 835.962 | 15161.166 | 73733.542 | 88870.887 | 9.375 | 373.442 | 56597.832 | 12.500 |
| 3 | 05:29:32 | 481.258 | 842.212 | 15059.496 | 73284.365 | 88867.742 | 6.250 | 315.628 | 56119.387 | 10.938 |
| x | | 497.925 | 817.211 | 15163.252 | 73063.461 | 89055.366 | 8.333 | 346.358 | 56017.958 | 9.375 |
| σ | | 14.769 | 38.019 | 104.814 | 803.636 | 322.254 | 1.804 | 29.079 | 636.677 | 4.134 |
| %RSD | | 2.966 | 4.652 | 0.691 | 1.100 | 0.362 | 21.651 | 8.396 | 1.137 | 44.096 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:27:16 | 1529.769 | 206.251 | 514.072 | 2628.367 | 131.251 | 28794.615 | 803.148 | 3.125 | 17.188 |
| 2 | 05:28:24 | 1532.895 | 215.627 | 498.446 | 2545.539 | 139.063 | 29037.293 | 890.653 | 3.125 | 26.563 |
| 3 | 05:29:32 | 1437.572 | 250.002 | 457.820 | 2428.331 | 128.126 | 28885.423 | 918.780 | 7.813 | 14.063 |
| x | | 1500.079 | 223.960 | 490.113 | 2534.079 | 132.813 | 28905.777 | 870.860 | 4.688 | 19.271 |
| σ | | 54.155 | 23.035 | 29.037 | 100.509 | 5.634 | 122.613 | 60.303 | 2.706 | 6.505 |
| %RSD | | 3.610 | 10.285 | 5.925 | 3.966 | 4.242 | 0.424 | 6.925 | 57.735 | 33.757 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:27:16 | 76.563 | 12.500 | 35.938 | 13.021 | 7.813 | 7.813 | 129.167 | 20.313 | 15.104 |
| 2 | 05:28:24 | 51.563 | 7.813 | 46.875 | 16.146 | 7.813 | 7.813 | 147.397 | 16.146 | 15.625 |
| 3 | 05:29:32 | 57.813 | 12.500 | 60.938 | 14.063 | 12.500 | 12.500 | 150.522 | 14.063 | 18.750 |
| x | | 61.979 | 10.938 | 47.917 | 14.410 | 9.375 | 9.375 | 142.362 | 16.840 | 16.493 |
| σ | | 13.010 | 2.706 | 12.533 | 1.591 | 2.706 | 2.706 | 11.533 | 3.182 | 1.972 |
| %RSD | | 20.992 | 24.744 | 26.155 | 11.042 | 28.868 | 28.868 | 8.101 | 18.897 | 11.956 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:27:16 | 14.063 | 7.813 | 15.625 | 7.813 | 17.188 | 0.000 | 163064.430 | 128.126 | 12.500 |
| 2 | 05:28:24 | 9.375 | 9.375 | 7.813 | 10.938 | 10.938 | 1.563 | 163811.970 | 106.250 | 7.813 |
| 3 | 05:29:32 | 10.938 | 14.063 | 7.813 | 12.500 | 18.750 | 1.563 | 164693.900 | 109.375 | 6.250 |
| x | | 11.458 | 10.417 | 10.417 | 10.417 | 15.625 | 1.042 | 163856.770 | 114.584 | 8.854 |
| σ | | 2.387 | 3.253 | 4.511 | 2.387 | 4.134 | 0.902 | 815.658 | 11.831 | 3.253 |
| %RSD | | 20.830 | 31.225 | 43.301 | 22.913 | 26.458 | 86.603 | 0.498 | 10.325 | 36.735 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:27:16 | 3.125 | 3.125 | 7.813 | 0.000 | 54.688 | 9.375 | 3.125 | 4.688 | 438862.470 |
| 2 | 05:28:24 | 1.563 | 1.563 | 9.375 | 1.563 | 53.125 | 25.000 | 4.688 | 6.250 | 442182.850 |
| 3 | 05:29:32 | 0.000 | 0.000 | 1.563 | 1.563 | 67.188 | 7.813 | 0.000 | 4.688 | 441821.940 |
| x | | 1.563 | 1.563 | 6.250 | 1.042 | 58.333 | 14.063 | 2.604 | 5.208 | 440955.750 |
| σ | | 1.563 | 1.563 | 4.134 | 0.902 | 7.708 | 9.504 | 2.387 | 0.902 | 1821.796 |
| %RSD | | 100.000 | 100.000 | 66.144 | 86.603 | 13.213 | 67.586 | 91.652 | 17.321 | 0.413 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:27:16 | 477524.850 | 32.813 | 75.000 | 25.000 | 28.125 | 40.625 | 443323.650 | 0.000 |
| 2 | 05:28:24 | 479794.340 | 26.563 | 70.313 | 15.625 | 26.563 | 54.688 | 449696.390 | 12.500 |
| 3 | 05:29:32 | 486735.830 | 29.688 | 51.563 | 31.250 | 17.188 | 42.188 | 452208.210 | 4.688 |
| x | | 481351.670 | 29.688 | 65.625 | 23.958 | 23.958 | 45.833 | 448409.420 | 5.729 |
| σ | | 4798.907 | 3.125 | 12.402 | 7.864 | 5.916 | 7.708 | 4579.965 | 6.315 |
| %RSD | | 0.997 | 10.526 | 18.898 | 32.825 | 24.691 | 16.817 | 1.021 | 110.221 |

**PB54791BS LCSW** 05/01/2011 05:34:04 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:35:11 | 13744.108 | 95.313 | 117.188 | 226.564 | 449718.960 | 249764.460 | 34349.058 | 40606.065 | 12722.850 |
| 2 | 05:36:19 | 13994.351 | 91.667 | 98.438 | 190.626 | 454328.610 | 251688.410 | 34261.348 | 41945.866 | 12267.765 |
| 3 | 05:37:27 | 13969.327 | 98.959 | 120.313 | 207.814 | 457778.350 | 254002.260 | 34759.424 | 41154.507 | 12589.920 |
| x | | 13902.595 | 95.313 | 111.980 | 208.335 | 453941.970 | 251818.380 | 34456.610 | 41235.479 | 12526.845 |
| σ | | 137.823 | 3.646 | 11.831 | 17.975 | 4043.582 | 2121.890 | 265.886 | 673.560 | 234.007 |
| %RSD | | 0.991 | 3.825 | 10.565 | 8.628 | 0.891 | 0.843 | 0.772 | 1.633 | 1.868 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:35:11 | 1015.661 | 762.520 | 14943.749 | 73416.290 | 416010.970 | 828.149 | 13412.543 | 55629.979 | 396.881 |
| 2 | 05:36:19 | 1093.792 | 773.458 | 14726.336 | 74126.192 | 414627.870 | 848.463 | 13579.889 | 56702.935 | 401.568 |
| 3 | 05:37:27 | 1000.035 | 790.647 | 15056.368 | 73256.096 | 422809.380 | 784.397 | 13701.880 | 55757.035 | 459.382 |
| x | | 1036.496 | 775.542 | 14908.818 | 73599.526 | 417816.080 | 820.336 | 13564.771 | 56029.983 | 419.277 |
| σ | | 50.231 | 14.179 | 167.766 | 463.086 | 4379.276 | 32.740 | 145.260 | 586.246 | 34.811 |
| %RSD | | 4.846 | 1.828 | 1.125 | 0.629 | 1.048 | 3.991 | 1.071 | 1.046 | 8.303 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:35:11 | 8174.213 | 2747.139 | 812.523 | 21278.335 | 2001.703 | 354774.690 | 8865.250 | 1590.714 | 389.068 |
| 2 | 05:36:19 | 8013.184 | 2804.963 | 750.020 | 21250.168 | 2037.645 | 355046.950 | 8904.337 | 1543.833 | 354.692 |
| 3 | 05:37:27 | 8114.804 | 2906.546 | 856.276 | 21818.211 | 1904.815 | 361598.870 | 9004.399 | 1559.460 | 367.192 |
| x | | 8100.734 | 2819.549 | 806.273 | 21448.905 | 1981.388 | 357140.170 | 8924.662 | 1564.669 | 370.317 |
| σ | | 81.431 | 80.698 | 53.403 | 320.139 | 68.706 | 3863.750 | 71.767 | 23.870 | 17.400 |
| %RSD | | 1.005 | 2.862 | 6.623 | 1.493 | 3.468 | 1.082 | 0.804 | 1.526 | 4.699 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:35:11 | 1859.496 | 839.087 | 707.830 | 253.648 | 93.750 | 93.750 | 371.359 | 140.626 | 14.063 |
| 2 | 05:36:19 | 1717.291 | 859.401 | 671.891 | 252.606 | 84.375 | 84.375 | 391.151 | 124.480 | 19.271 |
| 3 | 05:37:27 | 1811.052 | 795.335 | 753.145 | 248.440 | 95.313 | 95.313 | 392.714 | 119.271 | 22.396 |
| x | | 1795.946 | 831.274 | 710.955 | 251.565 | 91.146 | 91.146 | 385.075 | 128.126 | 18.576 |
| σ | | 72.296 | 32.740 | 40.717 | 2.756 | 5.916 | 5.916 | 11.904 | 11.134 | 4.210 |
| %RSD | | 4.026 | 3.939 | 5.727 | 1.096 | 6.490 | 6.490 | 3.091 | 8.690 | 22.662 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:35:11 | 1496.953 | 2572.107 | 2803.400 | 1593.839 | 4194.366 | 1.563 | 163559.100 | 139.063 | 1687.600 |
| 2 | 05:36:19 | 1478.202 | 2583.046 | 2819.028 | 1681.349 | 4363.166 | 0.000 | 163491.140 | 123.438 | 1715.728 |
| 3 | 05:37:27 | 1473.514 | 2615.865 | 2919.048 | 1773.548 | 4414.744 | 4.688 | 162994.890 | 137.501 | 1617.279 |
| x | | 1482.890 | 2590.339 | 2847.159 | 1682.912 | 4324.092 | 2.083 | 163348.380 | 133.334 | 1673.536 |
| σ | | 12.403 | 22.772 | 62.747 | 89.865 | 115.268 | 2.387 | 308.007 | 8.606 | 50.709 |
| %RSD | | 0.836 | 0.879 | 2.204 | 5.340 | 2.666 | 114.564 | 0.189 | 6.454 | 3.030 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:35:11 | 34.375 | 34.375 | 1732.918 | 401.568 | 5638.613 | 3155.036 | 2698.692 | 4999.312 | 444393.640 |
| 2 | 05:36:19 | 26.563 | 26.563 | 1698.539 | 418.756 | 5627.671 | 3231.616 | 2953.430 | 4972.740 | 445339.610 |
| 3 | 05:37:27 | 21.875 | 21.875 | 1807.927 | 442.194 | 5532.321 | 3178.479 | 2786.209 | 5274.411 | 442701.680 |
| x | | 27.604 | 27.604 | 1746.461 | 420.840 | 5599.535 | 3188.377 | 2812.777 | 5082.155 | 444144.980 |
| σ | | 6.315 | 6.315 | 55.938 | 20.393 | 58.465 | 39.238 | 129.430 | 167.028 | 1336.430 |
| %RSD | | 22.876 | 22.876 | 3.203 | 4.846 | 1.044 | 1.231 | 4.602 | 3.287 | 0.301 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:35:11 | 485633.630 | 3439.477 | 8310.229 | 2794.023 | 2590.860 | 6116.934 | 446796.560 | 7.813 |
| 2 | 05:36:19 | 481711.970 | 3564.507 | 8108.551 | 2850.284 | 2615.865 | 6170.082 | 447810.390 | 15.625 |
| 3 | 05:37:27 | 483030.380 | 3556.693 | 8433.739 | 2784.646 | 2733.074 | 6345.159 | 448940.350 | 7.813 |
| x | | 483458.660 | 3520.225 | 8284.173 | 2809.651 | 2646.599 | 6210.725 | 447849.100 | 10.417 |
| σ | | 1995.604 | 70.040 | 164.152 | 35.500 | 75.926 | 119.417 | 1072.417 | 4.511 |
| %RSD | | 0.413 | 1.990 | 1.982 | 1.264 | 2.869 | 1.923 | 0.239 | 43.301 |

**CCV** 05/01/2011 05:41:57 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:43:05 | 13371.880 | 23038.875 | 4256.884 | 339.067 | 18922294.000 | 12978196.000 | 1748418.500 | 2082467.900 | 2977492.300 |
| 2 | 05:44:13 | 13187.334 | 23171.381 | 4497.583 | 317.191 | 18985301.000 | 12883799.000 | 1750820.900 | 2083406.600 | 2933311.600 |
| 3 | 05:45:21 | 13315.578 | 23225.636 | 4420.997 | 279.690 | 19178261.000 | 12996872.000 | 1747297.300 | 2078952.000 | 2961544.900 |
| x | | 13291.597 | 23145.297 | 4391.821 | 311.983 | 19028619.000 | 12952956.000 | 1748845.600 | 2081608.800 | 2957449.600 |
| σ | | 94.581 | 96.074 | 122.973 | 30.029 | 133367.940 | 60614.654 | 1800.207 | 2348.257 | 22373.274 |
| %RSD | | 0.712 | 0.415 | 2.800 | 9.625 | 0.701 | 0.468 | 0.103 | 0.113 | 0.757 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:43:05 | 29136.567 | 149550.590 | 14549.593 | 70131.096 | 8895427.000 | 46283.690 | 688114.040 | 53437.257 | 22594.416 |
| 2 | 05:44:13 | 28003.853 | 147952.830 | 14476.081 | 70501.664 | 8833138.800 | 46289.441 | 685933.130 | 53189.460 | 21977.830 |
| 3 | 05:45:21 | 29357.841 | 150395.320 | 14314.981 | 72272.982 | 8950147.900 | 46660.336 | 688435.220 | 53689.764 | 22153.101 |
| x | | 28832.754 | 149299.580 | 14446.885 | 70968.581 | 8892904.600 | 46411.156 | 687494.130 | 53438.827 | 22241.782 |
| σ | | 726.325 | 1240.443 | 120.000 | 1144.739 | 58545.330 | 215.816 | 1361.369 | 250.156 | 317.715 |
| %RSD | | 2.519 | 0.831 | 0.831 | 1.613 | 0.658 | 0.465 | 0.198 | 0.468 | 1.428 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:43:05 | 338096.210 | 327051.320 | 40031.008 | 1256459.500 | 942996.250 | 21191716.000 | 527098.260 | 400497.260 | 86600.758 |
| 2 | 05:44:13 | 339585.610 | 329844.130 | 39872.754 | 1256038.800 | 941342.340 | 21245571.000 | 529907.220 | 397411.290 | 86701.366 |
| 3 | 05:45:21 | 340369.560 | 329481.210 | 40029.442 | 1264704.000 | 950519.550 | 21450361.000 | 530862.020 | 403397.490 | 87176.117 |
| x | | 339350.460 | 328792.220 | 39977.735 | 1259067.400 | 944952.710 | 21295883.000 | 529289.170 | 400435.350 | 86826.080 |
| σ | | 1154.773 | 1518.543 | 90.919 | 4885.940 | 4891.431 | 136464.750 | 1956.519 | 2993.578 | 307.286 |
| %RSD | | 0.340 | 0.462 | 0.227 | 0.388 | 0.518 | 0.641 | 0.370 | 0.748 | 0.354 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:43:05 | 433372.060 | 210276.890 | 163857.810 | 62372.322 | 3961.487 | 3961.487 | 13343.729 | 5714.163 | 20.833 |
| 2 | 05:44:13 | 430583.350 | 209593.520 | 163497.460 | 62712.871 | 4103.714 | 4103.714 | 13364.582 | 5716.248 | 22.396 |
| 3 | 05:45:21 | 436808.760 | 211491.500 | 164333.540 | 63452.585 | 4188.114 | 4188.114 | 13513.680 | 5774.083 | 19.792 |
| x | | 433588.060 | 210453.970 | 163896.270 | 62845.926 | 4084.438 | 4084.438 | 13407.330 | 5734.831 | 21.007 |
| σ | | 3118.317 | 961.300 | 419.362 | 552.286 | 114.537 | 114.537 | 92.690 | 34.009 | 1.311 |
| %RSD | | 0.719 | 0.457 | 0.256 | 0.879 | 2.804 | 2.804 | 0.691 | 0.593 | 6.240 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:43:05 | 130726.660 | 137620.640 | 156711.100 | 86775.250 | 227062.150 | 6.250 | 153507.860 | 10016.010 | 430420.750 |
| 2 | 05:44:13 | 129988.720 | 136549.500 | 156676.350 | 85783.349 | 226247.820 | 4.688 | 153117.770 | 9909.686 | 424589.140 |
| 3 | 05:45:21 | 129857.850 | 136847.640 | 157540.460 | 86539.451 | 228016.230 | 3.125 | 154109.590 | 10137.971 | 432434.920 |
| x | | 130191.070 | 137005.930 | 156975.970 | 86366.017 | 227108.730 | 4.688 | 153578.410 | 10021.222 | 429148.270 |
| σ | | 468.420 | 552.835 | 489.172 | 518.196 | 885.125 | 1.563 | 499.664 | 114.232 | 4074.734 |
| %RSD | | 0.360 | 0.404 | 0.312 | 0.600 | 0.390 | 33.333 | 0.325 | 1.140 | 0.949 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:43:05 | 7375.341 | 7375.341 | 418822.610 | 107991.010 | 292500.060 | 413995.870 | 375240.880 | 665951.450 | 431996.960 |
| 2 | 05:44:13 | 7283.106 | 7283.106 | 417167.410 | 106925.230 | 291337.600 | 418274.070 | 375260.120 | 670161.970 | 437003.650 |
| 3 | 05:45:21 | 7279.980 | 7279.980 | 419770.130 | 107037.000 | 291567.220 | 416166.980 | 376775.810 | 668975.440 | 429382.380 |
| x | | 7312.809 | 7312.809 | 418586.720 | 107317.740 | 291801.630 | 416145.640 | 375758.940 | 668362.960 | 432794.330 |
| σ | | 54.177 | 54.177 | 1317.299 | 585.738 | 615.660 | 2139.180 | 880.688 | 2171.052 | 3872.695 |
| %RSD | | 0.741 | 0.741 | 0.315 | 0.546 | 0.211 | 0.514 | 0.234 | 0.325 | 0.895 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:43:05 | 469745.070 | 890397.140 | 2145875.600 | 719083.210 | 677438.730 | 1581635.900 | 420429.740 | 4233046.700 |
| 2 | 05:44:13 | 472139.270 | 898776.320 | 2165821.600 | 718671.040 | 680338.980 | 1607088.100 | 430725.030 | 4229604.900 |
| 3 | 05:45:21 | 469107.430 | 895543.410 | 2158049.400 | 721244.420 | 686128.100 | 1606378.600 | 431412.500 | 4228865.300 |
| x | | 470330.590 | 894905.620 | 2156582.200 | 719666.220 | 681301.940 | 1598367.500 | 427522.420 | 4230505.600 |
| σ | | 1598.481 | 4225.844 | 10053.605 | 1382.212 | 4424.001 | 14494.352 | 6152.057 | 2231.477 |
| %RSD | | 0.340 | 0.472 | 0.466 | 0.192 | 0.649 | 0.907 | 1.439 | 0.053 |

**CCB** 05/01/2011 05:49:50 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:50:58 | 13645.576 | 13.021 | 82.813 | 234.377 | 125142.610 | 3469.171 | 479.696 | 542.198 | 887.528 |
| 2 | 05:52:06 | 13210.793 | 13.021 | 51.563 | 209.377 | 125292.350 | 4130.284 | 618.763 | 693.767 | 1042.226 |
| 3 | 05:53:14 | 13665.908 | 9.375 | 51.563 | 214.064 | 124713.880 | 4281.892 | 598.450 | 696.892 | 1089.104 |
| x | | 13507.426 | 11.806 | 61.979 | 219.273 | 125049.610 | 3960.449 | 565.636 | 644.286 | 1006.286 |
| σ | | 257.093 | 2.105 | 18.042 | 13.289 | 300.236 | 432.159 | 75.117 | 88.424 | 105.485 |
| %RSD | | 1.903 | 17.830 | 29.110 | 6.061 | 0.240 | 10.912 | 13.280 | 13.724 | 10.483 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:50:58 | 468.758 | 882.840 | 14627.798 | 72423.743 | 91314.349 | 10.938 | 556.261 | 54616.705 | 7.813 |
| 2 | 05:52:06 | 434.382 | 864.089 | 15006.315 | 71735.910 | 90661.775 | 9.375 | 496.884 | 53520.380 | 10.938 |
| 3 | 05:53:14 | 481.258 | 785.959 | 14752.926 | 72071.970 | 90295.403 | 12.500 | 562.511 | 55843.309 | 10.938 |
| x | | 461.466 | 844.296 | 14795.680 | 72077.208 | 90757.175 | 10.938 | 538.552 | 54660.131 | 9.896 |
| σ | | 24.274 | 51.384 | 192.846 | 343.946 | 516.129 | 1.563 | 36.221 | 1162.073 | 1.804 |
| %RSD | | 5.260 | 6.086 | 1.303 | 0.477 | 0.569 | 14.286 | 6.726 | 2.126 | 18.232 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:50:58 | 1612.591 | 293.753 | 514.072 | 2634.618 | 373.442 | 33254.285 | 984.409 | 89.063 | 39.063 |
| 2 | 05:52:06 | 1707.915 | 321.879 | 531.260 | 2812.777 | 401.568 | 33562.817 | 1010.973 | 121.876 | 56.250 |
| 3 | 05:53:14 | 1621.967 | 354.692 | 562.511 | 2776.832 | 412.506 | 33882.320 | 1039.100 | 112.500 | 42.188 |
| x | | 1647.491 | 323.441 | 535.948 | 2741.409 | 395.839 | 33566.474 | 1011.494 | 107.813 | 45.833 |
| σ | | 52.538 | 30.499 | 24.558 | 94.214 | 20.152 | 314.034 | 27.349 | 16.901 | 9.155 |
| %RSD | | 3.189 | 9.430 | 4.582 | 3.437 | 5.091 | 0.936 | 2.704 | 15.676 | 19.975 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:50:58 | 192.189 | 64.063 | 114.063 | 40.625 | 6.250 | 6.250 | 141.667 | 20.833 | 17.188 |
| 2 | 05:52:06 | 189.064 | 67.188 | 106.250 | 38.542 | 12.500 | 12.500 | 124.480 | 18.750 | 21.875 |
| 3 | 05:53:14 | 195.314 | 70.313 | 75.000 | 32.292 | 3.125 | 3.125 | 144.272 | 25.521 | 17.188 |
| x | | 192.189 | 67.188 | 98.438 | 37.153 | 7.292 | 7.292 | 136.806 | 21.701 | 18.750 |
| σ | | 3.125 | 3.125 | 20.670 | 4.337 | 4.774 | 4.774 | 10.754 | 3.468 | 2.706 |
| %RSD | | 1.626 | 4.651 | 20.998 | 11.673 | 65.465 | 65.465 | 7.861 | 15.980 | 14.434 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:50:58 | 132.813 | 179.689 | 212.502 | 107.813 | 287.503 | 1.563 | 161400.380 | 101.563 | 173.439 |
| 2 | 05:52:06 | 101.563 | 142.188 | 143.751 | 90.625 | 231.252 | 3.125 | 159746.000 | 85.938 | 164.063 |
| 3 | 05:53:14 | 82.813 | 128.126 | 129.688 | 65.625 | 181.251 | 1.563 | 162086.210 | 110.938 | 162.501 |
| x | | 105.730 | 150.001 | 161.980 | 88.021 | 233.335 | 2.083 | 161077.530 | 99.480 | 166.668 |
| σ | | 25.259 | 26.655 | 44.314 | 21.214 | 53.157 | 0.902 | 1203.042 | 12.630 | 5.916 |
| %RSD | | 23.890 | 17.770 | 27.358 | 24.101 | 22.781 | 43.301 | 0.747 | 12.696 | 3.549 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:50:58 | 3.125 | 3.125 | 159.376 | 34.375 | 317.191 | 457.820 | 92.188 | 171.876 | 434930.870 |
| 2 | 05:52:06 | 0.000 | 0.000 | 162.501 | 35.938 | 278.128 | 392.193 | 101.563 | 200.001 | 427933.620 |
| 3 | 05:53:14 | 1.563 | 1.563 | 140.626 | 34.375 | 256.252 | 329.691 | 120.313 | 210.939 | 442986.880 |
| x | | 1.563 | 1.563 | 154.168 | 34.896 | 283.857 | 393.235 | 104.688 | 194.272 | 435283.790 |
| σ | | 1.563 | 1.563 | 11.831 | 0.902 | 30.871 | 64.071 | 14.321 | 20.152 | 7532.834 |
| %RSD | | 100.000 | 100.000 | 7.674 | 2.585 | 10.875 | 16.293 | 13.679 | 10.373 | 1.731 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:50:58 | 482842.950 | 373.442 | 898.466 | 229.689 | 193.751 | 451.570 | 444754.620 | 1073.478 |
| 2 | 05:52:06 | 467890.350 | 320.316 | 807.835 | 245.315 | 228.127 | 540.635 | 435283.560 | 1139.108 |
| 3 | 05:53:14 | 476366.820 | 325.004 | 737.519 | 248.440 | 201.564 | 553.136 | 444130.970 | 1190.675 |
| x | | 475700.040 | 339.587 | 814.607 | 241.148 | 207.814 | 515.114 | 441389.710 | 1134.420 |
| σ | | 7498.565 | 29.413 | 80.687 | 10.046 | 18.020 | 55.384 | 5297.271 | 58.739 |
| %RSD | | 1.576 | 8.661 | 9.905 | 4.166 | 8.671 | 10.752 | 1.200 | 5.178 |

**C1867-01 MF3T55** 05/01/2011 05:57:43 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:58:51 | 15262.837 | 5.729 | 9193.582 | 526.572 | 100520780.000 | 18255611.000 | 2502085.600 | 2956584.200 | 1143.796 |
| 2 | 05:59:59 | 15367.636 | 8.333 | 8919.971 | 546.885 | 102157100.000 | 18613928.000 | 2512855.300 | 3000498.300 | 1572.500 |
| 3 | 06:01:07 | 15552.211 | 4.688 | 9231.106 | 570.324 | 102475270.000 | 18758491.000 | 2546262.300 | 2994925.500 | 1517.536 |
| x | | 15394.228 | 6.250 | 9114.887 | 547.927 | 101717720.000 | 18542677.000 | 2520401.100 | 2984002.700 | 1411.277 |
| σ | | 146.508 | 1.878 | 169.841 | 21.894 | 1048714.200 | 258900.740 | 23034.734 | 23908.025 | 233.270 |
| %RSD | | 0.952 | 30.046 | 1.863 | 3.996 | 1.031 | 1.396 | 0.914 | 0.801 | 16.529 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:58:51 | 1291054.000 | 776.584 | 309925.810 | 647740.590 | 3088926.000 | 263007.220 | 4247790.500 | 59637.070 | 92.188 |
| 2 | 05:59:59 | 1306683.800 | 737.519 | 312855.840 | 667566.460 | 3136813.900 | 264395.920 | 4262294.100 | 59979.916 | 87.500 |
| 3 | 06:01:07 | 1309390.600 | 700.017 | 314218.060 | 672735.020 | 3093815.200 | 261690.400 | 4276705.200 | 60982.302 | 82.813 |
| x | | 1302376.100 | 738.040 | 312333.240 | 662680.690 | 3106518.400 | 263031.180 | 4262263.300 | 60199.763 | 87.500 |
| σ | | 9898.174 | 38.286 | 2193.328 | 13194.072 | 26350.298 | 1352.920 | 14457.368 | 699.044 | 4.688 |
| %RSD | | 0.760 | 5.188 | 0.702 | 1.991 | 0.848 | 0.514 | 0.339 | 1.161 | 5.357 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:58:51 | 73501.099 | 11254.431 | 14402.569 | 2970.621 | 451.570 | 43249.745 | 16592.443 | 757.833 | 590.637 |
| 2 | 05:59:59 | 78260.655 | 11123.079 | 16001.144 | 3022.195 | 476.570 | 44097.644 | 16378.133 | 885.965 | 651.577 |
| 3 | 06:01:07 | 80598.600 | 10865.068 | 16787.983 | 2945.616 | 384.380 | 42173.096 | 16822.399 | 725.018 | 598.450 |
| x | | 77453.451 | 11080.859 | 15730.565 | 2979.477 | 437.507 | 43173.495 | 16597.658 | 789.605 | 613.555 |
| σ | | 3616.948 | 198.086 | 1215.508 | 39.050 | 47.677 | 964.537 | 222.179 | 85.048 | 33.159 |
| %RSD | | 4.670 | 1.788 | 7.727 | 1.311 | 10.897 | 2.234 | 1.339 | 10.771 | 5.404 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:58:51 | 1242.242 | 635.952 | 456.257 | 1580.296 | 337.504 | 337.504 | 596.367 | 270.836 | 18.229 |
| 2 | 05:59:59 | 1193.800 | 620.326 | 457.820 | 1752.191 | 367.192 | 367.192 | 567.199 | 278.128 | 21.354 |
| 3 | 06:01:07 | 1326.624 | 587.512 | 450.007 | 1701.143 | 404.693 | 404.693 | 560.428 | 268.232 | 19.271 |
| x | | 1254.222 | 614.597 | 454.695 | 1677.877 | 369.796 | 369.796 | 574.664 | 272.398 | 19.618 |
| σ | | 67.218 | 24.723 | 4.134 | 88.278 | 33.670 | 33.670 | 19.097 | 5.130 | 1.591 |
| %RSD | | 5.359 | 4.023 | 0.909 | 5.261 | 9.105 | 9.105 | 3.323 | 1.883 | 8.111 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:58:51 | 1271.781 | 387.505 | 504.696 | 279.690 | 653.140 | 6.250 | 145382.900 | 114.063 | 121.876 |
| 2 | 05:59:59 | 1515.674 | 400.006 | 460.945 | 306.253 | 640.639 | 1.563 | 145436.560 | 115.625 | 103.125 |
| 3 | 06:01:07 | 879.430 | 420.319 | 450.007 | 273.440 | 692.204 | 1.563 | 146361.560 | 100.000 | 89.063 |
| x | | 1222.295 | 402.610 | 471.883 | 286.461 | 661.995 | 3.125 | 145727.010 | 109.896 | 104.688 |
| σ | | 320.996 | 16.561 | 28.939 | 17.423 | 26.899 | 2.706 | 550.196 | 8.606 | 16.462 |
| %RSD | | 26.262 | 4.113 | 6.133 | 6.082 | 4.063 | 86.603 | 0.378 | 7.831 | 15.725 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:58:51 | 7.813 | 7.813 | 134.376 | 32.813 | 235.939 | 196.876 | 3933.354 | 7047.050 | 425096.070 |
| 2 | 05:59:59 | 4.688 | 4.688 | 131.251 | 28.125 | 195.314 | 246.877 | 4002.123 | 7419.114 | 429771.960 |
| 3 | 06:01:07 | 1.563 | 1.563 | 81.250 | 21.875 | 201.564 | 212.502 | 4175.610 | 7129.904 | 430538.280 |
| x | | 4.688 | 4.688 | 115.625 | 27.604 | 210.939 | 218.752 | 4037.029 | 7198.689 | 428468.770 |
| σ | | 3.125 | 3.125 | 29.811 | 5.487 | 21.875 | 25.580 | 124.843 | 195.337 | 2945.865 |
| %RSD | | 66.667 | 66.667 | 25.782 | 19.879 | 10.370 | 11.693 | 3.092 | 2.714 | 0.688 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 05:58:51 | 462043.670 | 420.319 | 817.211 | 1167.235 | 1014.099 | 2328.315 | 400849.120 | 132119.070 |
| 2 | 05:59:59 | 465840.600 | 259.377 | 682.829 | 878.152 | 760.958 | 1925.130 | 406717.790 | 133704.020 |
| 3 | 06:01:07 | 468114.720 | 178.126 | 448.445 | 739.082 | 615.638 | 1507.892 | 406809.410 | 132234.190 |
| x | | 465332.990 | 285.941 | 649.495 | 928.156 | 796.898 | 1920.446 | 404792.110 | 132685.760 |
| σ | | 3067.190 | 123.262 | 186.629 | 218.413 | 201.647 | 410.231 | 3415.036 | 883.719 |
| %RSD | | 0.659 | 43.108 | 28.735 | 23.532 | 25.304 | 21.361 | 0.844 | 0.666 |

**C1867-02 MF3T57** 05/01/2011 06:05:35 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:06:43 | 15300.377 | 4.167 | 6900.104 | 831.274 | 81315377.000 | 16458989.000 | 2226651.000 | 2636118.100 | 1528.207 |
| 2 | 06:07:51 | 15682.040 | 6.250 | 7198.688 | 882.840 | 80934897.000 | 16381588.000 | 2215703.100 | 2616726.400 | 1451.636 |
| 3 | 06:09:00 | 15466.180 | 5.208 | 6998.589 | 815.648 | 81218200.000 | 16299093.000 | 2192683.400 | 2622242.000 | 1421.946 |
| x | | 15482.866 | 5.208 | 7032.460 | 843.254 | 81156158.000 | 16379890.000 | 2211679.200 | 2625028.800 | 1467.263 |
| σ | | 191.378 | 1.042 | 152.147 | 35.161 | 197682.160 | 79961.455 | 17337.608 | 9991.712 | 54.827 |
| %RSD | | 1.236 | 20.000 | 2.163 | 4.170 | 0.244 | 0.488 | 0.784 | 0.381 | 3.737 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:06:43 | 1208817.400 | 717.206 | 262795.110 | 683048.150 | 3065639.000 | 260473.480 | 4485241.300 | 62466.997 | 70.313 |
| 2 | 06:07:51 | 1218890.500 | 696.892 | 259690.680 | 685515.340 | 3035420.400 | 277449.130 | 4543695.000 | 61673.804 | 93.750 |
| 3 | 06:09:00 | 1217314.200 | 734.394 | 263457.140 | 700645.390 | 3071985.400 | 282394.400 | 4531460.300 | 62667.474 | 120.313 |
| x | | 1215007.300 | 716.164 | 261980.980 | 689736.290 | 3057681.600 | 273439.000 | 4520132.200 | 62269.425 | 94.792 |
| σ | | 5418.271 | 18.773 | 2010.891 | 9527.749 | 19538.164 | 11497.496 | 30829.410 | 525.472 | 25.016 |
| %RSD | | 0.446 | 2.621 | 0.768 | 1.381 | 0.639 | 4.205 | 0.682 | 0.844 | 26.391 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:06:43 | 72549.378 | 1467.263 | 17651.523 | 4252.195 | 1525.081 | 72441.018 | 18150.586 | 435.944 | 484.383 |
| 2 | 06:07:51 | 76930.019 | 1546.959 | 18588.648 | 4233.440 | 1456.324 | 72291.827 | 18091.135 | 443.757 | 457.820 |
| 3 | 06:09:00 | 79032.072 | 1596.964 | 19456.991 | 4108.403 | 1459.450 | 72145.779 | 17961.284 | 387.505 | 498.446 |
| x | | 76170.490 | 1537.062 | 18565.721 | 4198.013 | 1480.285 | 72292.875 | 18067.668 | 422.402 | 480.216 |
| σ | | 3307.415 | 65.415 | 902.952 | 78.169 | 38.826 | 147.622 | 96.808 | 30.473 | 20.631 |
| %RSD | | 4.342 | 4.256 | 4.864 | 1.862 | 2.623 | 0.204 | 0.536 | 7.214 | 4.296 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:06:43 | 704.705 | 334.379 | 554.698 | 1442.781 | 396.881 | 396.881 | 538.552 | 282.815 | 19.271 |
| 2 | 06:07:51 | 668.766 | 314.066 | 556.261 | 1503.204 | 429.694 | 429.694 | 603.659 | 268.232 | 22.917 |
| 3 | 06:09:00 | 634.389 | 342.192 | 625.014 | 1524.040 | 465.633 | 465.633 | 566.678 | 295.836 | 22.396 |
| x | | 669.287 | 330.212 | 578.658 | 1490.008 | 430.736 | 430.736 | 569.629 | 282.294 | 21.528 |
| σ | | 35.161 | 14.518 | 40.153 | 42.206 | 34.388 | 34.388 | 32.654 | 13.810 | 1.972 |
| %RSD | | 5.253 | 4.397 | 6.939 | 2.833 | 7.984 | 7.984 | 5.732 | 4.892 | 9.160 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:06:43 | 741.577 | 321.879 | 331.254 | 206.251 | 560.949 | 3.125 | 152236.550 | 121.876 | 85.938 |
| 2 | 06:07:51 | 653.210 | 364.067 | 371.880 | 220.314 | 581.262 | 1.563 | 150670.070 | 104.688 | 56.250 |
| 3 | 06:09:00 | 1052.630 | 310.941 | 382.818 | 239.065 | 518.759 | 3.125 | 152868.240 | 90.625 | 53.125 |
| x | | 815.806 | 332.296 | 361.984 | 221.877 | 553.657 | 2.604 | 151924.950 | 105.730 | 65.104 |
| σ | | 209.801 | 28.053 | 27.169 | 16.462 | 31.883 | 0.902 | 1131.726 | 15.651 | 18.110 |
| %RSD | | 25.717 | 8.442 | 7.506 | 7.420 | 5.759 | 34.641 | 0.745 | 14.803 | 27.817 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:06:43 | 0.000 | 0.000 | 79.688 | 17.188 | 132.813 | 148.438 | 9209.217 | 16328.076 | 439962.740 |
| 2 | 06:07:51 | 3.125 | 3.125 | 54.688 | 15.625 | 123.438 | 103.125 | 9157.622 | 16364.055 | 437002.040 |
| 3 | 06:09:00 | 6.250 | 6.250 | 40.625 | 9.375 | 84.375 | 112.500 | 9051.304 | 16292.097 | 439874.130 |
| x | | 3.125 | 3.125 | 58.333 | 14.063 | 113.542 | 121.355 | 9139.381 | 16328.076 | 438946.300 |
| σ | | 3.125 | 3.125 | 19.785 | 4.134 | 25.691 | 23.919 | 80.521 | 35.979 | 1684.366 |
| %RSD | | 100.000 | 100.000 | 33.917 | 29.397 | 22.626 | 19.710 | 0.881 | 0.220 | 0.384 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:06:43 | 476384.590 | 162.501 | 396.881 | 493.759 | 442.194 | 1228.178 | 414423.640 | 84701.925 |
| 2 | 06:07:51 | 473603.760 | 129.688 | 282.815 | 481.258 | 417.194 | 910.967 | 413942.810 | 84832.383 |
| 3 | 06:09:00 | 479083.570 | 103.125 | 239.065 | 471.883 | 373.442 | 920.342 | 418243.510 | 84920.404 |
| x | | 476357.310 | 131.771 | 306.253 | 482.300 | 410.943 | 1019.829 | 415536.650 | 84818.237 |
| σ | | 2740.008 | 29.743 | 81.477 | 10.975 | 34.800 | 180.496 | 2356.505 | 109.924 |
| %RSD | | 0.575 | 22.571 | 26.604 | 2.276 | 8.468 | 17.699 | 0.567 | 0.130 |

**C1867-03 MF3T59** 05/01/2011 06:13:29 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:14:37 | 15752.430 | 4.167 | 8106.987 | 703.142 | 93327947.000 | 18470966.000 | 2486893.300 | 2947630.800 | 623.451 |
| 2 | 06:15:45 | 15367.636 | 7.292 | 7963.156 | 779.709 | 90900371.000 | 18197084.000 | 2441923.600 | 2906093.500 | 712.518 |
| 3 | 06:16:53 | 14723.208 | 2.083 | 8160.142 | 776.584 | 92743975.000 | 18636722.000 | 2492558.500 | 2948384.900 | 1305.531 |
| x | | 15281.092 | 4.514 | 8076.762 | 753.145 | 92324098.000 | 18434924.000 | 2473791.800 | 2934036.400 | 880.500 |
| σ | | 520.040 | 2.621 | 101.912 | 43.332 | 1267084.700 | 222024.250 | 27743.665 | 24202.202 | 370.772 |
| %RSD | | 3.403 | 58.076 | 1.262 | 5.753 | 1.372 | 1.204 | 1.122 | 0.825 | 42.109 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:14:37 | 1255306.600 | 720.331 | 314328.260 | 670702.080 | 3387145.400 | 304041.450 | 4901790.200 | 62408.888 | 85.938 |
| 2 | 06:15:45 | 1252837.700 | 795.335 | 308511.310 | 674889.400 | 3310957.500 | 295991.010 | 4834159.800 | 62763.355 | 85.938 |
| 3 | 06:16:53 | 1274356.300 | 740.644 | 314093.490 | 684185.040 | 3363523.600 | 300910.400 | 4873268.600 | 60226.881 | 67.188 |
| x | | 1260833.500 | 752.103 | 312311.020 | 676592.170 | 3353875.500 | 300314.290 | 4869739.500 | 61799.708 | 79.688 |
| σ | | 11775.895 | 38.793 | 3292.739 | 6900.877 | 38999.510 | 4058.189 | 33953.045 | 1373.590 | 10.825 |
| %RSD | | 0.934 | 5.158 | 1.054 | 1.020 | 1.163 | 1.351 | 0.697 | 2.223 | 13.585 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:14:37 | 80366.045 | 2389.262 | 19020.466 | 2501.782 | 356.254 | 40164.194 | 18443.148 | 495.321 | 612.513 |
| 2 | 06:15:45 | 83663.017 | 2411.141 | 20212.727 | 2553.353 | 317.191 | 39911.926 | 17577.995 | 500.009 | 650.015 |
| 3 | 06:16:53 | 86484.432 | 2401.764 | 21103.075 | 2437.708 | 339.067 | 39600.122 | 17468.486 | 531.260 | 609.388 |
| x | | 83504.498 | 2400.723 | 20112.089 | 2497.614 | 337.504 | 39892.081 | 17829.876 | 508.863 | 623.972 |
| σ | | 3062.272 | 10.976 | 1044.946 | 57.935 | 19.579 | 282.559 | 533.923 | 19.537 | 22.608 |
| %RSD | | 3.667 | 0.457 | 5.196 | 2.320 | 5.801 | 0.708 | 2.995 | 3.839 | 3.623 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:14:37 | 1895.438 | 965.658 | 451.570 | 1751.149 | 435.944 | 435.944 | 583.866 | 274.482 | 15.625 |
| 2 | 06:15:45 | 1854.808 | 995.347 | 445.319 | 1717.812 | 437.507 | 437.507 | 592.721 | 304.170 | 20.833 |
| 3 | 06:16:53 | 1876.686 | 990.659 | 473.445 | 1761.046 | 434.382 | 434.382 | 625.014 | 280.211 | 21.875 |
| x | | 1875.644 | 983.888 | 456.778 | 1743.336 | 435.944 | 435.944 | 600.533 | 286.288 | 19.444 |
| σ | | 20.335 | 15.961 | 14.769 | 22.652 | 1.563 | 1.563 | 21.658 | 15.749 | 3.348 |
| %RSD | | 1.084 | 1.622 | 3.233 | 1.299 | 0.358 | 0.358 | 3.606 | 5.501 | 17.221 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:14:37 | 1406.099 | 307.816 | 334.379 | 221.877 | 495.321 | 1.563 | 149155.870 | 98.438 | 65.625 |
| 2 | 06:15:45 | 1763.102 | 326.566 | 371.880 | 212.502 | 546.885 | 4.688 | 150145.840 | 87.500 | 50.000 |
| 3 | 06:16:53 | 1939.837 | 340.629 | 351.567 | 212.502 | 495.321 | 3.125 | 144898.320 | 89.063 | 32.813 |
| x | | 1703.012 | 325.004 | 352.609 | 215.627 | 512.509 | 3.125 | 148066.680 | 91.667 | 49.479 |
| σ | | 271.895 | 16.462 | 18.772 | 5.413 | 29.771 | 1.563 | 2788.166 | 5.916 | 16.413 |
| %RSD | | 15.966 | 5.065 | 5.324 | 2.510 | 5.809 | 50.000 | 1.883 | 6.453 | 33.170 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:14:37 | 7.813 | 7.813 | 37.500 | 7.813 | 103.125 | 87.500 | 4702.336 | 8560.377 | 439044.500 |
| 2 | 06:15:45 | 1.563 | 1.563 | 39.063 | 3.125 | 123.438 | 106.250 | 4653.883 | 8515.037 | 439178.200 |
| 3 | 06:16:53 | 0.000 | 0.000 | 23.438 | 7.813 | 90.625 | 78.125 | 4993.060 | 8540.052 | 425004.340 |
| x | | 3.125 | 3.125 | 33.333 | 6.250 | 105.730 | 90.625 | 4783.093 | 8538.489 | 434409.020 |
| σ | | 4.134 | 4.134 | 8.606 | 2.706 | 16.561 | 14.321 | 183.443 | 22.710 | 8144.960 |
| %RSD | | 132.288 | 132.288 | 25.817 | 43.301 | 15.663 | 15.802 | 3.835 | 0.266 | 1.875 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:14:37 | 478329.230 | 100.000 | 228.127 | 1000.035 | 848.463 | 2189.230 | 417971.660 | 121954.270 |
| 2 | 06:15:45 | 474533.870 | 76.563 | 192.189 | 1084.416 | 856.276 | 2157.976 | 419089.650 | 122274.180 |
| 3 | 06:16:53 | 463810.500 | 59.375 | 115.625 | 996.910 | 825.024 | 2086.090 | 404654.160 | 125066.950 |
| x | | 472224.530 | 78.646 | 178.647 | 1027.120 | 843.254 | 2144.432 | 413905.160 | 123098.470 |
| σ | | 7529.819 | 20.393 | 57.460 | 49.644 | 16.264 | 52.887 | 8031.074 | 1712.243 |
| %RSD | | 1.595 | 25.930 | 32.164 | 4.833 | 1.929 | 2.466 | 1.940 | 1.391 |

**C1867-04 MF3T74** 05/01/2011 06:21:22 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:22:30 | 14879.620 | 3.125 | 14357.211 | 689.079 | 218218710.000 | 35209061.000 | 4777233.100 | 5635662.500 | 1637.934 |
| 2 | 06:23:38 | 15488.079 | 5.729 | 14795.157 | 809.398 | 221252620.000 | 35440741.000 | 4806256.200 | 5745537.500 | 1685.046 |
| 3 | 06:24:46 | 15101.728 | 3.646 | 14460.440 | 731.269 | 219875570.000 | 35201242.000 | 4758571.500 | 5595797.400 | 1690.281 |
| x | | 15156.476 | 4.167 | 14537.603 | 743.249 | 219782300.000 | 35283682.000 | 4780686.900 | 5658999.100 | 1671.087 |
| σ | | 307.902 | 1.378 | 228.943 | 61.047 | 1519106.400 | 136073.670 | 24029.285 | 77549.849 | 28.830 |
| %RSD | | 2.031 | 33.072 | 1.575 | 8.214 | 0.691 | 0.386 | 0.503 | 1.370 | 1.725 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:22:30 | 1359877.400 | 634.389 | 675166.090 | 758694.200 | 3789984.900 | 467948.360 | 7514363.900 | 61981.784 | 95.313 |
| 2 | 06:23:38 | 1384260.800 | 751.582 | 682582.940 | 775185.770 | 3801659.400 | 473991.930 | 7663943.400 | 60735.338 | 96.875 |
| 3 | 06:24:46 | 1370011.800 | 603.138 | 677830.090 | 774717.630 | 3748702.300 | 466585.530 | 7652838.800 | 62173.545 | 95.313 |
| x | | 1371383.300 | 663.036 | 678526.370 | 769532.530 | 3780115.500 | 469508.610 | 7610382.000 | 61630.222 | 95.834 |
| σ | | 12249.421 | 78.259 | 3757.127 | 9389.189 | 27823.848 | 3942.016 | 83339.281 | 780.901 | 0.902 |
| %RSD | | 0.893 | 11.803 | 0.554 | 1.220 | 0.736 | 0.840 | 1.095 | 1.267 | 0.941 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:22:30 | 83735.314 | 768.771 | 18247.584 | 2683.064 | 462.507 | 47168.367 | 27182.086 | 831.274 | 1028.162 |
| 2 | 06:23:38 | 87688.614 | 829.712 | 19768.356 | 2653.371 | 495.321 | 47674.731 | 27402.819 | 909.404 | 982.846 |
| 3 | 06:24:46 | 89666.460 | 792.209 | 20377.022 | 2600.237 | 537.510 | 47069.604 | 28043.123 | 929.718 | 981.284 |
| x | | 87030.129 | 796.897 | 19464.321 | 2645.558 | 498.446 | 47304.234 | 27542.676 | 890.132 | 997.431 |
| σ | | 3019.905 | 30.740 | 1096.793 | 41.963 | 37.599 | 324.637 | 447.232 | 51.974 | 26.626 |
| %RSD | | 3.470 | 3.857 | 5.635 | 1.586 | 7.543 | 0.686 | 1.624 | 5.839 | 2.669 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:22:30 | 3653.592 | 1709.477 | 2079.839 | 1961.593 | 656.265 | 656.265 | 1235.470 | 605.742 | 17.708 |
| 2 | 06:23:38 | 3575.447 | 1840.744 | 2081.402 | 2026.185 | 643.765 | 643.765 | 1252.659 | 629.701 | 18.229 |
| 3 | 06:24:46 | 3516.058 | 1857.933 | 1951.696 | 2036.604 | 707.830 | 707.830 | 1200.050 | 642.723 | 17.708 |
| x | | 3581.699 | 1802.718 | 2037.645 | 2008.127 | 669.287 | 669.287 | 1229.393 | 626.055 | 17.882 |
| σ | | 68.980 | 81.205 | 74.439 | 40.635 | 33.960 | 33.960 | 26.826 | 18.758 | 0.301 |
| %RSD | | 1.926 | 4.505 | 3.653 | 2.024 | 5.074 | 5.074 | 2.182 | 2.996 | 1.682 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:22:30 | 1250.572 | 276.565 | 285.940 | 212.502 | 415.631 | 1.563 | 142519.890 | 75.000 | 65.625 |
| 2 | 06:23:38 | 1080.907 | 335.941 | 245.315 | 198.439 | 437.507 | 6.250 | 144243.310 | 87.500 | 73.438 |
| 3 | 06:24:46 | 1589.902 | 282.815 | 292.190 | 223.439 | 401.568 | 3.125 | 144598.430 | 96.875 | 71.875 |
| x | | 1307.127 | 298.441 | 274.482 | 211.460 | 418.235 | 3.646 | 143787.210 | 86.459 | 70.313 |
| σ | | 259.168 | 32.627 | 25.452 | 12.533 | 18.110 | 2.387 | 1111.802 | 10.975 | 4.134 |
| %RSD | | 19.827 | 10.932 | 9.273 | 5.927 | 4.330 | 65.465 | 0.773 | 12.694 | 5.879 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:22:30 | 0.000 | 0.000 | 84.375 | 12.500 | 118.750 | 84.375 | 7742.723 | 14099.142 | 431069.570 |
| 2 | 06:23:38 | 0.000 | 0.000 | 64.063 | 3.125 | 140.626 | 64.063 | 7763.046 | 14022.504 | 433159.500 |
| 3 | 06:24:46 | 1.563 | 1.563 | 64.063 | 9.375 | 139.063 | 78.125 | 7986.607 | 13986.531 | 434890.610 |
| x | | 0.521 | 0.521 | 70.834 | 8.333 | 132.813 | 75.521 | 7830.792 | 14036.059 | 433039.890 |
| σ | | 0.902 | 0.902 | 11.727 | 4.774 | 12.204 | 10.404 | 135.322 | 57.516 | 1913.327 |
| %RSD | | 173.205 | 173.205 | 16.556 | 57.282 | 9.189 | 13.776 | 1.728 | 0.410 | 0.442 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:22:30 | 470335.910 | 76.563 | 159.376 | 1970.448 | 1664.159 | 4233.440 | 400871.610 | 116795.810 |
| 2 | 06:23:38 | 473153.260 | 67.188 | 164.063 | 1972.011 | 1687.600 | 4181.862 | 405211.830 | 119745.080 |
| 3 | 06:24:46 | 470355.290 | 48.438 | 126.563 | 1918.879 | 1646.970 | 3928.665 | 401650.860 | 120042.880 |
| x | | 471281.490 | 64.063 | 150.001 | 1953.779 | 1666.243 | 4114.656 | 402578.100 | 118861.260 |
| σ | | 1621.030 | 14.321 | 20.433 | 30.235 | 20.395 | 163.124 | 2313.916 | 1794.913 |
| %RSD | | 0.344 | 22.354 | 13.622 | 1.548 | 1.224 | 3.964 | 0.575 | 1.510 |

**C1867-05 MF3T75** 05/01/2011 06:29:16 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:30:25 | 17255.728 | 1.563 | 7730.216 | 620.326 | 96293712.000 | 30974304.000 | 4189645.100 | 4991191.000 | 1541.092 |
| 2 | 06:31:33 | 17502.903 | 5.729 | 7397.227 | 725.018 | 94564681.000 | 30426509.000 | 4089594.600 | 4877399.700 | 1598.674 |
| 3 | 06:32:41 | 17485.695 | 3.125 | 7566.066 | 737.519 | 93639079.000 | 30483823.000 | 4129666.500 | 4916588.700 | 1161.577 |
| x | | 17414.775 | 3.472 | 7564.503 | 694.288 | 94832491.000 | 30628212.000 | 4136302.100 | 4928393.100 | 1433.781 |
| σ | | 138.008 | 2.105 | 166.500 | 64.357 | 1347427.000 | 301090.980 | 50354.226 | 57806.777 | 237.487 |
| %RSD | | 0.792 | 60.622 | 2.201 | 9.270 | 1.421 | 0.983 | 1.217 | 1.173 | 16.564 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:30:25 | 1307674.800 | 725.018 | 328211.860 | 721587.690 | 4217852.800 | 337163.250 | 5446660.400 | 62496.052 | 89.063 |
| 2 | 06:31:33 | 1298023.200 | 725.018 | 322232.720 | 721768.350 | 4139301.900 | 327692.480 | 5316012.500 | 65180.705 | 110.938 |
| 3 | 06:32:41 | 1302340.900 | 821.899 | 327305.480 | 731083.950 | 4150650.000 | 328529.150 | 5349560.300 | 64271.293 | 92.188 |
| x | | 1302679.700 | 757.312 | 325916.690 | 724813.330 | 4169268.200 | 331128.300 | 5370744.400 | 63982.683 | 97.396 |
| σ | | 4834.709 | 55.934 | 3222.436 | 5431.269 | 42456.313 | 5243.138 | 67851.251 | 1365.398 | 11.831 |
| %RSD | | 0.371 | 7.386 | 0.989 | 0.749 | 1.018 | 1.583 | 1.263 | 2.134 | 12.147 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:30:25 | 94403.078 | 860.963 | 21572.526 | 3076.894 | 489.071 | 51484.795 | 21186.011 | 376.567 | 585.950 |
| 2 | 06:31:33 | 98482.039 | 965.658 | 22348.718 | 3026.883 | 504.696 | 51094.334 | 20740.044 | 331.254 | 568.761 |
| 3 | 06:32:41 | 100217.480 | 900.028 | 23707.155 | 3036.260 | 512.509 | 51842.334 | 21004.493 | 378.130 | 556.261 |
| x | | 97700.867 | 908.883 | 22542.799 | 3046.679 | 502.092 | 51473.821 | 20976.849 | 361.984 | 570.324 |
| σ | | 2984.878 | 52.906 | 1080.468 | 26.583 | 11.934 | 374.121 | 224.265 | 26.624 | 14.906 |
| %RSD | | 3.055 | 5.821 | 4.793 | 0.873 | 2.377 | 0.727 | 1.069 | 7.355 | 2.614 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:30:25 | 862.526 | 431.257 | 329.691 | 1990.764 | 459.382 | 459.382 | 672.412 | 322.920 | 23.438 |
| 2 | 06:31:33 | 892.215 | 396.881 | 367.192 | 1964.718 | 490.633 | 490.633 | 652.098 | 325.004 | 22.396 |
| 3 | 06:32:41 | 835.962 | 453.132 | 350.004 | 2014.725 | 534.385 | 534.385 | 663.036 | 344.275 | 22.396 |
| x | | 863.568 | 427.090 | 348.963 | 1990.069 | 494.800 | 494.800 | 662.515 | 330.733 | 22.743 |
| σ | | 28.141 | 28.356 | 18.772 | 25.011 | 37.675 | 37.675 | 10.167 | 11.774 | 0.601 |
| %RSD | | 3.259 | 6.639 | 5.379 | 1.257 | 7.614 | 7.614 | 1.535 | 3.560 | 2.644 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:30:25 | 854.687 | 364.067 | 350.004 | 234.377 | 531.260 | 0.000 | 148780.100 | 106.250 | 42.188 |
| 2 | 06:31:33 | 921.847 | 345.317 | 356.254 | 235.939 | 568.761 | 1.563 | 154611.850 | 76.563 | 56.250 |
| 3 | 06:32:41 | 1208.156 | 367.192 | 348.442 | 262.502 | 584.387 | 3.125 | 154932.490 | 104.688 | 34.375 |
| x | | 994.897 | 358.859 | 351.567 | 244.273 | 561.469 | 1.563 | 152774.810 | 95.834 | 44.271 |
| σ | | 187.716 | 11.831 | 4.134 | 15.807 | 27.304 | 1.563 | 3463.233 | 16.707 | 11.085 |
| %RSD | | 18.868 | 3.297 | 1.176 | 6.471 | 4.863 | 100.000 | 2.267 | 17.434 | 25.040 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:30:25 | 1.563 | 1.563 | 45.313 | 4.688 | 121.876 | 76.563 | 7589.516 | 13254.584 | 439651.820 |
| 2 | 06:31:33 | 3.125 | 3.125 | 40.625 | 1.563 | 101.563 | 79.688 | 7475.393 | 13101.317 | 455962.260 |
| 3 | 06:32:41 | 0.000 | 0.000 | 20.313 | 0.000 | 96.875 | 68.750 | 7422.240 | 13141.980 | 445081.760 |
| x | | 1.563 | 1.563 | 35.417 | 2.083 | 106.771 | 75.000 | 7495.716 | 13165.960 | 446898.610 |
| σ | | 1.563 | 1.563 | 13.289 | 2.387 | 13.289 | 5.634 | 85.470 | 79.397 | 8305.619 |
| %RSD | | 100.000 | 100.000 | 37.522 | 114.564 | 12.446 | 7.512 | 1.140 | 0.603 | 1.859 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:30:25 | 474025.210 | 28.125 | 96.875 | 634.389 | 515.634 | 1190.675 | 411474.580 | 218667.070 |
| 2 | 06:31:33 | 488841.880 | 34.375 | 110.938 | 571.886 | 485.946 | 1210.989 | 420328.380 | 214217.610 |
| 3 | 06:32:41 | 488256.750 | 32.813 | 76.563 | 543.760 | 459.382 | 1079.728 | 423557.630 | 212481.020 |
| x | | 483707.950 | 31.771 | 94.792 | 583.345 | 486.987 | 1160.464 | 418453.530 | 215121.900 |
| σ | | 8390.597 | 3.253 | 17.282 | 46.388 | 28.140 | 70.653 | 6255.902 | 3190.631 |
| %RSD | | 1.735 | 10.238 | 18.232 | 7.952 | 5.778 | 6.088 | 1.495 | 1.483 |

**C1867-01X25 MF3T55** 05/01/2011 06:37:11 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:38:19 | 16217.012 | 3.125 | 762.520 | 307.816 | 5159730.000 | 930947.510 | 122805.270 | 147281.890 | 484.383 |
| 2 | 06:39:27 | 16698.817 | 5.208 | 671.891 | 362.505 | 5255907.900 | 952199.890 | 125889.750 | 149413.220 | 526.572 |
| 3 | 06:40:35 | 16409.419 | 1.563 | 667.203 | 317.191 | 5254523.800 | 953346.940 | 126718.910 | 151819.650 | 593.762 |
| x | | 16441.749 | 3.299 | 700.538 | 329.170 | 5223387.300 | 945498.110 | 125137.980 | 149504.920 | 534.906 |
| σ | | 242.524 | 1.829 | 53.729 | 29.246 | 55133.125 | 12614.240 | 2062.287 | 2270.268 | 55.164 |
| %RSD | | 1.475 | 55.451 | 7.670 | 8.885 | 1.056 | 1.334 | 1.648 | 1.519 | 10.313 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:38:19 | 65066.591 | 895.341 | 30792.526 | 125725.820 | 253766.890 | 11951.873 | 200628.680 | 65044.617 | 20.313 |
| 2 | 06:39:27 | 64972.414 | 900.028 | 31151.114 | 126315.360 | 254131.090 | 12397.565 | 201056.510 | 64777.783 | 4.688 |
| 3 | 06:40:35 | 65838.868 | 895.341 | 31786.887 | 123043.240 | 255845.660 | 12245.871 | 203921.690 | 64437.186 | 17.188 |
| x | | 65292.624 | 896.903 | 31243.509 | 125028.140 | 254581.210 | 12198.436 | 201868.960 | 64753.195 | 14.063 |
| σ | | 475.398 | 2.706 | 503.579 | 1744.065 | 1110.084 | 226.601 | 1790.542 | 304.461 | 8.268 |
| %RSD | | 0.728 | 0.302 | 1.612 | 1.395 | 0.436 | 1.858 | 0.887 | 0.470 | 58.794 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:38:19 | 19447.603 | 859.401 | 6143.508 | 3081.582 | 196.876 | 40908.489 | 1721.979 | 35.938 | 54.688 |
| 2 | 06:39:27 | 18859.315 | 900.028 | 6132.566 | 2978.436 | 237.502 | 40671.877 | 1850.120 | 39.063 | 45.313 |
| 3 | 06:40:35 | 18282.003 | 942.219 | 5619.855 | 3120.653 | 201.564 | 41408.363 | 1881.374 | 35.938 | 73.438 |
| x | | 18862.974 | 900.549 | 5965.310 | 3060.224 | 211.981 | 40996.243 | 1817.824 | 36.979 | 57.813 |
| σ | | 582.809 | 41.411 | 299.223 | 73.475 | 22.226 | 376.003 | 84.463 | 1.804 | 14.321 |
| %RSD | | 3.090 | 4.598 | 5.016 | 2.401 | 10.485 | 0.917 | 4.646 | 4.879 | 24.771 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:38:19 | 118.750 | 46.875 | 104.688 | 240.627 | 67.188 | 67.188 | 181.251 | 33.333 | 26.563 |
| 2 | 06:39:27 | 104.688 | 28.125 | 114.063 | 246.877 | 75.000 | 75.000 | 168.230 | 29.167 | 19.792 |
| 3 | 06:40:35 | 106.250 | 43.750 | 93.750 | 228.648 | 60.938 | 60.938 | 184.376 | 35.938 | 23.958 |
| x | | 109.896 | 39.583 | 104.167 | 238.717 | 67.708 | 67.708 | 177.953 | 32.813 | 23.438 |
| σ | | 7.708 | 10.045 | 10.166 | 9.264 | 7.046 | 7.046 | 8.564 | 3.415 | 3.415 |
| %RSD | | 7.014 | 25.378 | 9.760 | 3.881 | 10.406 | 10.406 | 4.812 | 10.409 | 14.572 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:38:19 | 14.063 | 17.188 | 25.000 | 17.188 | 32.813 | 3.125 | 182904.060 | 131.251 | 12.500 |
| 2 | 06:39:27 | 17.188 | 29.688 | 25.000 | 26.563 | 56.250 | 0.000 | 182413.480 | 114.063 | 6.250 |
| 3 | 06:40:35 | 17.188 | 23.438 | 35.938 | 18.750 | 35.938 | 1.563 | 181446.590 | 101.563 | 6.250 |
| x | | 16.146 | 23.438 | 28.646 | 20.833 | 41.667 | 1.563 | 182254.710 | 115.625 | 8.333 |
| σ | | 1.804 | 6.250 | 6.315 | 5.023 | 12.726 | 1.563 | 741.594 | 14.905 | 3.608 |
| %RSD | | 11.175 | 26.667 | 22.044 | 24.109 | 30.542 | 100.000 | 0.407 | 12.891 | 43.301 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:38:19 | 1.563 | 1.563 | 7.813 | 1.563 | 68.750 | 17.188 | 200.001 | 360.942 | 486438.460 |
| 2 | 06:39:27 | 1.563 | 1.563 | 10.938 | 1.563 | 76.563 | 21.875 | 223.439 | 362.505 | 486388.350 |
| 3 | 06:40:35 | 0.000 | 0.000 | 6.250 | 0.000 | 56.250 | 18.750 | 178.126 | 346.879 | 482065.790 |
| x | | 1.042 | 1.042 | 8.333 | 1.042 | 67.188 | 19.271 | 200.522 | 356.775 | 484964.200 |
| σ | | 0.902 | 0.902 | 2.387 | 0.902 | 10.246 | 2.387 | 22.661 | 8.606 | 2510.220 |
| %RSD | | 86.603 | 86.603 | 28.641 | 86.603 | 15.250 | 12.385 | 11.301 | 2.412 | 0.518 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:38:19 | 520245.730 | 29.688 | 56.250 | 82.813 | 84.375 | 170.314 | 477759.050 | 5890.277 |
| 2 | 06:39:27 | 532366.160 | 26.563 | 59.375 | 90.625 | 67.188 | 187.501 | 479774.950 | 5615.166 |
| 3 | 06:40:35 | 516933.370 | 32.813 | 50.000 | 67.188 | 76.563 | 201.564 | 474905.290 | 5669.875 |
| x | | 523181.750 | 29.688 | 55.208 | 80.209 | 76.042 | 186.460 | 477479.760 | 5725.106 |
| σ | | 8124.525 | 3.125 | 4.774 | 11.934 | 8.606 | 15.651 | 2446.815 | 145.634 |
| %RSD | | 1.553 | 10.526 | 8.646 | 14.879 | 11.317 | 8.394 | 0.512 | 2.544 |

**C1867-02X25 MF3T57** 05/01/2011 06:45:06 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:46:14 | 16229.526 | 3.125 | 471.883 | 290.628 | 4009120.600 | 799045.160 | 105124.430 | 126286.990 | 815.648 |
| 2 | 06:47:22 | 15915.110 | 2.083 | 481.258 | 318.754 | 4041083.900 | 798277.890 | 105503.780 | 127904.410 | 796.897 |
| 3 | 06:48:30 | 16329.640 | 0.000 | 503.134 | 310.941 | 4000558.800 | 787992.990 | 103073.630 | 125215.110 | 820.336 |
| x | | 16158.092 | 1.736 | 485.425 | 306.774 | 4016921.100 | 795105.350 | 104567.280 | 126468.840 | 810.961 |
| σ | | 216.300 | 1.591 | 16.037 | 14.518 | 21358.980 | 6171.417 | 1307.369 | 1353.837 | 12.403 |
| %RSD | | 1.339 | 91.652 | 3.304 | 4.733 | 0.532 | 0.776 | 1.250 | 1.070 | 1.529 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:46:14 | 57487.310 | 825.024 | 28365.633 | 115351.330 | 254391.920 | 12094.180 | 206267.510 | 62831.620 | 23.438 |
| 2 | 06:47:22 | 58667.092 | 870.339 | 28724.161 | 116491.780 | 254309.220 | 12394.437 | 206142.280 | 62720.195 | 15.625 |
| 3 | 06:48:30 | 57772.834 | 848.463 | 28381.289 | 116737.530 | 253366.120 | 12553.951 | 206598.810 | 62955.602 | 15.625 |
| x | | 57975.745 | 847.942 | 28490.361 | 116193.550 | 254022.420 | 12347.523 | 206336.200 | 62835.806 | 18.229 |
| σ | | 615.509 | 22.662 | 202.628 | 739.655 | 569.875 | 233.448 | 235.886 | 117.759 | 4.511 |
| %RSD | | 1.062 | 2.673 | 0.711 | 0.637 | 0.224 | 1.891 | 0.114 | 0.187 | 24.744 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:46:14 | 15661.705 | 535.948 | 4827.378 | 3367.584 | 20948.160 | 48270.476 | 2026.706 | 35.938 | 68.750 |
| 2 | 06:47:22 | 15364.508 | 520.322 | 4797.681 | 3434.788 | 20738.480 | 49137.487 | 2042.334 | 39.063 | 78.125 |
| 3 | 06:48:30 | 15255.016 | 470.320 | 4853.950 | 3495.740 | 21293.983 | 48388.061 | 2014.205 | 20.313 | 64.063 |
| x | | 15427.076 | 508.863 | 4826.336 | 3432.704 | 20993.541 | 48598.675 | 2027.748 | 31.771 | 70.313 |
| σ | | 210.441 | 34.281 | 28.149 | 64.103 | 280.519 | 470.314 | 14.093 | 10.045 | 7.160 |
| %RSD | | 1.364 | 6.737 | 0.583 | 1.867 | 1.336 | 0.968 | 0.695 | 31.619 | 10.184 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:46:14 | 112.500 | 50.000 | 181.251 | 185.939 | 50.000 | 50.000 | 163.543 | 36.979 | 17.188 |
| 2 | 06:47:22 | 90.625 | 59.375 | 157.813 | 183.335 | 75.000 | 75.000 | 191.147 | 40.625 | 23.438 |
| 3 | 06:48:30 | 106.250 | 50.000 | 165.626 | 209.377 | 64.063 | 64.063 | 176.043 | 30.208 | 20.833 |
| x | | 103.125 | 53.125 | 168.230 | 192.883 | 63.021 | 63.021 | 176.911 | 35.938 | 20.486 |
| σ | | 11.267 | 5.413 | 11.934 | 14.343 | 12.533 | 12.533 | 13.823 | 5.286 | 3.139 |
| %RSD | | 10.926 | 10.189 | 7.094 | 7.436 | 19.886 | 19.886 | 7.813 | 14.709 | 15.325 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:46:14 | 25.000 | 34.375 | 35.938 | 50.000 | 68.750 | 3.125 | 177892.940 | 126.563 | 12.500 |
| 2 | 06:47:22 | 15.625 | 31.250 | 34.375 | 35.938 | 57.813 | 0.000 | 178402.360 | 112.500 | 14.063 |
| 3 | 06:48:30 | 31.250 | 50.000 | 42.188 | 15.625 | 64.063 | 3.125 | 181459.250 | 120.313 | 10.938 |
| x | | 23.958 | 38.542 | 37.500 | 33.854 | 63.542 | 2.083 | 179251.520 | 119.792 | 12.500 |
| σ | | 7.864 | 10.045 | 4.134 | 17.282 | 5.487 | 1.804 | 1928.845 | 7.046 | 1.563 |
| %RSD | | 32.825 | 26.064 | 11.024 | 51.048 | 8.636 | 86.603 | 1.076 | 5.882 | 12.500 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:46:14 | 0.000 | 0.000 | 9.375 | 3.125 | 81.250 | 48.438 | 439.069 | 723.456 | 475913.010 |
| 2 | 06:47:22 | 1.563 | 1.563 | 23.438 | 1.563 | 85.938 | 31.250 | 423.444 | 804.710 | 477444.090 |
| 3 | 06:48:30 | 1.563 | 1.563 | 4.688 | 0.000 | 85.938 | 25.000 | 431.257 | 745.332 | 483317.990 |
| x | | 1.042 | 1.042 | 12.500 | 1.563 | 84.375 | 34.896 | 431.257 | 757.833 | 478891.700 |
| σ | | 0.902 | 0.902 | 9.758 | 1.563 | 2.706 | 12.137 | 7.813 | 42.045 | 3908.979 |
| %RSD | | 86.603 | 86.603 | 78.063 | 100.000 | 3.208 | 34.780 | 1.812 | 5.548 | 0.816 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:46:14 | 515514.710 | 46.875 | 109.375 | 128.126 | 143.751 | 350.004 | 463584.590 | 3569.196 |
| 2 | 06:47:22 | 509856.040 | 35.938 | 104.688 | 120.313 | 139.063 | 317.191 | 469304.370 | 3650.466 |
| 3 | 06:48:30 | 525506.560 | 46.875 | 93.750 | 153.126 | 135.938 | 348.442 | 475317.090 | 3627.023 |
| x | | 516959.100 | 43.229 | 102.605 | 133.855 | 139.584 | 338.546 | 469402.020 | 3615.562 |
| σ | | 7924.609 | 6.315 | 8.018 | 17.140 | 3.932 | 18.510 | 5866.859 | 41.830 |
| %RSD | | 1.533 | 14.608 | 7.815 | 12.805 | 2.817 | 5.468 | 1.250 | 1.157 |

**C1867-03X25 MF3T559** 05/01/2011 06:53:01 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:54:09 | 15904.161 | 0.521 | 495.321 | 270.315 | 4513798.900 | 883423.450 | 116769.030 | 141453.110 | 525.010 |
| 2 | 06:55:18 | 15572.546 | 1.563 | 556.261 | 284.378 | 4530211.400 | 889120.180 | 117591.360 | 141206.950 | 503.134 |
| 3 | 06:56:26 | 16152.877 | 2.604 | 484.383 | 292.190 | 4518845.800 | 896615.740 | 118757.200 | 142747.140 | 507.822 |
| x | | 15876.528 | 1.563 | 511.988 | 282.294 | 4520952.000 | 889719.790 | 117705.860 | 141802.400 | 511.988 |
| σ | | 291.151 | 1.042 | 38.729 | 11.086 | 8406.485 | 6616.552 | 999.015 | 827.375 | 11.518 |
| %RSD | | 1.834 | 66.667 | 7.564 | 3.927 | 0.186 | 0.744 | 0.849 | 0.583 | 2.250 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:54:09 | 60474.606 | 932.843 | 30377.576 | 111587.240 | 257441.130 | 13226.433 | 220028.360 | 62202.313 | 14.063 |
| 2 | 06:55:18 | 60631.519 | 890.653 | 30346.260 | 114538.580 | 256481.920 | 13129.468 | 220921.680 | 63046.627 | 25.000 |
| 3 | 06:56:26 | 60703.699 | 878.152 | 30241.350 | 113691.230 | 258395.630 | 13190.462 | 221740.470 | 63267.914 | 10.938 |
| x | | 60603.275 | 900.549 | 30321.729 | 113272.350 | 257439.560 | 13182.121 | 220896.840 | 62838.951 | 16.667 |
| σ | | 117.129 | 28.657 | 71.349 | 1519.607 | 956.858 | 49.017 | 856.323 | 562.338 | 7.384 |
| %RSD | | 0.193 | 3.182 | 0.235 | 1.342 | 0.372 | 0.372 | 0.388 | 0.895 | 44.305 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:54:09 | 13964.635 | 425.006 | 4199.055 | 3006.566 | 235.939 | 41151.372 | 1796.988 | 17.188 | 57.813 |
| 2 | 06:55:18 | 13705.008 | 439.069 | 4386.611 | 2953.430 | 243.752 | 40748.658 | 1907.940 | 23.438 | 65.625 |
| 3 | 06:56:26 | 13575.197 | 423.444 | 4220.936 | 2915.923 | 243.752 | 41195.249 | 1959.509 | 34.375 | 51.563 |
| x | | 13748.280 | 429.173 | 4268.867 | 2958.640 | 241.148 | 41031.760 | 1888.146 | 25.000 | 58.333 |
| σ | | 198.292 | 8.606 | 102.554 | 45.546 | 4.511 | 246.153 | 83.049 | 8.700 | 7.046 |
| %RSD | | 1.442 | 2.005 | 2.402 | 1.539 | 1.870 | 0.600 | 4.398 | 34.799 | 12.078 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:54:09 | 148.438 | 53.125 | 93.750 | 176.564 | 65.625 | 65.625 | 217.710 | 36.979 | 27.604 |
| 2 | 06:55:18 | 120.313 | 59.375 | 67.188 | 163.543 | 59.375 | 59.375 | 189.585 | 35.417 | 19.271 |
| 3 | 06:56:26 | 148.438 | 53.125 | 87.500 | 177.605 | 39.063 | 39.063 | 187.501 | 37.500 | 25.521 |
| x | | 139.063 | 55.208 | 82.813 | 172.570 | 54.688 | 54.688 | 198.265 | 36.632 | 24.132 |
| σ | | 16.238 | 3.608 | 13.888 | 7.836 | 13.888 | 13.888 | 16.872 | 1.084 | 4.337 |
| %RSD | | 11.677 | 6.536 | 16.770 | 4.541 | 25.395 | 25.395 | 8.510 | 2.960 | 17.971 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:54:09 | 26.563 | 25.000 | 32.813 | 17.188 | 25.000 | 3.125 | 178698.210 | 98.438 | 25.000 |
| 2 | 06:55:18 | 18.750 | 26.563 | 18.750 | 26.563 | 29.688 | 3.125 | 180052.560 | 96.875 | 17.188 |
| 3 | 06:56:26 | 28.125 | 21.875 | 31.250 | 31.250 | 40.625 | 1.563 | 178103.350 | 112.500 | 32.813 |
| x | | 24.479 | 24.479 | 27.604 | 25.000 | 31.771 | 2.604 | 178951.370 | 102.605 | 25.000 |
| σ | | 5.023 | 2.387 | 7.708 | 7.160 | 8.018 | 0.902 | 998.959 | 8.606 | 7.813 |
| %RSD | | 20.518 | 9.750 | 27.922 | 28.641 | 25.237 | 34.641 | 0.558 | 8.387 | 31.250 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:54:09 | 0.000 | 0.000 | 29.688 | 1.563 | 60.938 | 15.625 | 215.627 | 367.192 | 478418.070 |
| 2 | 06:55:18 | 0.000 | 0.000 | 23.438 | 1.563 | 59.375 | 9.375 | 240.627 | 379.693 | 482408.320 |
| 3 | 06:56:26 | 1.563 | 1.563 | 32.813 | 3.125 | 57.813 | 29.688 | 234.377 | 404.693 | 479033.500 |
| x | | 0.521 | 0.521 | 28.646 | 2.083 | 59.375 | 18.229 | 230.210 | 383.859 | 479953.290 |
| σ | | 0.902 | 0.902 | 4.774 | 0.902 | 1.563 | 10.404 | 13.011 | 19.095 | 2148.267 |
| %RSD | | 173.205 | 173.205 | 16.664 | 43.301 | 2.632 | 57.071 | 5.652 | 4.974 | 0.448 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 06:54:09 | 512972.490 | 29.688 | 76.563 | 79.688 | 76.563 | 153.126 | 470106.680 | 5177.501 |
| 2 | 06:55:18 | 518180.480 | 20.313 | 71.875 | 121.876 | 82.813 | 170.314 | 473132.270 | 5121.230 |
| 3 | 06:56:26 | 522875.100 | 34.375 | 60.938 | 64.063 | 76.563 | 176.564 | 471346.540 | 5215.014 |
| x | | 518009.350 | 28.125 | 69.792 | 88.542 | 78.646 | 166.668 | 471528.490 | 5171.248 |
| σ | | 4953.522 | 7.160 | 8.018 | 29.906 | 3.608 | 12.137 | 1520.980 | 47.204 |
| %RSD | | 0.956 | 25.459 | 11.489 | 33.776 | 4.588 | 7.282 | 0.323 | 0.913 |

**C1867-04X25 MF3T74** 05/01/2011 07:00:57 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:02:05 | 16071.535 | 2.604 | 912.529 | 290.628 | 10694677.000 | 1744886.800 | 228643.320 | 273894.450 | 446.882 |
| 2 | 07:03:13 | 15977.680 | 3.125 | 904.716 | 298.441 | 10588230.000 | 1715512.700 | 228502.020 | 274778.380 | 485.946 |
| 3 | 07:04:21 | 15688.297 | 4.688 | 784.397 | 284.378 | 10810150.000 | 1762528.700 | 231734.730 | 281142.610 | 470.320 |
| x | | 15912.504 | 3.472 | 867.214 | 291.149 | 10697686.000 | 1740976.100 | 229626.690 | 276605.150 | 467.716 |
| σ | | 199.759 | 1.084 | 71.828 | 7.046 | 110990.850 | 23750.699 | 1826.978 | 3954.334 | 19.662 |
| %RSD | | 1.255 | 31.225 | 8.283 | 2.420 | 1.038 | 1.364 | 0.796 | 1.430 | 4.204 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:02:05 | 66834.098 | 845.338 | 47325.134 | 113278.600 | 280433.560 | 21492.718 | 349637.840 | 62717.056 | 7.813 |
| 2 | 07:03:13 | 66909.450 | 837.525 | 47064.901 | 115650.620 | 278789.350 | 21444.208 | 351978.660 | 63054.474 | 7.813 |
| 3 | 07:04:21 | 67672.406 | 878.152 | 47913.026 | 116617.810 | 281392.780 | 21631.991 | 356664.630 | 61536.940 | 14.063 |
| x | | 67138.651 | 853.671 | 47434.354 | 115182.340 | 280205.230 | 21522.972 | 352760.380 | 62436.157 | 9.896 |
| σ | | 463.778 | 21.558 | 434.483 | 1718.150 | 1316.648 | 97.479 | 3578.023 | 796.809 | 3.608 |
| %RSD | | 0.691 | 2.525 | 0.916 | 1.492 | 0.470 | 0.453 | 1.014 | 1.276 | 36.464 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:02:05 | 13237.380 | 337.504 | 3900.532 | 2939.365 | 190.626 | 40468.175 | 2428.331 | 42.188 | 81.250 |
| 2 | 07:03:13 | 13062.219 | 318.754 | 4008.375 | 3019.069 | 204.689 | 40740.823 | 2464.275 | 71.875 | 81.250 |
| 3 | 07:04:21 | 12976.203 | 345.317 | 3827.075 | 2978.436 | 168.751 | 40571.593 | 2509.595 | 68.750 | 87.500 |
| x | | 13091.934 | 333.858 | 3911.994 | 2978.956 | 188.022 | 40593.530 | 2467.401 | 60.938 | 83.334 |
| σ | | 133.100 | 13.652 | 91.192 | 39.855 | 18.110 | 137.642 | 40.722 | 16.313 | 3.608 |
| %RSD | | 1.017 | 4.089 | 2.331 | 1.338 | 9.632 | 0.339 | 1.650 | 26.770 | 4.330 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:02:05 | 260.940 | 115.625 | 148.438 | 149.480 | 67.188 | 67.188 | 195.835 | 52.604 | 20.833 |
| 2 | 07:03:13 | 198.439 | 96.875 | 181.251 | 169.793 | 53.125 | 53.125 | 212.502 | 47.917 | 23.958 |
| 3 | 07:04:21 | 256.252 | 134.376 | 189.064 | 156.251 | 65.625 | 65.625 | 202.085 | 44.271 | 20.313 |
| x | | 238.544 | 115.625 | 172.918 | 158.508 | 61.979 | 61.979 | 203.474 | 48.264 | 21.701 |
| σ | | 34.811 | 18.750 | 21.557 | 10.343 | 7.708 | 7.708 | 8.420 | 4.178 | 1.972 |
| %RSD | | 14.593 | 16.216 | 12.466 | 6.525 | 12.436 | 12.436 | 4.138 | 8.656 | 9.086 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:02:05 | 18.750 | 25.000 | 23.438 | 15.625 | 37.500 | 0.000 | 176540.380 | 95.313 | 4.688 |
| 2 | 07:03:13 | 21.875 | 21.875 | 14.063 | 28.125 | 28.125 | 0.000 | 177717.340 | 103.125 | 9.375 |
| 3 | 07:04:21 | 17.188 | 17.188 | 21.875 | 25.000 | 48.438 | 1.563 | 174882.680 | 82.813 | 6.250 |
| x | | 19.271 | 21.354 | 19.792 | 22.917 | 38.021 | 0.521 | 176380.130 | 93.750 | 6.771 |
| σ | | 2.387 | 3.932 | 5.023 | 6.505 | 10.166 | 0.902 | 1424.109 | 10.246 | 2.387 |
| %RSD | | 12.385 | 18.414 | 25.378 | 28.386 | 26.739 | 173.205 | 0.807 | 10.929 | 35.251 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:02:05 | 1.563 | 1.563 | 15.625 | 6.250 | 50.000 | 29.688 | 395.318 | 631.264 | 481548.790 |
| 2 | 07:03:13 | 1.563 | 1.563 | 14.063 | 0.000 | 53.125 | 15.625 | 360.942 | 660.953 | 481510.010 |
| 3 | 07:04:21 | 0.000 | 0.000 | 12.500 | 1.563 | 64.063 | 14.063 | 365.630 | 695.329 | 475032.870 |
| x | | 1.042 | 1.042 | 14.063 | 2.604 | 55.729 | 19.792 | 373.963 | 662.515 | 479363.890 |
| σ | | 0.902 | 0.902 | 1.563 | 3.253 | 7.384 | 8.606 | 18.642 | 32.061 | 3750.826 |
| %RSD | | 86.603 | 86.603 | 11.111 | 124.900 | 13.250 | 43.481 | 4.985 | 4.839 | 0.782 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:02:05 | 521849.540 | 40.625 | 65.625 | 137.501 | 123.438 | 292.190 | 473188.780 | 5014.943 |
| 2 | 07:03:13 | 520385.040 | 26.563 | 57.813 | 115.625 | 95.313 | 264.065 | 469912.960 | 5030.573 |
| 3 | 07:04:21 | 518488.220 | 35.938 | 65.625 | 153.126 | 125.001 | 329.691 | 467440.030 | 5215.014 |
| x | | 520240.940 | 34.375 | 63.021 | 135.417 | 114.584 | 295.316 | 470180.590 | 5086.843 |
| σ | | 1685.285 | 7.160 | 4.511 | 18.837 | 16.707 | 32.925 | 2883.705 | 111.274 |
| %RSD | | 0.324 | 20.830 | 7.157 | 13.910 | 14.581 | 11.149 | 0.613 | 2.187 |

**C1867-05X25 MF3T75** 05/01/2011 07:08:53 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:10:01 | 15980.809 | 3.125 | 393.755 | 301.566 | 4498367.900 | 1421551.300 | 187725.380 | 227987.650 | 485.946 |
| 2 | 07:11:09 | 16076.228 | 5.208 | 401.568 | 301.566 | 4453252.200 | 1420907.200 | 189384.560 | 226495.450 | 481.258 |
| 3 | 07:12:17 | 16199.805 | 3.646 | 387.505 | 337.504 | 4436518.700 | 1404822.900 | 186818.290 | 226982.780 | 481.258 |
| x | | 16085.614 | 3.993 | 394.276 | 313.545 | 4462712.900 | 1415760.500 | 187976.080 | 227155.290 | 482.821 |
| σ | | 109.800 | 1.084 | 7.046 | 20.749 | 31991.557 | 9477.667 | 1301.375 | 760.914 | 2.706 |
| %RSD | | 0.683 | 27.152 | 1.787 | 6.618 | 0.717 | 0.669 | 0.692 | 0.335 | 0.561 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:10:01 | 60204.720 | 945.344 | 30642.203 | 112664.390 | 288467.740 | 14430.722 | 237436.590 | 63245.942 | 10.938 |
| 2 | 07:11:09 | 59740.276 | 915.654 | 30358.786 | 113250.250 | 290766.780 | 14244.598 | 236067.300 | 62687.238 | 17.188 |
| 3 | 07:12:17 | 60942.212 | 871.902 | 30028.402 | 113199.850 | 290044.500 | 14454.184 | 237862.330 | 62652.712 | 14.063 |
| x | | 60295.736 | 910.967 | 30343.130 | 113038.170 | 289759.670 | 14376.501 | 237122.080 | 62861.964 | 14.063 |
| σ | | 606.115 | 36.945 | 307.200 | 324.675 | 1175.685 | 114.832 | 937.937 | 332.983 | 3.125 |
| %RSD | | 1.005 | 4.056 | 1.012 | 0.287 | 0.406 | 0.799 | 0.396 | 0.530 | 22.222 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:10:01 | 12112.946 | 328.129 | 3619.208 | 3053.451 | 206.251 | 42254.586 | 1998.577 | 26.563 | 48.438 |
| 2 | 07:11:09 | 12225.541 | 285.940 | 3592.639 | 3034.697 | 206.251 | 42452.045 | 1995.452 | 35.938 | 48.438 |
| 3 | 07:12:17 | 12053.520 | 332.816 | 3641.089 | 2915.923 | 187.501 | 42212.274 | 2151.725 | 21.875 | 34.375 |
| x | | 12130.669 | 315.629 | 3617.646 | 3001.357 | 200.001 | 42306.302 | 2048.585 | 28.125 | 43.750 |
| σ | | 87.369 | 25.817 | 24.263 | 74.580 | 10.825 | 127.978 | 89.336 | 7.160 | 8.119 |
| %RSD | | 0.720 | 8.180 | 0.671 | 2.485 | 5.413 | 0.303 | 4.361 | 25.459 | 18.558 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:10:01 | 89.063 | 39.063 | 75.000 | 161.459 | 53.125 | 53.125 | 183.335 | 32.813 | 20.313 |
| 2 | 07:11:09 | 87.500 | 34.375 | 87.500 | 159.376 | 21.875 | 21.875 | 179.168 | 31.250 | 25.000 |
| 3 | 07:12:17 | 96.875 | 34.375 | 65.625 | 155.209 | 43.750 | 43.750 | 201.564 | 27.604 | 23.958 |
| x | | 91.146 | 35.938 | 76.042 | 158.681 | 39.583 | 39.583 | 188.022 | 30.556 | 23.090 |
| σ | | 5.023 | 2.706 | 10.975 | 3.182 | 16.036 | 16.036 | 11.911 | 2.673 | 2.461 |
| %RSD | | 5.511 | 7.531 | 14.432 | 2.006 | 40.513 | 40.513 | 6.335 | 8.747 | 10.660 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:10:01 | 28.125 | 23.438 | 12.500 | 32.813 | 48.438 | 0.000 | 178780.480 | 101.563 | 6.250 |
| 2 | 07:11:09 | 17.188 | 20.313 | 31.250 | 26.563 | 31.250 | 1.563 | 179340.560 | 101.563 | 3.125 |
| 3 | 07:12:17 | 23.438 | 26.563 | 26.563 | 26.563 | 25.000 | 1.563 | 180028.820 | 118.750 | 6.250 |
| x | | 22.917 | 23.438 | 23.438 | 28.646 | 34.896 | 1.042 | 179383.290 | 107.292 | 5.208 |
| σ | | 5.487 | 3.125 | 9.758 | 3.608 | 12.137 | 0.902 | 625.267 | 9.923 | 1.804 |
| %RSD | | 23.945 | 13.333 | 41.633 | 12.597 | 34.780 | 86.603 | 0.349 | 9.249 | 34.641 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:10:01 | 0.000 | 0.000 | 7.813 | 1.563 | 60.938 | 10.938 | 326.566 | 648.452 | 482460.020 |
| 2 | 07:11:09 | 1.563 | 1.563 | 9.375 | 0.000 | 78.125 | 23.438 | 381.255 | 603.138 | 480178.810 |
| 3 | 07:12:17 | 0.000 | 0.000 | 0.000 | 1.563 | 48.438 | 23.438 | 323.441 | 568.761 | 488473.340 |
| x | | 0.521 | 0.521 | 5.729 | 1.042 | 62.500 | 19.271 | 343.754 | 606.784 | 483704.060 |
| σ | | 0.902 | 0.902 | 5.023 | 0.902 | 14.905 | 7.217 | 32.514 | 39.970 | 4284.918 |
| %RSD | | 173.205 | 173.205 | 87.670 | 86.603 | 23.849 | 37.450 | 9.459 | 6.587 | 0.886 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:10:01 | 524469.470 | 31.250 | 56.250 | 57.813 | 48.438 | 129.688 | 473768.460 | 8882.448 |
| 2 | 07:11:09 | 519150.710 | 26.563 | 73.438 | 90.625 | 57.813 | 134.376 | 475874.250 | 8940.297 |
| 3 | 07:12:17 | 527089.880 | 20.313 | 68.750 | 53.125 | 56.250 | 134.376 | 479379.180 | 8949.677 |
| x | | 523570.020 | 26.042 | 66.146 | 67.188 | 54.167 | 132.813 | 476340.630 | 8924.141 |
| σ | | 4045.293 | 5.487 | 8.885 | 20.432 | 5.023 | 2.706 | 2834.286 | 36.410 |
| %RSD | | 0.773 | 21.071 | 13.432 | 30.411 | 9.273 | 2.038 | 0.595 | 0.408 |

**CCV** 05/01/2011 07:16:47 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:17:55 | 14058.477 | 23848.014 | 4519.465 | 317.191 | 19356684.000 | 13390777.000 | 1825017.900 | 2152033.000 | 3033749.500 |
| 2 | 07:19:03 | 14158.575 | 24085.391 | 4830.504 | 364.067 | 19543149.000 | 13237607.000 | 1810928.700 | 2149273.900 | 3037712.200 |
| 3 | 07:20:11 | 14097.578 | 24449.550 | 4705.462 | 356.254 | 19510488.000 | 13384231.000 | 1832331.200 | 2177470.800 | 3063992.900 |
| x | | 14104.876 | 24127.652 | 4685.144 | 345.838 | 19470107.000 | 13337539.000 | 1822759.300 | 2159592.600 | 3045151.600 |
| σ | | 50.447 | 302.987 | 156.512 | 25.114 | 99575.434 | 86604.993 | 10878.544 | 15544.333 | 16436.971 |
| %RSD | | 0.358 | 1.256 | 3.341 | 7.262 | 0.511 | 0.649 | 0.597 | 0.720 | 0.540 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:17:55 | 28172.443 | 153252.010 | 15799.357 | 76985.002 | 9128570.400 | 47663.765 | 699758.130 | 55567.235 | 22312.724 |
| 2 | 07:19:03 | 27951.168 | 151582.780 | 15860.362 | 77204.934 | 9113835.200 | 47246.868 | 702999.080 | 54721.794 | 22162.490 |
| 3 | 07:20:11 | 28830.997 | 153378.350 | 15483.386 | 77563.116 | 9198195.200 | 47758.645 | 705323.620 | 54323.403 | 23149.992 |
| x | | 28318.203 | 152737.710 | 15714.368 | 77251.017 | 9146866.900 | 47556.426 | 702693.610 | 54870.811 | 22541.735 |
| σ | | 457.667 | 1002.196 | 202.349 | 291.799 | 45058.022 | 272.251 | 2795.290 | 635.165 | 532.095 |
| %RSD | | 1.616 | 0.656 | 1.288 | 0.378 | 0.493 | 0.572 | 0.398 | 1.158 | 2.360 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:17:55 | 352039.510 | 336255.080 | 43314.002 | 1260976.400 | 950347.720 | 21632119.000 | 531305.540 | 403275.360 | 87977.885 |
| 2 | 07:19:03 | 348819.770 | 334262.250 | 42630.701 | 1258050.100 | 950239.290 | 21589487.000 | 528259.420 | 401323.090 | 87161.969 |
| 3 | 07:20:11 | 356635.800 | 337813.070 | 43461.323 | 1280591.000 | 970773.610 | 21688372.000 | 538549.700 | 411218.940 | 87749.927 |
| x | | 352498.360 | 336110.130 | 43135.342 | 1266539.200 | 957120.210 | 21636659.000 | 532704.890 | 405272.460 | 87629.927 |
| σ | | 3928.167 | 1779.844 | 443.196 | 12256.895 | 11824.317 | 49598.692 | 5285.934 | 5241.494 | 420.987 |
| %RSD | | 1.114 | 0.530 | 1.027 | 0.968 | 1.235 | 0.229 | 0.992 | 1.293 | 0.480 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:17:55 | 433563.680 | 212111.530 | 165384.630 | 64261.397 | 4211.558 | 4211.558 | 13482.922 | 5758.973 | 24.479 |
| 2 | 07:19:03 | 437382.160 | 210314.950 | 165324.560 | 64261.397 | 4131.847 | 4131.847 | 13459.463 | 5799.093 | 19.271 |
| 3 | 07:20:11 | 438350.220 | 214312.770 | 169172.340 | 65044.617 | 4188.114 | 4188.114 | 13581.974 | 5871.519 | 21.354 |
| x | | 436432.020 | 212246.410 | 166627.180 | 64522.470 | 4177.173 | 4177.173 | 13508.120 | 5809.862 | 21.701 |
| σ | | 2530.775 | 2002.321 | 2204.382 | 452.192 | 40.966 | 40.966 | 65.027 | 57.040 | 2.621 |
| %RSD | | 0.580 | 0.943 | 1.323 | 0.701 | 0.981 | 0.981 | 0.481 | 0.982 | 12.080 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:17:55 | 131500.900 | 139018.450 | 157971.750 | 86386.970 | 226960.550 | 7.813 | 157132.890 | 10286.515 | 432943.730 |
| 2 | 07:19:03 | 130647.820 | 138791.260 | 159456.860 | 87532.977 | 230794.690 | 1.563 | 157647.890 | 10238.042 | 431805.360 |
| 3 | 07:20:11 | 132822.420 | 139884.660 | 160088.870 | 88881.892 | 231375.850 | 1.563 | 153822.150 | 10308.405 | 434903.490 |
| x | | 131657.050 | 139231.460 | 159172.500 | 87600.613 | 229710.370 | 3.646 | 156200.970 | 10277.654 | 433217.530 |
| σ | | 1095.678 | 576.983 | 1086.831 | 1248.836 | 2399.070 | 3.608 | 2076.156 | 36.009 | 1567.110 |
| %RSD | | 0.832 | 0.414 | 0.683 | 1.426 | 1.044 | 98.974 | 1.329 | 0.350 | 0.362 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:17:55 | 7240.897 | 7240.897 | 423470.730 | 107846.170 | 294053.340 | 420170.720 | 379398.550 | 674306.580 | 441104.970 |
| 2 | 07:19:03 | 7334.695 | 7334.695 | 421657.320 | 109239.510 | 294900.220 | 421580.090 | 381229.140 | 679700.250 | 446633.770 |
| 3 | 07:20:11 | 7444.127 | 7444.127 | 427473.270 | 109267.850 | 297819.220 | 425871.800 | 384772.260 | 681588.670 | 441000.250 |
| x | | 7339.906 | 7339.906 | 424200.440 | 108784.510 | 295590.930 | 422540.870 | 381799.990 | 678531.840 | 442913.000 |
| σ | | 101.715 | 101.715 | 2975.846 | 812.749 | 1975.669 | 2969.494 | 2731.954 | 3779.039 | 3222.710 |
| %RSD | | 1.386 | 1.386 | 0.702 | 0.747 | 0.668 | 0.703 | 0.716 | 0.557 | 0.728 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:17:55 | 480002.730 | 881992.830 | 2131703.100 | 712143.530 | 666110.170 | 1590519.100 | 430668.680 | 4181129.700 |
| 2 | 07:19:03 | 484953.280 | 894426.600 | 2150326.300 | 715589.150 | 677715.460 | 1599965.200 | 433636.140 | 4214632.300 |
| 3 | 07:20:11 | 478104.710 | 898977.470 | 2156874.600 | 731289.390 | 682820.460 | 1605027.700 | 430520.570 | 4220917.200 |
| x | | 481020.240 | 891798.960 | 2146301.300 | 719674.020 | 675548.690 | 1598504.000 | 431608.460 | 4205559.700 |
| σ | | 3535.851 | 8791.919 | 13059.527 | 10205.666 | 8563.271 | 7363.824 | 1757.581 | 21389.129 |
| %RSD | | 0.735 | 0.986 | 0.608 | 1.418 | 1.268 | 0.461 | 0.407 | 0.509 |

**CCB** 05/01/2011 07:24:40 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:25:48 | 14584.003 | 3.646 | 112.500 | 285.940 | 128883.460 | 1750.107 | 248.440 | 293.753 | 473.445 |
| 2 | 07:26:56 | 14544.901 | 9.375 | 120.313 | 214.064 | 131007.340 | 2744.014 | 365.630 | 432.819 | 676.579 |
| 3 | 07:28:04 | 14781.080 | 6.771 | 90.625 | 254.690 | 129466.820 | 2658.060 | 387.505 | 443.757 | 656.265 |
| x | | 14636.661 | 6.597 | 107.813 | 251.565 | 129785.870 | 2384.060 | 333.858 | 390.110 | 602.096 |
| σ | | 126.589 | 2.869 | 15.389 | 36.040 | 1097.295 | 550.699 | 74.779 | 83.626 | 111.877 |
| %RSD | | 0.865 | 43.481 | 14.274 | 14.326 | 0.845 | 23.099 | 22.398 | 21.437 | 18.581 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:25:48 | 537.510 | 873.464 | 15886.954 | 78779.118 | 99861.881 | 12.500 | 470.320 | 56900.593 | 17.188 |
| 2 | 07:26:56 | 562.511 | 907.841 | 16398.469 | 78845.105 | 100765.060 | 4.688 | 537.510 | 57079.430 | 35.938 |
| 3 | 07:28:04 | 534.385 | 929.718 | 16249.862 | 78779.118 | 100911.400 | 9.375 | 514.072 | 57785.384 | 18.750 |
| x | | 544.802 | 903.674 | 16178.428 | 78801.114 | 100512.780 | 8.854 | 507.301 | 57255.136 | 23.958 |
| σ | | 15.416 | 28.357 | 263.133 | 38.098 | 568.427 | 3.932 | 34.103 | 467.834 | 10.404 |
| %RSD | | 2.830 | 3.138 | 1.626 | 0.048 | 0.566 | 44.411 | 6.722 | 0.817 | 43.424 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:25:48 | 8210.171 | 296.878 | 2725.260 | 2844.033 | 256.252 | 34948.948 | 1015.661 | 26.563 | 42.188 |
| 2 | 07:26:56 | 8058.522 | 290.628 | 2611.176 | 2964.370 | 309.378 | 36729.970 | 1120.356 | 76.563 | 23.438 |
| 3 | 07:28:04 | 7695.822 | 334.379 | 2511.158 | 2800.274 | 285.940 | 35750.929 | 1095.355 | 78.125 | 29.688 |
| x | | 7988.172 | 307.295 | 2615.865 | 2869.559 | 283.857 | 35809.949 | 1077.124 | 60.417 | 31.771 |
| σ | | 264.293 | 23.663 | 107.128 | 84.974 | 26.624 | 891.977 | 54.677 | 29.329 | 9.547 |
| %RSD | | 3.309 | 7.700 | 4.095 | 2.961 | 9.379 | 2.491 | 5.076 | 48.545 | 30.050 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:25:48 | 78.125 | 39.063 | 59.375 | 89.584 | 32.813 | 32.813 | 151.042 | 21.354 | 18.229 |
| 2 | 07:26:56 | 126.563 | 67.188 | 92.188 | 88.021 | 29.688 | 29.688 | 150.001 | 20.833 | 22.396 |
| 3 | 07:28:04 | 135.938 | 46.875 | 81.250 | 79.167 | 12.500 | 12.500 | 164.063 | 24.479 | 21.875 |
| x | | 113.542 | 51.042 | 77.604 | 85.591 | 25.000 | 25.000 | 155.036 | 22.222 | 20.833 |
| σ | | 31.028 | 14.518 | 16.707 | 5.618 | 10.938 | 10.938 | 7.836 | 1.972 | 2.270 |
| %RSD | | 27.327 | 28.444 | 21.529 | 6.563 | 43.750 | 43.750 | 5.054 | 8.873 | 10.897 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:25:48 | 129.688 | 187.501 | 218.752 | 121.876 | 267.190 | 3.125 | 165089.050 | 114.063 | 71.875 |
| 2 | 07:26:56 | 89.063 | 146.876 | 151.563 | 81.250 | 220.314 | 4.688 | 165604.340 | 89.063 | 89.063 |
| 3 | 07:28:04 | 93.750 | 101.563 | 117.188 | 62.500 | 145.313 | 4.688 | 166076.960 | 104.688 | 92.188 |
| x | | 104.167 | 145.313 | 162.501 | 88.542 | 210.939 | 4.167 | 165590.120 | 102.605 | 84.375 |
| σ | | 22.226 | 42.990 | 51.658 | 30.352 | 61.477 | 0.902 | 494.111 | 12.630 | 10.938 |
| %RSD | | 21.337 | 29.585 | 31.789 | 34.280 | 29.144 | 21.651 | 0.298 | 12.309 | 12.963 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:25:48 | 0.000 | 0.000 | 54.688 | 10.938 | 235.939 | 437.507 | 29.688 | 51.563 | 448313.300 |
| 2 | 07:26:56 | 0.000 | 0.000 | 100.000 | 14.063 | 231.252 | 387.505 | 62.500 | 125.001 | 445173.620 |
| 3 | 07:28:04 | 1.563 | 1.563 | 98.438 | 20.313 | 187.501 | 292.190 | 75.000 | 110.938 | 449498.100 |
| x | | 0.521 | 0.521 | 84.375 | 15.104 | 218.231 | 372.401 | 55.729 | 95.834 | 447661.670 |
| σ | | 0.902 | 0.902 | 25.722 | 4.774 | 26.716 | 73.826 | 23.403 | 38.979 | 2234.672 |
| %RSD | | 173.205 | 173.205 | 30.485 | 31.604 | 12.242 | 19.824 | 41.994 | 40.674 | 0.499 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:25:48 | 485121.350 | 162.501 | 381.255 | 98.438 | 104.688 | 248.440 | 444643.420 | 532.822 |
| 2 | 07:26:56 | 486338.250 | 209.377 | 476.570 | 162.501 | 142.188 | 312.503 | 451245.670 | 714.080 |
| 3 | 07:28:04 | 485517.280 | 182.814 | 432.819 | 164.063 | 131.251 | 340.629 | 448213.360 | 707.830 |
| x | | 485658.960 | 184.897 | 430.215 | 141.667 | 126.042 | 300.524 | 448034.150 | 651.578 |
| σ | | 620.702 | 23.507 | 47.711 | 37.446 | 19.285 | 47.248 | 3304.772 | 102.892 |
| %RSD | | 0.128 | 12.714 | 11.090 | 26.432 | 15.300 | 15.722 | 0.738 | 15.791 |

**C1867-06 MF3T84** 05/01/2011 07:32:33 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:33:41 | 14103.834 | 11.979 | 9756.456 | 745.332 | 131082090.000 | 21275521.000 | 2880732.700 | 3440528.900 | 2114.290 |
| 2 | 07:34:49 | 14293.084 | 9.375 | 9936.267 | 853.150 | 131076170.000 | 21224325.000 | 2862765.900 | 3411112.400 | 2839.295 |
| 3 | 07:35:57 | 14194.548 | 6.771 | 9698.604 | 778.146 | 130291500.000 | 21130391.000 | 2843133.000 | 3392555.400 | 2538.300 |
| x | | 14197.155 | 9.375 | 9797.109 | 792.210 | 130816590.000 | 21210079.000 | 2862210.500 | 3414732.200 | 2497.295 |
| σ | | 94.652 | 2.604 | 123.937 | 55.268 | 454744.280 | 73606.614 | 18805.981 | 24190.709 | 364.237 |
| %RSD | | 0.667 | 27.778 | 1.265 | 6.976 | 0.348 | 0.347 | 0.657 | 0.708 | 14.585 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:33:41 | 1598653.200 | 1021.912 | 367789.880 | 672659.720 | 2387844.600 | 299679.390 | 5156233.100 | 60575.537 | 131.251 |
| 2 | 07:34:49 | 1594625.700 | 1026.599 | 362047.520 | 680450.350 | 2376091.400 | 297978.750 | 5141507.000 | 63385.125 | 140.626 |
| 3 | 07:35:57 | 1595949.500 | 1054.726 | 361129.410 | 681112.040 | 2370057.200 | 296933.890 | 5058523.200 | 61479.138 | 115.625 |
| x | | 1596409.500 | 1034.413 | 363655.610 | 678074.040 | 2377997.800 | 298197.340 | 5118754.400 | 61813.267 | 129.167 |
| σ | | 2052.786 | 17.748 | 3609.699 | 4700.592 | 9045.632 | 1385.746 | 52678.885 | 1434.287 | 12.630 |
| %RSD | | 0.129 | 1.716 | 0.993 | 0.693 | 0.380 | 0.465 | 1.029 | 2.320 | 9.778 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:33:41 | 86064.721 | 1173.486 | 19622.843 | 3684.850 | 1181.299 | 64021.260 | 20683.713 | 515.634 | 789.084 |
| 2 | 07:34:49 | 88495.127 | 1195.363 | 20639.899 | 3558.256 | 1112.543 | 62899.104 | 20342.598 | 545.323 | 753.145 |
| 3 | 07:35:57 | 90691.651 | 1223.490 | 21355.012 | 3553.567 | 1039.100 | 61681.311 | 20342.598 | 496.884 | 745.332 |
| x | | 88417.166 | 1197.446 | 20539.251 | 3598.891 | 1110.981 | 62867.225 | 20456.303 | 519.280 | 762.520 |
| σ | | 2314.450 | 25.067 | 870.460 | 74.480 | 71.112 | 1170.300 | 196.942 | 24.425 | 23.334 |
| %RSD | | 2.618 | 2.093 | 4.238 | 2.070 | 6.401 | 1.862 | 0.963 | 4.704 | 3.060 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:33:41 | 5332.245 | 2487.717 | 3297.256 | 1803.239 | 350.004 | 350.004 | 456.778 | 216.668 | 15.625 |
| 2 | 07:34:49 | 5204.073 | 2486.154 | 3534.812 | 1854.808 | 414.069 | 414.069 | 435.944 | 202.606 | 16.667 |
| 3 | 07:35:57 | 5288.479 | 2615.865 | 3322.261 | 1830.847 | 398.443 | 398.443 | 420.319 | 216.147 | 20.313 |
| x | | 5274.932 | 2529.912 | 3384.776 | 1829.631 | 387.505 | 387.505 | 437.680 | 211.807 | 17.535 |
| σ | | 65.151 | 74.441 | 130.535 | 25.806 | 33.403 | 33.403 | 18.292 | 7.973 | 2.461 |
| %RSD | | 1.235 | 2.942 | 3.857 | 1.410 | 8.620 | 8.620 | 4.179 | 3.764 | 14.037 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:33:41 | 2003.461 | 582.824 | 740.644 | 453.132 | 1021.912 | 1.563 | 142013.320 | 100.000 | 103.125 |
| 2 | 07:34:49 | 1628.784 | 598.450 | 664.078 | 385.943 | 967.220 | 4.688 | 145285.030 | 89.063 | 73.438 |
| 3 | 07:35:57 | 1285.919 | 601.575 | 618.763 | 457.820 | 954.719 | 4.688 | 145120.880 | 84.375 | 71.875 |
| x | | 1639.388 | 594.283 | 674.495 | 432.298 | 981.284 | 3.646 | 144139.740 | 91.146 | 82.813 |
| σ | | 358.888 | 10.046 | 61.605 | 40.213 | 35.736 | 1.804 | 1843.366 | 8.018 | 17.609 |
| %RSD | | 21.892 | 1.690 | 9.133 | 9.302 | 3.642 | 49.487 | 1.279 | 8.797 | 21.263 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:33:41 | 4.688 | 4.688 | 104.688 | 39.063 | 343.754 | 273.440 | 6807.872 | 12238.052 | 414040.900 |
| 2 | 07:34:49 | 3.125 | 3.125 | 95.313 | 34.375 | 270.315 | 198.439 | 6687.502 | 11936.234 | 426736.080 |
| 3 | 07:35:57 | 6.250 | 6.250 | 51.563 | 21.875 | 275.003 | 170.314 | 6851.643 | 11948.745 | 431515.550 |
| x | | 4.688 | 4.688 | 83.854 | 31.771 | 296.357 | 214.064 | 6782.339 | 12041.011 | 424097.510 |
| σ | | 1.563 | 1.563 | 28.356 | 8.885 | 41.114 | 53.309 | 84.997 | 170.758 | 9031.188 |
| %RSD | | 33.333 | 33.333 | 33.815 | 27.965 | 13.873 | 24.903 | 1.253 | 1.418 | 2.130 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:33:41 | 451693.880 | 501.571 | 1032.850 | 2207.983 | 1948.570 | 4530.406 | 388964.780 | 69600.385 |
| 2 | 07:34:49 | 466716.960 | 301.566 | 668.766 | 1947.008 | 1809.490 | 4464.760 | 404985.230 | 68333.353 |
| 3 | 07:35:57 | 470385.960 | 189.064 | 403.131 | 1976.699 | 1645.407 | 4130.284 | 405422.370 | 67703.804 |
| x | | 462932.270 | 330.734 | 701.582 | 2043.897 | 1801.156 | 4375.150 | 399790.790 | 68545.848 |
| σ | | 9904.106 | 158.282 | 316.140 | 142.876 | 151.753 | 214.585 | 9378.147 | 965.982 |
| %RSD | | 2.139 | 47.858 | 45.061 | 6.990 | 8.425 | 4.905 | 2.346 | 1.409 |

**C1867-07 MF3T91** 05/01/2011 07:40:27 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:41:35 | 15057.932 | 3.125 | 13614.297 | 567.199 | 141443050.000 | 18173748.000 | 2482036.800 | 2909461.100 | 826.586 |
| 2 | 07:42:43 | 15076.702 | 5.208 | 14169.524 | 568.761 | 141703520.000 | 18010090.000 | 2447405.300 | 2914025.000 | 648.452 |
| 3 | 07:43:51 | 14666.900 | 6.250 | 14393.185 | 575.012 | 144956600.000 | 18578408.000 | 2513475.300 | 2961358.700 | 1090.909 |
| x | | 14933.845 | 4.861 | 14059.002 | 570.324 | 142701060.000 | 18254082.000 | 2480972.500 | 2928281.600 | 855.316 |
| σ | | 231.371 | 1.591 | 401.034 | 4.134 | 1957696.200 | 292551.690 | 33047.857 | 28736.350 | 222.623 |
| %RSD | | 1.549 | 32.733 | 2.853 | 0.725 | 1.372 | 1.603 | 1.332 | 0.981 | 26.028 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:41:35 | 1418889.300 | 768.771 | 389263.380 | 628969.740 | 2202237.500 | 187150.720 | 3193416.100 | 61156.631 | 78.125 |
| 2 | 07:42:43 | 1441696.400 | 657.828 | 391992.750 | 643319.250 | 2218345.400 | 187245.710 | 3187308.900 | 60938.720 | 82.813 |
| 3 | 07:43:51 | 1461734.200 | 668.766 | 397017.760 | 658503.790 | 2234616.500 | 189990.970 | 3250158.700 | 59512.135 | 96.875 |
| x | | 1440773.300 | 698.455 | 392757.960 | 643597.590 | 2218399.800 | 188129.130 | 3210294.600 | 60535.829 | 85.938 |
| σ | | 21437.384 | 61.141 | 3933.419 | 14768.995 | 16189.603 | 1613.098 | 34658.154 | 893.215 | 9.758 |
| %RSD | | 1.488 | 8.754 | 1.001 | 2.295 | 0.730 | 0.857 | 1.080 | 1.476 | 11.355 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:41:35 | 102011.360 | 773.458 | 20851.143 | 2558.042 | 412.506 | 39709.801 | 12539.876 | 431.257 | 440.632 |
| 2 | 07:42:43 | 104071.450 | 817.211 | 21926.189 | 2595.548 | 368.755 | 39607.957 | 12492.960 | 425.006 | 482.821 |
| 3 | 07:43:51 | 107920.170 | 845.338 | 22433.225 | 2554.916 | 345.317 | 38996.904 | 12769.767 | 431.257 | 454.695 |
| x | | 104667.660 | 812.002 | 21736.852 | 2569.502 | 375.526 | 39438.221 | 12600.868 | 429.173 | 459.382 |
| σ | | 2999.180 | 36.222 | 807.856 | 22.611 | 34.103 | 385.569 | 148.140 | 3.609 | 21.482 |
| %RSD | | 2.865 | 4.461 | 3.717 | 0.880 | 9.081 | 0.978 | 1.176 | 0.841 | 4.676 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:41:35 | 1997.015 | 1017.224 | 692.204 | 2123.595 | 418.756 | 418.756 | 640.119 | 319.274 | 24.479 |
| 2 | 07:42:43 | 2020.455 | 1073.478 | 660.953 | 2103.801 | 443.757 | 443.757 | 652.619 | 321.879 | 22.396 |
| 3 | 07:43:51 | 1986.076 | 996.910 | 710.955 | 2213.192 | 521.885 | 521.885 | 644.285 | 295.836 | 16.146 |
| x | | 2001.182 | 1029.204 | 688.037 | 2146.863 | 461.466 | 461.466 | 645.674 | 312.330 | 21.007 |
| σ | | 17.565 | 39.665 | 25.260 | 58.289 | 53.797 | 53.797 | 6.365 | 14.343 | 4.337 |
| %RSD | | 0.878 | 3.854 | 3.671 | 2.715 | 11.658 | 11.658 | 0.986 | 4.592 | 20.645 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:41:35 | 748.647 | 510.947 | 601.575 | 357.817 | 896.903 | 0.000 | 145610.190 | 90.625 | 71.875 |
| 2 | 07:42:43 | 1042.026 | 570.324 | 573.449 | 378.130 | 939.093 | 3.125 | 145332.390 | 76.563 | 43.750 |
| 3 | 07:43:51 | 833.479 | 612.513 | 609.388 | 368.755 | 967.220 | 0.000 | 142546.720 | 85.938 | 32.813 |
| x | | 874.717 | 564.595 | 594.804 | 368.234 | 934.406 | 1.042 | 144496.430 | 84.375 | 49.479 |
| σ | | 150.974 | 51.025 | 18.902 | 10.167 | 35.392 | 1.804 | 1694.207 | 7.160 | 20.152 |
| %RSD | | 17.260 | 9.037 | 3.178 | 2.761 | 3.788 | 173.205 | 1.172 | 8.486 | 40.728 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:41:35 | 1.563 | 1.563 | 64.063 | 14.063 | 117.188 | 160.938 | 3705.168 | 6576.513 | 430671.900 |
| 2 | 07:42:43 | 1.563 | 1.563 | 39.063 | 9.375 | 101.563 | 107.813 | 3577.010 | 6570.261 | 435091.920 |
| 3 | 07:43:51 | 0.000 | 0.000 | 29.688 | 9.375 | 142.188 | 134.376 | 3813.009 | 6660.928 | 422941.330 |
| x | | 1.042 | 1.042 | 44.271 | 10.938 | 120.313 | 134.376 | 3698.396 | 6602.567 | 429568.380 |
| σ | | 0.902 | 0.902 | 17.770 | 2.706 | 20.492 | 26.563 | 118.145 | 50.638 | 6150.002 |
| %RSD | | 86.603 | 86.603 | 40.138 | 24.744 | 17.032 | 19.768 | 3.194 | 0.767 | 1.432 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:41:35 | 470082.460 | 187.501 | 432.819 | 854.713 | 785.959 | 1942.320 | 406981.390 | 99783.209 |
| 2 | 07:42:43 | 468734.550 | 85.938 | 248.440 | 867.214 | 795.335 | 1823.554 | 408961.760 | 100245.810 |
| 3 | 07:43:51 | 457457.370 | 51.563 | 187.501 | 881.277 | 754.707 | 1886.062 | 404646.130 | 103541.060 |
| x | | 465424.790 | 108.334 | 289.587 | 867.735 | 778.667 | 1883.979 | 406863.090 | 101190.020 |
| σ | | 6932.828 | 70.683 | 127.730 | 13.290 | 21.273 | 59.410 | 2160.246 | 2049.151 |
| %RSD | | 1.490 | 65.245 | 44.108 | 1.532 | 2.732 | 3.153 | 0.531 | 2.025 |

**C1867-08 MF3TC2** 05/01/2011 07:48:21 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:49:28 | 17075.824 | 4.688 | 10047.282 | 496.884 | 106006430.000 | 21117393.000 | 2859715.100 | 3410636.500 | 711.394 |
| 2 | 07:50:36 | 17147.785 | 3.646 | 10381.896 | 509.384 | 107948280.000 | 21287030.000 | 2882951.700 | 3442869.300 | 248.124 |
| 3 | 07:51:44 | 17427.812 | 4.167 | 10790.011 | 506.259 | 108384730.000 | 21700628.000 | 2934302.200 | 3463576.800 | 763.741 |
| x | | 17217.140 | 4.167 | 10406.396 | 504.176 | 107446480.000 | 21368351.000 | 2892323.000 | 3439027.500 | 574.420 |
| σ | | 185.961 | 0.521 | 371.970 | 6.505 | 1266071.100 | 300000.680 | 38166.396 | 26678.443 | 283.790 |
| %RSD | | 1.080 | 12.500 | 3.574 | 1.290 | 1.178 | 1.404 | 1.320 | 0.776 | 49.405 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:49:28 | 1343630.200 | 784.397 | 318142.570 | 695752.230 | 3276198.600 | 308374.310 | 5006728.800 | 63623.374 | 87.500 |
| 2 | 07:50:36 | 1355361.400 | 828.149 | 320503.850 | 714855.310 | 3302667.300 | 312681.290 | 5050031.500 | 63899.393 | 87.500 |
| 3 | 07:51:44 | 1357778.700 | 850.025 | 324716.140 | 722310.370 | 3336745.500 | 312175.270 | 5096704.200 | 63934.259 | 114.063 |
| x | | 1352256.800 | 820.857 | 321120.850 | 710972.630 | 3305203.800 | 311076.960 | 5051154.800 | 63819.008 | 96.354 |
| σ | | 7567.972 | 33.417 | 3329.937 | 13698.179 | 30353.037 | 2354.197 | 44998.232 | 170.319 | 15.336 |
| %RSD | | 0.560 | 4.071 | 1.037 | 1.927 | 0.918 | 0.757 | 0.891 | 0.267 | 15.916 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:49:28 | 92682.492 | 5415.089 | 23693.069 | 2809.651 | 520.322 | 46434.719 | 21437.948 | 867.214 | 651.577 |
| 2 | 07:50:36 | 96339.378 | 5357.254 | 24845.023 | 2995.627 | 578.137 | 46984.951 | 19826.248 | 770.333 | 660.953 |
| 3 | 07:51:44 | 98725.901 | 5426.030 | 25582.260 | 2820.591 | 507.822 | 46680.832 | 19921.693 | 862.526 | 632.827 |
| x | | 95915.924 | 5399.458 | 24706.784 | 2875.290 | 535.427 | 46700.167 | 20395.297 | 833.358 | 648.452 |
| σ | | 3043.876 | 36.956 | 952.152 | 104.358 | 37.512 | 275.625 | 904.223 | 54.631 | 14.321 |
| %RSD | | 3.173 | 0.684 | 3.854 | 3.629 | 7.006 | 0.590 | 4.433 | 6.556 | 2.209 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:49:28 | 664.078 | 390.630 | 481.258 | 1881.895 | 471.883 | 471.883 | 647.411 | 325.525 | 17.708 |
| 2 | 07:50:36 | 685.954 | 384.380 | 473.445 | 1905.856 | 501.571 | 501.571 | 605.221 | 322.399 | 23.438 |
| 3 | 07:51:44 | 714.080 | 379.693 | 467.195 | 1966.802 | 490.633 | 490.633 | 675.537 | 335.421 | 18.229 |
| x | | 688.037 | 384.901 | 473.966 | 1918.184 | 488.029 | 488.029 | 642.723 | 327.782 | 19.792 |
| σ | | 25.066 | 5.487 | 7.046 | 43.776 | 15.015 | 15.015 | 35.391 | 6.798 | 3.168 |
| %RSD | | 3.643 | 1.426 | 1.487 | 2.282 | 3.077 | 3.077 | 5.506 | 2.074 | 16.007 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:49:28 | 320.950 | 301.566 | 320.316 | 198.439 | 432.819 | 3.125 | 150338.480 | 84.375 | 67.188 |
| 2 | 07:50:36 | -216.323 | 304.691 | 320.316 | 171.876 | 475.008 | 1.563 | 154109.590 | 98.438 | 60.938 |
| 3 | 07:51:44 | -113.817 | 312.503 | 296.878 | 220.314 | 418.756 | 4.688 | 153359.400 | 110.938 | 50.000 |
| x | | -3.063 | 306.253 | 312.503 | 196.876 | 442.194 | 3.125 | 152602.490 | 97.917 | 59.375 |
| σ | | 285.246 | 5.634 | 13.532 | 24.257 | 29.274 | 1.563 | 1996.249 | 13.289 | 8.700 |
| %RSD | | 9311.426 | 1.840 | 4.330 | 12.321 | 6.620 | 50.000 | 1.308 | 13.572 | 14.652 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:49:28 | 0.000 | 0.000 | 79.688 | 4.688 | 62.500 | 112.500 | 5207.199 | 9026.288 | 441077.580 |
| 2 | 07:50:36 | 1.563 | 1.563 | 54.688 | 9.375 | 92.188 | 90.625 | 5038.388 | 9146.677 | 448074.730 |
| 3 | 07:51:44 | 3.125 | 3.125 | 35.938 | 7.813 | 90.625 | 96.875 | 5208.762 | 9490.651 | 441854.160 |
| x | | 1.563 | 1.563 | 56.771 | 7.292 | 81.771 | 100.000 | 5151.450 | 9221.206 | 443668.830 |
| σ | | 1.563 | 1.563 | 21.949 | 2.387 | 16.707 | 11.267 | 97.917 | 240.986 | 3835.333 |
| %RSD | | 100.000 | 100.000 | 38.663 | 32.733 | 20.432 | 11.267 | 1.901 | 2.613 | 0.864 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:49:28 | 479379.180 | 82.813 | 190.626 | 371.880 | 323.441 | 779.709 | 413963.710 | 113525.860 |
| 2 | 07:50:36 | 488476.570 | 71.875 | 151.563 | 340.629 | 289.065 | 673.453 | 420870.560 | 114437.780 |
| 3 | 07:51:44 | 482632.900 | 68.750 | 114.063 | 315.628 | 328.129 | 717.206 | 413984.620 | 117315.670 |
| x | | 483496.220 | 74.479 | 152.084 | 342.712 | 313.545 | 723.456 | 416272.960 | 115093.100 |
| σ | | 4609.731 | 7.384 | 38.284 | 28.183 | 21.329 | 53.403 | 3981.650 | 1978.068 |
| %RSD | | 0.953 | 9.914 | 25.173 | 8.224 | 6.803 | 7.382 | 0.956 | 1.719 |

**C1867-09 MF3T58** 05/01/2011 07:56:15 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:57:23 | 16357.797 | 4.167 | 9933.140 | 500.009 | 107283880.000 | 18607841.000 | 2487076.800 | 2963504.100 | 674.751 |
| 2 | 07:58:31 | 16518.920 | 4.688 | 10000.374 | 517.197 | 104582200.000 | 18216134.000 | 2456113.500 | 2913962.500 | 876.589 |
| 3 | 07:59:39 | 16288.969 | 3.646 | 10091.063 | 484.383 | 107850570.000 | 18617710.000 | 2540083.100 | 3011610.100 | 598.848 |
| x | | 16388.562 | 4.167 | 10008.192 | 500.530 | 106572220.000 | 18480562.000 | 2494424.500 | 2963025.600 | 716.730 |
| σ | | 118.022 | 0.521 | 79.251 | 16.413 | 1746542.300 | 229054.010 | 42464.259 | 48825.559 | 143.550 |
| %RSD | | 0.720 | 12.500 | 0.792 | 3.279 | 1.639 | 1.239 | 1.702 | 1.648 | 20.029 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:57:23 | 1334801.000 | 803.148 | 335354.590 | 671752.890 | 3356156.000 | 275180.630 | 4480585.000 | 63852.906 | 103.125 |
| 2 | 07:58:31 | 1326630.600 | 685.954 | 336287.070 | 678671.800 | 3328497.400 | 271879.950 | 4435253.300 | 62644.231 | 89.063 |
| 3 | 07:59:39 | 1364120.400 | 720.331 | 343398.590 | 690142.850 | 3400018.300 | 279050.590 | 4526581.400 | 62786.599 | 93.750 |
| x | | 1341850.700 | 736.477 | 338346.750 | 680189.180 | 3361557.200 | 275370.390 | 4480806.600 | 63094.578 | 95.313 |
| σ | | 19714.068 | 60.242 | 4399.792 | 9288.406 | 36065.068 | 3589.084 | 45664.450 | 660.577 | 7.160 |
| %RSD | | 1.469 | 8.180 | 1.300 | 1.366 | 1.073 | 1.303 | 1.019 | 1.047 | 7.512 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:57:23 | 105365.260 | 12882.368 | 24697.894 | 3151.910 | 700.017 | 43632.155 | 18724.764 | 770.333 | 642.202 |
| 2 | 07:58:31 | 108809.690 | 13242.072 | 25926.630 | 3020.632 | 746.895 | 44107.048 | 18857.751 | 743.769 | 676.579 |
| 3 | 07:59:39 | 110499.140 | 13226.433 | 26557.475 | 3025.320 | 767.208 | 44210.492 | 18297.648 | 790.647 | 698.455 |
| x | | 108224.700 | 13116.958 | 25727.333 | 3065.954 | 738.040 | 43983.232 | 18626.721 | 768.250 | 672.412 |
| σ | | 2616.457 | 203.311 | 945.675 | 74.477 | 34.460 | 308.409 | 292.640 | 23.508 | 28.357 |
| %RSD | | 2.418 | 1.550 | 3.676 | 2.429 | 4.669 | 0.701 | 1.571 | 3.060 | 4.217 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:57:23 | 2303.311 | 1087.541 | 3178.479 | 2016.809 | 460.945 | 460.945 | 601.054 | 298.961 | 14.583 |
| 2 | 07:58:31 | 2228.299 | 1126.607 | 3255.058 | 2070.463 | 476.570 | 476.570 | 608.346 | 294.274 | 15.625 |
| 3 | 07:59:39 | 2186.105 | 1128.170 | 3200.358 | 2039.208 | 465.633 | 465.633 | 591.679 | 289.586 | 20.313 |
| x | | 2239.238 | 1114.106 | 3211.298 | 2042.160 | 467.716 | 467.716 | 600.360 | 294.274 | 16.840 |
| σ | | 59.364 | 23.019 | 39.445 | 26.948 | 8.018 | 8.018 | 8.355 | 4.688 | 3.052 |
| %RSD | | 2.651 | 2.066 | 1.228 | 1.320 | 1.714 | 1.714 | 1.392 | 1.593 | 18.122 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:57:23 | 221.978 | 396.881 | 410.943 | 235.939 | 556.261 | 1.563 | 149176.390 | 87.500 | 45.313 |
| 2 | 07:58:31 | 94.730 | 370.317 | 403.131 | 257.815 | 620.326 | 0.000 | 149921.630 | 90.625 | 43.750 |
| 3 | 07:59:39 | 253.791 | 351.567 | 365.630 | 279.690 | 590.637 | 1.563 | 147790.220 | 78.125 | 28.125 |
| x | | 190.166 | 372.922 | 393.235 | 257.815 | 589.075 | 1.042 | 148962.750 | 85.417 | 39.063 |
| σ | | 84.167 | 22.769 | 24.224 | 21.875 | 32.061 | 0.902 | 1081.648 | 6.505 | 9.504 |
| %RSD | | 44.260 | 6.106 | 6.160 | 8.485 | 5.443 | 86.603 | 0.726 | 7.616 | 24.331 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:57:23 | 1.563 | 1.563 | 31.250 | 3.125 | 110.938 | 96.875 | 3719.234 | 6304.516 | 433570.120 |
| 2 | 07:58:31 | 3.125 | 3.125 | 31.250 | 10.938 | 110.938 | 89.063 | 3711.420 | 6434.261 | 438364.720 |
| 3 | 07:59:39 | 0.000 | 0.000 | 28.125 | 1.563 | 110.938 | 81.250 | 3631.712 | 6431.135 | 431481.730 |
| x | | 1.563 | 1.563 | 30.208 | 5.208 | 110.938 | 89.063 | 3687.455 | 6389.971 | 434472.190 |
| σ | | 1.563 | 1.563 | 1.804 | 5.023 | 0.000 | 7.813 | 48.433 | 74.022 | 3529.047 |
| %RSD | | 100.000 | 100.000 | 5.973 | 96.437 | 0.000 | 8.772 | 1.313 | 1.158 | 0.812 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 07:57:23 | 472483.180 | 28.125 | 92.188 | 1440.698 | 1275.057 | 2990.938 | 410000.270 | 122624.030 |
| 2 | 07:58:31 | 472938.510 | 53.125 | 93.750 | 1404.757 | 1270.369 | 2906.546 | 413407.320 | 122225.330 |
| 3 | 07:59:39 | 466423.220 | 32.813 | 92.188 | 1459.450 | 1253.180 | 2869.038 | 406753.150 | 124036.150 |
| x | | 470614.970 | 38.021 | 92.709 | 1434.968 | 1266.202 | 2922.174 | 410053.580 | 122961.840 |
| σ | | 3637.294 | 13.289 | 0.902 | 27.793 | 11.518 | 62.435 | 3327.402 | 951.499 |
| %RSD | | 0.773 | 34.952 | 0.973 | 1.937 | 0.910 | 2.137 | 0.811 | 0.774 |

**C1867-10 MF3T87** 05/01/2011 08:04:10 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:05:18 | 14560.542 | 3.125 | 8915.281 | 478.133 | 93287307.000 | 11375344.000 | 1537199.100 | 1818790.700 | 1854.808 |
| 2 | 08:06:26 | 14812.363 | 5.729 | 8960.622 | 565.636 | 92957634.000 | 11344851.000 | 1544809.400 | 1833408.000 | 2023.581 |
| 3 | 08:07:34 | 14924.980 | 3.646 | 9360.878 | 557.823 | 93035712.000 | 11307202.000 | 1540270.600 | 1833548.400 | 2012.642 |
| x | | 14765.961 | 4.167 | 9078.927 | 533.864 | 93093551.000 | 11342466.000 | 1540759.700 | 1828582.400 | 1963.677 |
| σ | | 186.598 | 1.378 | 245.227 | 48.422 | 172279.060 | 34133.891 | 3828.676 | 8480.092 | 94.442 |
| %RSD | | 1.264 | 33.072 | 2.701 | 9.070 | 0.185 | 0.301 | 0.248 | 0.464 | 4.809 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:05:18 | 1259847.000 | 917.217 | 248268.410 | 607217.660 | 2414138.900 | 160611.880 | 2788755.000 | 56199.388 | 101.563 |
| 2 | 08:06:26 | 1269647.800 | 925.030 | 249926.630 | 615054.980 | 2406726.300 | 161109.630 | 2728177.000 | 56495.867 | 92.188 |
| 3 | 08:07:34 | 1268543.400 | 910.967 | 247481.490 | 619839.640 | 2376566.800 | 160201.060 | 2718679.400 | 57110.805 | 90.625 |
| x | | 1266012.700 | 917.738 | 248558.840 | 614037.420 | 2399144.000 | 160640.860 | 2745203.800 | 56602.020 | 94.792 |
| σ | | 5368.145 | 7.046 | 1248.178 | 6372.216 | 19900.608 | 454.977 | 38014.248 | 464.888 | 5.916 |
| %RSD | | 0.424 | 0.768 | 0.502 | 1.038 | 0.829 | 0.283 | 1.385 | 0.821 | 6.241 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:05:18 | 93259.667 | 2436.145 | 23655.507 | 7609.839 | 2142.348 | 121762.020 | 13507.946 | 1131.295 | 775.021 |
| 2 | 08:06:26 | 96329.940 | 2439.271 | 24690.068 | 7491.026 | 2147.036 | 123429.360 | 14106.962 | 1168.798 | 739.082 |
| 3 | 08:07:34 | 98228.741 | 2347.068 | 25214.420 | 7344.075 | 2154.850 | 124316.690 | 13532.969 | 1060.977 | 839.087 |
| x | | 95939.450 | 2407.495 | 24519.998 | 7481.647 | 2148.078 | 123169.360 | 13715.959 | 1120.357 | 784.397 |
| σ | | 2507.446 | 52.354 | 793.250 | 133.130 | 6.316 | 1297.032 | 338.849 | 54.736 | 50.658 |
| %RSD | | 2.614 | 2.175 | 3.235 | 1.779 | 0.294 | 1.053 | 2.470 | 4.886 | 6.458 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:05:18 | 9290.520 | 4602.304 | 5338.497 | 1697.497 | 395.318 | 395.318 | 445.840 | 186.460 | 22.396 |
| 2 | 08:06:26 | 9143.550 | 4556.977 | 5310.362 | 1694.371 | 398.443 | 398.443 | 431.777 | 193.230 | 21.354 |
| 3 | 08:07:34 | 9418.729 | 4527.280 | 5463.545 | 1714.686 | 371.880 | 371.880 | 442.194 | 182.814 | 18.750 |
| x | | 9284.266 | 4562.187 | 5370.801 | 1702.185 | 388.547 | 388.547 | 439.937 | 187.501 | 20.833 |
| σ | | 137.696 | 37.782 | 81.541 | 10.939 | 14.518 | 14.518 | 7.298 | 5.286 | 1.878 |
| %RSD | | 1.483 | 0.828 | 1.518 | 0.643 | 3.737 | 3.737 | 1.659 | 2.819 | 9.014 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:05:18 | 990.659 | 506.259 | 650.015 | 334.379 | 912.529 | 1.563 | 150210.580 | 84.375 | 25.000 |
| 2 | 08:06:26 | 1184.424 | 568.761 | 660.953 | 348.442 | 921.905 | 3.125 | 151683.840 | 100.000 | 20.313 |
| 3 | 08:07:34 | 1100.042 | 485.946 | 715.643 | 381.255 | 931.280 | 3.125 | 154622.910 | 106.250 | 20.313 |
| x | | 1091.709 | 520.322 | 675.537 | 354.692 | 921.905 | 2.604 | 152172.440 | 96.875 | 21.875 |
| σ | | 97.151 | 43.162 | 35.161 | 24.055 | 9.376 | 0.902 | 2246.377 | 11.267 | 2.706 |
| %RSD | | 8.899 | 8.295 | 5.205 | 6.782 | 1.017 | 34.641 | 1.476 | 11.631 | 12.372 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:05:18 | 6.250 | 6.250 | 28.125 | 4.688 | 62.500 | 106.250 | 6992.336 | 12499.216 | 430388.550 |
| 2 | 08:06:26 | 1.563 | 1.563 | 21.875 | 6.250 | 73.438 | 87.500 | 6892.287 | 12489.832 | 438250.350 |
| 3 | 08:07:34 | 12.500 | 12.500 | 21.875 | 4.688 | 71.875 | 71.875 | 7123.651 | 12416.331 | 442886.980 |
| x | | 6.771 | 6.771 | 23.958 | 5.208 | 69.271 | 88.542 | 7002.758 | 12468.460 | 437175.290 |
| σ | | 5.487 | 5.487 | 3.608 | 0.902 | 5.916 | 17.211 | 116.033 | 45.388 | 6318.187 |
| %RSD | | 81.044 | 81.044 | 15.061 | 17.321 | 8.540 | 19.439 | 1.657 | 0.364 | 1.445 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:05:18 | 466129.480 | 35.938 | 98.438 | 1911.065 | 1736.043 | 4099.026 | 413169.330 | 79492.428 |
| 2 | 08:06:26 | 479637.640 | 35.938 | 107.813 | 1995.452 | 1609.466 | 4169.358 | 418003.830 | 80053.360 |
| 3 | 08:07:34 | 481825.060 | 37.500 | 120.313 | 1846.994 | 1604.778 | 4028.693 | 421642.840 | 78760.264 |
| x | | 475864.060 | 36.458 | 108.855 | 1917.837 | 1650.095 | 4099.026 | 417605.330 | 79435.351 |
| σ | | 8501.041 | 0.902 | 10.975 | 74.460 | 74.470 | 70.333 | 4250.788 | 648.434 |
| %RSD | | 1.786 | 2.474 | 10.082 | 3.883 | 4.513 | 1.716 | 1.018 | 0.816 |

**C1867-06X25 MF3T84** 05/01/2011 08:12:05 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:13:13 | 16398.469 | 3.125 | 739.082 | 326.566 | 6614943.900 | 1063830.100 | 142164.810 | 168522.540 | 585.950 |
| 2 | 08:14:21 | 16309.304 | 1.563 | 664.078 | 312.503 | 6603354.100 | 1062462.400 | 140470.050 | 170505.240 | 531.260 |
| 3 | 08:15:29 | 16174.777 | 3.125 | 809.398 | 318.754 | 6655838.600 | 1074843.800 | 142254.770 | 171978.990 | 578.137 |
| x | | 16294.183 | 2.604 | 737.519 | 319.274 | 6624712.200 | 1067045.400 | 141629.880 | 170335.590 | 565.115 |
| σ | | 112.610 | 0.902 | 72.673 | 7.046 | 27572.098 | 6788.113 | 1005.447 | 1734.460 | 29.579 |
| %RSD | | 0.691 | 34.641 | 9.854 | 2.207 | 0.416 | 0.636 | 0.710 | 1.018 | 5.234 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:13:13 | 77864.750 | 968.783 | 32912.870 | 120584.910 | 216634.900 | 14435.415 | 241211.540 | 63165.902 | 14.063 |
| 2 | 08:14:21 | 75668.622 | 910.967 | 32731.204 | 120701.510 | 215508.680 | 14533.952 | 240714.200 | 63575.526 | 15.625 |
| 3 | 08:15:29 | 76149.291 | 950.032 | 33003.705 | 118700.480 | 216474.690 | 14660.644 | 241508.690 | 62207.021 | 17.188 |
| x | | 76560.888 | 943.260 | 32882.593 | 119995.630 | 216206.090 | 14543.337 | 241144.810 | 62982.816 | 15.625 |
| σ | | 1154.472 | 29.497 | 138.751 | 1123.153 | 609.262 | 112.908 | 401.428 | 702.383 | 1.563 |
| %RSD | | 1.508 | 3.127 | 0.422 | 0.936 | 0.282 | 0.776 | 0.166 | 1.115 | 10.000 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:13:13 | 20736.915 | 440.632 | 6521.801 | 3065.954 | 253.127 | 40543.388 | 2120.470 | 17.188 | 84.375 |
| 2 | 08:14:21 | 20087.550 | 412.506 | 6323.274 | 3108.151 | 256.252 | 41043.250 | 2061.086 | 25.000 | 70.313 |
| 3 | 08:15:29 | 19522.706 | 423.444 | 5974.687 | 3111.276 | 251.565 | 40844.243 | 2104.843 | 17.188 | 67.188 |
| x | | 20115.724 | 425.527 | 6273.254 | 3095.127 | 253.648 | 40810.293 | 2095.466 | 19.792 | 73.959 |
| σ | | 607.595 | 14.178 | 276.966 | 25.313 | 2.387 | 251.654 | 30.782 | 4.511 | 9.155 |
| %RSD | | 3.020 | 3.332 | 4.415 | 0.818 | 0.941 | 0.617 | 1.469 | 22.790 | 12.379 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:13:13 | 328.129 | 121.876 | 281.253 | 252.606 | 68.750 | 68.750 | 156.772 | 35.417 | 23.958 |
| 2 | 08:14:21 | 354.692 | 129.688 | 273.440 | 224.481 | 70.313 | 70.313 | 176.043 | 30.208 | 23.438 |
| 3 | 08:15:29 | 331.254 | 164.063 | 239.065 | 225.523 | 68.750 | 68.750 | 171.876 | 23.958 | 26.042 |
| x | | 338.025 | 138.542 | 264.586 | 234.203 | 69.271 | 69.271 | 168.230 | 29.861 | 24.479 |
| σ | | 14.518 | 22.444 | 22.445 | 15.946 | 0.902 | 0.902 | 10.140 | 5.737 | 1.378 |
| %RSD | | 4.295 | 16.200 | 8.483 | 6.809 | 1.302 | 1.302 | 6.027 | 19.212 | 5.629 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:13:13 | 43.750 | 23.438 | 45.313 | 28.125 | 68.750 | 1.563 | 178222.000 | 117.188 | 0.000 |
| 2 | 08:14:21 | 26.563 | 25.000 | 34.375 | 31.250 | 64.063 | 6.250 | 178793.140 | 114.063 | 3.125 |
| 3 | 08:15:29 | 21.875 | 29.688 | 35.938 | 18.750 | 50.000 | 0.000 | 176796.640 | 96.875 | 9.375 |
| x | | 30.729 | 26.042 | 38.542 | 26.042 | 60.938 | 2.604 | 177937.260 | 109.375 | 4.167 |
| σ | | 11.517 | 3.253 | 5.916 | 6.505 | 9.758 | 3.253 | 1028.253 | 10.938 | 4.774 |
| %RSD | | 37.480 | 12.490 | 15.348 | 24.980 | 16.013 | 124.900 | 0.578 | 10.000 | 114.564 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:13:13 | 0.000 | 0.000 | 1.563 | 0.000 | 67.188 | 25.000 | 310.941 | 553.136 | 475425.290 |
| 2 | 08:14:21 | 0.000 | 0.000 | 0.000 | 3.125 | 70.313 | 23.438 | 343.754 | 550.011 | 475003.800 |
| 3 | 08:15:29 | 0.000 | 0.000 | 4.688 | 0.000 | 51.563 | 20.313 | 351.567 | 514.072 | 475686.910 |
| x | | 0.000 | 0.000 | 2.083 | 1.042 | 63.021 | 22.917 | 335.421 | 539.073 | 475372.000 |
| σ | | 0.000 | 0.000 | 2.387 | 1.804 | 10.046 | 2.387 | 21.557 | 21.708 | 344.660 |
| %RSD | | 0.000 | 0.000 | 114.564 | 173.205 | 15.940 | 10.415 | 6.427 | 4.027 | 0.073 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:13:13 | 516355.200 | 17.188 | 42.188 | 126.563 | 115.625 | 262.502 | 465007.870 | 2983.124 |
| 2 | 08:14:21 | 515566.530 | 34.375 | 50.000 | 134.376 | 112.500 | 314.066 | 462868.160 | 2950.305 |
| 3 | 08:15:29 | 513689.770 | 26.563 | 51.563 | 115.625 | 123.438 | 287.503 | 463458.730 | 2972.184 |
| x | | 515203.840 | 26.042 | 47.917 | 125.521 | 117.188 | 288.024 | 463778.250 | 2968.538 |
| σ | | 1369.231 | 8.606 | 5.023 | 9.418 | 5.634 | 25.786 | 1105.060 | 16.711 |
| %RSD | | 0.266 | 33.045 | 10.482 | 7.503 | 4.807 | 8.953 | 0.238 | 0.563 |

**C1867-07X25 MF3T91** 05/01/2011 08:20:00 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:21:08 | 16863.072 | 2.604 | 832.837 | 328.129 | 7135578.400 | 912933.530 | 119943.610 | 144666.300 | 589.075 |
| 2 | 08:22:16 | 16834.914 | 1.563 | 831.274 | 307.816 | 7127919.000 | 910382.830 | 120687.330 | 146052.170 | 532.822 |
| 3 | 08:23:24 | 16967.883 | 2.083 | 975.033 | 323.441 | 7291839.100 | 928337.790 | 122865.150 | 146336.310 | 551.573 |
| x | | 16888.623 | 2.083 | 879.715 | 319.795 | 7185112.200 | 917218.050 | 121165.370 | 145684.930 | 557.823 |
| σ | | 70.071 | 0.521 | 82.552 | 10.636 | 92507.560 | 9714.060 | 1518.303 | 893.522 | 28.642 |
| %RSD | | 0.415 | 25.000 | 9.384 | 3.326 | 1.287 | 1.059 | 1.253 | 0.613 | 5.135 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:21:08 | 68611.243 | 832.837 | 34746.893 | 110862.880 | 204668.190 | 9123.225 | 151071.150 | 63701.083 | 10.938 |
| 2 | 08:22:16 | 69980.360 | 937.531 | 34345.925 | 111158.920 | 204886.920 | 9177.947 | 152309.190 | 64325.748 | 20.313 |
| 3 | 08:23:24 | 70567.613 | 914.092 | 34510.384 | 110796.750 | 204168.930 | 9037.233 | 154278.590 | 63250.651 | 17.188 |
| x | | 69719.739 | 894.820 | 34534.401 | 110939.520 | 204574.680 | 9112.801 | 152552.980 | 63759.161 | 16.146 |
| σ | | 1003.887 | 54.943 | 201.560 | 192.865 | 368.012 | 70.934 | 1617.559 | 539.896 | 4.774 |
| %RSD | | 1.440 | 6.140 | 0.584 | 0.174 | 0.180 | 0.778 | 1.060 | 0.847 | 29.565 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:21:08 | 17121.191 | 378.130 | 4989.934 | 2979.998 | 262.502 | 40505.781 | 1843.869 | 34.375 | 56.250 |
| 2 | 08:22:16 | 17105.547 | 370.317 | 5122.793 | 2967.496 | 260.940 | 40035.709 | 1711.040 | 20.313 | 54.688 |
| 3 | 08:23:24 | 16581.493 | 423.444 | 5075.902 | 3105.025 | 226.564 | 40419.600 | 1721.979 | 32.813 | 51.563 |
| x | | 16936.077 | 390.630 | 5062.876 | 3017.506 | 250.002 | 40320.364 | 1758.963 | 29.167 | 54.167 |
| σ | | 307.179 | 28.684 | 67.381 | 76.051 | 20.313 | 250.256 | 73.734 | 7.708 | 2.387 |
| %RSD | | 1.814 | 7.343 | 1.331 | 2.520 | 8.125 | 0.621 | 4.192 | 26.426 | 4.406 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:21:08 | 132.813 | 85.938 | 79.688 | 193.230 | 65.625 | 65.625 | 172.918 | 36.979 | 17.708 |
| 2 | 08:22:16 | 165.626 | 64.063 | 112.500 | 217.189 | 51.563 | 51.563 | 206.772 | 37.500 | 18.750 |
| 3 | 08:23:24 | 154.688 | 75.000 | 85.938 | 222.398 | 50.000 | 50.000 | 175.001 | 33.333 | 16.667 |
| x | | 151.042 | 75.000 | 92.709 | 210.939 | 55.729 | 55.729 | 184.897 | 35.938 | 17.708 |
| σ | | 16.707 | 10.938 | 17.423 | 15.556 | 8.606 | 8.606 | 18.973 | 2.270 | 1.042 |
| %RSD | | 11.061 | 14.583 | 18.793 | 7.374 | 15.442 | 15.442 | 10.261 | 6.317 | 5.882 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:21:08 | 23.438 | 39.063 | 42.188 | 26.563 | 56.250 | 0.000 | 178937.110 | 139.063 | 9.375 |
| 2 | 08:22:16 | 32.813 | 32.813 | 35.938 | 20.313 | 40.625 | 3.125 | 181386.460 | 125.001 | 6.250 |
| 3 | 08:23:24 | 21.875 | 21.875 | 48.438 | 29.688 | 42.188 | 0.000 | 177655.640 | 117.188 | 4.688 |
| x | | 26.042 | 31.250 | 42.188 | 25.521 | 46.354 | 1.042 | 179326.400 | 127.084 | 6.771 |
| σ | | 5.916 | 8.700 | 6.250 | 4.774 | 8.606 | 1.804 | 1895.631 | 11.085 | 2.387 |
| %RSD | | 22.716 | 27.839 | 14.815 | 18.704 | 18.565 | 173.205 | 1.057 | 8.723 | 35.251 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:21:08 | 0.000 | 0.000 | 12.500 | 0.000 | 64.063 | 18.750 | 168.751 | 298.441 | 481448.620 |
| 2 | 08:22:16 | 0.000 | 0.000 | 4.688 | 1.563 | 50.000 | 23.438 | 179.689 | 292.190 | 479713.570 |
| 3 | 08:23:24 | 1.563 | 1.563 | 6.250 | 1.563 | 64.063 | 20.313 | 203.126 | 304.691 | 472486.410 |
| x | | 0.521 | 0.521 | 7.813 | 1.042 | 59.375 | 20.833 | 183.855 | 298.441 | 477882.860 |
| σ | | 0.902 | 0.902 | 4.134 | 0.902 | 8.119 | 2.387 | 17.562 | 6.250 | 4753.305 |
| %RSD | | 173.205 | 173.205 | 52.915 | 86.603 | 13.674 | 11.456 | 9.552 | 2.094 | 0.995 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:21:08 | 519584.820 | 39.063 | 48.438 | 60.938 | 70.313 | 181.251 | 468059.840 | 4316.277 |
| 2 | 08:22:16 | 518114.070 | 21.875 | 59.375 | 62.500 | 70.313 | 167.188 | 469791.880 | 4067.767 |
| 3 | 08:23:24 | 508538.420 | 25.000 | 50.000 | 59.375 | 78.125 | 168.751 | 468660.300 | 4350.662 |
| x | | 515412.440 | 28.646 | 52.604 | 60.938 | 72.917 | 172.397 | 468837.340 | 4244.902 |
| σ | | 5998.319 | 9.155 | 5.916 | 1.563 | 4.511 | 7.708 | 879.491 | 154.364 |
| %RSD | | 1.164 | 31.961 | 11.245 | 2.564 | 6.186 | 4.471 | 0.188 | 3.636 |

**C1867-08X25 MF3TC2** 05/01/2011 08:27:55 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:29:04 | 17326.125 | 2.604 | 634.389 | 300.003 | 5084667.300 | 1003224.100 | 132475.470 | 157918.040 | 456.257 |
| 2 | 08:30:12 | 16960.062 | 2.083 | 620.326 | 284.378 | 5192254.100 | 1015333.500 | 133803.380 | 159616.440 | 464.070 |
| 3 | 08:31:20 | 17094.597 | 3.125 | 587.512 | 287.503 | 5196434.300 | 1015320.700 | 133759.220 | 162087.790 | 465.633 |
| x | | 17126.928 | 2.604 | 614.076 | 290.628 | 5157785.200 | 1011292.800 | 133346.030 | 159874.090 | 461.987 |
| σ | | 185.161 | 0.521 | 24.055 | 8.268 | 63356.465 | 6987.662 | 754.247 | 2096.781 | 5.023 |
| %RSD | | 1.081 | 20.000 | 3.917 | 2.845 | 1.228 | 0.691 | 0.566 | 1.312 | 1.087 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:29:04 | 61836.668 | 873.464 | 30416.722 | 108412.940 | 247438.570 | 13389.084 | 219780.850 | 64366.556 | 14.063 |
| 2 | 08:30:12 | 64021.260 | 995.347 | 30715.798 | 110563.700 | 247723.120 | 13554.865 | 224106.650 | 64288.079 | 18.750 |
| 3 | 08:31:20 | 64322.609 | 921.905 | 30740.852 | 110755.810 | 249120.550 | 13731.596 | 227505.050 | 64859.402 | 18.750 |
| x | | 63393.512 | 930.239 | 30624.457 | 109910.820 | 248094.080 | 13558.515 | 223797.520 | 64504.679 | 17.188 |
| σ | | 1356.660 | 61.367 | 180.340 | 1300.752 | 900.262 | 171.285 | 3871.370 | 309.695 | 2.706 |
| %RSD | | 2.140 | 6.597 | 0.589 | 1.183 | 0.363 | 1.263 | 1.730 | 0.480 | 15.746 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:29:04 | 14307.161 | 609.388 | 4571.044 | 3031.572 | 178.126 | 40743.957 | 2303.311 | 32.813 | 45.313 |
| 2 | 08:30:12 | 14413.518 | 576.574 | 4331.907 | 3078.457 | 179.689 | 41362.920 | 2123.595 | 64.063 | 64.063 |
| 3 | 08:31:20 | 13920.842 | 548.448 | 4505.398 | 2992.501 | 187.501 | 41439.704 | 2207.983 | 59.375 | 56.250 |
| x | | 14213.840 | 578.137 | 4469.449 | 3034.176 | 181.772 | 41182.194 | 2211.630 | 52.083 | 55.208 |
| σ | | 259.256 | 30.500 | 123.555 | 43.037 | 5.023 | 381.461 | 89.913 | 16.853 | 9.418 |
| %RSD | | 1.824 | 5.276 | 2.764 | 1.418 | 2.763 | 0.926 | 4.065 | 32.357 | 17.060 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:29:04 | 82.813 | 29.688 | 85.938 | 179.689 | 43.750 | 43.750 | 194.272 | 33.333 | 17.708 |
| 2 | 08:30:12 | 54.688 | 45.313 | 87.500 | 173.439 | 54.688 | 54.688 | 167.709 | 30.208 | 22.396 |
| 3 | 08:31:20 | 78.125 | 48.438 | 84.375 | 179.689 | 71.875 | 71.875 | 166.668 | 39.063 | 23.438 |
| x | | 71.875 | 41.146 | 85.938 | 177.605 | 56.771 | 56.771 | 176.216 | 34.201 | 21.181 |
| σ | | 15.068 | 10.045 | 1.563 | 3.608 | 14.178 | 14.178 | 15.645 | 4.490 | 3.052 |
| %RSD | | 20.965 | 24.414 | 1.818 | 2.032 | 24.974 | 24.974 | 8.879 | 13.129 | 14.409 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:29:04 | 14.063 | 18.750 | 26.563 | 18.750 | 23.438 | 4.688 | 181171.250 | 109.375 | 3.125 |
| 2 | 08:30:12 | 23.438 | 18.750 | 21.875 | 15.625 | 28.125 | 0.000 | 180755.100 | 110.938 | 6.250 |
| 3 | 08:31:20 | 17.188 | 20.313 | 25.000 | 18.750 | 25.000 | 1.563 | 179596.870 | 104.688 | 1.563 |
| x | | 18.229 | 19.271 | 24.479 | 17.708 | 25.521 | 2.083 | 180507.740 | 108.334 | 3.646 |
| σ | | 4.774 | 0.902 | 2.387 | 1.804 | 2.387 | 2.387 | 815.816 | 3.253 | 2.387 |
| %RSD | | 26.186 | 4.681 | 9.750 | 10.189 | 9.352 | 114.564 | 0.452 | 3.002 | 65.465 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:29:04 | 0.000 | 0.000 | 3.125 | 1.563 | 50.000 | 15.625 | 226.564 | 432.819 | 477996.490 |
| 2 | 08:30:12 | 0.000 | 0.000 | 9.375 | 3.125 | 40.625 | 15.625 | 220.314 | 414.069 | 475120.070 |
| 3 | 08:31:20 | 0.000 | 0.000 | 0.000 | 0.000 | 50.000 | 17.188 | 237.502 | 406.256 | 478828.350 |
| x | | 0.000 | 0.000 | 4.167 | 1.563 | 46.875 | 16.146 | 228.127 | 417.714 | 477314.970 |
| σ | | 0.000 | 0.000 | 4.774 | 1.563 | 5.413 | 0.902 | 8.700 | 13.652 | 1945.813 |
| %RSD | | 0.000 | 0.000 | 114.564 | 100.000 | 11.547 | 5.587 | 3.814 | 3.268 | 0.408 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:29:04 | 514449.190 | 15.625 | 75.000 | 43.750 | 45.313 | 95.313 | 469380.240 | 4628.875 |
| 2 | 08:30:12 | 517854.920 | 31.250 | 65.625 | 40.625 | 32.813 | 96.875 | 468169.600 | 4746.101 |
| 3 | 08:31:20 | 508949.560 | 21.875 | 65.625 | 39.063 | 25.000 | 112.500 | 468689.350 | 4839.882 |
| x | | 513751.220 | 22.917 | 68.750 | 41.146 | 34.375 | 101.563 | 468746.400 | 4738.286 |
| σ | | 4493.525 | 7.864 | 5.413 | 2.387 | 10.246 | 9.504 | 607.335 | 105.721 |
| %RSD | | 0.875 | 34.317 | 7.873 | 5.801 | 29.807 | 9.358 | 0.130 | 2.231 |

**C1867-09X25 MF3T58** 05/01/2011 08:35:52 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:36:59 | 17149.350 | 2.604 | 557.823 | 270.315 | 5136800.100 | 885892.030 | 115214.300 | 139414.470 | 709.393 |
| 2 | 08:38:07 | 16847.428 | 1.042 | 632.827 | 323.441 | 5178640.400 | 881468.090 | 115959.350 | 140479.520 | 685.954 |
| 3 | 08:39:15 | 17207.232 | 2.604 | 642.202 | 281.253 | 5178635.300 | 883477.340 | 117460.610 | 141120.160 | 667.203 |
| x | | 17068.003 | 2.083 | 610.951 | 291.670 | 5164691.900 | 883612.490 | 116211.420 | 140338.050 | 687.517 |
| σ | | 193.203 | 0.902 | 46.248 | 28.053 | 24155.035 | 2215.067 | 1144.171 | 861.599 | 21.138 |
| %RSD | | 1.132 | 43.301 | 7.570 | 9.618 | 0.468 | 0.251 | 0.985 | 0.614 | 3.075 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:36:59 | 63145.500 | 954.719 | 31739.908 | 106463.990 | 255325.540 | 12097.307 | 200975.690 | 63994.578 | 12.500 |
| 2 | 08:38:07 | 63211.415 | 893.778 | 31808.811 | 108268.100 | 254388.740 | 11768.908 | 200142.240 | 64145.251 | 15.625 |
| 3 | 08:39:15 | 62756.290 | 834.399 | 31968.542 | 107525.010 | 254390.330 | 12111.382 | 200600.160 | 64269.244 | 14.063 |
| x | | 63037.735 | 894.299 | 31839.087 | 107419.030 | 254701.540 | 11992.532 | 200572.700 | 64136.358 | 14.063 |
| σ | | 245.956 | 60.162 | 117.285 | 906.711 | 540.406 | 193.792 | 417.405 | 137.549 | 1.563 |
| %RSD | | 0.390 | 6.727 | 0.368 | 0.844 | 0.212 | 1.616 | 0.208 | 0.214 | 11.111 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:36:59 | 13939.610 | 920.342 | 4009.938 | 3006.566 | 6731.273 | 41613.646 | 2111.093 | 51.563 | 65.625 |
| 2 | 08:38:07 | 13842.641 | 940.656 | 4042.760 | 2951.867 | 6773.480 | 41565.068 | 2154.850 | 59.375 | 76.563 |
| 3 | 08:39:15 | 13436.003 | 923.467 | 4059.952 | 3037.823 | 6973.577 | 42654.208 | 2097.029 | 45.313 | 60.938 |
| x | | 13739.418 | 928.155 | 4037.550 | 2998.752 | 6826.110 | 41944.307 | 2120.991 | 52.083 | 67.708 |
| σ | | 267.201 | 10.938 | 25.411 | 43.507 | 129.442 | 615.272 | 30.154 | 7.046 | 8.018 |
| %RSD | | 1.945 | 1.178 | 0.629 | 1.451 | 1.896 | 1.467 | 1.422 | 13.528 | 11.842 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:36:59 | 151.563 | 68.750 | 234.377 | 174.480 | 56.250 | 56.250 | 181.772 | 29.688 | 22.917 |
| 2 | 08:38:07 | 173.439 | 75.000 | 257.815 | 165.105 | 42.188 | 42.188 | 133.855 | 24.479 | 19.792 |
| 3 | 08:39:15 | 139.063 | 90.625 | 251.565 | 167.188 | 51.563 | 51.563 | 168.751 | 26.563 | 19.271 |
| x | | 154.688 | 78.125 | 247.919 | 168.925 | 50.000 | 50.000 | 161.459 | 26.910 | 20.660 |
| σ | | 17.399 | 11.267 | 12.137 | 4.923 | 7.160 | 7.160 | 24.777 | 2.621 | 1.972 |
| %RSD | | 11.248 | 14.422 | 4.895 | 2.914 | 14.321 | 14.321 | 15.346 | 9.742 | 9.544 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:36:59 | 17.188 | 20.313 | 12.500 | 14.063 | 29.688 | 1.563 | 178272.630 | 140.626 | 3.125 |
| 2 | 08:38:07 | 37.500 | 15.625 | 32.813 | 18.750 | 42.188 | 1.563 | 180031.990 | 120.313 | 6.250 |
| 3 | 08:39:15 | 26.563 | 18.750 | 20.313 | 20.313 | 50.000 | 1.563 | 181538.370 | 110.938 | 7.813 |
| x | | 27.083 | 18.229 | 21.875 | 17.708 | 40.625 | 1.563 | 179947.660 | 123.959 | 5.729 |
| σ | | 10.166 | 2.387 | 10.246 | 3.253 | 10.246 | 0.000 | 1634.503 | 15.176 | 2.387 |
| %RSD | | 37.537 | 13.093 | 46.839 | 18.368 | 25.221 | 0.000 | 0.908 | 12.243 | 41.660 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:36:59 | 1.563 | 1.563 | 7.813 | 0.000 | 65.625 | 14.063 | 198.439 | 303.128 | 471667.830 |
| 2 | 08:38:07 | 0.000 | 0.000 | 3.125 | 0.000 | 68.750 | 18.750 | 153.126 | 264.065 | 475517.340 |
| 3 | 08:39:15 | 1.563 | 1.563 | 3.125 | 1.563 | 51.563 | 17.188 | 185.939 | 298.441 | 480009.190 |
| x | | 1.042 | 1.042 | 4.688 | 0.521 | 61.979 | 16.667 | 179.168 | 288.545 | 475731.450 |
| σ | | 0.902 | 0.902 | 2.706 | 0.902 | 9.155 | 2.387 | 23.403 | 21.329 | 4174.801 |
| %RSD | | 86.603 | 86.603 | 57.735 | 173.205 | 14.772 | 14.321 | 13.062 | 7.392 | 0.878 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:36:59 | 515279.900 | 29.688 | 96.875 | 106.250 | 95.313 | 248.440 | 465600.130 | 5116.541 |
| 2 | 08:38:07 | 515710.660 | 34.375 | 65.625 | 109.375 | 89.063 | 228.127 | 471317.480 | 5160.307 |
| 3 | 08:39:15 | 518256.600 | 29.688 | 93.750 | 121.876 | 93.750 | 281.253 | 472694.690 | 5075.902 |
| x | | 516415.720 | 31.250 | 85.417 | 112.500 | 92.709 | 252.606 | 469870.770 | 5117.583 |
| σ | | 1608.733 | 2.706 | 17.211 | 8.268 | 3.253 | 26.807 | 3762.037 | 42.212 |
| %RSD | | 0.312 | 8.660 | 20.150 | 7.349 | 3.508 | 10.612 | 0.801 | 0.825 |

**C1867-10X25 MF3T87** 05/01/2011 08:43:48 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:44:56 | 16833.349 | 0.521 | 528.135 | 285.940 | 4502550.600 | 539284.620 | 71586.727 | 85761.342 | 557.823 |
| 2 | 08:46:04 | 16891.230 | 1.563 | 503.134 | 292.190 | 4471339.300 | 537182.990 | 70749.761 | 85750.339 | 557.823 |
| 3 | 08:47:12 | 16964.755 | 2.604 | 504.696 | 295.316 | 4486676.000 | 540975.670 | 71001.003 | 86250.210 | 615.638 |
| x | | 16896.445 | 1.563 | 511.988 | 291.149 | 4486855.300 | 539147.760 | 71112.497 | 85920.630 | 577.095 |
| σ | | 65.858 | 1.042 | 14.005 | 4.774 | 15606.451 | 1900.044 | 429.478 | 285.477 | 33.379 |
| %RSD | | 0.390 | 66.667 | 2.735 | 1.640 | 0.348 | 0.352 | 0.604 | 0.332 | 5.784 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:44:56 | 58751.814 | 882.840 | 27157.038 | 102891.080 | 204999.450 | 7398.791 | 123462.460 | 64570.599 | 10.938 |
| 2 | 08:46:04 | 57035.505 | 865.651 | 27125.729 | 103105.110 | 204807.670 | 7355.018 | 122743.810 | 63109.403 | 12.500 |
| 3 | 08:47:12 | 58560.406 | 928.155 | 27299.497 | 103677.980 | 204302.070 | 7472.266 | 121245.150 | 63614.762 | 12.500 |
| x | | 58115.908 | 892.215 | 27194.088 | 103224.720 | 204703.060 | 7408.691 | 122483.810 | 63764.921 | 11.979 |
| σ | | 940.539 | 32.289 | 92.619 | 406.862 | 360.268 | 59.248 | 1131.288 | 742.081 | 0.902 |
| %RSD | | 1.618 | 3.619 | 0.341 | 0.394 | 0.176 | 0.800 | 0.924 | 1.164 | 7.531 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:44:56 | 11976.894 | 398.443 | 3716.108 | 3161.287 | 289.065 | 44561.580 | 1768.860 | 71.875 | 56.250 |
| 2 | 08:46:04 | 12169.243 | 420.319 | 3859.896 | 3223.801 | 256.252 | 44884.463 | 1698.539 | 62.500 | 46.875 |
| 3 | 08:47:12 | 11955.000 | 409.381 | 3714.545 | 3187.856 | 265.627 | 44444.027 | 1893.876 | 59.375 | 71.875 |
| x | | 12033.712 | 409.381 | 3763.517 | 3190.981 | 270.315 | 44630.024 | 1787.091 | 64.583 | 58.333 |
| σ | | 117.883 | 10.938 | 83.471 | 31.374 | 16.901 | 228.056 | 98.937 | 6.505 | 12.630 |
| %RSD | | 0.980 | 2.672 | 2.218 | 0.983 | 6.252 | 0.511 | 5.536 | 10.073 | 21.651 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:44:56 | 510.947 | 253.127 | 276.565 | 146.876 | 46.875 | 46.875 | 178.647 | 22.917 | 20.833 |
| 2 | 08:46:04 | 489.071 | 212.502 | 306.253 | 153.126 | 50.000 | 50.000 | 163.022 | 32.813 | 21.875 |
| 3 | 08:47:12 | 501.571 | 214.064 | 287.503 | 151.042 | 26.563 | 26.563 | 175.001 | 24.479 | 21.354 |
| x | | 500.530 | 226.564 | 290.107 | 150.348 | 41.146 | 41.146 | 172.223 | 26.736 | 21.354 |
| σ | | 10.975 | 23.017 | 15.014 | 3.182 | 12.726 | 12.726 | 8.175 | 5.320 | 0.521 |
| %RSD | | 2.193 | 10.159 | 5.175 | 2.117 | 30.929 | 30.929 | 4.747 | 19.898 | 2.439 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:44:56 | 50.000 | 25.000 | 28.125 | 23.438 | 37.500 | 0.000 | 180800.980 | 132.813 | 6.250 |
| 2 | 08:46:04 | 62.500 | 10.938 | 34.375 | 18.750 | 48.438 | 0.000 | 178636.510 | 118.750 | 7.813 |
| 3 | 08:47:12 | 39.063 | 25.000 | 34.375 | 9.375 | 37.500 | 1.563 | 179315.240 | 123.438 | 1.563 |
| x | | 50.521 | 20.313 | 32.292 | 17.188 | 41.146 | 0.521 | 179584.250 | 125.001 | 5.208 |
| σ | | 11.727 | 8.119 | 3.608 | 7.160 | 6.315 | 0.902 | 1107.027 | 7.160 | 3.253 |
| %RSD | | 23.213 | 39.970 | 11.175 | 41.660 | 15.347 | 173.205 | 0.616 | 5.728 | 62.450 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:44:56 | 0.000 | 0.000 | 7.813 | 0.000 | 62.500 | 9.375 | 345.317 | 531.260 | 474976.340 |
| 2 | 08:46:04 | 0.000 | 0.000 | 3.125 | 0.000 | 48.438 | 12.500 | 340.629 | 571.886 | 478397.070 |
| 3 | 08:47:12 | 0.000 | 0.000 | 1.563 | 1.563 | 64.063 | 25.000 | 318.754 | 571.886 | 476580.010 |
| x | | 0.000 | 0.000 | 4.167 | 0.521 | 58.333 | 15.625 | 334.900 | 558.344 | 476651.140 |
| σ | | 0.000 | 0.000 | 3.253 | 0.902 | 8.606 | 8.268 | 14.178 | 23.456 | 1711.471 |
| %RSD | | 0.000 | 0.000 | 78.062 | 173.205 | 14.752 | 52.915 | 4.234 | 4.201 | 0.359 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:44:56 | 513565.090 | 31.250 | 70.313 | 107.813 | 109.375 | 254.690 | 466926.770 | 3258.184 |
| 2 | 08:46:04 | 516029.690 | 28.125 | 64.063 | 107.813 | 110.938 | 229.689 | 471394.980 | 3289.441 |
| 3 | 08:47:12 | 515709.040 | 18.750 | 62.500 | 131.251 | 85.938 | 215.627 | 470092.150 | 3275.375 |
| x | | 515101.280 | 26.042 | 65.625 | 115.625 | 102.084 | 233.335 | 469471.300 | 3274.334 |
| σ | | 1339.997 | 6.505 | 4.134 | 13.532 | 14.005 | 19.785 | 2297.891 | 15.655 |
| %RSD | | 0.260 | 24.980 | 6.299 | 11.703 | 13.719 | 8.479 | 0.489 | 0.478 |

**CCV** 05/01/2011 08:51:42 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:52:50 | 14729.465 | 26025.769 | 5004.001 | 353.129 | 20572487.000 | 14024382.000 | 1891788.000 | 2254751.500 | 3225223.900 |
| 2 | 08:53:58 | 14806.106 | 25914.629 | 4775.798 | 351.567 | 20327657.000 | 13961785.000 | 1898393.500 | 2286797.100 | 3202416.400 |
| 3 | 08:55:06 | 14746.670 | 25343.815 | 4938.353 | 342.192 | 20301528.000 | 13762979.000 | 1881392.900 | 2234036.200 | 3184092.400 |
| x | | 14760.747 | 25761.404 | 4906.051 | 348.963 | 20400557.000 | 13916382.000 | 1890524.800 | 2258528.300 | 3203910.900 |
| σ | | 40.213 | 365.887 | 117.481 | 5.916 | 149467.520 | 136487.800 | 8570.396 | 26582.443 | 20606.465 |
| %RSD | | 0.272 | 1.420 | 2.395 | 1.695 | 0.733 | 0.981 | 0.453 | 1.177 | 0.643 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:52:50 | 29874.148 | 158425.170 | 15860.362 | 74449.743 | 9417914.300 | 49138.720 | 719549.580 | 56506.848 | 23304.931 |
| 2 | 08:53:58 | 29752.974 | 158621.070 | 15738.352 | 72857.188 | 9411655.100 | 48523.437 | 731950.090 | 55788.407 | 23514.649 |
| 3 | 08:55:06 | 30422.066 | 157369.850 | 15758.687 | 72640.464 | 9450051.500 | 48279.049 | 715029.330 | 56269.978 | 23574.122 |
| x | | 30016.396 | 158138.700 | 15785.800 | 73315.798 | 9426540.300 | 48647.069 | 722176.330 | 56188.411 | 23464.568 |
| σ | | 356.506 | 673.008 | 65.368 | 987.985 | 20600.374 | 442.970 | 8760.877 | 366.100 | 141.411 |
| %RSD | | 1.188 | 0.426 | 0.414 | 1.348 | 0.219 | 0.911 | 1.213 | 0.652 | 0.603 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:52:50 | 366671.040 | 346461.860 | 44973.806 | 1304992.300 | 981953.370 | 22492392.000 | 552443.580 | 416924.540 | 90836.316 |
| 2 | 08:53:58 | 366736.760 | 349887.600 | 44867.222 | 1320214.100 | 998128.010 | 22397751.000 | 557932.140 | 419615.700 | 92297.197 |
| 3 | 08:55:06 | 365626.010 | 347603.150 | 44407.978 | 1299263.100 | 971789.300 | 21876735.000 | 546579.260 | 411463.320 | 89763.944 |
| x | | 366344.610 | 347984.200 | 44749.669 | 1308156.500 | 983956.890 | 22255626.000 | 552318.330 | 416001.180 | 90965.819 |
| σ | | 623.185 | 1744.370 | 300.673 | 10828.024 | 13283.164 | 331523.590 | 5677.476 | 4153.881 | 1271.582 |
| %RSD | | 0.170 | 0.501 | 0.672 | 0.828 | 1.350 | 1.490 | 1.028 | 0.999 | 1.398 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:52:50 | 458989.740 | 220450.420 | 170223.780 | 66412.346 | 4460.071 | 4460.071 | 14139.807 | 6028.355 | 23.438 |
| 2 | 08:53:58 | 453822.270 | 220590.050 | 169891.740 | 66655.140 | 4345.974 | 4345.974 | 14010.513 | 6032.523 | 24.479 |
| 3 | 08:55:06 | 449833.420 | 216619.040 | 166808.850 | 65726.372 | 4225.625 | 4225.625 | 13894.253 | 5938.734 | 21.875 |
| x | | 454215.140 | 219219.840 | 168974.790 | 66264.619 | 4343.890 | 4343.890 | 14014.858 | 5999.871 | 23.264 |
| σ | | 4590.787 | 2253.439 | 1883.091 | 481.684 | 117.237 | 117.237 | 122.834 | 52.987 | 1.311 |
| %RSD | | 1.011 | 1.028 | 1.114 | 0.727 | 2.699 | 2.699 | 0.876 | 0.883 | 5.634 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:52:50 | 133180.420 | 141140.670 | 160863.120 | 89842.561 | 234296.310 | 3.125 | 159060.290 | 10682.117 | 441783.270 |
| 2 | 08:53:58 | 135650.370 | 143376.840 | 163100.780 | 90339.430 | 236820.230 | 4.688 | 155330.520 | 10674.299 | 445639.370 |
| 3 | 08:55:06 | 133383.860 | 140544.210 | 161830.200 | 88966.793 | 233591.160 | 1.563 | 159750.740 | 10406.914 | 439357.020 |
| x | | 134071.550 | 141687.240 | 161931.370 | 89716.261 | 234902.570 | 3.125 | 158047.190 | 10587.777 | 442259.880 |
| σ | | 1371.076 | 1493.317 | 1122.254 | 694.979 | 1697.762 | 1.563 | 2377.892 | 156.680 | 3168.180 |
| %RSD | | 1.023 | 1.054 | 0.693 | 0.775 | 0.723 | 50.000 | 1.505 | 1.480 | 0.716 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:52:50 | 7655.176 | 7655.176 | 432005.010 | 111229.780 | 303836.140 | 426803.690 | 384923.120 | 694925.930 | 444259.890 |
| 2 | 08:53:58 | 7608.276 | 7608.276 | 436394.830 | 110132.260 | 304840.000 | 435135.400 | 392779.550 | 699312.070 | 441193.590 |
| 3 | 08:55:06 | 7516.039 | 7516.039 | 430161.550 | 109963.790 | 299661.840 | 427922.350 | 389753.020 | 694070.170 | 455199.440 |
| x | | 7593.163 | 7593.163 | 432853.800 | 110441.940 | 302779.330 | 429953.810 | 389151.900 | 696102.720 | 446884.300 |
| σ | | 70.789 | 70.789 | 3202.149 | 687.467 | 2746.081 | 4522.110 | 3962.563 | 2812.117 | 7362.515 |
| %RSD | | 0.932 | 0.932 | 0.740 | 0.622 | 0.907 | 1.052 | 1.018 | 0.404 | 1.648 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:52:50 | 476336.140 | 900430.450 | 2165510.500 | 725878.320 | 684239.100 | 1621993.000 | 427825.770 | 4309111.600 |
| 2 | 08:53:58 | 480729.690 | 917652.750 | 2211998.700 | 739709.860 | 692424.370 | 1646469.900 | 430404.650 | 4336991.900 |
| 3 | 08:55:06 | 489236.290 | 909171.340 | 2189806.500 | 728673.160 | 689411.920 | 1619789.300 | 438844.750 | 4279841.700 |
| x | | 482100.710 | 909084.850 | 2189105.300 | 731420.440 | 688691.800 | 1629417.400 | 432358.390 | 4308648.400 |
| σ | | 6558.449 | 8611.475 | 23252.028 | 7313.589 | 4139.880 | 14808.958 | 5763.445 | 28577.911 |
| %RSD | | 1.360 | 0.947 | 1.062 | 1.000 | 0.601 | 0.909 | 1.333 | 0.663 |

**CCB** 05/01/2011 08:59:36 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:00:44 | 15292.556 | 13.021 | 131.251 | 204.689 | 133800.230 | 5474.486 | 718.768 | 882.840 | 1310.998 |
| 2 | 09:01:52 | 15394.227 | 12.500 | 117.188 | 225.002 | 131724.830 | 4771.109 | 715.643 | 787.522 | 1267.244 |
| 3 | 09:03:01 | 15441.153 | 8.333 | 106.250 | 296.878 | 128681.650 | 3184.730 | 420.319 | 509.384 | 818.773 |
| x | | 15375.979 | 11.285 | 118.230 | 242.190 | 131402.240 | 4476.775 | 618.243 | 726.582 | 1132.338 |
| σ | | 75.961 | 2.569 | 12.533 | 48.438 | 2574.491 | 1172.911 | 171.415 | 194.043 | 272.435 |
| %RSD | | 0.494 | 22.767 | 10.600 | 20.000 | 1.959 | 26.200 | 27.726 | 26.706 | 24.059 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:00:44 | 631.264 | 968.783 | 16213.883 | 77515.986 | 101348.860 | 15.625 | 671.891 | 57267.681 | 28.125 |
| 2 | 09:01:52 | 609.388 | 917.217 | 16242.040 | 77270.914 | 100818.560 | 25.000 | 660.953 | 58221.525 | 14.063 |
| 3 | 09:03:01 | 562.511 | 893.778 | 16454.784 | 79442.149 | 99419.750 | 17.188 | 590.637 | 58877.329 | 20.313 |
| x | | 601.054 | 926.593 | 16303.569 | 78076.350 | 100529.060 | 19.271 | 641.160 | 58122.178 | 20.833 |
| σ | | 35.126 | 38.371 | 131.710 | 1189.147 | 996.607 | 5.023 | 44.095 | 809.410 | 7.046 |
| %RSD | | 5.844 | 4.141 | 0.808 | 1.523 | 0.991 | 26.064 | 6.877 | 1.393 | 33.819 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:00:44 | 8766.752 | 428.131 | 3023.758 | 2917.485 | 445.319 | 39509.246 | 1300.059 | 148.438 | 50.000 |
| 2 | 09:01:52 | 8535.362 | 398.443 | 2823.717 | 3092.522 | 412.506 | 39449.707 | 1204.738 | 150.001 | 35.938 |
| 3 | 09:03:01 | 8283.651 | 345.317 | 2839.345 | 2865.912 | 314.066 | 37063.643 | 1193.800 | 110.938 | 34.375 |
| x | | 8528.588 | 390.630 | 2895.606 | 2958.640 | 390.630 | 38674.199 | 1232.866 | 136.459 | 40.104 |
| σ | | 241.622 | 41.957 | 111.257 | 118.778 | 68.306 | 1395.100 | 58.448 | 22.116 | 8.606 |
| %RSD | | 2.833 | 10.741 | 3.842 | 4.015 | 17.486 | 3.607 | 4.741 | 16.207 | 21.458 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:00:44 | 198.439 | 109.375 | 117.188 | 91.667 | 25.000 | 25.000 | 145.834 | 18.750 | 17.708 |
| 2 | 09:01:52 | 187.501 | 89.063 | 114.063 | 113.021 | 25.000 | 25.000 | 128.646 | 15.104 | 27.604 |
| 3 | 09:03:01 | 135.938 | 76.563 | 75.000 | 93.229 | 23.438 | 23.438 | 156.251 | 18.750 | 18.750 |
| x | | 173.959 | 91.667 | 102.084 | 99.306 | 24.479 | 24.479 | 143.577 | 17.535 | 21.354 |
| σ | | 33.378 | 16.561 | 23.507 | 11.904 | 0.902 | 0.902 | 13.940 | 2.105 | 5.438 |
| %RSD | | 19.187 | 18.066 | 23.027 | 11.987 | 3.685 | 3.685 | 9.709 | 12.004 | 25.464 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:00:44 | 154.688 | 246.877 | 275.003 | 131.251 | 368.755 | 3.125 | 162312.190 | 109.375 | 270.315 |
| 2 | 09:01:52 | 96.875 | 167.188 | 142.188 | 93.750 | 264.065 | 0.000 | 165582.210 | 123.438 | 184.376 |
| 3 | 09:03:01 | 92.188 | 82.813 | 128.126 | 76.563 | 185.939 | 0.000 | 167491.770 | 104.688 | 112.500 |
| x | | 114.584 | 165.626 | 181.772 | 100.521 | 272.919 | 1.042 | 165128.720 | 112.500 | 189.064 |
| σ | | 34.811 | 82.043 | 81.046 | 27.966 | 91.729 | 1.804 | 2619.402 | 9.758 | 79.012 |
| %RSD | | 30.380 | 49.535 | 44.586 | 27.821 | 33.610 | 173.205 | 1.586 | 8.674 | 41.791 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:00:44 | 3.125 | 3.125 | 207.814 | 42.188 | 329.691 | 571.886 | 140.626 | 273.440 | 444085.850 |
| 2 | 09:01:52 | 4.688 | 4.688 | 143.751 | 25.000 | 262.502 | 462.507 | 120.313 | 207.814 | 449301.440 |
| 3 | 09:03:01 | 1.563 | 1.563 | 107.813 | 17.188 | 234.377 | 321.879 | 71.875 | 145.313 | 452050.210 |
| x | | 3.125 | 3.125 | 153.126 | 28.125 | 275.524 | 452.091 | 110.938 | 208.856 | 448479.160 |
| σ | | 1.563 | 1.563 | 50.655 | 12.790 | 48.973 | 125.329 | 35.321 | 64.070 | 4045.349 |
| %RSD | | 50.000 | 50.000 | 33.081 | 45.474 | 17.775 | 27.722 | 31.839 | 30.677 | 0.902 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:00:44 | 473862.120 | 557.823 | 1270.369 | 298.441 | 296.878 | 651.577 | 441417.530 | 1403.194 |
| 2 | 09:01:52 | 485976.240 | 426.569 | 960.970 | 242.190 | 246.877 | 585.950 | 449844.700 | 1292.246 |
| 3 | 09:03:01 | 495254.030 | 229.689 | 579.699 | 204.689 | 146.876 | 368.755 | 456668.670 | 801.585 |
| x | | 485030.800 | 404.694 | 937.013 | 248.440 | 230.210 | 535.427 | 449310.300 | 1165.675 |
| σ | | 10727.251 | 165.157 | 345.958 | 47.187 | 76.377 | 148.025 | 7639.597 | 320.154 |
| %RSD | | 2.212 | 40.810 | 36.921 | 18.993 | 33.177 | 27.646 | 1.700 | 27.465 |

**C1867-11 MF3T88** 05/01/2011 09:07:30 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:08:38 | 15422.383 | 8.333 | 9288.957 | 468.758 | 86452435.000 | 9048166.700 | 1227001.200 | 1463709.700 | 1582.900 |
| 2 | 09:09:46 | 15062.624 | 5.208 | 9861.215 | 470.320 | 88669591.000 | 9321666.100 | 1260971.400 | 1494023.400 | 1361.002 |
| 3 | 09:10:54 | 15228.425 | 7.292 | 9837.761 | 445.319 | 86678970.000 | 9173340.700 | 1238638.900 | 1474096.000 | 1445.386 |
| x | | 15237.811 | 6.944 | 9662.644 | 461.466 | 87266999.000 | 9181057.800 | 1242203.900 | 1477276.400 | 1463.096 |
| σ | | 180.063 | 1.591 | 323.835 | 14.005 | 1219950.400 | 136912.910 | 17263.380 | 15405.052 | 112.004 |
| %RSD | | 1.182 | 22.913 | 3.351 | 3.035 | 1.398 | 1.491 | 1.390 | 1.043 | 7.655 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:08:38 | 986596.540 | 809.398 | 203159.380 | 603121.370 | 2514370.600 | 127623.790 | 2198839.300 | 57173.555 | 76.563 |
| 2 | 09:09:46 | 1010901.200 | 823.461 | 208491.640 | 632972.070 | 2584507.400 | 132030.760 | 2282320.200 | 56235.468 | 79.688 |
| 3 | 09:10:54 | 991192.660 | 929.718 | 206570.270 | 633729.570 | 2546862.200 | 130835.460 | 2254599.200 | 57451.228 | 68.750 |
| x | | 996230.140 | 854.192 | 206073.760 | 623274.340 | 2548580.000 | 130163.330 | 2245252.900 | 56953.417 | 75.000 |
| σ | | 12911.696 | 65.784 | 2700.579 | 17457.092 | 35099.959 | 2279.068 | 42517.997 | 637.075 | 5.634 |
| %RSD | | 1.296 | 7.701 | 1.310 | 2.801 | 1.377 | 1.751 | 1.894 | 1.119 | 7.512 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:08:38 | 74796.861 | 8285.214 | 21544.358 | 4458.508 | 1028.162 | 68187.346 | 11121.515 | 360.942 | 337.504 |
| 2 | 09:09:46 | 79709.256 | 8657.310 | 23045.135 | 4410.056 | 943.781 | 67832.537 | 11684.464 | 384.380 | 285.940 |
| 3 | 09:10:54 | 80364.474 | 8638.549 | 23708.720 | 4358.477 | 906.279 | 66932.997 | 11137.152 | 385.943 | 332.816 |
| x | | 78290.197 | 8527.024 | 22766.071 | 4409.014 | 959.407 | 67650.960 | 11314.377 | 377.088 | 318.754 |
| σ | | 3043.004 | 209.624 | 1108.839 | 50.024 | 62.426 | 646.587 | 320.600 | 14.005 | 28.514 |
| %RSD | | 3.887 | 2.458 | 4.871 | 1.135 | 6.507 | 0.956 | 2.834 | 3.714 | 8.945 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:08:38 | 3656.718 | 1864.184 | 814.086 | 1245.367 | 304.691 | 304.691 | 466.153 | 184.897 | 14.583 |
| 2 | 09:09:46 | 3906.784 | 1829.805 | 807.835 | 1324.020 | 334.379 | 334.379 | 459.382 | 205.731 | 18.229 |
| 3 | 09:10:54 | 3772.373 | 1796.988 | 848.463 | 1356.835 | 315.628 | 315.628 | 415.110 | 182.814 | 21.354 |
| x | | 3778.625 | 1830.326 | 823.461 | 1308.741 | 318.233 | 318.233 | 446.882 | 191.147 | 18.056 |
| σ | | 125.150 | 33.601 | 21.876 | 57.283 | 15.014 | 15.014 | 27.723 | 12.673 | 3.389 |
| %RSD | | 3.312 | 1.836 | 2.657 | 4.377 | 4.718 | 4.718 | 6.204 | 6.630 | 18.768 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:08:38 | 943.781 | 618.763 | 768.771 | 428.131 | 1014.099 | 0.000 | 153601.040 | 107.813 | 103.125 |
| 2 | 09:09:46 | 720.331 | 664.078 | 765.646 | 410.943 | 1029.725 | 1.563 | 151295.380 | 123.438 | 46.875 |
| 3 | 09:10:54 | 537.510 | 656.265 | 754.707 | 373.442 | 1064.102 | 4.688 | 152863.500 | 95.313 | 73.438 |
| x | | 733.874 | 646.369 | 763.041 | 404.172 | 1035.975 | 2.083 | 152586.640 | 108.855 | 74.479 |
| σ | | 203.474 | 24.224 | 7.384 | 27.966 | 25.581 | 2.387 | 1177.500 | 14.092 | 28.140 |
| %RSD | | 27.726 | 3.748 | 0.968 | 6.919 | 2.469 | 114.564 | 0.772 | 12.945 | 37.782 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:08:38 | 6.250 | 6.250 | 114.063 | 23.438 | 234.377 | 231.252 | 6338.906 | 11007.364 | 437380.550 |
| 2 | 09:09:46 | 7.813 | 7.813 | 62.500 | 20.313 | 189.064 | 164.063 | 6456.146 | 11620.349 | 435001.730 |
| 3 | 09:10:54 | 3.125 | 3.125 | 59.375 | 18.750 | 196.876 | 184.376 | 6470.215 | 11271.632 | 436821.640 |
| x | | 5.729 | 5.729 | 78.646 | 20.833 | 206.772 | 193.231 | 6421.756 | 11299.782 | 436401.310 |
| σ | | 2.387 | 2.387 | 30.712 | 2.387 | 24.223 | 34.458 | 72.094 | 307.461 | 1243.866 |
| %RSD | | 41.660 | 41.660 | 39.051 | 11.456 | 11.715 | 17.833 | 1.123 | 2.721 | 0.285 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:08:38 | 476898.180 | 353.129 | 835.962 | 1323.499 | 1200.050 | 2875.289 | 419261.780 | 85242.627 |
| 2 | 09:09:46 | 467879.060 | 218.752 | 568.761 | 1285.995 | 1082.853 | 2581.483 | 412929.740 | 88771.836 |
| 3 | 09:10:54 | 478208.080 | 206.251 | 532.822 | 1296.934 | 1093.792 | 2736.200 | 418159.870 | 87378.913 |
| x | | 474328.440 | 259.378 | 645.849 | 1302.143 | 1125.565 | 2730.991 | 416783.790 | 87131.125 |
| σ | | 5623.600 | 81.432 | 165.621 | 19.287 | 64.737 | 146.972 | 3382.879 | 1777.605 |
| %RSD | | 1.186 | 31.395 | 25.644 | 1.481 | 5.752 | 5.382 | 0.812 | 2.040 |

**C1867-12 MF3T89** 05/01/2011 09:15:24 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:16:32 | 15585.059 | 3.646 | 9384.331 | 656.265 | 88272143.000 | 8115625.100 | 1093352.600 | 1282136.500 | 1045.351 |
| 2 | 09:17:40 | 15646.063 | 3.646 | 9806.490 | 639.077 | 90000717.000 | 8191088.800 | 1116958.600 | 1323771.900 | 1125.044 |
| 3 | 09:18:48 | 15239.374 | 6.250 | 9925.322 | 625.014 | 92201845.000 | 8325218.500 | 1128627.300 | 1333390.500 | 1025.037 |
| x | | 15490.165 | 4.514 | 9705.381 | 640.119 | 90158235.000 | 8210644.100 | 1112979.500 | 1313099.600 | 1065.144 |
| σ | | 219.323 | 1.504 | 284.315 | 15.652 | 1969580.900 | 106156.290 | 17970.844 | 27242.731 | 52.860 |
| %RSD | | 1.416 | 33.309 | 2.929 | 2.445 | 2.185 | 1.293 | 1.615 | 2.075 | 4.963 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:16:32 | 940657.150 | 789.084 | 191131.030 | 632952.480 | 2216010.500 | 115189.100 | 1993106.900 | 57813.623 | 89.063 |
| 2 | 09:17:40 | 966960.390 | 775.021 | 194182.710 | 649619.980 | 2248488.100 | 117662.250 | 2022880.000 | 57625.365 | 85.938 |
| 3 | 09:18:48 | 990279.340 | 854.713 | 197325.330 | 659422.890 | 2258134.300 | 119827.010 | 2029400.600 | 57190.811 | 92.188 |
| x | | 965965.630 | 806.273 | 194213.020 | 647331.780 | 2240877.600 | 117559.450 | 2015129.200 | 57543.267 | 89.063 |
| σ | | 24826.045 | 42.536 | 3097.263 | 13382.731 | 22069.013 | 2320.666 | 19348.492 | 319.419 | 3.125 |
| %RSD | | 2.570 | 5.276 | 1.595 | 2.067 | 0.985 | 1.974 | 0.960 | 0.555 | 3.509 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:16:32 | 84877.965 | 15686.733 | 25040.677 | 3570.759 | 582.824 | 49838.346 | 9656.388 | 310.941 | 228.127 |
| 2 | 09:17:40 | 88881.892 | 15955.781 | 26505.817 | 3705.168 | 612.513 | 50500.039 | 10055.100 | 331.254 | 225.002 |
| 3 | 09:18:48 | 91452.730 | 16035.557 | 27446.653 | 3650.466 | 542.198 | 50399.685 | 9894.050 | 331.254 | 293.753 |
| x | | 88404.196 | 15892.690 | 26331.049 | 3642.131 | 579.178 | 50246.024 | 9868.513 | 324.483 | 248.961 |
| σ | | 3313.311 | 182.770 | 1212.472 | 67.591 | 35.299 | 356.607 | 200.579 | 11.728 | 38.823 |
| %RSD | | 3.748 | 1.150 | 4.605 | 1.856 | 6.095 | 0.710 | 2.033 | 3.614 | 15.594 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:16:32 | 804.710 | 460.945 | 887.528 | 1380.796 | 415.631 | 415.631 | 428.652 | 191.147 | 19.271 |
| 2 | 09:17:40 | 823.461 | 370.317 | 840.650 | 1399.027 | 351.567 | 351.567 | 434.382 | 186.460 | 19.792 |
| 3 | 09:18:48 | 860.963 | 415.631 | 801.585 | 1398.506 | 384.380 | 384.380 | 451.570 | 183.335 | 21.875 |
| x | | 829.712 | 415.631 | 843.254 | 1392.776 | 383.859 | 383.859 | 438.201 | 186.980 | 20.313 |
| σ | | 28.643 | 45.314 | 43.030 | 10.379 | 32.035 | 32.035 | 11.927 | 3.932 | 1.378 |
| %RSD | | 3.452 | 10.902 | 5.103 | 0.745 | 8.346 | 8.346 | 2.722 | 2.103 | 6.784 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:16:32 | 525.010 | 664.078 | 737.519 | 418.756 | 1081.291 | 3.125 | 155802.810 | 98.438 | 57.813 |
| 2 | 09:17:40 | 476.570 | 665.641 | 709.393 | 453.132 | 1085.979 | 1.563 | 153983.240 | 112.500 | 40.625 |
| 3 | 09:18:48 | 481.258 | 710.955 | 751.582 | 445.319 | 1051.601 | 4.688 | 153239.370 | 89.063 | 37.500 |
| x | | 494.279 | 680.225 | 732.831 | 439.069 | 1072.957 | 3.125 | 154341.810 | 100.000 | 45.313 |
| σ | | 26.716 | 26.625 | 21.482 | 18.020 | 18.643 | 1.563 | 1318.801 | 11.797 | 10.938 |
| %RSD | | 5.405 | 3.914 | 2.931 | 4.104 | 1.737 | 50.000 | 0.854 | 11.797 | 24.138 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:16:32 | 7.813 | 7.813 | 50.000 | 12.500 | 95.313 | 87.500 | 5191.568 | 9431.237 | 443209.250 |
| 2 | 09:17:40 | 4.688 | 4.688 | 46.875 | 12.500 | 118.750 | 104.688 | 5383.827 | 9561.011 | 441303.140 |
| 3 | 09:18:48 | 1.563 | 1.563 | 48.438 | 12.500 | 82.813 | 100.000 | 5463.545 | 9700.167 | 440977.700 |
| x | | 4.688 | 4.688 | 48.438 | 12.500 | 98.959 | 97.396 | 5346.313 | 9564.138 | 441830.030 |
| σ | | 3.125 | 3.125 | 1.563 | 0.000 | 18.244 | 8.885 | 139.815 | 134.492 | 1205.471 |
| %RSD | | 66.667 | 66.667 | 3.226 | 0.000 | 18.436 | 9.122 | 2.615 | 1.406 | 0.273 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:16:32 | 484028.970 | 107.813 | 323.441 | 478.133 | 381.255 | 1017.224 | 424437.870 | 85517.701 |
| 2 | 09:17:40 | 477190.520 | 121.876 | 301.566 | 401.568 | 384.380 | 925.030 | 421177.860 | 88534.432 |
| 3 | 09:18:48 | 478926.880 | 96.875 | 242.190 | 425.006 | 356.254 | 962.532 | 418434.930 | 89328.414 |
| x | | 480048.790 | 108.855 | 289.065 | 434.902 | 373.963 | 968.262 | 421350.220 | 87793.516 |
| σ | | 3554.588 | 12.533 | 42.043 | 39.230 | 15.416 | 46.363 | 3005.177 | 2010.498 |
| %RSD | | 0.740 | 11.513 | 14.545 | 9.020 | 4.122 | 4.788 | 0.713 | 2.290 |

**C1867-13 MF3T90** 05/01/2011 09:23:19 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:24:27 | 15633.550 | 3.125 | 9942.521 | 593.762 | 90983634.000 | 8346239.900 | 1131952.000 | 1322612.100 | 721.893 |
| 2 | 09:25:35 | 15591.316 | 5.208 | 9914.377 | 596.887 | 91085684.000 | 8374749.200 | 1133793.900 | 1333566.700 | 804.710 |
| 3 | 09:26:43 | 15488.079 | 3.646 | 10297.460 | 626.576 | 93738502.000 | 8610409.000 | 1158007.000 | 1361666.100 | 782.834 |
| x | | 15570.981 | 3.993 | 10051.453 | 605.742 | 91935940.000 | 8443799.400 | 1141250.900 | 1339281.600 | 769.812 |
| σ | | 74.837 | 1.084 | 213.513 | 18.111 | 1561898.100 | 144990.590 | 14540.336 | 20144.447 | 42.917 |
| %RSD | | 0.481 | 27.152 | 2.124 | 2.990 | 1.699 | 1.717 | 1.274 | 1.504 | 5.575 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:24:27 | 970685.080 | 876.589 | 195791.950 | 644070.750 | 2290150.400 | 120496.670 | 2037987.700 | 58707.884 | 81.250 |
| 2 | 09:25:35 | 966770.010 | 862.526 | 195514.760 | 647286.300 | 2248693.400 | 118829.670 | 2045956.300 | 58091.309 | 76.563 |
| 3 | 09:26:43 | 993230.260 | 890.653 | 197439.390 | 661002.830 | 2290524.600 | 121788.810 | 2072388.200 | 58428.618 | 79.688 |
| x | | 976895.110 | 876.589 | 196248.700 | 650786.620 | 2276456.100 | 120371.720 | 2052110.700 | 58409.270 | 79.167 |
| σ | | 14281.443 | 14.063 | 1040.443 | 8992.387 | 24043.958 | 1483.522 | 18007.122 | 308.743 | 2.387 |
| %RSD | | 1.462 | 1.604 | 0.530 | 1.382 | 1.056 | 1.232 | 0.877 | 0.529 | 3.015 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:24:27 | 89361.432 | 16085.614 | 26170.825 | 3569.196 | 462.507 | 47665.324 | 10238.042 | 285.940 | 237.502 |
| 2 | 09:25:35 | 91367.814 | 16059.021 | 27739.405 | 3536.375 | 423.444 | 47872.265 | 10175.498 | 326.566 | 204.689 |
| 3 | 09:26:43 | 94022.455 | 16581.493 | 28896.383 | 3578.573 | 454.695 | 48968.157 | 9808.053 | 273.440 | 275.003 |
| x | | 91583.901 | 16242.042 | 27602.204 | 3561.381 | 446.882 | 48168.582 | 10073.864 | 295.316 | 239.065 |
| σ | | 2338.013 | 294.273 | 1367.949 | 22.158 | 20.671 | 700.140 | 232.314 | 27.776 | 35.183 |
| %RSD | | 2.553 | 1.812 | 4.956 | 0.622 | 4.626 | 1.454 | 2.306 | 9.406 | 14.717 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:24:27 | 728.144 | 329.691 | 812.523 | 1377.671 | 373.442 | 373.442 | 421.360 | 204.689 | 20.833 |
| 2 | 09:25:35 | 714.080 | 340.629 | 771.896 | 1443.823 | 470.320 | 470.320 | 443.236 | 194.793 | 14.063 |
| 3 | 09:26:43 | 743.769 | 343.754 | 815.648 | 1481.327 | 428.131 | 428.131 | 483.342 | 197.918 | 19.271 |
| x | | 728.664 | 338.025 | 800.022 | 1434.273 | 423.965 | 423.965 | 449.313 | 199.133 | 18.056 |
| σ | | 14.851 | 7.384 | 24.408 | 52.484 | 48.573 | 48.573 | 31.434 | 5.059 | 3.545 |
| %RSD | | 2.038 | 2.185 | 3.051 | 3.659 | 11.457 | 11.457 | 6.996 | 2.540 | 19.635 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:24:27 | 464.070 | 676.579 | 731.269 | 456.257 | 1104.730 | 3.125 | 158143.950 | 104.688 | 54.688 |
| 2 | 09:25:35 | 437.507 | 689.079 | 776.584 | 415.631 | 1215.677 | 1.563 | 156600.530 | 106.250 | 48.438 |
| 3 | 09:26:43 | 423.444 | 707.830 | 753.145 | 451.570 | 1165.673 | 6.250 | 156396.750 | 98.438 | 34.375 |
| x | | 441.674 | 691.163 | 753.666 | 441.153 | 1162.027 | 3.646 | 157047.080 | 103.125 | 45.833 |
| σ | | 20.631 | 15.730 | 22.662 | 22.226 | 55.563 | 2.387 | 955.371 | 4.134 | 10.404 |
| %RSD | | 4.671 | 2.276 | 3.007 | 5.038 | 4.782 | 65.465 | 0.608 | 4.009 | 22.699 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:24:27 | 0.000 | 0.000 | 34.375 | 4.688 | 59.375 | 56.250 | 5163.433 | 9698.604 | 446430.700 |
| 2 | 09:25:35 | 1.563 | 1.563 | 37.500 | 4.688 | 56.250 | 56.250 | 5168.122 | 9448.436 | 444698.210 |
| 3 | 09:26:43 | 1.563 | 1.563 | 32.813 | 9.375 | 67.188 | 73.438 | 5465.108 | 9761.146 | 445234.860 |
| x | | 1.042 | 1.042 | 34.896 | 6.250 | 60.938 | 61.979 | 5265.554 | 9636.062 | 445454.590 |
| σ | | 0.902 | 0.902 | 2.387 | 2.706 | 5.634 | 9.923 | 172.834 | 165.471 | 886.897 |
| %RSD | | 86.603 | 86.603 | 6.840 | 43.301 | 9.245 | 16.011 | 3.282 | 1.717 | 0.199 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:24:27 | 484836.930 | 45.313 | 139.063 | 375.005 | 317.191 | 768.771 | 422006.470 | 87592.716 |
| 2 | 09:25:35 | 481731.350 | 60.938 | 115.625 | 357.817 | 325.004 | 745.332 | 422859.260 | 89199.487 |
| 3 | 09:26:43 | 483371.310 | 65.625 | 120.313 | 350.004 | 300.003 | 726.581 | 424244.760 | 89363.005 |
| x | | 483313.200 | 57.292 | 125.001 | 360.942 | 314.066 | 746.895 | 423036.830 | 88718.403 |
| σ | | 1553.605 | 10.636 | 12.402 | 12.790 | 12.790 | 21.138 | 1129.660 | 978.296 |
| %RSD | | 0.321 | 18.564 | 9.922 | 3.543 | 4.072 | 2.830 | 0.267 | 1.103 |

**C1867-14 MF3TA8** 05/01/2011 09:31:14 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:32:22 | 16101.256 | 4.688 | 13795.721 | 568.761 | 122096340.000 | 12709418.000 | 1709418.700 | 2031316.600 | 814.086 |
| 2 | 09:33:30 | 16220.141 | 3.125 | 13964.635 | 659.390 | 119673650.000 | 12438600.000 | 1685097.100 | 2016709.800 | 785.959 |
| 3 | 09:34:38 | 15408.305 | 2.083 | 13187.334 | 645.327 | 117094690.000 | 12170887.000 | 1654462.000 | 1960537.100 | 709.393 |
| x | | 15909.901 | 3.299 | 13649.230 | 624.493 | 119621560.000 | 12439635.000 | 1682992.600 | 2002854.500 | 769.812 |
| σ | | 438.443 | 1.311 | 408.832 | 48.774 | 2501230.500 | 269266.840 | 27538.739 | 37368.616 | 54.182 |
| %RSD | | 2.756 | 39.736 | 2.995 | 7.810 | 2.091 | 2.165 | 1.636 | 1.866 | 7.038 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:32:22 | 1531115.100 | 834.399 | 266253.590 | 650273.740 | 2341734.700 | 158420.430 | 2713526.000 | 57187.674 | 109.375 |
| 2 | 09:33:30 | 1513756.300 | 889.090 | 261051.070 | 654461.760 | 2320684.100 | 155156.780 | 2651205.000 | 57550.062 | 112.500 |
| 3 | 09:34:38 | 1474726.300 | 795.335 | 253076.680 | 646090.190 | 2249708.900 | 150649.540 | 2613879.500 | 55953.112 | 118.750 |
| x | | 1506532.600 | 839.608 | 260127.110 | 650275.230 | 2304042.600 | 154742.250 | 2659536.800 | 56896.949 | 113.542 |
| σ | | 28880.098 | 47.094 | 6636.868 | 4185.784 | 48217.112 | 3901.991 | 50342.986 | 837.229 | 4.774 |
| %RSD | | 1.917 | 5.609 | 2.551 | 0.644 | 2.093 | 2.522 | 1.893 | 1.471 | 4.204 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:32:22 | 118835.970 | 2598.674 | 24935.806 | 2548.665 | 357.817 | 41170.177 | 13052.835 | 276.565 | 623.451 |
| 2 | 09:33:30 | 120205.170 | 2442.396 | 25676.179 | 2679.939 | 317.191 | 40961.766 | 12092.616 | 262.502 | 582.824 |
| 3 | 09:34:38 | 119940.460 | 2373.635 | 26299.185 | 2592.423 | 367.192 | 39115.979 | 11490.557 | 278.128 | 550.011 |
| x | | 119660.530 | 2471.568 | 25637.057 | 2607.009 | 347.400 | 40415.974 | 12212.003 | 272.398 | 585.429 |
| σ | | 726.253 | 115.321 | 682.531 | 66.841 | 26.578 | 1130.641 | 787.952 | 8.606 | 36.789 |
| %RSD | | 0.607 | 4.666 | 2.662 | 2.564 | 7.651 | 2.798 | 6.452 | 3.159 | 6.284 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:32:22 | 31265.426 | 15139.268 | 2054.835 | 2370.509 | 481.258 | 481.258 | 525.531 | 239.065 | 22.396 |
| 2 | 09:33:30 | 30753.379 | 14785.773 | 2081.402 | 2419.997 | 506.259 | 506.259 | 514.072 | 269.273 | 25.521 |
| 3 | 09:34:38 | 30294.588 | 14870.235 | 1972.011 | 2388.741 | 442.194 | 442.194 | 523.968 | 224.481 | 21.354 |
| x | | 30771.131 | 14931.759 | 2036.083 | 2393.082 | 476.570 | 476.570 | 521.190 | 244.273 | 23.090 |
| σ | | 485.663 | 184.604 | 57.055 | 25.028 | 32.289 | 32.289 | 6.214 | 22.846 | 2.168 |
| %RSD | | 1.578 | 1.236 | 2.802 | 1.046 | 6.775 | 6.775 | 1.192 | 9.353 | 9.391 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:32:22 | 354.692 | 646.890 | 710.955 | 431.257 | 1062.540 | 3.125 | 150599.020 | 117.188 | 23.438 |
| 2 | 09:33:30 | 368.755 | 618.763 | 678.141 | 420.319 | 1087.541 | 3.125 | 152617.140 | 90.625 | 29.688 |
| 3 | 09:34:38 | 373.442 | 667.203 | 670.328 | 418.756 | 1040.663 | 0.000 | 149425.850 | 103.125 | 29.688 |
| x | | 365.630 | 644.285 | 686.475 | 423.444 | 1063.581 | 2.083 | 150880.670 | 103.646 | 27.604 |
| σ | | 9.758 | 24.325 | 21.558 | 6.811 | 23.457 | 1.804 | 1614.178 | 13.289 | 3.608 |
| %RSD | | 2.669 | 3.775 | 3.140 | 1.608 | 2.205 | 86.603 | 1.070 | 12.822 | 13.072 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:32:22 | 3.125 | 3.125 | 32.813 | 6.250 | 868.776 | 159.376 | 4957.110 | 8607.280 | 434024.230 |
| 2 | 09:33:30 | 4.688 | 4.688 | 32.813 | 6.250 | 884.402 | 112.500 | 4750.790 | 8447.810 | 438893.080 |
| 3 | 09:34:38 | 3.125 | 3.125 | 43.750 | 4.688 | 884.402 | 106.250 | 4692.958 | 8260.200 | 435644.310 |
| x | | 3.646 | 3.646 | 36.458 | 5.729 | 879.194 | 126.042 | 4800.286 | 8438.430 | 436187.200 |
| σ | | 0.902 | 0.902 | 6.315 | 0.902 | 9.022 | 29.036 | 138.858 | 173.730 | 2479.411 |
| %RSD | | 24.744 | 24.744 | 17.321 | 15.746 | 1.026 | 23.037 | 2.893 | 2.059 | 0.568 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:32:22 | 470132.500 | 40.625 | 71.875 | 6131.003 | 5104.037 | 12788.534 | 406174.530 | 71582.016 |
| 2 | 09:33:30 | 472965.950 | 37.500 | 57.813 | 6016.892 | 4991.497 | 12638.401 | 417199.580 | 70974.308 |
| 3 | 09:34:38 | 470796.020 | 31.250 | 78.125 | 5948.113 | 5205.636 | 12306.861 | 410641.750 | 71998.162 |
| x | | 471298.160 | 36.458 | 69.271 | 6032.003 | 5100.390 | 12577.932 | 411338.620 | 71518.162 |
| σ | | 1481.965 | 4.774 | 10.404 | 92.377 | 107.116 | 246.464 | 5545.461 | 514.905 |
| %RSD | | 0.314 | 13.093 | 15.019 | 1.531 | 2.100 | 1.959 | 1.348 | 0.720 |

**C1867-15 MF3TA9** 05/01/2011 09:39:09 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:40:17 | 15638.242 | 1.042 | 12827.632 | 668.766 | 119225320.000 | 12544364.000 | 1690108.700 | 2014223.800 | 726.581 |
| 2 | 09:41:25 | 15475.565 | 6.250 | 13091.934 | 634.389 | 118595930.000 | 12510333.000 | 1684205.900 | 1982797.100 | 667.203 |
| 3 | 09:42:33 | 15725.838 | 2.604 | 13364.061 | 645.327 | 119079130.000 | 12472906.000 | 1685742.900 | 1999921.200 | 673.453 |
| x | | 15613.215 | 3.299 | 13094.542 | 649.494 | 118966790.000 | 12509201.000 | 1686685.800 | 1998980.700 | 689.079 |
| σ | | 127.000 | 2.673 | 268.224 | 17.563 | 329392.850 | 35742.445 | 3062.278 | 15734.428 | 32.628 |
| %RSD | | 0.813 | 81.025 | 2.048 | 2.704 | 0.277 | 0.286 | 0.182 | 0.787 | 4.735 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:40:17 | 1525884.900 | 826.586 | 251971.460 | 633850.380 | 2212390.000 | 152075.470 | 2596199.500 | 56511.554 | 107.813 |
| 2 | 09:41:25 | 1520434.600 | 810.961 | 250904.490 | 648057.610 | 2206679.400 | 150591.120 | 2590907.300 | 57554.769 | 89.063 |
| 3 | 09:42:33 | 1543264.600 | 798.460 | 251669.330 | 649195.050 | 2198082.500 | 151083.780 | 2605665.300 | 56983.736 | 106.250 |
| x | | 1529861.400 | 812.002 | 251515.090 | 643701.020 | 2205717.300 | 151250.120 | 2597590.700 | 57016.686 | 101.042 |
| σ | | 11923.146 | 14.092 | 549.954 | 8549.835 | 7202.134 | 756.027 | 7476.681 | 522.387 | 10.404 |
| %RSD | | 0.779 | 1.735 | 0.219 | 1.328 | 0.327 | 0.500 | 0.288 | 0.916 | 10.296 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:40:17 | 117885.960 | 2275.181 | 24671.285 | 2598.674 | 323.441 | 38913.866 | 11168.426 | 278.128 | 590.637 |
| 2 | 09:41:25 | 119420.500 | 2182.979 | 25466.429 | 2603.362 | 318.754 | 38672.587 | 11240.358 | 271.878 | 520.322 |
| 3 | 09:42:33 | 121456.310 | 2304.873 | 25987.679 | 2681.502 | 331.254 | 38078.807 | 10707.136 | 254.690 | 581.262 |
| x | | 119587.590 | 2254.345 | 25375.131 | 2627.846 | 324.483 | 38555.086 | 11038.640 | 268.232 | 564.074 |
| σ | | 1791.029 | 63.562 | 662.929 | 46.526 | 6.315 | 429.750 | 289.335 | 12.137 | 38.179 |
| %RSD | | 1.498 | 2.820 | 2.613 | 1.771 | 1.946 | 1.115 | 2.621 | 4.525 | 6.768 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:40:17 | 8785.513 | 4238.129 | 878.152 | 2377.281 | 459.382 | 459.382 | 500.009 | 253.127 | 19.792 |
| 2 | 09:41:25 | 8486.895 | 4258.447 | 957.845 | 2361.133 | 490.633 | 490.633 | 506.259 | 232.814 | 22.917 |
| 3 | 09:42:33 | 8783.950 | 4311.588 | 1007.848 | 2369.988 | 456.257 | 456.257 | 534.385 | 237.502 | 23.958 |
| x | | 8685.453 | 4269.388 | 947.948 | 2369.467 | 468.758 | 468.758 | 513.551 | 241.148 | 22.222 |
| σ | | 171.958 | 37.932 | 65.412 | 8.087 | 19.009 | 19.009 | 18.311 | 10.636 | 2.168 |
| %RSD | | 1.980 | 0.888 | 6.900 | 0.341 | 4.055 | 4.055 | 3.566 | 4.411 | 9.758 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:40:17 | 403.131 | 679.704 | 773.458 | 450.007 | 1192.237 | 1.563 | 152617.140 | 76.563 | 43.750 |
| 2 | 09:41:25 | 437.507 | 750.020 | 778.146 | 434.382 | 1110.981 | 3.125 | 151947.560 | 95.313 | 26.563 |
| 3 | 09:42:33 | 401.568 | 689.079 | 753.145 | 468.758 | 1145.358 | 3.125 | 152413.420 | 75.000 | 6.250 |
| x | | 414.069 | 706.267 | 768.250 | 451.049 | 1149.526 | 2.604 | 152326.040 | 82.292 | 25.521 |
| σ | | 20.313 | 38.179 | 13.290 | 17.212 | 40.788 | 0.902 | 343.236 | 11.303 | 18.772 |
| %RSD | | 4.906 | 5.406 | 1.730 | 3.816 | 3.548 | 34.641 | 0.225 | 13.736 | 73.554 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:40:17 | 3.125 | 3.125 | 43.750 | 4.688 | 254.690 | 79.688 | 4957.110 | 8879.321 | 444182.540 |
| 2 | 09:41:25 | 1.563 | 1.563 | 28.125 | 4.688 | 243.752 | 95.313 | 5038.388 | 8682.325 | 444097.130 |
| 3 | 09:42:33 | 4.688 | 4.688 | 7.813 | 3.125 | 239.065 | 85.938 | 4969.614 | 8932.479 | 447420.320 |
| x | | 3.125 | 3.125 | 26.563 | 4.167 | 245.835 | 86.979 | 4988.371 | 8831.375 | 445233.330 |
| σ | | 1.563 | 1.563 | 18.020 | 0.902 | 8.018 | 7.864 | 43.765 | 131.789 | 1894.472 |
| %RSD | | 50.000 | 50.000 | 67.839 | 21.651 | 3.262 | 9.042 | 0.877 | 1.492 | 0.426 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:40:17 | 482463.250 | 25.000 | 92.188 | 1789.175 | 1609.466 | 3800.506 | 420444.220 | 72693.860 |
| 2 | 09:41:25 | 481854.140 | 18.750 | 51.563 | 1715.728 | 1478.202 | 3686.413 | 425699.590 | 73775.948 |
| 3 | 09:42:33 | 484339.220 | 17.188 | 54.688 | 1787.612 | 1498.516 | 3719.234 | 423295.330 | 74518.851 |
| x | | 482885.540 | 20.313 | 66.146 | 1764.172 | 1528.728 | 3735.384 | 423146.380 | 73662.886 |
| σ | | 1295.240 | 4.134 | 22.607 | 41.961 | 70.655 | 58.736 | 2630.851 | 917.734 |
| %RSD | | 0.268 | 20.352 | 34.177 | 2.378 | 4.622 | 1.572 | 0.622 | 1.246 |

**C1867-11X25 MF3T88** 05/01/2011 09:47:04 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:48:13 | 17307.353 | 1.042 | 818.773 | 296.878 | 4319845.000 | 447205.480 | 58229.369 | 70705.794 | 634.389 |
| 2 | 09:49:21 | 17111.805 | 2.604 | 804.710 | 306.253 | 4338638.100 | 449130.050 | 58475.685 | 71118.774 | 632.827 |
| 3 | 09:50:29 | 16711.331 | 2.083 | 742.207 | 296.878 | 4402977.600 | 455334.860 | 59142.484 | 71698.222 | 557.823 |
| x | | 17043.496 | 1.910 | 788.563 | 300.003 | 4353820.200 | 450556.790 | 58615.846 | 71174.263 | 608.346 |
| σ | | 303.826 | 0.796 | 40.757 | 5.413 | 43596.207 | 4248.345 | 472.418 | 498.535 | 43.761 |
| %RSD | | 1.783 | 41.660 | 5.169 | 1.804 | 1.001 | 0.943 | 0.806 | 0.700 | 7.193 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:48:13 | 47867.561 | 987.534 | 25367.816 | 119686.780 | 219837.960 | 6273.252 | 102152.990 | 66168.510 | 7.813 |
| 2 | 09:49:21 | 46804.673 | 900.028 | 25831.145 | 117043.140 | 219611.080 | 5891.840 | 101710.790 | 65347.557 | 23.438 |
| 3 | 09:50:29 | 48181.113 | 987.534 | 25737.226 | 117629.170 | 222091.170 | 6431.135 | 104483.820 | 64132.695 | 14.063 |
| x | | 47617.783 | 958.366 | 25645.396 | 118119.700 | 220513.400 | 6198.742 | 102782.540 | 65216.254 | 15.104 |
| σ | | 721.414 | 50.521 | 244.935 | 1388.407 | 1371.084 | 277.261 | 1489.854 | 1024.239 | 7.864 |
| %RSD | | 1.515 | 5.272 | 0.955 | 1.175 | 0.622 | 4.473 | 1.450 | 1.571 | 52.068 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:48:13 | 20452.130 | 796.897 | 6820.378 | 3158.162 | 243.752 | 41524.324 | 1601.652 | 18.750 | 53.125 |
| 2 | 09:49:21 | 19870.059 | 746.895 | 6252.931 | 3167.539 | 235.939 | 41933.329 | 1595.402 | 7.813 | 37.500 |
| 3 | 09:50:29 | 19023.595 | 746.895 | 6371.733 | 3062.828 | 235.939 | 42055.562 | 1639.157 | 17.188 | 39.063 |
| x | | 19781.928 | 763.562 | 6481.681 | 3129.510 | 238.544 | 41837.739 | 1612.070 | 14.583 | 43.229 |
| σ | | 718.333 | 28.869 | 299.275 | 57.938 | 4.511 | 278.220 | 23.665 | 5.916 | 8.606 |
| %RSD | | 3.631 | 3.781 | 4.617 | 1.851 | 1.891 | 0.665 | 1.468 | 40.564 | 19.907 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:48:13 | 246.877 | 112.500 | 167.188 | 229.169 | 73.438 | 73.438 | 166.147 | 30.208 | 27.604 |
| 2 | 09:49:21 | 275.003 | 109.375 | 140.626 | 223.439 | 51.563 | 51.563 | 154.168 | 26.042 | 22.917 |
| 3 | 09:50:29 | 254.690 | 129.688 | 143.751 | 220.835 | 64.063 | 64.063 | 181.251 | 32.292 | 31.771 |
| x | | 258.857 | 117.188 | 150.522 | 224.481 | 63.021 | 63.021 | 167.188 | 29.514 | 27.431 |
| σ | | 14.518 | 10.938 | 14.518 | 4.263 | 10.975 | 10.975 | 13.572 | 3.182 | 4.430 |
| %RSD | | 5.609 | 9.333 | 9.645 | 1.899 | 17.414 | 17.414 | 8.118 | 10.783 | 16.149 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:48:13 | 28.125 | 31.250 | 40.625 | 25.000 | 48.438 | 1.563 | 187174.470 | 96.875 | 3.125 |
| 2 | 09:49:21 | 39.063 | 25.000 | 28.125 | 40.625 | 53.125 | 4.688 | 185635.840 | 120.313 | 9.375 |
| 3 | 09:50:29 | 28.125 | 26.563 | 40.625 | 26.563 | 59.375 | 0.000 | 180698.130 | 118.750 | 3.125 |
| x | | 31.771 | 27.604 | 36.458 | 30.729 | 53.646 | 2.083 | 184502.810 | 111.980 | 5.208 |
| σ | | 6.315 | 3.253 | 7.217 | 8.606 | 5.487 | 2.387 | 3383.570 | 13.104 | 3.608 |
| %RSD | | 19.876 | 11.783 | 19.795 | 28.005 | 10.229 | 114.564 | 1.834 | 11.702 | 69.282 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:48:13 | 0.000 | 0.000 | 12.500 | 1.563 | 51.563 | 15.625 | 293.753 | 479.696 | 488919.470 |
| 2 | 09:49:21 | 0.000 | 0.000 | 1.563 | 3.125 | 59.375 | 18.750 | 285.940 | 559.386 | 485502.730 |
| 3 | 09:50:29 | 1.563 | 1.563 | 4.688 | 1.563 | 60.938 | 25.000 | 271.878 | 507.822 | 480509.980 |
| x | | 0.521 | 0.521 | 6.250 | 2.083 | 57.292 | 19.792 | 283.857 | 515.634 | 484977.390 |
| σ | | 0.902 | 0.902 | 5.634 | 0.902 | 5.023 | 4.774 | 11.086 | 40.416 | 4229.283 |
| %RSD | | 173.205 | 173.205 | 90.139 | 43.301 | 8.767 | 24.119 | 3.905 | 7.838 | 0.872 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:48:13 | 528824.110 | 12.500 | 45.313 | 85.938 | 89.063 | 259.377 | 480353.280 | 3647.341 |
| 2 | 09:49:21 | 530639.610 | 10.938 | 37.500 | 121.876 | 106.250 | 257.815 | 489536.960 | 3712.983 |
| 3 | 09:50:29 | 518216.110 | 18.750 | 48.438 | 106.250 | 106.250 | 235.939 | 467858.070 | 3958.361 |
| x | | 525893.280 | 14.063 | 43.750 | 104.688 | 100.521 | 251.044 | 479249.440 | 3772.895 |
| σ | | 6710.303 | 4.134 | 5.634 | 18.020 | 9.923 | 13.104 | 10881.516 | 163.938 |
| %RSD | | 1.276 | 29.397 | 12.877 | 17.213 | 9.872 | 5.220 | 2.271 | 4.345 |

**C1867-12X25 MF3T89** 05/01/2011 09:55:00 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:56:08 | 16828.656 | 3.125 | 625.014 | 323.441 | 4364275.000 | 392776.060 | 51737.267 | 62401.617 | 495.321 |
| 2 | 09:57:16 | 17146.221 | 0.521 | 660.953 | 270.315 | 4377218.400 | 391195.350 | 51092.766 | 61445.925 | 454.695 |
| 3 | 09:58:24 | 17194.717 | 1.042 | 682.829 | 292.190 | 4373275.200 | 395267.740 | 52171.655 | 62731.180 | 465.633 |
| x | | 17056.531 | 1.563 | 656.265 | 295.316 | 4371589.500 | 393079.710 | 51667.229 | 62192.907 | 471.883 |
| σ | | 198.830 | 1.378 | 29.191 | 26.701 | 6634.281 | 2053.107 | 542.844 | 667.563 | 21.022 |
| %RSD | | 1.166 | 88.192 | 4.448 | 9.041 | 0.152 | 0.522 | 1.051 | 1.073 | 4.455 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:56:08 | 44418.949 | 960.970 | 25161.201 | 109763.820 | 199426.080 | 5526.069 | 91223.144 | 63884.713 | 9.375 |
| 2 | 09:57:16 | 44512.991 | 954.719 | 25173.723 | 109987.400 | 198732.130 | 5388.516 | 90521.829 | 64962.997 | 18.750 |
| 3 | 09:58:24 | 45080.391 | 868.776 | 25079.808 | 108916.750 | 199874.470 | 5430.720 | 91536.073 | 65033.629 | 15.625 |
| x | | 44670.777 | 928.155 | 25138.244 | 109555.990 | 199344.230 | 5448.435 | 91093.682 | 64627.113 | 14.583 |
| σ | | 357.839 | 51.518 | 50.993 | 564.775 | 575.549 | 70.467 | 519.368 | 643.907 | 4.774 |
| %RSD | | 0.801 | 5.551 | 0.203 | 0.516 | 0.289 | 1.293 | 0.570 | 0.996 | 32.733 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:56:08 | 16453.219 | 1064.102 | 5329.119 | 2978.436 | 217.189 | 41110.630 | 1557.897 | 12.500 | 50.000 |
| 2 | 09:57:16 | 15998.015 | 1098.480 | 5238.460 | 3058.140 | 223.439 | 40646.806 | 1575.087 | 15.625 | 29.688 |
| 3 | 09:58:24 | 15821.256 | 1090.667 | 5022.758 | 3005.004 | 185.939 | 40175.162 | 1534.457 | 21.875 | 42.188 |
| x | | 16090.830 | 1084.416 | 5196.779 | 3013.860 | 208.856 | 40644.200 | 1555.814 | 16.667 | 40.625 |
| σ | | 326.045 | 18.021 | 157.376 | 40.583 | 20.091 | 467.740 | 20.395 | 4.774 | 10.246 |
| %RSD | | 2.026 | 1.662 | 3.028 | 1.347 | 9.620 | 1.151 | 1.311 | 28.641 | 25.221 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:56:08 | 64.063 | 40.625 | 84.375 | 190.105 | 60.938 | 60.938 | 165.626 | 25.000 | 24.479 |
| 2 | 09:57:16 | 79.688 | 39.063 | 101.563 | 196.356 | 51.563 | 51.563 | 166.668 | 29.167 | 19.271 |
| 3 | 09:58:24 | 75.000 | 42.188 | 114.063 | 180.730 | 48.438 | 48.438 | 154.168 | 24.479 | 20.833 |
| x | | 72.917 | 40.625 | 100.000 | 189.064 | 53.646 | 53.646 | 162.154 | 26.215 | 21.528 |
| σ | | 8.018 | 1.563 | 14.905 | 7.865 | 6.505 | 6.505 | 6.936 | 2.569 | 2.673 |
| %RSD | | 10.996 | 3.846 | 14.905 | 4.160 | 12.126 | 12.126 | 4.277 | 9.800 | 12.415 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:56:08 | 15.625 | 34.375 | 35.938 | 31.250 | 53.125 | 1.563 | 180612.690 | 146.876 | 10.938 |
| 2 | 09:57:16 | 14.063 | 39.063 | 23.438 | 17.188 | 51.563 | 4.688 | 182549.570 | 120.313 | 6.250 |
| 3 | 09:58:24 | 25.000 | 20.313 | 35.938 | 26.563 | 59.375 | 0.000 | 183269.640 | 123.438 | 7.813 |
| x | | 18.229 | 31.250 | 31.771 | 25.000 | 54.688 | 2.083 | 182143.970 | 130.209 | 8.333 |
| σ | | 5.916 | 9.758 | 7.217 | 7.160 | 4.134 | 2.387 | 1374.133 | 14.518 | 2.387 |
| %RSD | | 32.451 | 31.225 | 22.715 | 28.641 | 7.559 | 114.564 | 0.754 | 11.150 | 28.641 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:56:08 | 3.125 | 3.125 | 3.125 | 0.000 | 39.063 | 18.750 | 229.689 | 392.193 | 476801.280 |
| 2 | 09:57:16 | 1.563 | 1.563 | 9.375 | 0.000 | 64.063 | 15.625 | 217.189 | 451.570 | 482321.070 |
| 3 | 09:58:24 | 0.000 | 0.000 | 3.125 | 3.125 | 59.375 | 18.750 | 234.377 | 401.568 | 484463.650 |
| x | | 1.563 | 1.563 | 5.208 | 1.042 | 54.167 | 17.708 | 227.085 | 415.110 | 481195.330 |
| σ | | 1.563 | 1.563 | 3.608 | 1.804 | 13.289 | 1.804 | 8.885 | 31.921 | 3953.283 |
| %RSD | | 100.000 | 100.000 | 69.282 | 173.205 | 24.533 | 10.189 | 3.913 | 7.690 | 0.822 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:56:08 | 514442.710 | 17.188 | 62.500 | 45.313 | 46.875 | 139.063 | 466092.360 | 3791.128 |
| 2 | 09:57:16 | 525397.990 | 15.625 | 43.750 | 65.625 | 54.688 | 125.001 | 476329.680 | 3722.360 |
| 3 | 09:58:24 | 523430.840 | 15.625 | 53.125 | 48.438 | 46.875 | 115.625 | 481122.270 | 3661.407 |
| x | | 521090.510 | 16.146 | 53.125 | 53.125 | 49.479 | 126.563 | 474514.770 | 3724.965 |
| σ | | 5840.578 | 0.902 | 9.375 | 10.938 | 4.511 | 11.797 | 7677.561 | 64.900 |
| %RSD | | 1.121 | 5.587 | 17.647 | 20.588 | 9.116 | 9.321 | 1.618 | 1.742 |

**C1867-13X25 MF3T90** 05/01/2011 10:02:56 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:04:04 | 16500.148 | 2.604 | 573.449 | 295.316 | 4314997.000 | 388662.610 | 50548.648 | 61722.112 | 528.135 |
| 2 | 10:05:12 | 16487.634 | 0.521 | 609.388 | 284.378 | 4367578.400 | 390458.880 | 51661.995 | 62059.506 | 593.762 |
| 3 | 10:06:20 | 16931.903 | 3.646 | 567.199 | 281.253 | 4348665.500 | 395052.190 | 51541.248 | 62111.293 | 606.263 |
| x | | 16639.895 | 2.257 | 583.345 | 286.982 | 4343747.000 | 391391.230 | 51250.630 | 61964.304 | 576.053 |
| σ | | 252.964 | 1.591 | 22.769 | 7.384 | 26633.524 | 3295.241 | 610.925 | 211.337 | 41.967 |
| %RSD | | 1.520 | 70.501 | 3.903 | 2.573 | 0.613 | 0.842 | 1.192 | 0.341 | 7.285 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:04:04 | 44469.105 | 845.338 | 24747.980 | 106133.420 | 198754.310 | 5407.273 | 90221.500 | 63674.402 | 15.625 |
| 2 | 10:05:12 | 44967.537 | 984.409 | 24572.678 | 106684.370 | 197741.970 | 5512.001 | 91891.469 | 62513.040 | 14.063 |
| 3 | 10:06:20 | 44901.705 | 889.090 | 24603.982 | 109134.020 | 198920.670 | 5526.069 | 91743.648 | 64123.278 | 7.813 |
| x | | 44779.449 | 906.279 | 24641.547 | 107317.270 | 198472.320 | 5481.781 | 91285.539 | 63436.907 | 12.500 |
| σ | | 270.774 | 71.111 | 93.494 | 1597.288 | 637.943 | 64.908 | 924.444 | 830.975 | 4.134 |
| %RSD | | 0.605 | 7.847 | 0.379 | 1.488 | 0.321 | 1.184 | 1.013 | 1.310 | 33.072 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:04:04 | 14186.728 | 1059.414 | 4675.765 | 3064.391 | 204.689 | 39620.491 | 1459.450 | 21.875 | 29.688 |
| 2 | 10:05:12 | 13914.586 | 979.721 | 4622.623 | 3037.823 | 179.689 | 39701.967 | 1421.946 | 15.625 | 29.688 |
| 3 | 10:06:20 | 13759.748 | 968.783 | 4439.752 | 3189.419 | 220.314 | 39833.583 | 1471.951 | 17.188 | 35.938 |
| x | | 13953.687 | 1002.639 | 4579.380 | 3097.211 | 201.564 | 39718.680 | 1451.115 | 18.229 | 31.771 |
| σ | | 216.159 | 49.472 | 123.806 | 80.952 | 20.492 | 107.524 | 26.023 | 3.253 | 3.608 |
| %RSD | | 1.549 | 4.934 | 2.704 | 2.614 | 10.167 | 0.271 | 1.793 | 17.843 | 11.358 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:04:04 | 75.000 | 46.875 | 112.500 | 173.959 | 76.563 | 76.563 | 175.001 | 26.042 | 23.958 |
| 2 | 10:05:12 | 90.625 | 53.125 | 96.875 | 161.459 | 34.375 | 34.375 | 175.522 | 25.521 | 22.396 |
| 3 | 10:06:20 | 75.000 | 32.813 | 103.125 | 150.522 | 65.625 | 65.625 | 181.251 | 24.479 | 26.563 |
| x | | 80.209 | 44.271 | 104.167 | 161.980 | 58.854 | 58.854 | 177.258 | 25.347 | 24.306 |
| σ | | 9.021 | 10.404 | 7.864 | 11.728 | 21.894 | 21.894 | 3.468 | 0.796 | 2.105 |
| %RSD | | 11.247 | 23.500 | 7.550 | 7.240 | 37.200 | 37.200 | 1.956 | 3.139 | 8.660 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:04:04 | 26.563 | 18.750 | 35.938 | 28.125 | 59.375 | 3.125 | 180864.280 | 114.063 | 12.500 |
| 2 | 10:05:12 | 34.375 | 34.375 | 42.188 | 21.875 | 53.125 | 0.000 | 178155.560 | 107.813 | 12.500 |
| 3 | 10:06:20 | 25.000 | 23.438 | 28.125 | 25.000 | 68.750 | 1.563 | 181519.380 | 140.626 | 4.688 |
| x | | 28.646 | 25.521 | 35.417 | 25.000 | 60.417 | 1.563 | 180179.740 | 120.834 | 9.896 |
| σ | | 5.023 | 8.018 | 7.046 | 3.125 | 7.864 | 1.563 | 1783.332 | 17.423 | 4.511 |
| %RSD | | 17.534 | 31.418 | 19.894 | 12.500 | 13.017 | 100.000 | 0.990 | 14.419 | 45.580 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:04:04 | 1.563 | 1.563 | 9.375 | 0.000 | 48.438 | 18.750 | 259.377 | 409.381 | 480682.840 |
| 2 | 10:05:12 | 1.563 | 1.563 | 4.688 | 1.563 | 60.938 | 18.750 | 246.877 | 460.945 | 473426.140 |
| 3 | 10:06:20 | 0.000 | 0.000 | 10.938 | 1.563 | 54.688 | 12.500 | 237.502 | 460.945 | 481364.610 |
| x | | 1.042 | 1.042 | 8.333 | 1.042 | 54.688 | 16.667 | 247.919 | 443.757 | 478491.200 |
| σ | | 0.902 | 0.902 | 3.253 | 0.902 | 6.250 | 3.608 | 10.975 | 29.771 | 4399.694 |
| %RSD | | 86.603 | 86.603 | 39.031 | 86.603 | 11.429 | 21.651 | 4.427 | 6.709 | 0.919 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:04:04 | 521583.850 | 20.313 | 53.125 | 32.813 | 50.000 | 87.500 | 475888.780 | 3784.876 |
| 2 | 10:05:12 | 511084.730 | 20.313 | 51.563 | 45.313 | 56.250 | 109.375 | 466952.600 | 3831.764 |
| 3 | 10:06:20 | 522585.080 | 26.563 | 62.500 | 62.500 | 39.063 | 114.063 | 472324.950 | 3811.446 |
| x | | 518417.890 | 22.396 | 55.729 | 46.875 | 48.438 | 103.646 | 471722.110 | 3809.362 |
| σ | | 6370.401 | 3.608 | 5.916 | 14.905 | 8.700 | 14.178 | 4498.490 | 23.513 |
| %RSD | | 1.229 | 16.112 | 10.615 | 31.798 | 17.961 | 13.679 | 0.954 | 0.617 |

**C1867-14X25 MF3TA8** 05/01/2011 10:10:52 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:12:00 | 16443.834 | 1.563 | 754.707 | 284.378 | 5719457.100 | 592223.130 | 77476.712 | 93163.732 | 678.141 |
| 2 | 10:13:08 | 16747.311 | 2.604 | 732.831 | 340.629 | 5725398.600 | 590534.640 | 77482.996 | 94412.515 | 642.202 |
| 3 | 10:14:16 | 16365.619 | 1.042 | 751.582 | 306.253 | 5652739.500 | 589251.590 | 77340.037 | 92847.622 | 673.453 |
| x | | 16518.921 | 1.736 | 746.374 | 310.420 | 5699198.400 | 590669.790 | 77433.248 | 93474.623 | 664.599 |
| σ | | 201.620 | 0.796 | 11.832 | 28.356 | 40344.125 | 1490.371 | 80.785 | 827.474 | 19.537 |
| %RSD | | 1.221 | 45.826 | 1.585 | 9.135 | 0.708 | 0.252 | 0.104 | 0.885 | 2.940 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:12:00 | 70671.249 | 968.783 | 28226.295 | 106690.670 | 200584.310 | 7225.264 | 118309.760 | 62635.449 | 20.313 |
| 2 | 10:13:08 | 71186.296 | 889.090 | 27684.612 | 108258.650 | 202470.010 | 7203.378 | 118568.140 | 61536.940 | 15.625 |
| 3 | 10:14:16 | 71267.952 | 904.716 | 27559.370 | 108343.670 | 202267.170 | 7209.631 | 118319.210 | 61654.634 | 15.625 |
| x | | 71041.832 | 920.863 | 27823.426 | 107764.330 | 201773.830 | 7212.758 | 118399.030 | 61942.341 | 17.188 |
| σ | | 323.521 | 42.229 | 354.470 | 930.787 | 1035.133 | 11.273 | 146.523 | 603.127 | 2.706 |
| %RSD | | 0.455 | 4.586 | 1.274 | 0.864 | 0.513 | 0.156 | 0.124 | 0.974 | 15.746 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:12:00 | 14161.703 | 459.382 | 4144.351 | 2995.627 | 207.814 | 39932.295 | 1632.906 | 14.063 | 54.688 |
| 2 | 10:13:08 | 14333.750 | 476.570 | 4280.329 | 2983.124 | 223.439 | 40653.074 | 1662.597 | 23.438 | 62.500 |
| 3 | 10:14:16 | 14299.340 | 482.821 | 4302.210 | 2853.410 | 245.315 | 39615.791 | 1717.291 | 17.188 | 51.563 |
| x | | 14264.931 | 472.925 | 4242.297 | 2944.054 | 225.523 | 40067.053 | 1670.931 | 18.229 | 56.250 |
| σ | | 91.038 | 12.137 | 85.526 | 78.748 | 18.837 | 531.610 | 42.805 | 4.774 | 5.634 |
| %RSD | | 0.638 | 2.566 | 2.016 | 2.675 | 8.353 | 1.327 | 2.562 | 26.186 | 10.015 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:12:00 | 1523.519 | 743.769 | 182.814 | 196.876 | 40.625 | 40.625 | 166.147 | 28.646 | 21.354 |
| 2 | 10:13:08 | 1550.084 | 748.457 | 159.376 | 187.501 | 45.313 | 45.313 | 180.730 | 28.125 | 20.833 |
| 3 | 10:14:16 | 1507.892 | 859.401 | 181.251 | 190.105 | 31.250 | 31.250 | 165.626 | 31.250 | 27.604 |
| x | | 1527.165 | 783.876 | 174.480 | 191.494 | 39.063 | 39.063 | 170.834 | 29.340 | 23.264 |
| σ | | 21.331 | 65.449 | 13.104 | 4.839 | 7.160 | 7.160 | 8.574 | 1.674 | 3.768 |
| %RSD | | 1.397 | 8.349 | 7.510 | 2.527 | 18.330 | 18.330 | 5.019 | 5.706 | 16.196 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:12:00 | 29.688 | 34.375 | 46.875 | 35.938 | 50.000 | 0.000 | 173951.090 | 120.313 | 4.688 |
| 2 | 10:13:08 | 20.313 | 32.813 | 46.875 | 23.438 | 67.188 | 3.125 | 175009.210 | 112.500 | 14.063 |
| 3 | 10:14:16 | 29.688 | 48.438 | 39.063 | 25.000 | 56.250 | 3.125 | 174564.760 | 117.188 | 9.375 |
| x | | 26.563 | 38.542 | 44.271 | 28.125 | 57.813 | 2.083 | 174508.360 | 116.667 | 9.375 |
| σ | | 5.413 | 8.606 | 4.511 | 6.811 | 8.700 | 1.804 | 531.310 | 3.932 | 4.688 |
| %RSD | | 20.377 | 22.328 | 10.189 | 24.216 | 15.048 | 86.603 | 0.304 | 3.370 | 50.000 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:12:00 | 0.000 | 0.000 | 4.688 | 3.125 | 85.938 | 20.313 | 260.940 | 400.006 | 469393.150 |
| 2 | 10:13:08 | 1.563 | 1.563 | 6.250 | 1.563 | 89.063 | 21.875 | 262.502 | 418.756 | 467268.940 |
| 3 | 10:14:16 | 3.125 | 3.125 | 1.563 | 1.563 | 89.063 | 7.813 | 239.065 | 468.758 | 465421.000 |
| x | | 1.563 | 1.563 | 4.167 | 2.083 | 88.021 | 16.667 | 254.169 | 429.173 | 467361.030 |
| σ | | 1.563 | 1.563 | 2.387 | 0.902 | 1.804 | 7.708 | 13.104 | 35.540 | 1987.678 |
| %RSD | | 100.000 | 100.000 | 57.282 | 43.301 | 2.050 | 46.246 | 5.156 | 8.281 | 0.425 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:12:00 | 502710.950 | 18.750 | 64.063 | 326.566 | 254.690 | 625.014 | 457123.500 | 3095.648 |
| 2 | 10:13:08 | 501324.420 | 20.313 | 60.938 | 320.316 | 275.003 | 685.954 | 460552.920 | 3053.451 |
| 3 | 10:14:16 | 505858.240 | 28.125 | 50.000 | 293.753 | 268.753 | 634.389 | 460239.950 | 2975.310 |
| x | | 503297.870 | 22.396 | 58.333 | 313.545 | 266.148 | 648.452 | 459305.450 | 3041.470 |
| σ | | 2323.195 | 5.023 | 7.384 | 17.423 | 10.404 | 32.814 | 1896.101 | 61.057 |
| %RSD | | 0.462 | 22.427 | 12.658 | 5.557 | 3.909 | 5.060 | 0.413 | 2.007 |

**C1867-15X25 MF3TA9** 05/01/2011 10:18:49 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:19:57 | 17409.039 | 4.167 | 828.149 | 254.690 | 5772267.900 | 597586.270 | 79673.118 | 96598.934 | 610.951 |
| 2 | 10:21:05 | 17038.280 | 2.604 | 785.959 | 290.628 | 5885890.500 | 607168.060 | 79277.174 | 95384.565 | 560.949 |
| 3 | 10:22:13 | 17313.610 | 3.125 | 784.397 | 267.190 | 5802485.200 | 604650.720 | 78658.142 | 95736.911 | 603.138 |
| x | | 17253.643 | 3.299 | 799.502 | 270.836 | 5820214.500 | 603135.020 | 79202.811 | 95906.804 | 591.679 |
| σ | | 192.517 | 0.796 | 24.822 | 18.244 | 58849.559 | 4967.466 | 511.558 | 624.756 | 26.898 |
| %RSD | | 1.116 | 24.119 | 3.105 | 6.736 | 1.011 | 0.824 | 0.646 | 0.651 | 4.546 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:19:57 | 73230.967 | 981.284 | 28000.852 | 103530.040 | 195196.380 | 7001.715 | 115316.680 | 63624.179 | 14.063 |
| 2 | 10:21:05 | 73840.342 | 964.095 | 28030.598 | 104184.780 | 194656.280 | 7040.797 | 115926.270 | 64432.477 | 20.313 |
| 3 | 10:22:13 | 75257.081 | 954.719 | 28029.032 | 105110.270 | 194125.690 | 7248.714 | 118084.470 | 64361.847 | 28.125 |
| x | | 74109.463 | 966.699 | 28020.161 | 104275.030 | 194659.450 | 7097.075 | 116442.470 | 64139.501 | 20.833 |
| σ | | 1039.521 | 13.472 | 16.740 | 793.970 | 535.353 | 132.768 | 1454.306 | 447.677 | 7.046 |
| %RSD | | 1.403 | 1.394 | 0.060 | 0.761 | 0.275 | 1.871 | 1.249 | 0.698 | 33.819 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:19:57 | 13536.097 | 457.820 | 3845.830 | 2890.918 | 182.814 | 40070.180 | 1671.973 | 14.063 | 56.250 |
| 2 | 10:21:05 | 13573.633 | 396.881 | 3802.068 | 2928.425 | 160.938 | 40143.824 | 1825.117 | 15.625 | 45.313 |
| 3 | 10:22:13 | 13088.806 | 432.819 | 3841.141 | 2933.114 | 154.688 | 39739.571 | 1698.539 | 21.875 | 43.750 |
| x | | 13399.512 | 429.173 | 3829.680 | 2917.485 | 166.147 | 39984.525 | 1731.876 | 17.188 | 48.438 |
| σ | | 269.733 | 30.633 | 24.027 | 23.128 | 14.768 | 215.308 | 81.834 | 4.134 | 6.811 |
| %RSD | | 2.013 | 7.138 | 0.627 | 0.793 | 8.889 | 0.538 | 4.725 | 24.052 | 14.061 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:19:57 | 495.321 | 220.314 | 100.000 | 191.668 | 43.750 | 43.750 | 160.938 | 34.375 | 25.521 |
| 2 | 10:21:05 | 520.322 | 212.502 | 123.438 | 180.209 | 32.813 | 32.813 | 144.792 | 27.604 | 19.792 |
| 3 | 10:22:13 | 489.071 | 190.626 | 93.750 | 171.876 | 34.375 | 34.375 | 185.418 | 38.021 | 27.604 |
| x | | 501.571 | 207.814 | 105.730 | 181.251 | 36.979 | 36.979 | 163.716 | 33.333 | 24.306 |
| σ | | 16.537 | 15.389 | 15.651 | 9.937 | 5.916 | 5.916 | 20.455 | 5.286 | 4.046 |
| %RSD | | 3.297 | 7.405 | 14.803 | 5.482 | 15.997 | 15.997 | 12.494 | 15.858 | 16.645 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:19:57 | 29.688 | 25.000 | 42.188 | 20.313 | 51.563 | 1.563 | 178840.600 | 162.501 | 6.250 |
| 2 | 10:21:05 | 26.563 | 35.938 | 43.750 | 25.000 | 50.000 | 3.125 | 178027.410 | 131.251 | 6.250 |
| 3 | 10:22:13 | 17.188 | 37.500 | 43.750 | 28.125 | 45.313 | 3.125 | 178476.720 | 134.376 | 9.375 |
| x | | 24.479 | 32.813 | 43.229 | 24.479 | 48.958 | 2.604 | 178448.240 | 142.709 | 7.292 |
| σ | | 6.505 | 6.811 | 0.902 | 3.932 | 3.253 | 0.902 | 407.341 | 17.211 | 1.804 |
| %RSD | | 26.574 | 20.757 | 2.087 | 16.063 | 6.644 | 34.641 | 0.228 | 12.060 | 24.744 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:19:57 | 0.000 | 0.000 | 1.563 | 0.000 | 43.750 | 12.500 | 226.564 | 409.381 | 472047.240 |
| 2 | 10:21:05 | 0.000 | 0.000 | 4.688 | 1.563 | 51.563 | 23.438 | 253.127 | 404.693 | 471446.640 |
| 3 | 10:22:13 | 0.000 | 0.000 | 3.125 | 1.563 | 62.500 | 10.938 | 229.689 | 398.443 | 471877.720 |
| x | | 0.000 | 0.000 | 3.125 | 1.042 | 52.604 | 15.625 | 236.460 | 404.172 | 471790.530 |
| σ | | 0.000 | 0.000 | 1.563 | 0.902 | 9.418 | 6.811 | 14.518 | 5.487 | 309.647 |
| %RSD | | 0.000 | 0.000 | 50.000 | 86.603 | 17.904 | 43.589 | 6.140 | 1.358 | 0.066 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:19:57 | 509098.470 | 29.688 | 48.438 | 95.313 | 79.688 | 234.377 | 462634.200 | 3040.949 |
| 2 | 10:21:05 | 509569.520 | 34.375 | 51.563 | 103.125 | 79.688 | 206.251 | 464633.480 | 2979.998 |
| 3 | 10:22:13 | 507743.700 | 28.125 | 59.375 | 107.813 | 64.063 | 225.002 | 464812.600 | 3064.391 |
| x | | 508803.900 | 30.729 | 53.125 | 102.084 | 74.479 | 221.877 | 464026.760 | 3028.446 |
| σ | | 947.882 | 3.253 | 5.634 | 6.315 | 9.021 | 14.321 | 1209.313 | 43.563 |
| %RSD | | 0.186 | 10.585 | 10.605 | 6.186 | 12.112 | 6.454 | 0.261 | 1.438 |

**CCV** 05/01/2011 10:26:44 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:27:52 | 14984.417 | 25947.502 | 4996.186 | 315.628 | 20410399.000 | 13812671.000 | 1874746.100 | 2232644.900 | 3133192.900 |
| 2 | 10:29:00 | 15297.248 | 25546.258 | 5111.852 | 373.442 | 20229060.000 | 13806731.000 | 1870692.900 | 2222141.600 | 3181671.300 |
| 3 | 10:30:07 | 15369.200 | 25672.004 | 5130.609 | 339.067 | 20283469.000 | 13810285.000 | 1870687.800 | 2228029.100 | 3170094.800 |
| x | | 15216.955 | 25721.921 | 5079.549 | 342.712 | 20307643.000 | 13809896.000 | 1872042.300 | 2227605.200 | 3161653.000 |
| σ | | 204.572 | 205.226 | 72.801 | 29.079 | 93055.218 | 2989.316 | 2341.591 | 5264.461 | 25317.738 |
| %RSD | | 1.344 | 0.798 | 1.433 | 8.485 | 0.458 | 0.022 | 0.125 | 0.236 | 0.801 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:27:52 | 29205.056 | 156992.290 | 16165.391 | 73780.660 | 9377259.100 | 47557.385 | 714751.890 | 57085.705 | 23236.069 |
| 2 | 10:29:00 | 29594.921 | 156862.750 | 15675.783 | 74110.485 | 9330867.800 | 47174.989 | 709729.290 | 56927.262 | 23015.400 |
| 3 | 10:30:07 | 29542.236 | 157728.460 | 15783.715 | 74550.265 | 9330670.900 | 48287.674 | 712335.570 | 56817.451 | 23195.378 |
| x | | 29447.405 | 157194.500 | 15874.963 | 74147.137 | 9346265.900 | 47673.349 | 712272.250 | 56943.473 | 23148.949 |
| σ | | 211.526 | 466.934 | 257.242 | 386.109 | 26841.024 | 565.334 | 2511.898 | 134.860 | 117.433 |
| %RSD | | 0.718 | 0.297 | 1.620 | 0.521 | 0.287 | 1.186 | 0.353 | 0.237 | 0.507 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:27:52 | 364657.990 | 342123.220 | 43939.345 | 1293498.500 | 968020.910 | 22130316.000 | 544457.140 | 415904.820 | 88602.037 |
| 2 | 10:29:00 | 359914.950 | 342387.240 | 44118.019 | 1286637.200 | 966195.530 | 21676514.000 | 539495.260 | 410828.250 | 89781.240 |
| 3 | 10:30:07 | 362178.920 | 339939.180 | 43912.700 | 1293006.900 | 962111.360 | 21795596.000 | 539242.700 | 411849.210 | 89598.850 |
| x | | 362250.620 | 341483.210 | 43990.021 | 1291047.500 | 965442.600 | 21867476.000 | 541065.040 | 412860.760 | 89327.376 |
| σ | | 2372.330 | 1343.670 | 111.647 | 3827.336 | 3025.868 | 235285.030 | 2940.363 | 2685.208 | 634.747 |
| %RSD | | 0.655 | 0.393 | 0.254 | 0.296 | 0.313 | 1.076 | 0.543 | 0.650 | 0.711 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:27:52 | 451537.490 | 215200.970 | 166548.020 | 65325.582 | 4222.499 | 4222.499 | 13852.546 | 5891.840 | 22.396 |
| 2 | 10:29:00 | 448081.180 | 215922.680 | 166119.640 | 65027.874 | 4236.566 | 4236.566 | 13910.415 | 5890.798 | 21.875 |
| 3 | 10:30:07 | 447924.830 | 216355.720 | 166105.420 | 65493.536 | 4328.781 | 4328.781 | 13913.543 | 5956.450 | 22.396 |
| x | | 449181.170 | 215826.460 | 166257.690 | 65282.331 | 4262.615 | 4262.615 | 13892.168 | 5913.029 | 22.222 |
| σ | | 2042.134 | 583.356 | 251.534 | 235.825 | 57.731 | 57.731 | 34.349 | 37.607 | 0.301 |
| %RSD | | 0.455 | 0.270 | 0.151 | 0.361 | 1.354 | 1.354 | 0.247 | 0.636 | 1.353 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:27:52 | 130783.420 | 138515.160 | 158444.130 | 87198.126 | 228419.470 | 6.250 | 159873.990 | 10098.881 | 430736.300 |
| 2 | 10:29:00 | 132585.860 | 139076.830 | 159132.970 | 87709.052 | 231477.480 | 4.688 | 160856.800 | 10205.206 | 430877.980 |
| 3 | 10:30:07 | 132014.990 | 139769.480 | 160861.540 | 89509.228 | 233198.890 | 3.125 | 157952.790 | 10385.023 | 436520.460 |
| x | | 131794.760 | 139120.490 | 159479.550 | 88138.802 | 231031.950 | 4.688 | 159561.190 | 10229.703 | 432711.580 |
| σ | | 921.179 | 628.297 | 1245.417 | 1214.007 | 2420.658 | 1.563 | 1477.057 | 144.636 | 3299.345 |
| %RSD | | 0.699 | 0.452 | 0.781 | 1.377 | 1.048 | 33.333 | 0.926 | 1.414 | 0.762 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:27:52 | 7251.840 | 7251.840 | 428653.150 | 108518.420 | 292139.670 | 417418.330 | 379940.810 | 670967.230 | 441071.140 |
| 2 | 10:29:00 | 7344.075 | 7344.075 | 425113.780 | 108847.470 | 295523.850 | 418738.960 | 378962.200 | 673931.680 | 446840.080 |
| 3 | 10:30:07 | 7172.112 | 7172.112 | 427033.850 | 109927.570 | 296897.200 | 421013.750 | 385622.860 | 682625.530 | 451263.410 |
| x | | 7256.009 | 7256.009 | 426933.590 | 109097.820 | 294853.570 | 419057.020 | 381508.620 | 675841.480 | 446391.540 |
| σ | | 86.057 | 86.057 | 1771.817 | 737.178 | 2448.563 | 1818.688 | 3596.477 | 6059.246 | 5110.917 |
| %RSD | | 1.186 | 1.186 | 0.415 | 0.676 | 0.830 | 0.434 | 0.943 | 0.897 | 1.145 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:27:52 | 484579.990 | 884153.240 | 2142430.100 | 712338.850 | 667008.470 | 1582051.800 | 431344.880 | 4166896.600 |
| 2 | 10:29:00 | 486163.710 | 896836.490 | 2156027.000 | 716933.810 | 672116.270 | 1593815.800 | 438864.080 | 4207740.200 |
| 3 | 10:30:07 | 487117.260 | 893030.700 | 2167964.600 | 728781.610 | 684399.650 | 1615095.000 | 438992.950 | 4229044.900 |
| x | | 485953.650 | 891340.140 | 2155473.900 | 719351.420 | 674508.130 | 1596987.600 | 436400.640 | 4201227.200 |
| σ | | 1281.608 | 6508.431 | 12776.249 | 8483.792 | 8938.903 | 16748.393 | 4378.888 | 31581.864 |
| %RSD | | 0.264 | 0.730 | 0.593 | 1.179 | 1.325 | 1.049 | 1.003 | 0.752 |

**CCB** 05/01/2011 10:34:37 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:35:45 | 16309.304 | 18.750 | 181.251 | 259.377 | 135360.130 | 7333.132 | 1004.723 | 1214.114 | 1603.215 |
| 2 | 10:36:53 | 15743.045 | 16.667 | 129.688 | 279.690 | 131970.830 | 6542.123 | 868.776 | 982.846 | 1509.455 |
| 3 | 10:38:01 | 15868.183 | 15.104 | 120.313 | 245.315 | 128445.160 | 5083.717 | 771.896 | 890.653 | 1214.114 |
| x | | 15973.511 | 16.840 | 143.751 | 261.461 | 131925.380 | 6319.657 | 881.798 | 1029.204 | 1442.261 |
| σ | | 297.461 | 1.829 | 32.813 | 17.282 | 3457.709 | 1141.089 | 116.958 | 166.639 | 203.067 |
| %RSD | | 1.862 | 10.862 | 22.826 | 6.610 | 2.621 | 18.056 | 13.264 | 16.191 | 14.080 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:35:45 | 456.257 | 993.785 | 16274.890 | 76218.408 | 100108.910 | 20.313 | 807.835 | 60648.779 | 37.500 |
| 2 | 10:36:53 | 496.884 | 1057.852 | 16143.491 | 75995.349 | 98437.987 | 12.500 | 731.269 | 58700.040 | 15.625 |
| 3 | 10:38:01 | 493.759 | 917.217 | 16609.650 | 76981.860 | 96631.969 | 23.438 | 695.329 | 59272.709 | 15.625 |
| x | | 482.300 | 989.618 | 16342.677 | 76398.539 | 98392.956 | 18.750 | 744.811 | 59540.509 | 22.917 |
| σ | | 22.608 | 70.410 | 240.359 | 517.336 | 1738.909 | 5.634 | 57.463 | 1001.591 | 12.630 |
| %RSD | | 4.687 | 7.115 | 1.471 | 0.677 | 1.767 | 30.046 | 7.715 | 1.682 | 55.111 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:35:45 | 8430.612 | 445.319 | 2801.837 | 3133.156 | 617.201 | 41713.938 | 1307.872 | 184.376 | 60.938 |
| 2 | 10:36:53 | 8050.705 | 414.069 | 2887.792 | 3190.981 | 535.948 | 41477.313 | 1345.376 | 164.063 | 54.688 |
| 3 | 10:38:01 | 7920.945 | 381.255 | 2711.195 | 3269.124 | 482.821 | 39954.231 | 1331.312 | 129.688 | 50.000 |
| x | | 8134.088 | 413.548 | 2800.275 | 3197.754 | 545.323 | 41048.494 | 1328.187 | 159.376 | 55.208 |
| σ | | 264.867 | 32.035 | 88.309 | 68.237 | 67.679 | 955.016 | 18.946 | 27.644 | 5.487 |
| %RSD | | 3.256 | 7.746 | 3.154 | 2.134 | 12.411 | 2.327 | 1.426 | 17.345 | 9.939 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:35:45 | 276.565 | 125.001 | 200.001 | 100.521 | 25.000 | 25.000 | 151.042 | 23.958 | 16.146 |
| 2 | 10:36:53 | 256.252 | 129.688 | 101.563 | 107.292 | 35.938 | 35.938 | 143.230 | 22.396 | 15.625 |
| 3 | 10:38:01 | 217.189 | 98.438 | 104.688 | 93.229 | 25.000 | 25.000 | 133.855 | 24.479 | 17.708 |
| x | | 250.002 | 117.709 | 135.417 | 100.348 | 28.646 | 28.646 | 142.709 | 23.611 | 16.493 |
| σ | | 30.177 | 16.853 | 55.953 | 7.033 | 6.315 | 6.315 | 8.606 | 1.084 | 1.084 |
| %RSD | | 12.071 | 14.317 | 41.319 | 7.009 | 22.044 | 22.044 | 6.030 | 4.592 | 6.574 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:35:45 | 190.626 | 265.627 | 296.878 | 170.314 | 435.944 | 4.688 | 169577.100 | 137.501 | 306.253 |
| 2 | 10:36:53 | 142.188 | 182.814 | 185.939 | 121.876 | 310.941 | 1.563 | 166149.680 | 117.188 | 204.689 |
| 3 | 10:38:01 | 100.000 | 137.501 | 171.876 | 75.000 | 235.939 | 0.000 | 169301.990 | 101.563 | 137.501 |
| x | | 144.272 | 195.314 | 218.231 | 122.396 | 327.608 | 2.083 | 168342.920 | 118.751 | 216.148 |
| σ | | 45.349 | 64.972 | 68.472 | 47.659 | 101.039 | 2.387 | 1904.380 | 18.020 | 84.958 |
| %RSD | | 31.433 | 33.265 | 31.376 | 38.938 | 30.841 | 114.564 | 1.131 | 15.174 | 39.305 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:35:45 | 3.125 | 3.125 | 276.565 | 76.563 | 357.817 | 609.388 | 168.751 | 331.254 | 455355.870 |
| 2 | 10:36:53 | 4.688 | 4.688 | 215.627 | 67.188 | 309.378 | 448.445 | 165.626 | 289.065 | 446390.400 |
| 3 | 10:38:01 | 0.000 | 0.000 | 179.689 | 42.188 | 243.752 | 345.317 | 142.188 | 231.252 | 446148.650 |
| x | | 2.604 | 2.604 | 223.960 | 61.979 | 303.649 | 467.716 | 158.855 | 283.857 | 449298.310 |
| σ | | 2.387 | 2.387 | 48.973 | 17.770 | 57.248 | 133.086 | 14.518 | 50.204 | 5247.393 |
| %RSD | | 91.652 | 91.652 | 21.867 | 28.670 | 18.853 | 28.454 | 9.139 | 17.686 | 1.168 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:35:45 | 490999.970 | 656.265 | 1642.282 | 435.944 | 412.506 | 970.345 | 453082.140 | 1975.137 |
| 2 | 10:36:53 | 487624.760 | 443.757 | 1093.792 | 328.129 | 264.065 | 753.145 | 448079.570 | 1698.539 |
| 3 | 10:38:01 | 488410.300 | 362.505 | 762.520 | 279.690 | 235.939 | 628.139 | 445686.110 | 1362.565 |
| x | | 489011.680 | 487.509 | 1166.198 | 347.921 | 304.170 | 783.876 | 448949.270 | 1678.747 |
| σ | | 1766.137 | 151.689 | 444.328 | 79.985 | 94.870 | 173.161 | 3773.937 | 306.765 |
| %RSD | | 0.361 | 31.115 | 38.101 | 22.989 | 31.190 | 22.090 | 0.841 | 18.273 |

**C1867-16 MF3TD0** 05/01/2011 10:42:31 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:43:39 | 16645.630 | 12.500 | 12705.648 | 504.696 | 129075120.000 | 20983623.000 | 2851670.700 | 3404533.200 | 1564.648 |
| 2 | 10:44:47 | 16894.359 | 8.854 | 12926.158 | 515.634 | 128073140.000 | 21244487.000 | 2873181.700 | 3420164.600 | 1805.444 |
| 3 | 10:45:55 | 16985.091 | 9.896 | 13334.345 | 556.261 | 130507240.000 | 21790947.000 | 2980710.800 | 3511391.600 | 1439.016 |
| x | | 16841.693 | 10.417 | 12988.717 | 525.531 | 129218500.000 | 21339686.000 | 2901854.400 | 3445363.100 | 1603.036 |
| σ | | 175.752 | 1.878 | 318.983 | 27.169 | 1223370.700 | 411995.210 | 69133.403 | 57714.016 | 186.206 |
| %RSD | | 1.044 | 18.028 | 2.456 | 5.170 | 0.947 | 1.931 | 2.382 | 1.675 | 11.616 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:43:39 | 1286401.800 | 895.341 | 377908.260 | 696024.390 | 3785362.900 | 315142.430 | 5157464.400 | 64282.915 | 107.813 |
| 2 | 10:44:47 | 1284193.900 | 810.961 | 377486.390 | 716516.770 | 3818526.900 | 317965.830 | 5063800.900 | 64657.720 | 110.938 |
| 3 | 10:45:55 | 1325696.400 | 851.588 | 385335.580 | 736067.850 | 3895719.000 | 323937.530 | 5291138.400 | 61787.117 | 132.813 |
| x | | 1298764.000 | 852.630 | 380243.410 | 716203.000 | 3833202.900 | 319015.260 | 5170801.200 | 63575.918 | 117.188 |
| σ | | 23350.269 | 42.200 | 4414.990 | 20023.572 | 56622.932 | 4490.483 | 114254.070 | 1560.441 | 13.622 |
| %RSD | | 1.798 | 4.949 | 1.161 | 2.796 | 1.477 | 1.408 | 2.210 | 2.454 | 11.624 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:43:39 | 83708.596 | 898.466 | 21455.162 | 3562.944 | 753.145 | 63806.238 | 24474.071 | 628.139 | 585.950 |
| 2 | 10:44:47 | 86143.318 | 815.648 | 21849.509 | 3533.249 | 604.700 | 61496.140 | 23630.465 | 601.575 | 556.261 |
| 3 | 10:45:55 | 89399.167 | 909.404 | 22772.824 | 3394.153 | 673.453 | 61919.840 | 24308.163 | 604.700 | 589.075 |
| x | | 86417.027 | 874.506 | 22025.832 | 3496.782 | 677.100 | 62407.406 | 24137.567 | 611.471 | 577.095 |
| σ | | 2855.143 | 51.265 | 676.296 | 90.111 | 74.289 | 1229.809 | 446.929 | 14.519 | 18.110 |
| %RSD | | 3.304 | 5.862 | 3.070 | 2.577 | 10.972 | 1.971 | 1.852 | 2.374 | 3.138 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:43:39 | 962.532 | 553.136 | 867.214 | 1550.605 | 443.757 | 443.757 | 770.333 | 394.797 | 17.708 |
| 2 | 10:44:47 | 981.284 | 559.386 | 928.155 | 1649.054 | 465.633 | 465.633 | 766.166 | 379.693 | 21.354 |
| 3 | 10:45:55 | 921.905 | 482.821 | 901.591 | 1750.107 | 542.198 | 542.198 | 787.001 | 394.797 | 16.667 |
| x | | 955.240 | 531.781 | 898.987 | 1649.922 | 483.862 | 483.862 | 774.500 | 389.762 | 18.576 |
| σ | | 30.354 | 42.516 | 30.554 | 99.754 | 51.690 | 51.690 | 11.025 | 8.721 | 2.461 |
| %RSD | | 3.178 | 7.995 | 3.399 | 6.046 | 10.683 | 10.683 | 1.423 | 2.237 | 13.250 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:43:39 | 935.985 | 245.315 | 334.379 | 193.751 | 428.131 | 4.688 | 148246.480 | 106.250 | 115.625 |
| 2 | 10:44:47 | 914.777 | 246.877 | 257.815 | 176.564 | 378.130 | 3.125 | 151476.970 | 109.375 | 118.750 |
| 3 | 10:45:55 | 1112.720 | 217.189 | 300.003 | 164.063 | 356.254 | 3.125 | 144453.220 | 96.875 | 67.188 |
| x | | 987.827 | 236.460 | 297.399 | 178.126 | 387.505 | 3.646 | 148058.890 | 104.167 | 100.521 |
| σ | | 108.678 | 16.708 | 38.348 | 14.905 | 36.844 | 0.902 | 3515.630 | 6.505 | 28.910 |
| %RSD | | 11.002 | 7.066 | 12.895 | 8.368 | 9.508 | 24.744 | 2.374 | 6.245 | 28.760 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:43:39 | 4.688 | 4.688 | 107.813 | 35.938 | 217.189 | 260.940 | 3936.480 | 6900.104 | 426784.370 |
| 2 | 10:44:47 | 3.125 | 3.125 | 68.750 | 23.438 | 175.001 | 185.939 | 3780.188 | 6698.445 | 434048.380 |
| 3 | 10:45:55 | 1.563 | 1.563 | 50.000 | 18.750 | 131.251 | 156.251 | 4008.375 | 6993.899 | 416942.230 |
| x | | 3.125 | 3.125 | 75.521 | 26.042 | 174.480 | 201.043 | 3908.347 | 6864.149 | 425924.990 |
| σ | | 1.563 | 1.563 | 29.495 | 8.885 | 42.972 | 53.954 | 116.666 | 150.973 | 8585.395 |
| %RSD | | 50.000 | 50.000 | 39.056 | 34.117 | 24.628 | 26.837 | 2.985 | 2.199 | 2.016 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:43:39 | 463983.160 | 407.818 | 957.845 | 582.824 | 548.448 | 1336.000 | 402242.150 | 81110.862 |
| 2 | 10:44:47 | 467586.910 | 201.564 | 529.697 | 450.007 | 376.567 | 989.097 | 409373.300 | 80223.058 |
| 3 | 10:45:55 | 454064.150 | 167.188 | 407.818 | 467.195 | 367.192 | 953.157 | 390308.510 | 83988.355 |
| x | | 461878.070 | 258.857 | 631.787 | 500.009 | 430.736 | 1092.751 | 400641.320 | 81774.092 |
| σ | | 7002.841 | 130.144 | 288.875 | 72.233 | 102.049 | 211.425 | 9632.682 | 1968.317 |
| %RSD | | 1.516 | 50.277 | 45.724 | 14.446 | 23.692 | 19.348 | 2.404 | 2.407 |

**C1867-17 MF3T78** 05/01/2011 10:50:25 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:51:33 | 15611.651 | 5.729 | 10791.574 | 504.696 | 115029650.000 | 16904722.000 | 2290742.200 | 2725574.200 | 926.593 |
| 2 | 10:52:41 | 15547.518 | 5.208 | 10455.387 | 467.195 | 113898970.000 | 16803549.000 | 2283137.000 | 2706697.400 | 893.778 |
| 3 | 10:53:49 | 15678.912 | 2.604 | 10166.116 | 437.507 | 112683640.000 | 16458483.000 | 2238880.300 | 2686390.300 | 778.146 |
| x | | 15612.694 | 4.514 | 10471.026 | 469.799 | 113870750.000 | 16722251.000 | 2270919.800 | 2706220.600 | 866.172 |
| σ | | 65.703 | 1.674 | 313.022 | 33.670 | 1173257.300 | 233963.990 | 28006.437 | 19596.282 | 77.978 |
| %RSD | | 0.421 | 37.091 | 2.989 | 7.167 | 1.030 | 1.399 | 1.233 | 0.724 | 9.003 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:51:33 | 1341043.900 | 762.520 | 333457.830 | 651100.780 | 2949341.600 | 226782.760 | 3958594.500 | 62542.539 | 114.063 |
| 2 | 10:52:41 | 1333455.500 | 829.712 | 330940.940 | 663109.670 | 2955786.400 | 225563.690 | 3924269.200 | 62786.599 | 100.000 |
| 3 | 10:53:49 | 1309417.900 | 753.145 | 329669.860 | 666964.290 | 2935419.400 | 224944.670 | 3893418.000 | 62446.659 | 81.250 |
| x | | 1327972.400 | 781.792 | 331356.210 | 660391.580 | 2946849.100 | 225763.710 | 3925427.200 | 62591.932 | 98.438 |
| σ | | 16510.572 | 41.763 | 1927.829 | 8273.676 | 10409.759 | 935.229 | 32603.702 | 175.270 | 16.462 |
| %RSD | | 1.243 | 5.342 | 0.582 | 1.253 | 0.353 | 0.414 | 0.831 | 0.280 | 16.723 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:51:33 | 94561.936 | 43658.799 | 27632.949 | 3964.613 | 453.132 | 43439.382 | 16328.076 | 637.514 | 568.761 |
| 2 | 10:52:41 | 97624.621 | 43249.745 | 28775.828 | 3834.890 | 420.319 | 42256.153 | 16808.320 | 628.139 | 509.384 |
| 3 | 10:53:49 | 98461.586 | 42615.029 | 29145.325 | 4075.581 | 414.069 | 42022.653 | 15743.045 | 589.075 | 546.885 |
| x | | 96882.715 | 43174.524 | 28518.034 | 3958.361 | 429.173 | 42572.729 | 16293.147 | 618.243 | 541.677 |
| σ | | 2052.958 | 525.935 | 788.456 | 120.468 | 20.983 | 759.569 | 533.496 | 25.691 | 30.029 |
| %RSD | | 2.119 | 1.218 | 2.765 | 3.043 | 4.889 | 1.784 | 3.274 | 4.156 | 5.544 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:51:33 | 920.342 | 496.884 | 889.090 | 1868.872 | 500.009 | 500.009 | 633.347 | 296.357 | 16.146 |
| 2 | 10:52:41 | 850.025 | 435.944 | 896.903 | 1943.882 | 468.758 | 468.758 | 635.431 | 300.003 | 21.354 |
| 3 | 10:53:49 | 807.835 | 520.322 | 876.589 | 1887.625 | 465.633 | 465.633 | 567.720 | 300.003 | 21.875 |
| x | | 859.401 | 484.383 | 887.528 | 1900.126 | 478.133 | 478.133 | 612.166 | 298.788 | 19.792 |
| σ | | 56.836 | 43.556 | 10.247 | 39.036 | 19.009 | 19.009 | 38.506 | 2.105 | 3.168 |
| %RSD | | 6.613 | 8.992 | 1.155 | 2.054 | 3.976 | 3.976 | 6.290 | 0.705 | 16.007 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:51:33 | 639.072 | 354.692 | 401.568 | 265.627 | 631.264 | 1.563 | 148571.700 | 120.313 | 48.438 |
| 2 | 10:52:41 | 1027.887 | 357.817 | 395.318 | 268.753 | 507.822 | 3.125 | 148093.340 | 112.500 | 43.750 |
| 3 | 10:53:49 | 748.647 | 375.005 | 378.130 | 243.752 | 556.261 | 1.563 | 149886.900 | 79.688 | 26.563 |
| x | | 805.202 | 362.505 | 391.672 | 259.377 | 565.115 | 2.083 | 148850.650 | 104.167 | 39.583 |
| σ | | 200.483 | 10.938 | 12.137 | 13.622 | 62.196 | 0.902 | 928.747 | 21.557 | 11.517 |
| %RSD | | 24.898 | 3.017 | 3.099 | 5.252 | 11.006 | 43.301 | 0.624 | 20.694 | 29.097 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:51:33 | 4.688 | 4.688 | 26.563 | 6.250 | 90.625 | 120.313 | 3058.140 | 5932.481 | 433922.780 |
| 2 | 10:52:41 | 6.250 | 6.250 | 32.813 | 6.250 | 96.875 | 125.001 | 3175.353 | 5746.468 | 432919.580 |
| 3 | 10:53:49 | 0.000 | 0.000 | 21.875 | 6.250 | 78.125 | 103.125 | 3164.413 | 5683.943 | 436776.540 |
| x | | 3.646 | 3.646 | 27.083 | 6.250 | 88.542 | 116.146 | 3132.635 | 5787.631 | 434539.630 |
| σ | | 3.253 | 3.253 | 5.487 | 0.000 | 9.547 | 11.517 | 64.746 | 129.281 | 2001.107 |
| %RSD | | 89.214 | 89.214 | 20.261 | 0.000 | 10.783 | 9.916 | 2.067 | 2.234 | 0.461 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:51:33 | 470460.220 | 95.313 | 276.565 | 445.319 | 325.004 | 829.712 | 410956.870 | 82415.170 |
| 2 | 10:52:41 | 473794.300 | 98.438 | 212.502 | 428.131 | 335.941 | 837.525 | 412307.460 | 84274.408 |
| 3 | 10:53:49 | 473627.980 | 76.563 | 162.501 | 362.505 | 304.691 | 853.150 | 419548.130 | 84555.750 |
| x | | 472627.500 | 90.104 | 217.189 | 411.985 | 321.879 | 840.129 | 414270.820 | 83748.443 |
| σ | | 1878.760 | 11.831 | 57.176 | 43.705 | 15.858 | 11.934 | 4619.906 | 1163.185 |
| %RSD | | 0.398 | 13.130 | 26.326 | 10.608 | 4.927 | 1.421 | 1.115 | 1.389 |

**C1867-18 MF3T93** 05/01/2011 10:58:19 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:59:27 | 15675.783 | 8.333 | 9520.359 | 540.635 | 107185220.000 | 15438761.000 | 2087370.800 | 2482414.800 | 746.895 |
| 2 | 11:00:35 | 15552.211 | 2.604 | 9521.922 | 596.887 | 107477250.000 | 15526142.000 | 2095673.500 | 2492468.200 | 770.333 |
| 3 | 11:01:43 | 15488.079 | 3.125 | 9815.871 | 556.261 | 106758750.000 | 15425289.000 | 2087120.200 | 2465714.500 | 737.519 |
| x | | 15572.024 | 4.688 | 9619.384 | 564.595 | 107140410.000 | 15463398.000 | 2090054.800 | 2480199.200 | 751.582 |
| σ | | 95.408 | 3.168 | 170.165 | 29.037 | 361343.210 | 54754.175 | 4867.495 | 13513.724 | 16.902 |
| %RSD | | 0.613 | 67.586 | 1.769 | 5.143 | 0.337 | 0.354 | 0.233 | 0.545 | 2.249 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:59:27 | 954266.780 | 681.266 | 264041.220 | 649927.240 | 2589773.600 | 157540.460 | 2716474.100 | 56982.168 | 67.188 |
| 2 | 11:00:35 | 964966.490 | 715.643 | 263226.380 | 662667.990 | 2603166.900 | 155965.510 | 2692004.700 | 55582.921 | 75.000 |
| 3 | 11:01:43 | 956008.920 | 726.581 | 262529.360 | 666571.580 | 2550612.100 | 156864.330 | 2660954.100 | 55997.034 | 67.188 |
| x | | 958414.060 | 707.830 | 263265.650 | 659722.270 | 2581184.200 | 156790.100 | 2689810.900 | 56187.374 | 69.792 |
| σ | | 5741.032 | 23.646 | 756.694 | 8704.394 | 27309.984 | 790.096 | 27824.941 | 718.780 | 4.511 |
| %RSD | | 0.599 | 3.341 | 0.287 | 1.319 | 1.058 | 0.504 | 1.034 | 1.279 | 6.463 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:59:27 | 88853.592 | 1486.015 | 23300.236 | 2808.089 | 775.021 | 42814.061 | 11701.666 | 326.566 | 348.442 |
| 2 | 11:00:35 | 92534.663 | 1464.138 | 24328.511 | 2731.511 | 792.209 | 42732.567 | 11044.893 | 290.628 | 321.879 |
| 3 | 11:01:43 | 94513.178 | 1540.708 | 24888.850 | 2784.646 | 715.643 | 42660.477 | 11661.007 | 276.565 | 395.318 |
| x | | 91967.144 | 1496.954 | 24172.532 | 2774.749 | 760.958 | 42735.702 | 11469.189 | 297.920 | 355.213 |
| σ | | 2872.157 | 39.440 | 805.711 | 39.236 | 40.174 | 76.840 | 368.013 | 25.786 | 37.185 |
| %RSD | | 3.123 | 2.635 | 3.333 | 1.414 | 5.279 | 0.180 | 3.209 | 8.655 | 10.468 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:59:27 | 832.837 | 423.444 | 1242.242 | 1548.521 | 451.570 | 451.570 | 619.284 | 284.899 | 26.042 |
| 2 | 11:00:35 | 887.528 | 392.193 | 1292.246 | 1583.421 | 459.382 | 459.382 | 617.201 | 260.419 | 16.146 |
| 3 | 11:01:43 | 840.650 | 442.194 | 1245.367 | 1591.755 | 454.695 | 454.695 | 603.659 | 259.377 | 19.792 |
| x | | 853.671 | 419.277 | 1259.951 | 1574.566 | 455.216 | 455.216 | 613.381 | 268.232 | 20.660 |
| σ | | 29.579 | 25.260 | 28.012 | 22.937 | 3.932 | 3.932 | 8.484 | 14.443 | 5.005 |
| %RSD | | 3.465 | 6.025 | 2.223 | 1.457 | 0.864 | 0.864 | 1.383 | 5.385 | 24.224 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:59:27 | 1027.887 | 857.838 | 973.471 | 603.138 | 1459.450 | 7.813 | 151004.830 | 75.000 | 68.750 |
| 2 | 11:00:35 | 932.451 | 914.092 | 998.472 | 617.201 | 1412.570 | 3.125 | 151034.830 | 84.375 | 45.313 |
| 3 | 11:01:43 | 932.451 | 914.092 | 917.217 | 554.698 | 1454.762 | 1.563 | 149676.900 | 103.125 | 40.625 |
| x | | 964.263 | 895.341 | 963.053 | 591.679 | 1442.260 | 4.167 | 150572.190 | 87.500 | 51.563 |
| σ | | 55.100 | 32.478 | 41.617 | 32.789 | 25.819 | 3.253 | 775.486 | 14.321 | 15.068 |
| %RSD | | 5.714 | 3.627 | 4.321 | 5.542 | 1.790 | 78.062 | 0.515 | 16.366 | 29.223 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:59:27 | 3.125 | 3.125 | 48.438 | 20.313 | 87.500 | 79.688 | 7450.380 | 13883.305 | 437147.000 |
| 2 | 11:00:35 | 0.000 | 0.000 | 54.688 | 10.938 | 79.688 | 70.313 | 7777.116 | 13734.724 | 431171.000 |
| 3 | 11:01:43 | 0.000 | 0.000 | 26.563 | 15.625 | 75.000 | 78.125 | 7458.196 | 13473.538 | 434906.710 |
| x | | 1.042 | 1.042 | 43.229 | 15.625 | 80.729 | 76.042 | 7561.898 | 13697.189 | 434408.240 |
| σ | | 1.804 | 1.804 | 14.768 | 4.688 | 6.315 | 5.023 | 186.426 | 207.446 | 3019.023 |
| %RSD | | 173.205 | 173.205 | 34.163 | 30.000 | 7.822 | 6.605 | 2.465 | 1.515 | 0.695 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:59:27 | 476651.070 | 68.750 | 201.564 | 432.819 | 334.379 | 906.279 | 413648.530 | 142879.710 |
| 2 | 11:00:35 | 470494.120 | 57.813 | 148.438 | 371.880 | 357.817 | 892.215 | 416162.160 | 142887.600 |
| 3 | 11:01:43 | 471333.630 | 57.813 | 87.500 | 434.382 | 343.754 | 810.961 | 416165.370 | 141853.930 |
| x | | 472826.270 | 61.458 | 145.834 | 413.027 | 345.317 | 869.818 | 415325.350 | 142540.410 |
| σ | | 3338.864 | 6.315 | 57.076 | 35.643 | 11.797 | 51.455 | 1452.176 | 594.520 |
| %RSD | | 0.706 | 10.275 | 39.138 | 8.630 | 3.416 | 5.916 | 0.350 | 0.417 |

**C1867-19 MF3T93D** 05/01/2011 11:06:14 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:07:22 | 16068.407 | 3.125 | 10022.264 | 514.072 | 111063140.000 | 15877571.000 | 2176762.700 | 2582928.100 | 676.579 |
| 2 | 11:08:30 | 16376.569 | 4.167 | 10089.499 | 492.196 | 109118430.000 | 15739218.000 | 2131175.500 | 2552250.300 | 767.208 |
| 3 | 11:09:38 | 16436.012 | 2.604 | 9973.793 | 534.385 | 110537080.000 | 15861382.000 | 2138411.300 | 2554091.500 | 676.579 |
| x | | 16293.663 | 3.299 | 10028.519 | 513.551 | 110239550.000 | 15826057.000 | 2148783.200 | 2563090.000 | 706.788 |
| σ | | 197.328 | 0.796 | 58.106 | 21.099 | 1005916.200 | 75639.322 | 24499.576 | 17204.952 | 52.325 |
| %RSD | | 1.211 | 24.119 | 0.579 | 4.109 | 0.912 | 0.478 | 1.140 | 0.671 | 7.403 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:07:22 | 994096.910 | 775.021 | 274399.320 | 663482.660 | 2664867.100 | 162021.410 | 2788249.200 | 56991.580 | 106.250 |
| 2 | 11:08:30 | 986459.410 | 718.768 | 271668.170 | 671677.590 | 2639084.800 | 158512.060 | 2712479.700 | 57967.369 | 73.438 |
| 3 | 11:09:38 | 993986.480 | 731.269 | 271489.830 | 671360.050 | 2644581.700 | 159486.880 | 2745270.300 | 59379.401 | 84.375 |
| x | | 991514.270 | 741.686 | 272519.110 | 668840.100 | 2649511.200 | 160006.790 | 2748666.400 | 58112.784 | 88.021 |
| σ | | 4377.982 | 29.538 | 1630.752 | 4642.400 | 13579.648 | 1811.523 | 37998.764 | 1200.534 | 16.707 |
| %RSD | | 0.442 | 3.983 | 0.598 | 0.694 | 0.513 | 1.132 | 1.382 | 2.066 | 18.981 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:07:22 | 91312.776 | 1611.028 | 24251.818 | 2778.395 | 714.080 | 43362.586 | 12375.671 | 309.378 | 412.506 |
| 2 | 11:08:30 | 94146.707 | 1376.629 | 25010.937 | 2761.204 | 693.767 | 44016.143 | 12538.312 | 306.253 | 375.005 |
| 3 | 11:09:38 | 96010.613 | 1498.516 | 25250.421 | 2784.646 | 746.895 | 43969.123 | 12578.973 | 296.878 | 396.881 |
| x | | 93823.366 | 1495.391 | 24837.725 | 2774.749 | 718.247 | 43782.618 | 12497.652 | 304.170 | 394.797 |
| σ | | 2365.551 | 117.231 | 521.348 | 12.139 | 26.808 | 364.517 | 107.578 | 6.505 | 18.837 |
| %RSD | | 2.521 | 7.839 | 2.099 | 0.437 | 3.732 | 0.833 | 0.861 | 2.139 | 4.771 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:07:22 | 873.464 | 515.634 | 1345.376 | 1604.778 | 468.758 | 468.758 | 626.055 | 297.399 | 22.917 |
| 2 | 11:08:30 | 906.279 | 456.257 | 1332.875 | 1549.042 | 476.570 | 476.570 | 614.076 | 267.711 | 19.271 |
| 3 | 11:09:38 | 973.471 | 476.570 | 1273.494 | 1670.410 | 467.195 | 467.195 | 585.950 | 259.377 | 20.833 |
| x | | 917.738 | 482.821 | 1317.248 | 1608.077 | 470.841 | 470.841 | 608.694 | 274.829 | 21.007 |
| σ | | 50.978 | 30.178 | 38.404 | 60.751 | 5.023 | 5.023 | 20.588 | 19.985 | 1.829 |
| %RSD | | 5.555 | 6.250 | 2.915 | 3.778 | 1.067 | 1.067 | 3.382 | 7.272 | 8.707 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:07:22 | 1034.957 | 896.903 | 948.469 | 600.013 | 1436.010 | 1.563 | 151243.270 | 106.250 | 43.750 |
| 2 | 11:08:30 | 755.716 | 873.464 | 929.718 | 596.887 | 1445.386 | 4.688 | 154956.180 | 110.938 | 26.563 |
| 3 | 11:09:38 | 677.953 | 889.090 | 950.032 | 587.512 | 1456.324 | 3.125 | 155319.470 | 104.688 | 25.000 |
| x | | 822.875 | 886.486 | 942.739 | 594.804 | 1445.907 | 3.125 | 153839.640 | 107.292 | 31.771 |
| σ | | 187.738 | 11.935 | 11.304 | 6.505 | 10.167 | 1.563 | 2255.848 | 3.253 | 10.404 |
| %RSD | | 22.815 | 1.346 | 1.199 | 1.094 | 0.703 | 50.000 | 1.466 | 3.032 | 32.746 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:07:22 | 3.125 | 3.125 | 32.813 | 9.375 | 68.750 | 71.875 | 7917.819 | 13479.794 | 433574.950 |
| 2 | 11:08:30 | 3.125 | 3.125 | 25.000 | 3.125 | 71.875 | 70.313 | 7789.623 | 13603.349 | 442421.320 |
| 3 | 11:09:38 | 1.563 | 1.563 | 29.688 | 3.125 | 78.125 | 60.938 | 7717.709 | 13547.045 | 445099.490 |
| x | | 2.604 | 2.604 | 29.167 | 5.208 | 72.917 | 67.708 | 7808.384 | 13543.396 | 440365.250 |
| σ | | 0.902 | 0.902 | 3.932 | 3.608 | 4.774 | 5.916 | 101.365 | 61.858 | 6031.110 |
| %RSD | | 34.641 | 34.641 | 13.482 | 69.282 | 6.547 | 8.737 | 1.298 | 0.457 | 1.370 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:07:22 | 469691.800 | 43.750 | 90.625 | 451.570 | 392.193 | 1039.100 | 407495.750 | 143310.550 |
| 2 | 11:08:30 | 480574.610 | 45.313 | 78.125 | 450.007 | 387.505 | 951.594 | 419052.650 | 140042.440 |
| 3 | 11:09:38 | 483111.170 | 31.250 | 81.250 | 418.756 | 351.567 | 992.222 | 422942.940 | 142456.760 |
| x | | 477792.520 | 40.104 | 83.334 | 440.111 | 377.088 | 994.305 | 416497.110 | 141936.590 |
| σ | | 7129.157 | 7.708 | 6.505 | 18.510 | 22.226 | 43.790 | 8034.425 | 1695.014 |
| %RSD | | 1.492 | 19.219 | 7.806 | 4.206 | 5.894 | 4.404 | 1.929 | 1.194 |

**C1867-18LX5 MF3T93L** 05/01/2011 11:14:10 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:15:17 | 17041.408 | 2.604 | 2450.210 | 315.628 | 24341096.000 | 3516017.500 | 482241.260 | 560842.420 | 662.515 |
| 2 | 11:16:26 | 16587.750 | 2.083 | 2592.423 | 360.942 | 24402162.000 | 3552843.500 | 481662.610 | 560304.740 | 720.331 |
| 3 | 11:17:34 | 16701.945 | 6.250 | 2414.267 | 335.941 | 24319825.000 | 3484105.600 | 481667.770 | 557780.660 | 625.014 |
| x | | 16777.034 | 3.646 | 2485.633 | 337.504 | 24354361.000 | 3517655.500 | 481857.210 | 559642.610 | 669.287 |
| σ | | 235.967 | 2.270 | 94.213 | 22.697 | 42741.500 | 34398.240 | 332.605 | 1634.748 | 48.018 |
| %RSD | | 1.406 | 62.270 | 3.790 | 6.725 | 0.175 | 0.978 | 0.069 | 0.292 | 7.174 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:15:17 | 214796.510 | 826.586 | 71946.340 | 214710.870 | 654716.800 | 35152.571 | 582372.460 | 62260.377 | 28.125 |
| 2 | 11:16:26 | 218686.110 | 870.339 | 71891.376 | 216788.770 | 649744.190 | 34673.277 | 579680.280 | 62844.175 | 10.938 |
| 3 | 11:17:34 | 218172.090 | 865.651 | 71837.984 | 215541.990 | 651316.540 | 35157.271 | 576357.620 | 63114.111 | 28.125 |
| x | | 217218.240 | 854.192 | 71891.900 | 215680.540 | 651925.850 | 34994.373 | 579470.120 | 62739.555 | 22.396 |
| σ | | 2112.964 | 24.022 | 54.180 | 1045.858 | 2541.683 | 278.087 | 3012.920 | 436.377 | 9.923 |
| %RSD | | 0.973 | 2.812 | 0.075 | 0.485 | 0.390 | 0.795 | 0.520 | 0.696 | 44.308 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:15:17 | 33738.230 | 657.828 | 9829.943 | 2979.998 | 301.566 | 39860.219 | 3612.957 | 90.625 | 96.875 |
| 2 | 11:16:26 | 33038.159 | 631.264 | 9790.854 | 3090.959 | 306.253 | 39877.455 | 3747.366 | 75.000 | 117.188 |
| 3 | 11:17:34 | 33263.682 | 607.825 | 9662.642 | 2953.430 | 284.378 | 40977.436 | 3700.479 | 81.250 | 117.188 |
| x | | 33346.690 | 632.306 | 9761.146 | 3008.129 | 297.399 | 40238.370 | 3686.934 | 82.292 | 110.417 |
| σ | | 357.341 | 25.017 | 87.518 | 72.953 | 11.518 | 640.108 | 68.221 | 7.864 | 11.728 |
| %RSD | | 1.072 | 3.957 | 0.897 | 2.425 | 3.873 | 1.591 | 1.850 | 9.557 | 10.621 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:15:17 | 257.815 | 129.688 | 404.693 | 486.987 | 112.500 | 112.500 | 265.627 | 79.688 | 24.479 |
| 2 | 11:16:26 | 282.815 | 126.563 | 425.006 | 482.300 | 117.188 | 117.188 | 254.690 | 67.708 | 21.354 |
| 3 | 11:17:34 | 293.753 | 137.501 | 467.195 | 442.194 | 150.001 | 150.001 | 266.148 | 82.292 | 20.833 |
| x | | 278.128 | 131.251 | 432.298 | 470.494 | 126.563 | 126.563 | 262.155 | 76.563 | 22.222 |
| σ | | 18.422 | 5.634 | 31.883 | 24.620 | 20.433 | 20.433 | 6.470 | 7.778 | 1.972 |
| %RSD | | 6.624 | 4.292 | 7.375 | 5.233 | 16.144 | 16.144 | 2.468 | 10.159 | 8.873 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:15:17 | 128.126 | 170.314 | 217.189 | 154.688 | 320.316 | 3.125 | 175200.600 | 125.001 | 6.250 |
| 2 | 11:16:26 | 114.063 | 200.001 | 193.751 | 125.001 | 350.004 | 1.563 | 174308.540 | 104.688 | 3.125 |
| 3 | 11:17:34 | 126.563 | 195.314 | 176.564 | 148.438 | 318.754 | 1.563 | 176140.170 | 117.188 | 4.688 |
| x | | 122.917 | 188.543 | 195.835 | 142.709 | 329.691 | 2.083 | 175216.440 | 115.625 | 4.688 |
| σ | | 7.708 | 15.960 | 20.393 | 15.651 | 17.609 | 0.902 | 915.921 | 10.246 | 1.563 |
| %RSD | | 6.271 | 8.465 | 10.413 | 10.967 | 5.341 | 43.301 | 0.523 | 8.861 | 33.333 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:15:17 | 4.688 | 4.688 | 6.250 | 3.125 | 75.000 | 17.188 | 1668.848 | 2948.742 | 475338.080 |
| 2 | 11:16:26 | 0.000 | 0.000 | 3.125 | 0.000 | 64.063 | 35.938 | 1576.650 | 3025.320 | 473802.370 |
| 3 | 11:17:34 | 1.563 | 1.563 | 4.688 | 4.688 | 56.250 | 23.438 | 1645.407 | 2962.807 | 472901.370 |
| x | | 2.083 | 2.083 | 4.688 | 2.604 | 65.104 | 25.521 | 1630.301 | 2978.956 | 474013.940 |
| σ | | 2.387 | 2.387 | 1.563 | 2.387 | 9.418 | 9.547 | 47.919 | 40.764 | 1232.057 |
| %RSD | | 114.564 | 114.564 | 33.333 | 91.652 | 14.467 | 37.409 | 2.939 | 1.368 | 0.260 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:15:17 | 514366.610 | 15.625 | 48.438 | 118.750 | 121.876 | 242.190 | 455376.830 | 30120.783 |
| 2 | 11:16:26 | 514149.630 | 9.375 | 32.813 | 118.750 | 79.688 | 242.190 | 457531.560 | 30440.209 |
| 3 | 11:17:34 | 513950.460 | 10.938 | 34.375 | 120.313 | 93.750 | 250.002 | 462366.360 | 30058.152 |
| x | | 514155.570 | 11.979 | 38.542 | 119.271 | 98.438 | 244.794 | 458424.920 | 30206.381 |
| σ | | 208.136 | 3.253 | 8.606 | 0.902 | 21.481 | 4.511 | 3579.377 | 204.908 |
| %RSD | | 0.040 | 27.152 | 22.328 | 0.756 | 21.822 | 1.843 | 0.781 | 0.678 |

**C1867-16X25 MF3TD0** 05/01/2011 11:22:05 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:23:13 | 17646.830 | 2.604 | 843.775 | 295.316 | 6350245.100 | 1041294.700 | 137647.460 | 166113.320 | 553.136 |
| 2 | 11:24:21 | 18008.218 | 2.604 | 796.897 | 285.940 | 6441534.200 | 1064261.200 | 140178.140 | 166853.120 | 521.885 |
| 3 | 11:25:29 | 17571.738 | 5.208 | 862.526 | 295.316 | 6602864.700 | 1075046.500 | 143845.580 | 171787.650 | 610.951 |
| x | | 17742.262 | 3.472 | 834.399 | 292.190 | 6464881.300 | 1060200.800 | 140557.060 | 168251.360 | 561.990 |
| σ | | 233.365 | 1.504 | 33.804 | 5.413 | 127917.850 | 17238.380 | 3116.384 | 3084.773 | 45.188 |
| %RSD | | 1.315 | 43.301 | 4.051 | 1.852 | 1.979 | 1.626 | 2.217 | 1.833 | 8.041 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:23:13 | 63023.086 | 954.719 | 34220.625 | 118943.110 | 280527.570 | 14432.287 | 237317.450 | 66560.952 | 6.250 |
| 2 | 11:24:21 | 62665.267 | 967.220 | 34328.697 | 118407.440 | 281963.230 | 14338.442 | 239323.940 | 67788.580 | 12.500 |
| 3 | 11:25:29 | 64171.933 | 953.157 | 34699.904 | 118858.030 | 285604.820 | 15045.419 | 248797.810 | 65674.049 | 17.188 |
| x | | 63286.762 | 958.365 | 34416.409 | 118736.190 | 282698.540 | 14605.382 | 241813.070 | 66674.527 | 11.979 |
| σ | | 787.182 | 7.708 | 251.390 | 287.871 | 2617.276 | 383.960 | 6131.597 | 1061.831 | 5.487 |
| %RSD | | 1.244 | 0.804 | 0.730 | 0.242 | 0.926 | 2.629 | 2.536 | 1.593 | 45.807 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:23:13 | 17746.954 | 382.818 | 5904.345 | 3072.205 | 242.190 | 43254.447 | 2334.566 | 32.813 | 51.563 |
| 2 | 11:24:21 | 17592.075 | 420.319 | 5371.322 | 3339.453 | 218.752 | 44345.283 | 2431.457 | 31.250 | 48.438 |
| 3 | 11:25:29 | 17249.470 | 395.318 | 5547.952 | 3301.944 | 250.002 | 43246.610 | 2542.414 | 35.938 | 48.438 |
| x | | 17529.500 | 399.485 | 5607.873 | 3237.867 | 236.981 | 43615.447 | 2436.146 | 33.333 | 49.479 |
| σ | | 254.577 | 19.095 | 271.517 | 144.688 | 16.263 | 632.069 | 104.003 | 2.387 | 1.804 |
| %RSD | | 1.452 | 4.780 | 4.842 | 4.469 | 6.863 | 1.449 | 4.269 | 7.160 | 3.646 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:23:13 | 104.688 | 34.375 | 129.688 | 206.772 | 76.563 | 76.563 | 192.189 | 36.979 | 17.708 |
| 2 | 11:24:21 | 98.438 | 42.188 | 109.375 | 217.710 | 60.938 | 60.938 | 207.293 | 43.750 | 18.750 |
| 3 | 11:25:29 | 64.063 | 42.188 | 117.188 | 215.106 | 50.000 | 50.000 | 189.064 | 35.938 | 15.625 |
| x | | 89.063 | 39.583 | 118.751 | 213.196 | 62.500 | 62.500 | 196.182 | 38.889 | 17.361 |
| σ | | 21.875 | 4.511 | 10.246 | 5.713 | 13.350 | 13.350 | 9.749 | 4.242 | 1.591 |
| %RSD | | 24.561 | 11.395 | 8.628 | 2.680 | 21.360 | 21.360 | 4.969 | 10.908 | 9.165 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:23:13 | 15.625 | 10.938 | 10.938 | 18.750 | 9.375 | 1.563 | 182654.020 | 123.438 | 3.125 |
| 2 | 11:24:21 | 10.938 | 18.750 | 15.625 | 10.938 | 20.313 | 6.250 | 186884.780 | 131.251 | 10.938 |
| 3 | 11:25:29 | 21.875 | 20.313 | 18.750 | 15.625 | 25.000 | 3.125 | 181862.770 | 135.938 | 14.063 |
| x | | 16.146 | 16.667 | 15.104 | 15.104 | 18.229 | 3.646 | 183800.520 | 130.209 | 9.375 |
| σ | | 5.487 | 5.023 | 3.932 | 3.932 | 8.018 | 2.387 | 2700.182 | 6.315 | 5.634 |
| %RSD | | 33.986 | 30.136 | 26.034 | 26.034 | 43.985 | 65.465 | 1.469 | 4.850 | 60.093 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:23:13 | 1.563 | 1.563 | 3.125 | 3.125 | 57.813 | 21.875 | 170.314 | 332.816 | 480855.710 |
| 2 | 11:24:21 | 0.000 | 0.000 | 7.813 | 0.000 | 62.500 | 20.313 | 195.314 | 343.754 | 488654.380 |
| 3 | 11:25:29 | 1.563 | 1.563 | 9.375 | 1.563 | 59.375 | 26.563 | 170.314 | 320.316 | 475979.220 |
| x | | 1.042 | 1.042 | 6.771 | 1.563 | 59.896 | 22.917 | 178.647 | 332.296 | 481829.770 |
| σ | | 0.902 | 0.902 | 3.253 | 1.563 | 2.387 | 3.253 | 14.434 | 11.728 | 6393.472 |
| %RSD | | 86.603 | 86.603 | 48.038 | 100.000 | 3.985 | 14.193 | 8.080 | 3.529 | 1.327 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:23:13 | 524741.700 | 18.750 | 48.438 | 56.250 | 40.625 | 126.563 | 472489.640 | 3455.105 |
| 2 | 11:24:21 | 527263.300 | 17.188 | 67.188 | 46.875 | 34.375 | 145.313 | 476059.970 | 3659.844 |
| 3 | 11:25:29 | 512512.670 | 20.313 | 50.000 | 70.313 | 50.000 | 104.688 | 467164.030 | 3650.466 |
| x | | 521505.890 | 18.750 | 55.208 | 57.813 | 41.667 | 125.521 | 471904.550 | 3588.472 |
| σ | | 7889.748 | 1.563 | 10.404 | 11.797 | 7.864 | 20.333 | 4476.739 | 115.594 |
| %RSD | | 1.513 | 8.333 | 18.844 | 20.405 | 18.875 | 16.199 | 0.949 | 3.221 |

**C1867-17X25 MF3T78** 05/01/2011 11:30:01 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:31:09 | 18037.943 | 2.083 | 695.329 | 290.628 | 5916128.100 | 867187.770 | 113640.830 | 136224.540 | 526.572 |
| 2 | 11:32:17 | 17944.075 | 2.083 | 703.142 | 300.003 | 5926853.900 | 864870.590 | 113603.030 | 136883.930 | 520.322 |
| 3 | 11:33:26 | 17332.383 | 1.563 | 803.148 | 296.878 | 6077558.000 | 895188.990 | 117785.140 | 142332.090 | 537.510 |
| x | | 17771.467 | 1.910 | 733.873 | 295.836 | 5973513.400 | 875749.120 | 115009.670 | 138480.190 | 528.135 |
| σ | | 383.143 | 0.301 | 60.121 | 4.774 | 90264.767 | 16875.241 | 2403.700 | 3352.101 | 8.700 |
| %RSD | | 2.156 | 15.746 | 8.192 | 1.614 | 1.511 | 1.927 | 2.090 | 2.421 | 1.647 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:31:09 | 67276.794 | 914.092 | 32989.610 | 111880.140 | 240331.270 | 11169.990 | 186088.550 | 67144.925 | 1.563 |
| 2 | 11:32:17 | 68162.226 | 950.032 | 32605.918 | 111533.700 | 240131.070 | 11346.692 | 185221.130 | 66570.371 | 12.500 |
| 3 | 11:33:26 | 69741.697 | 962.532 | 33495.472 | 110636.130 | 244027.520 | 11601.584 | 192489.710 | 65050.895 | 3.125 |
| x | | 68393.572 | 942.219 | 33030.333 | 111349.990 | 241496.620 | 11372.755 | 187933.130 | 66255.397 | 5.729 |
| σ | | 1248.631 | 25.148 | 446.173 | 642.028 | 2194.107 | 216.974 | 3969.880 | 1081.964 | 5.916 |
| %RSD | | 1.826 | 2.669 | 1.351 | 0.577 | 0.909 | 1.908 | 2.112 | 1.633 | 103.253 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:31:09 | 15799.357 | 2442.396 | 5207.199 | 3184.730 | 292.190 | 42862.643 | 2054.835 | 43.750 | 40.625 |
| 2 | 11:32:17 | 15708.632 | 2498.656 | 5008.690 | 3147.222 | 245.315 | 42428.538 | 2076.713 | 43.750 | 59.375 |
| 3 | 11:33:26 | 15572.546 | 2609.613 | 5050.893 | 3158.162 | 264.065 | 42138.619 | 2103.280 | 43.750 | 48.438 |
| x | | 15693.511 | 2516.889 | 5088.927 | 3163.371 | 267.190 | 42476.600 | 2078.276 | 43.750 | 49.479 |
| σ | | 114.159 | 85.086 | 104.577 | 19.289 | 23.594 | 364.397 | 24.260 | 0.000 | 9.418 |
| %RSD | | 0.727 | 3.381 | 2.055 | 0.610 | 8.830 | 0.858 | 1.167 | 0.000 | 19.035 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:31:09 | 100.000 | 46.875 | 148.438 | 175.001 | 64.063 | 64.063 | 157.293 | 30.729 | 26.042 |
| 2 | 11:32:17 | 93.750 | 53.125 | 121.876 | 180.730 | 53.125 | 53.125 | 172.918 | 28.646 | 21.875 |
| 3 | 11:33:26 | 106.250 | 46.875 | 162.501 | 180.730 | 53.125 | 53.125 | 166.668 | 40.625 | 21.354 |
| x | | 100.000 | 48.958 | 144.272 | 178.821 | 56.771 | 56.771 | 165.626 | 33.333 | 23.090 |
| σ | | 6.250 | 3.608 | 20.631 | 3.308 | 6.315 | 6.315 | 7.865 | 6.400 | 2.569 |
| %RSD | | 6.250 | 7.370 | 14.300 | 1.850 | 11.123 | 11.123 | 4.748 | 19.200 | 11.127 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:31:09 | 15.625 | 15.625 | 17.188 | 18.750 | 20.313 | 0.000 | 181846.950 | 117.188 | 4.688 |
| 2 | 11:32:17 | 29.688 | 17.188 | 21.875 | 12.500 | 32.813 | 1.563 | 183002.180 | 129.688 | 17.188 |
| 3 | 11:33:26 | 18.750 | 9.375 | 15.625 | 15.625 | 42.188 | 9.375 | 181011.440 | 148.438 | 7.813 |
| x | | 21.354 | 14.063 | 18.229 | 15.625 | 31.771 | 3.646 | 181953.520 | 131.771 | 9.896 |
| σ | | 7.384 | 4.134 | 3.253 | 3.125 | 10.975 | 5.023 | 999.644 | 15.729 | 6.505 |
| %RSD | | 34.579 | 29.397 | 17.843 | 20.000 | 34.543 | 137.766 | 0.549 | 11.937 | 65.737 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:31:09 | 1.563 | 1.563 | 6.250 | 0.000 | 56.250 | 28.125 | 143.751 | 251.565 | 479135.260 |
| 2 | 11:32:17 | 1.563 | 1.563 | 14.063 | 1.563 | 45.313 | 29.688 | 129.688 | 237.502 | 486200.880 |
| 3 | 11:33:26 | 0.000 | 0.000 | 4.688 | 1.563 | 56.250 | 18.750 | 167.188 | 282.815 | 475065.160 |
| x | | 1.042 | 1.042 | 8.333 | 1.042 | 52.604 | 25.521 | 146.876 | 257.294 | 480133.770 |
| σ | | 0.902 | 0.902 | 5.023 | 0.902 | 6.315 | 5.916 | 18.945 | 23.194 | 5634.610 |
| %RSD | | 86.603 | 86.603 | 60.273 | 86.603 | 12.004 | 23.179 | 12.898 | 9.014 | 1.174 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:31:09 | 520423.920 | 15.625 | 62.500 | 43.750 | 29.688 | 87.500 | 469624.000 | 3547.315 |
| 2 | 11:32:17 | 523529.680 | 20.313 | 50.000 | 56.250 | 56.250 | 95.313 | 476810.970 | 3511.369 |
| 3 | 11:33:26 | 511845.630 | 28.125 | 71.875 | 50.000 | 53.125 | 107.813 | 465082.100 | 3662.970 |
| x | | 518599.740 | 21.354 | 61.458 | 50.000 | 46.354 | 96.875 | 470505.690 | 3573.885 |
| σ | | 6051.856 | 6.315 | 10.975 | 6.250 | 14.518 | 10.246 | 5913.933 | 79.216 |
| %RSD | | 1.167 | 29.572 | 17.857 | 12.500 | 31.320 | 10.577 | 1.257 | 2.217 |

**C1867-18X25 MF3T93** 05/01/2011 11:37:58 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:39:06 | 17668.732 | 2.604 | 556.261 | 279.690 | 5371396.300 | 771718.820 | 100678.520 | 121164.790 | 634.389 |
| 2 | 11:40:14 | 17646.830 | 2.083 | 654.703 | 300.003 | 5382784.800 | 763869.140 | 100700.550 | 121062.360 | 671.891 |
| 3 | 11:41:22 | 17886.190 | 2.083 | 607.825 | 268.753 | 5467449.300 | 777903.110 | 101817.800 | 122978.620 | 623.451 |
| x | | 17733.917 | 2.257 | 606.263 | 282.815 | 5407210.100 | 771163.690 | 101065.620 | 121735.260 | 643.244 |
| σ | | 132.326 | 0.301 | 49.239 | 15.858 | 52478.482 | 7033.433 | 651.498 | 1078.005 | 25.405 |
| %RSD | | 0.746 | 13.323 | 8.122 | 5.607 | 0.971 | 0.912 | 0.645 | 0.886 | 3.949 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:39:06 | 47340.811 | 960.970 | 28910.474 | 108318.480 | 218703.560 | 7451.943 | 124420.720 | 66005.258 | 12.500 |
| 2 | 11:40:14 | 47644.944 | 1004.723 | 28695.980 | 111130.580 | 217681.890 | 7655.176 | 124937.700 | 66922.008 | 10.938 |
| 3 | 11:41:22 | 48341.027 | 918.780 | 29186.033 | 110815.640 | 220153.710 | 7861.538 | 127642.710 | 66330.195 | 10.938 |
| x | | 47775.594 | 961.491 | 28930.829 | 110088.230 | 218846.390 | 7656.219 | 125667.040 | 66419.154 | 11.458 |
| σ | | 512.748 | 42.974 | 245.660 | 1540.722 | 1242.085 | 204.799 | 1730.392 | 464.804 | 0.902 |
| %RSD | | 1.073 | 4.470 | 0.849 | 1.400 | 0.568 | 2.675 | 1.377 | 0.700 | 7.873 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:39:06 | 13900.510 | 428.131 | 4247.506 | 3123.779 | 193.751 | 43053.842 | 1743.856 | 42.188 | 48.438 |
| 2 | 11:40:14 | 13856.717 | 426.569 | 4150.603 | 3125.342 | 223.439 | 43058.544 | 1845.432 | 39.063 | 35.938 |
| 3 | 11:41:22 | 13719.084 | 448.445 | 4338.159 | 3092.522 | 210.939 | 43035.036 | 1715.728 | 37.500 | 43.750 |
| x | | 13825.437 | 434.382 | 4245.423 | 3113.881 | 209.377 | 43049.140 | 1768.339 | 39.583 | 42.708 |
| σ | | 94.671 | 12.204 | 93.795 | 18.514 | 14.906 | 12.439 | 68.230 | 2.387 | 6.315 |
| %RSD | | 0.685 | 2.809 | 2.209 | 0.595 | 7.119 | 0.029 | 3.858 | 6.030 | 14.786 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:39:06 | 95.313 | 56.250 | 139.063 | 159.897 | 56.250 | 56.250 | 186.460 | 29.167 | 25.521 |
| 2 | 11:40:14 | 106.250 | 40.625 | 139.063 | 175.001 | 48.438 | 48.438 | 166.668 | 28.125 | 20.833 |
| 3 | 11:41:22 | 87.500 | 37.500 | 129.688 | 142.709 | 51.563 | 51.563 | 196.356 | 28.646 | 18.750 |
| x | | 96.354 | 44.792 | 135.938 | 159.202 | 52.083 | 52.083 | 183.161 | 28.646 | 21.701 |
| σ | | 9.418 | 10.046 | 5.413 | 16.157 | 3.932 | 3.932 | 15.116 | 0.521 | 3.468 |
| %RSD | | 9.775 | 22.427 | 3.982 | 10.149 | 7.550 | 7.550 | 8.253 | 1.818 | 15.980 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:39:06 | 34.375 | 50.000 | 51.563 | 21.875 | 62.500 | 1.563 | 184401.250 | 123.438 | 7.813 |
| 2 | 11:40:14 | 29.688 | 51.563 | 65.625 | 23.438 | 76.563 | 1.563 | 184640.250 | 134.376 | 7.813 |
| 3 | 11:41:22 | 39.063 | 48.438 | 57.813 | 26.563 | 64.063 | 1.563 | 183084.480 | 132.813 | 4.688 |
| x | | 34.375 | 50.000 | 58.333 | 23.958 | 67.708 | 1.563 | 184041.990 | 130.209 | 6.771 |
| σ | | 4.688 | 1.563 | 7.046 | 2.387 | 7.708 | 0.000 | 837.798 | 5.916 | 1.804 |
| %RSD | | 13.636 | 3.125 | 12.078 | 9.962 | 11.384 | 0.000 | 0.455 | 4.543 | 26.647 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:39:06 | 0.000 | 0.000 | 1.563 | 3.125 | 59.375 | 26.563 | 331.254 | 631.264 | 485043.780 |
| 2 | 11:40:14 | 0.000 | 0.000 | 10.938 | 4.688 | 48.438 | 6.250 | 373.442 | 621.889 | 489443.200 |
| 3 | 11:41:22 | 0.000 | 0.000 | 4.688 | 0.000 | 40.625 | 17.188 | 337.504 | 570.324 | 485845.340 |
| x | | 0.000 | 0.000 | 5.729 | 2.604 | 49.479 | 16.667 | 347.400 | 607.825 | 486777.440 |
| σ | | 0.000 | 0.000 | 4.774 | 2.387 | 9.418 | 10.166 | 22.769 | 32.814 | 2343.148 |
| %RSD | | 0.000 | 0.000 | 83.320 | 91.652 | 19.035 | 60.998 | 6.554 | 5.399 | 0.481 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:39:06 | 525564.900 | 45.313 | 90.625 | 76.563 | 42.188 | 156.251 | 476920.790 | 6043.466 |
| 2 | 11:40:14 | 529736.700 | 37.500 | 64.063 | 62.500 | 45.313 | 160.938 | 480723.230 | 6060.660 |
| 3 | 11:41:22 | 522274.010 | 34.375 | 81.250 | 56.250 | 56.250 | 117.188 | 473705.490 | 6246.678 |
| x | | 525858.540 | 39.063 | 78.646 | 65.104 | 47.917 | 144.792 | 477116.500 | 6116.935 |
| σ | | 3739.998 | 5.634 | 13.471 | 10.404 | 7.384 | 24.021 | 3512.964 | 112.689 |
| %RSD | | 0.711 | 14.422 | 17.129 | 15.980 | 15.410 | 16.590 | 0.736 | 1.842 |

**C1867-19X25 MF3T93D** 05/01/2011 11:45:55 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:47:03 | 18047.330 | 1.042 | 587.512 | 304.691 | 5423801.800 | 772853.040 | 101263.890 | 121807.720 | 562.511 |
| 2 | 11:48:11 | 17617.106 | 2.604 | 571.886 | 325.004 | 5483698.600 | 778503.570 | 102835.990 | 124628.770 | 667.203 |
| 3 | 11:49:20 | 17576.431 | 1.042 | 581.262 | 312.503 | 5430813.800 | 772060.110 | 101943.690 | 124032.990 | 581.262 |
| x | | 17746.956 | 1.563 | 580.220 | 314.066 | 5446104.700 | 774472.240 | 102014.520 | 123489.830 | 603.659 |
| σ | | 260.926 | 0.902 | 7.865 | 10.246 | 32745.436 | 3513.676 | 788.444 | 1486.894 | 55.824 |
| %RSD | | 1.470 | 57.735 | 1.355 | 3.262 | 0.601 | 0.454 | 0.773 | 1.204 | 9.248 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:47:03 | 46431.584 | 960.970 | 28960.575 | 107616.320 | 216611.110 | 7573.882 | 123575.930 | 66400.835 | 9.375 |
| 2 | 11:48:11 | 48287.722 | 912.529 | 29356.695 | 108425.530 | 216814.150 | 7828.707 | 126789.850 | 66672.408 | 7.813 |
| 3 | 11:49:20 | 46908.137 | 954.719 | 29392.707 | 110031.490 | 217523.250 | 7483.209 | 124316.690 | 65761.952 | 10.938 |
| x | | 47209.148 | 942.739 | 29236.659 | 108691.120 | 216982.840 | 7628.600 | 124894.160 | 66278.398 | 9.375 |
| σ | | 963.985 | 26.349 | 239.773 | 1229.293 | 478.895 | 179.130 | 1682.978 | 467.413 | 1.563 |
| %RSD | | 2.042 | 2.795 | 0.820 | 1.131 | 0.221 | 2.348 | 1.348 | 0.705 | 16.667 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:47:03 | 12918.338 | 387.505 | 3823.949 | 3092.522 | 221.877 | 43522.446 | 1903.252 | 15.625 | 54.688 |
| 2 | 11:48:11 | 12935.541 | 362.505 | 3930.228 | 3030.009 | 206.251 | 43459.756 | 1895.438 | 29.688 | 62.500 |
| 3 | 11:49:20 | 12699.392 | 381.255 | 4103.714 | 3080.020 | 203.126 | 43660.366 | 1895.438 | 25.000 | 48.438 |
| x | | 12851.091 | 377.088 | 3952.631 | 3067.517 | 210.418 | 43547.523 | 1898.043 | 23.438 | 55.208 |
| σ | | 131.656 | 13.011 | 141.222 | 33.079 | 10.046 | 102.629 | 4.511 | 7.160 | 7.046 |
| %RSD | | 1.024 | 3.450 | 3.573 | 1.078 | 4.774 | 0.236 | 0.238 | 30.551 | 12.762 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:47:03 | 106.250 | 46.875 | 112.500 | 143.751 | 32.813 | 32.813 | 171.876 | 32.292 | 15.104 |
| 2 | 11:48:11 | 103.125 | 43.750 | 125.001 | 138.022 | 46.875 | 46.875 | 181.251 | 33.854 | 22.396 |
| 3 | 11:49:20 | 76.563 | 50.000 | 132.813 | 151.563 | 53.125 | 53.125 | 167.709 | 25.521 | 26.563 |
| x | | 95.313 | 46.875 | 123.438 | 144.445 | 44.271 | 44.271 | 173.612 | 30.556 | 21.354 |
| σ | | 16.313 | 3.125 | 10.246 | 6.798 | 10.404 | 10.404 | 6.936 | 4.430 | 5.800 |
| %RSD | | 17.115 | 6.667 | 8.301 | 4.706 | 23.500 | 23.500 | 3.995 | 14.497 | 27.160 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:47:03 | 37.500 | 46.875 | 51.563 | 34.375 | 65.625 | 6.250 | 182239.400 | 132.813 | 9.375 |
| 2 | 11:48:11 | 29.688 | 43.750 | 42.188 | 34.375 | 73.438 | 4.688 | 180460.780 | 145.313 | 6.250 |
| 3 | 11:49:20 | 26.563 | 40.625 | 43.750 | 37.500 | 101.563 | 0.000 | 180199.710 | 135.938 | 0.000 |
| x | | 31.250 | 43.750 | 45.833 | 35.417 | 80.209 | 3.646 | 180966.630 | 138.022 | 5.208 |
| σ | | 5.634 | 3.125 | 5.023 | 1.804 | 18.901 | 3.253 | 1109.954 | 6.505 | 4.774 |
| %RSD | | 18.028 | 7.143 | 10.959 | 5.094 | 23.565 | 89.214 | 0.613 | 4.713 | 91.652 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:47:03 | 0.000 | 0.000 | 7.813 | 1.563 | 56.250 | 15.625 | 350.004 | 571.886 | 479130.420 |
| 2 | 11:48:11 | 3.125 | 3.125 | 6.250 | 4.688 | 56.250 | 17.188 | 339.067 | 596.887 | 472830.320 |
| 3 | 11:49:20 | 1.563 | 1.563 | 7.813 | 0.000 | 45.313 | 26.563 | 295.316 | 645.327 | 477639.530 |
| x | | 1.563 | 1.563 | 7.292 | 2.083 | 52.604 | 19.792 | 328.129 | 604.700 | 476533.420 |
| σ | | 1.563 | 1.563 | 0.902 | 2.387 | 6.315 | 5.916 | 28.939 | 37.338 | 3292.475 |
| %RSD | | 100.000 | 100.000 | 12.372 | 114.564 | 12.004 | 29.889 | 8.819 | 6.175 | 0.691 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:47:03 | 517150.390 | 21.875 | 56.250 | 43.750 | 29.688 | 112.500 | 470159.950 | 5971.560 |
| 2 | 11:48:11 | 513767.490 | 34.375 | 59.375 | 60.938 | 53.125 | 96.875 | 466234.390 | 5962.181 |
| 3 | 11:49:20 | 516246.700 | 23.438 | 56.250 | 54.688 | 59.375 | 110.938 | 471556.430 | 5938.734 |
| x | | 515721.530 | 26.563 | 57.292 | 53.125 | 47.396 | 106.771 | 469316.920 | 5957.492 |
| σ | | 1751.529 | 6.811 | 1.804 | 8.700 | 15.651 | 8.606 | 2759.356 | 16.908 |
| %RSD | | 0.340 | 25.641 | 3.149 | 16.376 | 33.022 | 8.060 | 0.588 | 0.284 |

**C1867-18LX125 MF3T93L** 05/01/2011 11:53:53 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:55:01 | 17283.887 | 4.167 | 168.751 | 262.502 | 1217767.500 | 155243.650 | 21408.216 | 25073.547 | 2240.801 |
| 2 | 11:56:09 | 17790.758 | 1.563 | 182.814 | 290.628 | 1194840.100 | 151623.830 | 20965.373 | 24686.937 | 2234.550 |
| 3 | 11:57:18 | 17687.505 | 2.083 | 171.876 | 253.127 | 1197236.000 | 149893.210 | 20575.744 | 24899.806 | 2248.615 |
| x | | 17587.384 | 2.604 | 174.480 | 268.753 | 1203281.200 | 152253.560 | 20983.111 | 24886.763 | 2241.322 |
| σ | | 267.858 | 1.378 | 7.384 | 19.516 | 12602.559 | 2730.241 | 416.519 | 193.635 | 7.047 |
| %RSD | | 1.523 | 52.915 | 4.232 | 7.262 | 1.047 | 1.793 | 1.985 | 0.778 | 0.314 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:55:01 | 10369.387 | 984.409 | 19788.696 | 88328.476 | 124638.230 | 1576.650 | 26584.087 | 65400.925 | 12.500 |
| 2 | 11:56:09 | 10150.480 | 971.908 | 19625.972 | 87998.322 | 123891.150 | 1525.081 | 26120.733 | 66013.106 | 10.938 |
| 3 | 11:57:18 | 10125.462 | 890.653 | 19278.625 | 87548.698 | 123342.680 | 1614.154 | 26352.408 | 66430.660 | 32.813 |
| x | | 10215.110 | 948.990 | 19564.431 | 87958.499 | 123957.350 | 1571.962 | 26352.410 | 65948.231 | 18.750 |
| σ | | 134.192 | 50.907 | 260.545 | 391.411 | 650.306 | 44.721 | 231.677 | 517.924 | 12.204 |
| %RSD | | 1.314 | 5.364 | 1.332 | 0.445 | 0.525 | 2.845 | 0.879 | 0.785 | 65.085 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:55:01 | 9238.924 | 326.566 | 2976.873 | 3328.513 | 200.001 | 45260.648 | 1231.303 | 15.625 | 26.563 |
| 2 | 11:56:09 | 8866.813 | 395.318 | 2989.375 | 3178.479 | 167.188 | 45041.206 | 1234.428 | 20.313 | 25.000 |
| 3 | 11:57:18 | 8819.909 | 342.192 | 2958.119 | 3305.070 | 198.439 | 43409.604 | 1304.747 | 18.750 | 26.563 |
| x | | 8975.216 | 354.692 | 2974.789 | 3270.687 | 188.543 | 44570.486 | 1256.826 | 18.229 | 26.042 |
| σ | | 229.579 | 36.040 | 15.732 | 80.711 | 18.510 | 1011.323 | 41.530 | 2.387 | 0.902 |
| %RSD | | 2.558 | 10.161 | 0.529 | 2.468 | 9.817 | 2.269 | 3.304 | 13.093 | 3.464 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:55:01 | 109.375 | 48.438 | 1729.792 | 93.750 | 45.313 | 45.313 | 158.334 | 24.479 | 20.833 |
| 2 | 11:56:09 | 107.813 | 54.688 | 1626.655 | 93.750 | 28.125 | 28.125 | 157.813 | 26.042 | 23.958 |
| 3 | 11:57:18 | 112.500 | 35.938 | 1648.533 | 87.500 | 39.063 | 39.063 | 169.272 | 18.750 | 26.042 |
| x | | 109.896 | 46.354 | 1668.327 | 91.667 | 37.500 | 37.500 | 161.806 | 23.090 | 23.611 |
| σ | | 2.387 | 9.547 | 54.343 | 3.608 | 8.700 | 8.700 | 6.470 | 3.839 | 2.621 |
| %RSD | | 2.172 | 20.596 | 3.257 | 3.936 | 23.199 | 23.199 | 3.999 | 16.627 | 11.103 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:55:01 | 25.000 | 3.125 | 18.750 | 26.563 | 18.750 | 1.563 | 180539.900 | 118.750 | 1.563 |
| 2 | 11:56:09 | 15.625 | 20.313 | 20.313 | 15.625 | 18.750 | 3.125 | 187334.360 | 143.751 | 4.688 |
| 3 | 11:57:18 | 15.625 | 6.250 | 15.625 | 7.813 | 20.313 | 4.688 | 187508.490 | 107.813 | 4.688 |
| x | | 18.750 | 9.896 | 18.229 | 16.667 | 19.271 | 3.125 | 185127.580 | 123.438 | 3.646 |
| σ | | 5.413 | 9.155 | 2.387 | 9.418 | 0.902 | 1.563 | 3974.005 | 18.422 | 1.804 |
| %RSD | | 28.868 | 92.518 | 13.093 | 56.510 | 4.681 | 50.000 | 2.147 | 14.924 | 49.487 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:55:01 | 0.000 | 0.000 | 0.000 | 1.563 | 68.750 | 17.188 | 75.000 | 150.001 | 474454.750 |
| 2 | 11:56:09 | 0.000 | 0.000 | 3.125 | 1.563 | 46.875 | 12.500 | 89.063 | 178.126 | 494941.930 |
| 3 | 11:57:18 | 1.563 | 1.563 | 4.688 | 3.125 | 54.688 | 12.500 | 106.250 | 150.001 | 496840.530 |
| x | | 0.521 | 0.521 | 2.604 | 2.083 | 56.771 | 14.063 | 90.104 | 159.376 | 488745.740 |
| σ | | 0.902 | 0.902 | 2.387 | 0.902 | 11.085 | 2.706 | 15.651 | 16.238 | 12412.714 |
| %RSD | | 173.205 | 173.205 | 91.652 | 43.301 | 19.526 | 19.245 | 17.370 | 10.189 | 2.540 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:55:01 | 515053.190 | 34.375 | 82.813 | 76.563 | 65.625 | 167.188 | 474675.980 | 1301.622 |
| 2 | 11:56:09 | 530863.320 | 35.938 | 92.188 | 71.875 | 64.063 | 153.126 | 494369.490 | 1356.314 |
| 3 | 11:57:18 | 539241.970 | 34.375 | 71.875 | 68.750 | 56.250 | 164.063 | 489706.690 | 1248.492 |
| x | | 528386.160 | 34.896 | 82.292 | 72.396 | 61.979 | 161.459 | 486250.720 | 1302.143 |
| σ | | 12283.177 | 0.902 | 10.166 | 3.932 | 5.023 | 7.384 | 10291.568 | 53.913 |
| %RSD | | 2.325 | 2.585 | 12.354 | 5.432 | 8.104 | 4.573 | 2.117 | 4.140 |

**CCV** 05/01/2011 12:01:50 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:02:58 | 15539.697 | 26372.237 | 5235.334 | 268.753 | 21267953.000 | 14378931.000 | 1953717.000 | 2331028.500 | 3303948.400 |
| 2 | 12:04:06 | 15524.055 | 26656.096 | 5224.393 | 342.192 | 21108713.000 | 14353037.000 | 1960895.900 | 2314733.900 | 3324491.900 |
| 3 | 12:05:14 | 15355.123 | 27544.237 | 5472.923 | 331.254 | 21667059.000 | 14784171.000 | 2009386.700 | 2402385.300 | 3408822.700 |
| x | | 15472.958 | 26857.523 | 5310.883 | 314.066 | 21347908.000 | 14505380.000 | 1974666.600 | 2349382.600 | 3345754.400 |
| σ | | 102.348 | 611.413 | 140.437 | 39.622 | 287631.770 | 241787.460 | 30282.032 | 46619.169 | 55576.302 |
| %RSD | | 0.661 | 2.277 | 2.644 | 12.616 | 1.347 | 1.667 | 1.534 | 1.984 | 1.661 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:02:58 | 32018.402 | 164175.490 | 15677.348 | 74474.873 | 9782759.800 | 50027.144 | 750769.690 | 59056.190 | 24060.870 |
| 2 | 12:04:06 | 31876.154 | 164616.450 | 15913.546 | 75228.808 | 9770081.000 | 49963.890 | 748645.250 | 59616.322 | 24120.346 |
| 3 | 12:05:14 | 32824.473 | 169172.340 | 15846.284 | 77500.277 | 9932094.500 | 51918.997 | 765102.460 | 58037.968 | 24677.546 |
| x | | 32239.676 | 165988.090 | 15812.392 | 75734.653 | 9828311.800 | 50636.677 | 754839.130 | 58903.493 | 24286.254 |
| σ | | 511.418 | 2766.439 | 121.692 | 1574.857 | 90101.783 | 1110.972 | 8951.548 | 800.180 | 340.171 |
| %RSD | | 1.586 | 1.667 | 0.770 | 2.079 | 0.917 | 2.194 | 1.186 | 1.358 | 1.401 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:02:58 | 377884.200 | 355593.100 | 45519.280 | 1335417.300 | 1009353.600 | 22880914.000 | 572503.620 | 433378.500 | 92040.864 |
| 2 | 12:04:06 | 374993.890 | 354148.490 | 46122.773 | 1341568.000 | 1003330.400 | 22880565.000 | 566830.260 | 428564.620 | 93031.625 |
| 3 | 12:05:14 | 385563.480 | 363321.450 | 46726.292 | 1379493.600 | 1038565.000 | 23501653.000 | 582963.300 | 439120.210 | 95644.105 |
| x | | 379480.520 | 357687.680 | 46122.782 | 1352159.600 | 1017083.000 | 23087711.000 | 574099.060 | 433687.780 | 93572.198 |
| σ | | 5462.622 | 4932.163 | 603.506 | 23870.852 | 18846.124 | 358484.280 | 8183.998 | 5284.589 | 1861.451 |
| %RSD | | 1.439 | 1.379 | 1.308 | 1.765 | 1.853 | 1.553 | 1.426 | 1.219 | 1.989 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:02:58 | 471916.460 | 225658.930 | 172453.410 | 68263.751 | 4463.197 | 4463.197 | 14407.783 | 6127.877 | 18.229 |
| 2 | 12:04:06 | 467737.020 | 225724.010 | 173174.560 | 67787.010 | 4403.804 | 4403.804 | 14346.262 | 6111.724 | 26.563 |
| 3 | 12:05:14 | 477248.660 | 232917.800 | 176203.440 | 69508.272 | 4511.650 | 4511.650 | 14656.994 | 6222.188 | 20.313 |
| x | | 472300.710 | 228100.240 | 173943.800 | 68519.677 | 4459.550 | 4459.550 | 14470.346 | 6153.929 | 21.701 |
| σ | | 4767.450 | 4172.250 | 1989.848 | 888.712 | 54.015 | 54.015 | 164.543 | 59.663 | 4.337 |
| %RSD | | 1.009 | 1.829 | 1.144 | 1.297 | 1.211 | 1.211 | 1.137 | 0.970 | 19.984 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:02:58 | 133697.710 | 145438.140 | 164562.720 | 91781.390 | 239323.940 | 3.125 | 166293.520 | 10364.696 | 450768.460 |
| 2 | 12:04:06 | 133174.110 | 145237.680 | 166736.140 | 92122.638 | 242489.150 | 1.563 | 166280.880 | 10517.933 | 453456.230 |
| 3 | 12:05:14 | 136298.680 | 148983.770 | 169265.620 | 93912.360 | 245051.070 | 1.563 | 162222.110 | 10771.247 | 459764.050 |
| x | | 134390.170 | 146553.200 | 166854.830 | 92605.463 | 242288.050 | 2.083 | 164932.170 | 10551.292 | 454662.910 |
| σ | | 1673.428 | 2107.325 | 2353.700 | 1144.595 | 2868.852 | 0.902 | 2346.989 | 205.318 | 4617.601 |
| %RSD | | 1.245 | 1.438 | 1.411 | 1.236 | 1.184 | 43.301 | 1.423 | 1.946 | 1.016 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:02:58 | 7612.966 | 7612.966 | 441204.860 | 111185.690 | 306525.490 | 433982.360 | 396294.980 | 704352.420 | 465740.540 |
| 2 | 12:04:06 | 7597.332 | 7597.332 | 446016.490 | 111840.770 | 307398.650 | 436699.230 | 398561.430 | 703671.630 | 466503.910 |
| 3 | 12:05:14 | 7844.341 | 7844.341 | 452383.960 | 115431.670 | 311923.280 | 442825.750 | 405065.580 | 710167.460 | 452633.880 |
| x | | 7684.879 | 7684.879 | 446535.110 | 112819.380 | 308615.810 | 437835.780 | 399974.000 | 706063.840 | 461626.110 |
| σ | | 138.318 | 138.318 | 5607.565 | 2285.898 | 2897.433 | 4529.923 | 4552.733 | 3570.108 | 7796.848 |
| %RSD | | 1.800 | 1.800 | 1.256 | 2.026 | 0.939 | 1.035 | 1.138 | 0.506 | 1.689 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:02:58 | 504544.230 | 931206.180 | 2236224.800 | 739607.900 | 703671.630 | 1658826.400 | 454218.960 | 4413428.700 |
| 2 | 12:04:06 | 507292.140 | 934328.620 | 2249059.400 | 750657.780 | 703273.020 | 1664298.900 | 456400.930 | 4405151.400 |
| 3 | 12:05:14 | 487661.940 | 948147.570 | 2289510.400 | 762883.710 | 716406.770 | 1700434.100 | 440520.150 | 4430056.000 |
| x | | 499832.770 | 937894.120 | 2258264.800 | 751049.800 | 707783.810 | 1674519.800 | 450380.010 | 4416212.100 |
| σ | | 10629.421 | 9015.945 | 27809.963 | 11642.854 | 7470.362 | 22608.641 | 8608.307 | 12683.455 |
| %RSD | | 2.127 | 0.961 | 1.231 | 1.550 | 1.055 | 1.350 | 1.911 | 0.287 |

**CCB** 05/01/2011 12:09:45 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:10:53 | 16900.616 | 9.896 | 118.750 | 281.253 | 123205.570 | 2861.224 | 412.506 | 470.320 | 735.956 |
| 2 | 12:12:01 | 16265.505 | 13.542 | 123.438 | 237.502 | 126444.620 | 4575.733 | 631.264 | 801.585 | 1153.172 |
| 3 | 12:13:09 | 16321.819 | 9.896 | 101.563 | 226.564 | 123142.530 | 2908.109 | 431.257 | 448.445 | 882.840 |
| x | | 16495.980 | 11.111 | 114.584 | 248.440 | 124264.240 | 3448.355 | 491.675 | 573.450 | 923.989 |
| σ | | 351.555 | 2.105 | 11.517 | 28.938 | 1888.531 | 976.619 | 121.250 | 197.873 | 211.630 |
| %RSD | | 2.131 | 18.944 | 10.052 | 11.648 | 1.520 | 28.321 | 24.661 | 34.506 | 22.904 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:10:53 | 562.511 | 960.970 | 17169.687 | 79643.265 | 95329.512 | 12.500 | 446.882 | 60752.343 | 76.563 |
| 2 | 12:12:01 | 528.135 | 965.658 | 17021.072 | 80190.061 | 97618.329 | 20.313 | 535.948 | 59299.382 | 51.563 |
| 3 | 12:13:09 | 525.010 | 920.342 | 17188.459 | 79885.235 | 94423.525 | 6.250 | 479.696 | 60691.146 | 18.750 |
| x | | 538.552 | 948.990 | 17126.406 | 79906.187 | 95790.455 | 13.021 | 487.508 | 60247.624 | 48.958 |
| σ | | 20.808 | 24.920 | 91.704 | 273.999 | 1646.525 | 7.046 | 45.044 | 821.771 | 28.994 |
| %RSD | | 3.864 | 2.626 | 0.535 | 0.343 | 1.719 | 54.111 | 9.240 | 1.364 | 59.222 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:10:53 | 8444.683 | 343.754 | 2844.033 | 3030.009 | 282.815 | 38428.178 | 1396.943 | 70.313 | 31.250 |
| 2 | 12:12:01 | 8449.373 | 362.505 | 2800.274 | 2981.561 | 429.694 | 40969.601 | 1396.943 | 125.001 | 56.250 |
| 3 | 12:13:09 | 7953.776 | 362.505 | 2717.446 | 2864.350 | 315.628 | 38926.400 | 1156.297 | 104.688 | 32.813 |
| x | | 8282.611 | 356.254 | 2787.251 | 2958.640 | 342.713 | 39441.393 | 1316.728 | 100.000 | 40.104 |
| σ | | 284.789 | 10.826 | 64.291 | 85.175 | 77.094 | 1346.708 | 138.937 | 27.644 | 14.005 |
| %RSD | | 3.438 | 3.039 | 2.307 | 2.879 | 22.495 | 3.414 | 10.552 | 27.644 | 34.920 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:10:53 | 125.001 | 40.625 | 85.938 | 94.271 | 31.250 | 31.250 | 132.292 | 20.313 | 23.958 |
| 2 | 12:12:01 | 184.376 | 85.938 | 89.063 | 100.521 | 15.625 | 15.625 | 153.126 | 20.313 | 18.750 |
| 3 | 12:13:09 | 101.563 | 48.438 | 65.625 | 92.709 | 29.688 | 29.688 | 134.896 | 19.792 | 22.396 |
| x | | 136.980 | 58.333 | 80.209 | 95.834 | 25.521 | 25.521 | 140.105 | 20.139 | 21.701 |
| σ | | 42.687 | 24.223 | 12.726 | 4.134 | 8.606 | 8.606 | 11.351 | 0.301 | 2.673 |
| %RSD | | 31.163 | 41.525 | 15.866 | 4.314 | 33.720 | 33.720 | 8.102 | 1.493 | 12.316 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:10:53 | 150.001 | 164.063 | 210.939 | 123.438 | 314.066 | 1.563 | 171156.710 | 118.750 | 117.188 |
| 2 | 12:12:01 | 126.563 | 150.001 | 178.126 | 82.813 | 273.440 | 0.000 | 166900.540 | 98.438 | 193.751 |
| 3 | 12:13:09 | 76.563 | 101.563 | 129.688 | 81.250 | 151.563 | 3.125 | 170460.960 | 112.500 | 85.938 |
| x | | 117.709 | 138.542 | 172.918 | 95.834 | 246.356 | 1.563 | 169506.070 | 109.896 | 132.292 |
| σ | | 37.511 | 32.788 | 40.875 | 23.919 | 84.569 | 1.563 | 2283.112 | 10.404 | 55.471 |
| %RSD | | 31.868 | 23.666 | 23.638 | 24.959 | 34.328 | 100.000 | 1.347 | 9.467 | 41.931 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:10:53 | 4.688 | 4.688 | 106.250 | 29.688 | 284.378 | 464.070 | 46.875 | 109.375 | 452911.220 |
| 2 | 12:12:01 | 7.813 | 7.813 | 164.063 | 29.688 | 232.814 | 414.069 | 100.000 | 246.877 | 442099.070 |
| 3 | 12:13:09 | 0.000 | 0.000 | 90.625 | 18.750 | 195.314 | 278.128 | 62.500 | 85.938 | 452619.370 |
| x | | 4.167 | 4.167 | 120.313 | 26.042 | 237.502 | 385.422 | 69.792 | 147.397 | 449209.890 |
| σ | | 3.932 | 3.932 | 38.686 | 6.315 | 44.717 | 96.224 | 27.303 | 86.946 | 6159.877 |
| %RSD | | 94.373 | 94.373 | 32.154 | 24.249 | 18.828 | 24.966 | 39.121 | 58.988 | 1.371 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:10:53 | 487894.690 | 267.190 | 587.512 | 196.876 | 162.501 | 343.754 | 451684.210 | 664.078 |
| 2 | 12:12:01 | 477282.580 | 342.192 | 845.338 | 217.189 | 251.565 | 573.449 | 440568.480 | 982.846 |
| 3 | 12:13:09 | 485412.230 | 170.314 | 459.382 | 117.188 | 115.625 | 276.565 | 452346.880 | 703.142 |
| x | | 483529.830 | 259.898 | 630.744 | 177.085 | 176.564 | 397.923 | 448199.860 | 783.356 |
| σ | | 5550.836 | 86.171 | 196.576 | 52.857 | 69.052 | 155.678 | 6617.265 | 173.865 |
| %RSD | | 1.148 | 33.156 | 31.166 | 29.848 | 39.109 | 39.123 | 1.476 | 22.195 |

**C1867-20 MF3T93S** 05/01/2011 12:17:40 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:18:48 | 16578.364 | 2455.419 | 9869.033 | 765.646 | 110116310.000 | 15795533.000 | 2147607.800 | 2543809.200 | 616242.030 |
| 2 | 12:19:56 | 16673.787 | 2509.595 | 10087.936 | 821.899 | 111395020.000 | 16155502.000 | 2179397.600 | 2603014.100 | 622655.070 |
| 3 | 12:21:04 | 16077.792 | 2534.079 | 9958.157 | 745.332 | 111613110.000 | 16192326.000 | 2195204.700 | 2613215.700 | 629573.610 |
| x | | 16443.315 | 2499.698 | 9971.709 | 777.625 | 111041480.000 | 16047787.000 | 2174070.000 | 2586679.700 | 622823.570 |
| σ | | 320.127 | 40.253 | 110.079 | 39.664 | 808609.180 | 219232.750 | 24241.596 | 37475.668 | 6667.388 |
| %RSD | | 1.947 | 1.610 | 1.104 | 5.101 | 0.728 | 1.366 | 1.115 | 1.449 | 1.071 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:18:48 | 994692.550 | 820.336 | 262354.310 | 747080.510 | 2620532.300 | 158412.530 | 2732564.400 | 58563.544 | 115.625 |
| 2 | 12:19:56 | 1010107.300 | 764.083 | 266481.210 | 770860.920 | 2632679.300 | 159957.730 | 2787847.500 | 59096.984 | 75.000 |
| 3 | 12:21:04 | 1011115.600 | 742.207 | 267544.560 | 787762.140 | 2658059.400 | 163440.570 | 2813342.900 | 57708.512 | 92.188 |
| x | | 1005305.200 | 775.542 | 265460.030 | 768567.850 | 2637090.300 | 160603.610 | 2777918.300 | 58456.346 | 94.271 |
| σ | | 9204.612 | 40.305 | 2741.676 | 20437.523 | 19148.450 | 2575.494 | 41294.445 | 700.415 | 20.393 |
| %RSD | | 0.916 | 5.197 | 1.033 | 2.659 | 0.726 | 1.604 | 1.487 | 1.198 | 21.632 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:18:48 | 426386.820 | 127124.050 | 38725.856 | 53815.235 | 462358.290 | 867568.860 | 34374.118 | 394322.770 | 83675.591 |
| 2 | 12:19:56 | 435739.330 | 132439.200 | 40325.585 | 54298.307 | 468547.310 | 882980.830 | 34057.737 | 398111.640 | 84830.811 |
| 3 | 12:21:04 | 444392.030 | 132275.190 | 41770.353 | 55407.241 | 479225.720 | 887551.430 | 33789.914 | 403482.660 | 85673.317 |
| x | | 435506.060 | 130612.810 | 40273.931 | 54506.928 | 470043.770 | 879367.040 | 34073.923 | 398639.020 | 84726.573 |
| σ | | 9004.869 | 3022.469 | 1522.906 | 816.249 | 8532.708 | 10469.972 | 292.438 | 4602.661 | 1002.934 |
| %RSD | | 2.068 | 2.314 | 3.781 | 1.498 | 1.815 | 1.191 | 0.858 | 1.155 | 1.184 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:18:48 | 105713.130 | 51608.678 | 78915.807 | 6672.391 | 446.882 | 446.882 | 922.426 | 382.818 | 20.313 |
| 2 | 12:19:56 | 108316.900 | 51931.720 | 79035.214 | 6893.329 | 518.759 | 518.759 | 880.235 | 380.734 | 23.958 |
| 3 | 12:21:04 | 108014.630 | 52907.165 | 81209.860 | 6917.299 | 642.202 | 642.202 | 890.653 | 363.025 | 17.188 |
| x | | 107348.220 | 52149.188 | 79720.294 | 6827.673 | 535.948 | 535.948 | 897.771 | 375.526 | 20.486 |
| σ | | 1424.071 | 676.007 | 1291.383 | 135.011 | 98.788 | 98.788 | 21.977 | 10.876 | 3.389 |
| %RSD | | 1.327 | 1.296 | 1.620 | 1.977 | 18.432 | 18.432 | 2.448 | 2.896 | 16.542 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:18:48 | 1784.310 | 940.656 | 1118.794 | 565.636 | 1545.396 | 0.000 | 154918.270 | 1009.411 | 38326.343 |
| 2 | 12:19:56 | 1406.099 | 957.845 | 1056.289 | 578.137 | 1639.157 | 3.125 | 157259.270 | 1026.599 | 39482.610 |
| 3 | 12:21:04 | 1063.234 | 965.658 | 1003.160 | 665.641 | 1589.151 | 4.688 | 155417.400 | 992.222 | 39703.534 |
| x | | 1417.881 | 954.719 | 1059.414 | 603.138 | 1591.235 | 2.604 | 155864.980 | 1009.411 | 39170.829 |
| σ | | 360.682 | 12.790 | 57.880 | 54.489 | 46.915 | 2.387 | 1233.009 | 17.189 | 739.641 |
| %RSD | | 25.438 | 1.340 | 5.463 | 9.034 | 2.948 | 91.652 | 0.791 | 1.703 | 1.888 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:18:48 | 646.890 | 646.890 | 38580.150 | 10342.805 | 190.626 | 80765.162 | 298251.540 | 534699.350 | 443038.440 |
| 2 | 12:19:56 | 662.515 | 662.515 | 38641.252 | 10613.316 | 171.876 | 82115.012 | 302281.810 | 539451.210 | 455497.790 |
| 3 | 12:21:04 | 670.328 | 670.328 | 38982.803 | 10699.318 | 156.251 | 84079.514 | 305985.990 | 545220.400 | 447768.480 |
| x | | 659.911 | 659.911 | 38734.735 | 10551.813 | 172.918 | 82319.896 | 302173.110 | 539790.320 | 448768.240 |
| σ | | 11.934 | 11.934 | 216.995 | 186.044 | 17.211 | 1666.648 | 3868.370 | 5268.714 | 6289.549 |
| %RSD | | 1.808 | 1.808 | 0.560 | 1.763 | 9.954 | 2.025 | 1.280 | 0.976 | 1.402 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:18:48 | 480684.460 | 82419.885 | 199256.550 | 29665.144 | 25546.258 | 62191.328 | 424828.930 | 142060.660 |
| 2 | 12:19:56 | 488652.760 | 83931.774 | 204677.700 | 30062.849 | 25743.487 | 62453.405 | 430601.060 | 146184.770 |
| 3 | 12:21:04 | 485158.520 | 85607.298 | 209636.330 | 30487.184 | 26346.147 | 64796.619 | 427843.480 | 148320.680 |
| x | | 484831.910 | 83986.319 | 204523.530 | 30071.726 | 25878.631 | 63147.117 | 427757.820 | 145522.030 |
| σ | | 3994.177 | 1594.406 | 5191.607 | 411.092 | 416.717 | 1434.508 | 2887.022 | 3182.194 |
| %RSD | | 0.824 | 1.898 | 2.538 | 1.367 | 1.610 | 2.272 | 0.675 | 2.187 |

**C1867-20X25 MF3T93S** 05/01/2011 12:25:36 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:26:44 | 16777.033 | 121.355 | 621.889 | 304.691 | 5316457.200 | 760079.020 | 99421.324 | 119699.390 | 29550.845 |
| 2 | 12:27:52 | 17254.163 | 120.834 | 671.891 | 321.879 | 5332879.800 | 771123.490 | 101101.810 | 122310.430 | 29740.300 |
| 3 | 12:29:00 | 16609.650 | 112.500 | 585.950 | 345.317 | 5385884.300 | 770569.210 | 100121.500 | 122359.280 | 29788.838 |
| x | | 16880.282 | 118.230 | 626.576 | 323.962 | 5345073.700 | 767257.240 | 100214.880 | 121456.360 | 29693.328 |
| σ | | 334.432 | 4.968 | 43.162 | 20.393 | 36284.301 | 6222.695 | 844.124 | 1521.783 | 125.758 |
| %RSD | | 1.981 | 4.202 | 6.889 | 6.295 | 0.679 | 0.811 | 0.842 | 1.253 | 0.424 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:26:44 | 47356.487 | 904.716 | 28107.311 | 124660.290 | 220569.420 | 7442.563 | 125134.730 | 64650.647 | 6.250 |
| 2 | 12:27:52 | 47764.091 | 854.713 | 28201.246 | 124862.040 | 222452.980 | 7312.809 | 125234.030 | 64636.521 | 14.063 |
| 3 | 12:29:00 | 47833.071 | 918.780 | 28617.698 | 123629.520 | 221972.150 | 7664.556 | 125204.080 | 65170.187 | 7.813 |
| x | | 47651.217 | 892.736 | 28308.752 | 124383.950 | 221664.850 | 7473.309 | 125190.950 | 64819.118 | 9.375 |
| σ | | 257.563 | 33.671 | 271.646 | 661.100 | 978.658 | 177.878 | 50.937 | 304.117 | 4.134 |
| %RSD | | 0.541 | 3.772 | 0.960 | 0.531 | 0.442 | 2.380 | 0.041 | 0.469 | 44.096 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:26:44 | 35924.801 | 6446.767 | 7064.246 | 5508.874 | 22077.985 | 80204.202 | 2575.232 | 18554.229 | 3936.480 |
| 2 | 12:27:52 | 34739.062 | 6576.513 | 6997.026 | 5649.554 | 22223.523 | 81079.435 | 2679.939 | 18680.956 | 4163.106 |
| 3 | 12:29:00 | 33352.952 | 6465.525 | 6535.870 | 5461.981 | 22592.851 | 81271.144 | 2504.907 | 18524.503 | 4063.078 |
| x | | 34672.272 | 6496.269 | 6865.714 | 5540.137 | 22298.119 | 80851.594 | 2586.693 | 18586.563 | 4054.221 |
| σ | | 1287.225 | 70.124 | 287.624 | 97.616 | 265.416 | 568.792 | 88.077 | 83.088 | 113.573 |
| %RSD | | 3.713 | 1.079 | 4.189 | 1.762 | 1.190 | 0.704 | 3.405 | 0.447 | 2.801 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:26:44 | 5321.303 | 2653.371 | 3978.679 | 464.591 | 60.938 | 60.938 | 188.022 | 38.542 | 23.958 |
| 2 | 12:27:52 | 5436.972 | 2490.842 | 3888.029 | 465.633 | 64.063 | 64.063 | 205.731 | 30.729 | 22.917 |
| 3 | 12:29:00 | 5271.285 | 2589.297 | 3917.725 | 442.715 | 65.625 | 65.625 | 186.460 | 39.583 | 23.958 |
| x | | 5343.187 | 2577.837 | 3928.144 | 457.646 | 63.542 | 63.542 | 193.404 | 36.285 | 23.611 |
| σ | | 84.984 | 81.868 | 46.214 | 12.941 | 2.387 | 2.387 | 10.704 | 4.839 | 0.601 |
| %RSD | | 1.591 | 3.176 | 1.176 | 2.828 | 3.756 | 3.756 | 5.534 | 13.337 | 2.547 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:26:44 | 56.250 | 65.625 | 76.563 | 42.188 | 110.938 | 7.813 | 184187.580 | 176.564 | 1867.310 |
| 2 | 12:27:52 | 45.313 | 57.813 | 59.375 | 34.375 | 87.500 | 0.000 | 185544.030 | 146.876 | 2043.896 |
| 3 | 12:29:00 | 60.938 | 46.875 | 78.125 | 50.000 | 110.938 | 4.688 | 183258.560 | 159.376 | 1954.821 |
| x | | 54.167 | 56.771 | 71.354 | 42.188 | 103.125 | 4.167 | 184330.060 | 160.938 | 1955.342 |
| σ | | 8.018 | 9.418 | 10.404 | 7.813 | 13.532 | 3.932 | 1149.376 | 14.905 | 88.294 |
| %RSD | | 14.803 | 16.590 | 14.580 | 18.519 | 13.122 | 94.373 | 0.624 | 9.262 | 4.516 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:26:44 | 25.000 | 25.000 | 1918.879 | 443.757 | 70.313 | 3683.287 | 13545.481 | 24546.070 | 485114.880 |
| 2 | 12:27:52 | 34.375 | 34.375 | 1829.805 | 468.758 | 71.875 | 3781.751 | 13925.534 | 24575.808 | 490280.570 |
| 3 | 12:29:00 | 23.438 | 23.438 | 1770.422 | 512.509 | 78.125 | 3753.618 | 14210.189 | 24727.632 | 483148.330 |
| x | | 27.604 | 27.604 | 1839.702 | 475.008 | 73.438 | 3739.552 | 13893.735 | 24616.503 | 486181.260 |
| σ | | 5.916 | 5.916 | 74.722 | 34.800 | 4.134 | 50.716 | 333.493 | 97.382 | 3683.758 |
| %RSD | | 21.430 | 21.430 | 4.062 | 7.326 | 5.629 | 1.356 | 2.400 | 0.396 | 0.758 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:26:44 | 528294.100 | 4188.114 | 10355.314 | 1404.757 | 1178.174 | 2873.727 | 480862.170 | 6417.066 |
| 2 | 12:27:52 | 528499.940 | 4238.129 | 10109.826 | 1379.754 | 1148.484 | 3020.632 | 480266.050 | 6384.239 |
| 3 | 12:29:00 | 524221.560 | 3986.494 | 9933.140 | 1439.135 | 1264.118 | 2770.581 | 479342.030 | 6257.620 |
| x | | 527005.200 | 4137.579 | 10132.760 | 1407.882 | 1196.925 | 2888.313 | 480156.750 | 6352.975 |
| σ | | 2412.901 | 133.212 | 212.020 | 29.814 | 60.055 | 125.662 | 765.942 | 84.195 |
| %RSD | | 0.458 | 3.220 | 2.092 | 2.118 | 5.017 | 4.351 | 0.160 | 1.325 |

**C1867-21 MF3T94** 05/01/2011 12:33:31 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:34:39 | 15622.600 | 5.208 | 10572.661 | 464.070 | 93695382.000 | 11709760.000 | 1598523.600 | 1890719.700 | 1871.998 |
| 2 | 12:35:47 | 15520.927 | 2.604 | 10643.026 | 462.507 | 94446909.000 | 11809427.000 | 1593992.500 | 1893738.800 | 1801.676 |
| 3 | 12:36:55 | 15757.123 | 2.083 | 10619.571 | 459.382 | 94029082.000 | 11805635.000 | 1589510.500 | 1892038.100 | 1823.554 |
| x | | 15633.550 | 3.299 | 10611.752 | 461.987 | 94057124.000 | 11774941.000 | 1594008.900 | 1892165.600 | 1832.409 |
| σ | | 118.478 | 1.674 | 35.828 | 2.387 | 376547.530 | 56479.806 | 4506.556 | 1513.600 | 35.987 |
| %RSD | | 0.758 | 50.756 | 0.338 | 0.517 | 0.400 | 0.480 | 0.283 | 0.080 | 1.964 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:34:39 | 898201.160 | 851.588 | 241332.310 | 633696.920 | 2610528.800 | 138470.990 | 2382044.700 | 57118.649 | 68.750 |
| 2 | 12:35:47 | 903079.110 | 812.523 | 238728.160 | 644730.790 | 2627410.400 | 138824.390 | 2382455.100 | 57201.793 | 43.750 |
| 3 | 12:36:55 | 911708.430 | 792.209 | 237682.820 | 648201.420 | 2616835.800 | 138193.320 | 2378330.600 | 57140.611 | 60.938 |
| x | | 904329.570 | 818.773 | 239247.760 | 642209.710 | 2618258.300 | 138496.230 | 2380943.500 | 57153.684 | 57.813 |
| σ | | 6839.904 | 30.179 | 1879.409 | 7573.773 | 8530.207 | 316.294 | 2272.074 | 43.086 | 12.790 |
| %RSD | | 0.756 | 3.686 | 0.786 | 1.179 | 0.326 | 0.228 | 0.095 | 0.075 | 22.123 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:34:39 | 85151.460 | 2543.977 | 21677.372 | 3128.468 | 639.077 | 48698.488 | 11532.778 | 396.881 | 367.192 |
| 2 | 12:35:47 | 88469.972 | 2551.790 | 23749.412 | 3045.637 | 546.885 | 48406.874 | 11342.001 | 368.755 | 348.442 |
| 3 | 12:36:55 | 91782.962 | 2528.349 | 24743.285 | 3201.921 | 504.696 | 47792.310 | 10802.520 | 357.817 | 342.192 |
| x | | 88468.132 | 2541.372 | 23390.023 | 3125.342 | 563.553 | 48299.224 | 11225.766 | 374.484 | 352.609 |
| σ | | 3315.751 | 11.936 | 1564.233 | 78.189 | 68.723 | 462.581 | 378.751 | 20.152 | 13.011 |
| %RSD | | 3.748 | 0.470 | 6.688 | 2.502 | 12.195 | 0.958 | 3.374 | 5.381 | 3.690 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:34:39 | 1239.116 | 545.323 | 6438.951 | 1459.450 | 385.943 | 385.943 | 535.427 | 212.502 | 18.229 |
| 2 | 12:35:47 | 1276.620 | 589.075 | 6359.228 | 1553.209 | 400.006 | 400.006 | 525.010 | 210.418 | 25.000 |
| 3 | 12:36:55 | 1232.866 | 607.825 | 6531.180 | 1609.987 | 359.380 | 359.380 | 510.947 | 218.752 | 15.104 |
| x | | 1249.534 | 580.741 | 6443.120 | 1540.882 | 381.776 | 381.776 | 523.794 | 213.890 | 19.444 |
| σ | | 23.664 | 32.074 | 86.052 | 76.022 | 20.631 | 20.631 | 12.285 | 4.337 | 5.059 |
| %RSD | | 1.894 | 5.523 | 1.336 | 4.934 | 5.404 | 5.404 | 2.345 | 2.028 | 26.016 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:34:39 | 901.591 | 1518.831 | 1604.778 | 959.407 | 2381.449 | 0.000 | 153335.710 | 103.125 | 54.688 |
| 2 | 12:35:47 | 848.463 | 1351.626 | 1528.207 | 882.840 | 2453.336 | 6.250 | 152563.440 | 112.500 | 25.000 |
| 3 | 12:36:55 | 954.719 | 1381.317 | 1584.463 | 884.402 | 2373.635 | 0.000 | 153016.690 | 84.375 | 39.063 |
| x | | 901.591 | 1417.258 | 1572.482 | 908.883 | 2402.806 | 2.083 | 152971.950 | 100.000 | 39.583 |
| σ | | 53.128 | 89.208 | 39.666 | 43.762 | 43.934 | 3.608 | 388.072 | 14.321 | 14.851 |
| %RSD | | 5.893 | 6.294 | 2.523 | 4.815 | 1.828 | 173.205 | 0.254 | 14.321 | 37.517 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:34:39 | 3.125 | 3.125 | 46.875 | 23.438 | 96.875 | 110.938 | 8821.473 | 16019.915 | 433541.130 |
| 2 | 12:35:47 | 0.000 | 0.000 | 35.938 | 9.375 | 81.250 | 93.750 | 8860.560 | 15968.295 | 430443.290 |
| 3 | 12:36:55 | 0.000 | 0.000 | 23.438 | 7.813 | 78.125 | 106.250 | 8991.891 | 16221.705 | 438870.520 |
| x | | 1.042 | 1.042 | 35.417 | 13.542 | 85.417 | 103.646 | 8891.308 | 16069.971 | 434284.980 |
| σ | | 1.804 | 1.804 | 11.727 | 8.606 | 10.046 | 8.885 | 89.273 | 133.916 | 4262.576 |
| %RSD | | 173.205 | 173.205 | 33.113 | 63.549 | 11.761 | 8.572 | 1.004 | 0.833 | 0.982 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:34:39 | 471178.640 | 145.313 | 389.068 | 631.264 | 625.014 | 1404.757 | 413716.070 | 130468.060 |
| 2 | 12:35:47 | 470492.510 | 128.126 | 351.567 | 667.203 | 593.762 | 1443.823 | 409204.500 | 134391.680 |
| 3 | 12:36:55 | 476334.520 | 128.126 | 218.752 | 656.265 | 539.073 | 1340.688 | 412088.780 | 133478.490 |
| x | | 472668.560 | 133.855 | 319.795 | 651.577 | 585.950 | 1396.423 | 411669.780 | 132779.410 |
| σ | | 3193.302 | 9.923 | 89.493 | 18.422 | 43.500 | 52.070 | 2284.781 | 2053.104 |
| %RSD | | 0.676 | 7.413 | 27.984 | 2.827 | 7.424 | 3.729 | 0.555 | 1.546 |

**C1867-22 MF3TB0** 05/01/2011 12:41:27 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:42:35 | 16019.915 | 5.729 | 9013.780 | 514.072 | 93636556.000 | 9550605.200 | 1294145.900 | 1521804.000 | 1264.118 |
| 2 | 12:43:43 | 15755.559 | 3.125 | 9364.006 | 512.509 | 94240698.000 | 9653141.200 | 1304365.400 | 1509670.000 | 1275.057 |
| 3 | 12:44:51 | 15954.216 | 3.125 | 9118.534 | 484.383 | 93848597.000 | 9610472.200 | 1303089.200 | 1533096.000 | 1225.053 |
| x | | 15909.897 | 3.993 | 9165.440 | 503.655 | 93908617.000 | 9604739.600 | 1300533.500 | 1521523.300 | 1254.743 |
| σ | | 137.638 | 1.504 | 179.762 | 16.708 | 306510.380 | 51507.805 | 5568.496 | 11715.508 | 26.288 |
| %RSD | | 0.865 | 37.653 | 1.961 | 3.317 | 0.326 | 0.536 | 0.428 | 0.770 | 2.095 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:42:35 | 1476181.300 | 793.772 | 196208.550 | 625461.250 | 1712433.000 | 116647.740 | 2013659.900 | 57870.101 | 115.625 |
| 2 | 12:43:43 | 1481249.100 | 785.959 | 193829.520 | 629596.460 | 1694718.800 | 116101.120 | 2014804.500 | 57862.257 | 101.563 |
| 3 | 12:44:51 | 1475573.000 | 812.523 | 195332.600 | 635038.960 | 1692541.400 | 116027.090 | 1995433.600 | 57305.331 | 106.250 |
| x | | 1477667.800 | 797.418 | 195123.560 | 630032.220 | 1699897.700 | 116258.650 | 2007966.000 | 57679.230 | 107.813 |
| σ | | 3116.329 | 13.652 | 1203.209 | 4803.704 | 10910.328 | 338.987 | 10868.450 | 323.829 | 7.160 |
| %RSD | | 0.211 | 1.712 | 0.617 | 0.762 | 0.642 | 0.292 | 0.541 | 0.561 | 6.641 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:42:35 | 130261.500 | 2792.460 | 25489.908 | 3366.022 | 646.890 | 52766.019 | 9657.951 | 1773.548 | 2967.496 |
| 2 | 12:43:43 | 134360.140 | 2864.350 | 27218.092 | 3545.753 | 578.137 | 52500.983 | 9975.357 | 1862.621 | 2895.606 |
| 3 | 12:44:51 | 136749.840 | 2900.294 | 27344.896 | 3350.393 | 540.635 | 51936.425 | 9797.108 | 1675.098 | 3001.878 |
| x | | 133790.490 | 2852.368 | 26684.299 | 3420.722 | 588.554 | 52401.142 | 9810.139 | 1770.422 | 2954.993 |
| σ | | 3281.464 | 54.906 | 1036.314 | 108.561 | 53.888 | 423.713 | 159.103 | 93.801 | 54.228 |
| %RSD | | 2.453 | 1.925 | 3.884 | 3.174 | 9.156 | 0.809 | 1.622 | 5.298 | 1.835 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:42:35 | 9542.248 | 4649.194 | 2404.890 | 2708.590 | 334.379 | 334.379 | 255.731 | 101.563 | 20.833 |
| 2 | 12:43:43 | 9318.663 | 4449.130 | 2373.635 | 2777.353 | 368.755 | 368.755 | 263.544 | 104.167 | 25.521 |
| 3 | 12:44:51 | 9323.354 | 4463.197 | 2342.380 | 2841.949 | 342.192 | 342.192 | 261.461 | 108.334 | 25.521 |
| x | | 9394.755 | 4520.507 | 2373.635 | 2775.964 | 348.442 | 348.442 | 260.245 | 104.688 | 23.958 |
| σ | | 127.754 | 111.668 | 31.255 | 66.690 | 18.020 | 18.020 | 4.046 | 3.415 | 2.706 |
| %RSD | | 1.360 | 2.470 | 1.317 | 2.402 | 5.172 | 5.172 | 1.555 | 3.262 | 11.296 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:42:35 | 557.774 | 400.006 | 431.257 | 232.814 | 632.827 | 1.563 | 152470.270 | 96.875 | 35.938 |
| 2 | 12:43:43 | 713.300 | 381.255 | 473.445 | 243.752 | 676.579 | 0.000 | 151661.730 | 92.188 | 23.438 |
| 3 | 12:44:51 | 879.430 | 395.318 | 434.382 | 254.690 | 626.576 | 0.000 | 150779.020 | 96.875 | 15.625 |
| x | | 716.835 | 392.193 | 446.361 | 243.752 | 645.327 | 0.521 | 151637.010 | 95.313 | 25.000 |
| σ | | 160.857 | 9.758 | 23.508 | 10.938 | 27.244 | 0.902 | 845.894 | 2.706 | 10.246 |
| %RSD | | 22.440 | 2.488 | 5.266 | 4.487 | 4.222 | 173.205 | 0.558 | 2.839 | 40.984 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:42:35 | 0.000 | 0.000 | 39.063 | 9.375 | 100.000 | 114.063 | 5033.699 | 8816.782 | 434893.830 |
| 2 | 12:43:43 | 1.563 | 1.563 | 23.438 | 6.250 | 64.063 | 92.188 | 4753.916 | 8582.265 | 435711.950 |
| 3 | 12:44:51 | 0.000 | 0.000 | 23.438 | 9.375 | 90.625 | 70.313 | 4846.134 | 8474.388 | 431769.940 |
| x | | 0.521 | 0.521 | 28.646 | 8.333 | 84.896 | 92.188 | 4877.917 | 8624.478 | 434125.240 |
| σ | | 0.902 | 0.902 | 9.021 | 1.804 | 18.641 | 21.875 | 142.574 | 175.057 | 2080.366 |
| %RSD | | 173.205 | 173.205 | 31.492 | 21.651 | 21.958 | 23.729 | 2.923 | 2.030 | 0.479 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:42:35 | 473124.190 | 82.813 | 190.626 | 678.141 | 578.137 | 1457.887 | 409593.540 | 85882.379 |
| 2 | 12:43:43 | 474592.010 | 84.375 | 148.438 | 601.575 | 543.760 | 1350.064 | 412868.630 | 85088.587 |
| 3 | 12:44:51 | 463694.320 | 67.188 | 146.876 | 682.829 | 568.761 | 1386.005 | 411259.130 | 85127.883 |
| x | | 470470.170 | 78.125 | 161.980 | 654.182 | 563.553 | 1397.985 | 411240.430 | 85366.283 |
| σ | | 5913.780 | 9.504 | 24.821 | 45.619 | 17.770 | 54.901 | 1637.627 | 447.384 |
| %RSD | | 1.257 | 12.166 | 15.323 | 6.973 | 3.153 | 3.927 | 0.398 | 0.524 |

**C1867-21X25 MF3T94** 05/01/2011 12:49:23 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:50:31 | 16689.431 | 1.563 | 804.710 | 265.627 | 4612673.600 | 569880.150 | 74768.589 | 89933.757 | 526.572 |
| 2 | 12:51:39 | 16687.866 | 3.125 | 768.771 | 292.190 | 4551958.600 | 565633.270 | 74022.531 | 89172.759 | 537.510 |
| 3 | 12:52:48 | 16454.784 | 4.688 | 731.269 | 281.253 | 4560941.000 | 564558.070 | 74069.649 | 88624.048 | 589.075 |
| x | | 16610.694 | 3.125 | 768.250 | 279.690 | 4575191.000 | 566690.500 | 74286.923 | 89243.521 | 551.052 |
| σ | | 135.024 | 1.563 | 36.723 | 13.350 | 32770.030 | 2814.149 | 417.799 | 657.716 | 33.379 |
| %RSD | | 0.813 | 50.000 | 4.780 | 4.773 | 0.716 | 0.497 | 0.562 | 0.737 | 6.057 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:50:31 | 41444.405 | 904.716 | 27326.110 | 116476.030 | 219289.000 | 6474.905 | 107743.840 | 63206.707 | 12.500 |
| 2 | 12:51:39 | 41914.524 | 854.713 | 27069.372 | 115861.690 | 218963.750 | 6454.583 | 106374.260 | 63655.568 | 9.375 |
| 3 | 12:52:48 | 41566.635 | 867.214 | 26767.241 | 113694.380 | 218183.200 | 6548.376 | 107238.500 | 64021.260 | 7.813 |
| x | | 41641.855 | 875.548 | 27054.241 | 115344.030 | 218811.980 | 6492.621 | 107118.870 | 63627.845 | 9.896 |
| σ | | 243.919 | 26.022 | 279.742 | 1461.290 | 568.309 | 49.342 | 692.584 | 407.983 | 2.387 |
| %RSD | | 0.586 | 2.972 | 1.034 | 1.267 | 0.260 | 0.760 | 0.647 | 0.641 | 24.119 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:50:31 | 20547.579 | 446.882 | 6714.077 | 2903.420 | 206.251 | 41739.011 | 1604.778 | 15.625 | 48.438 |
| 2 | 12:51:39 | 19674.476 | 460.945 | 6331.090 | 3103.462 | 200.001 | 41663.792 | 1567.274 | 14.063 | 31.250 |
| 3 | 12:52:48 | 18976.658 | 459.382 | 5924.666 | 3037.823 | 200.001 | 41073.023 | 1551.647 | 18.750 | 50.000 |
| x | | 19732.904 | 455.736 | 6323.278 | 3014.902 | 202.085 | 41491.942 | 1574.566 | 16.146 | 43.229 |
| σ | | 787.089 | 7.708 | 394.764 | 101.972 | 3.608 | 364.739 | 27.306 | 2.387 | 10.404 |
| %RSD | | 3.989 | 1.691 | 6.243 | 3.382 | 1.786 | 0.879 | 1.734 | 14.783 | 24.066 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:50:31 | 84.375 | 50.000 | 346.879 | 243.752 | 84.375 | 84.375 | 184.897 | 30.729 | 23.438 |
| 2 | 12:51:39 | 82.813 | 50.000 | 400.006 | 232.814 | 62.500 | 62.500 | 181.772 | 28.646 | 28.646 |
| 3 | 12:52:48 | 73.438 | 42.188 | 342.192 | 214.585 | 56.250 | 56.250 | 164.584 | 25.521 | 23.958 |
| x | | 80.209 | 47.396 | 363.025 | 230.384 | 67.708 | 67.708 | 177.084 | 28.299 | 25.347 |
| σ | | 5.916 | 4.511 | 32.111 | 14.735 | 14.768 | 14.768 | 10.938 | 2.621 | 2.869 |
| %RSD | | 7.375 | 9.517 | 8.845 | 6.396 | 21.812 | 21.812 | 6.177 | 9.264 | 11.317 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:50:31 | 51.563 | 78.125 | 76.563 | 50.000 | 106.250 | 1.563 | 176939.020 | 125.001 | 12.500 |
| 2 | 12:51:39 | 50.000 | 76.563 | 89.063 | 50.000 | 121.876 | 1.563 | 180813.640 | 100.000 | 6.250 |
| 3 | 12:52:48 | 48.438 | 70.313 | 71.875 | 50.000 | 117.188 | 3.125 | 181975.130 | 103.125 | 6.250 |
| x | | 50.000 | 75.000 | 79.167 | 50.000 | 115.105 | 2.083 | 179909.260 | 109.375 | 8.333 |
| σ | | 1.563 | 4.134 | 8.885 | 0.000 | 8.018 | 0.902 | 2637.049 | 13.622 | 3.608 |
| %RSD | | 3.125 | 5.512 | 11.223 | 0.000 | 6.966 | 43.301 | 1.466 | 12.454 | 43.301 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:50:31 | 0.000 | 0.000 | 1.563 | 4.688 | 70.313 | 21.875 | 409.381 | 714.080 | 476429.810 |
| 2 | 12:51:39 | 0.000 | 0.000 | 3.125 | 0.000 | 68.750 | 29.688 | 406.256 | 684.391 | 478818.660 |
| 3 | 12:52:48 | 0.000 | 0.000 | 1.563 | 1.563 | 56.250 | 21.875 | 364.067 | 742.207 | 482796.090 |
| x | | 0.000 | 0.000 | 2.083 | 2.083 | 65.104 | 24.479 | 393.235 | 713.560 | 479348.190 |
| σ | | 0.000 | 0.000 | 0.902 | 2.387 | 7.708 | 4.511 | 25.308 | 28.911 | 3216.006 |
| %RSD | | 0.000 | 0.000 | 43.301 | 114.564 | 11.839 | 18.426 | 6.436 | 4.052 | 0.671 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:50:31 | 508580.510 | 34.375 | 85.938 | 60.938 | 54.688 | 109.375 | 463145.690 | 5891.840 |
| 2 | 12:51:39 | 515605.400 | 59.375 | 115.625 | 62.500 | 53.125 | 146.876 | 467323.820 | 5748.031 |
| 3 | 12:52:48 | 522507.310 | 40.625 | 123.438 | 68.750 | 57.813 | 134.376 | 478077.250 | 5765.226 |
| x | | 515564.410 | 44.792 | 108.334 | 64.063 | 55.208 | 130.209 | 469515.590 | 5801.699 |
| σ | | 6963.494 | 13.010 | 19.785 | 4.134 | 2.387 | 19.094 | 7703.294 | 78.536 |
| %RSD | | 1.351 | 29.047 | 18.263 | 6.453 | 4.323 | 14.664 | 1.641 | 1.354 |

**C1867-22X25 MF3TB0** 05/01/2011 12:57:20 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:58:28 | 16421.933 | 1.563 | 528.135 | 289.065 | 4587684.100 | 459889.680 | 60317.695 | 73670.720 | 615.638 |
| 2 | 12:59:36 | 16381.262 | 2.083 | 529.697 | 271.878 | 4602416.800 | 459879.410 | 59777.933 | 72755.108 | 564.074 |
| 3 | 13:00:45 | 16701.945 | 3.646 | 495.321 | 295.316 | 4572194.400 | 458337.190 | 60705.269 | 74123.050 | 548.448 |
| x | | 16501.713 | 2.431 | 517.718 | 285.420 | 4587431.700 | 459368.760 | 60266.965 | 73516.293 | 576.053 |
| σ | | 174.594 | 1.084 | 19.412 | 12.137 | 15112.771 | 893.380 | 465.745 | 696.924 | 35.161 |
| %RSD | | 1.058 | 44.607 | 3.749 | 4.252 | 0.329 | 0.194 | 0.773 | 0.948 | 6.104 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:58:28 | 68743.125 | 879.715 | 24267.469 | 106265.640 | 175012.370 | 5451.040 | 91394.547 | 62965.018 | 12.500 |
| 2 | 12:59:36 | 68730.564 | 978.158 | 24632.155 | 107644.660 | 175785.850 | 5443.224 | 91363.096 | 63922.381 | 6.250 |
| 3 | 13:00:45 | 68626.943 | 893.778 | 25025.025 | 107956.370 | 174237.360 | 5505.748 | 91749.939 | 62993.267 | 25.000 |
| x | | 68700.211 | 917.217 | 24641.550 | 107288.890 | 175011.860 | 5466.671 | 91502.527 | 63293.555 | 14.583 |
| σ | | 63.762 | 53.243 | 378.865 | 899.761 | 774.243 | 34.067 | 214.841 | 544.762 | 9.547 |
| %RSD | | 0.093 | 5.805 | 1.538 | 0.839 | 0.442 | 0.623 | 0.235 | 0.861 | 65.465 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:58:28 | 16822.399 | 439.069 | 4788.302 | 3119.091 | 207.814 | 39957.365 | 1376.629 | 96.875 | 153.126 |
| 2 | 12:59:36 | 16847.428 | 468.758 | 4730.471 | 3095.648 | 228.127 | 40407.065 | 1493.828 | 78.125 | 167.188 |
| 3 | 13:00:45 | 16811.449 | 481.258 | 4827.378 | 3040.949 | 200.001 | 40176.729 | 1520.393 | 89.063 | 176.564 |
| x | | 16827.092 | 463.028 | 4782.050 | 3085.229 | 211.981 | 40180.386 | 1463.617 | 88.021 | 165.626 |
| σ | | 18.443 | 21.670 | 48.755 | 40.099 | 14.518 | 224.872 | 76.496 | 9.418 | 11.797 |
| %RSD | | 0.110 | 4.680 | 1.020 | 1.300 | 6.849 | 0.560 | 5.226 | 10.700 | 7.123 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:58:28 | 507.822 | 243.752 | 192.189 | 237.502 | 64.063 | 64.063 | 164.063 | 22.917 | 23.958 |
| 2 | 12:59:36 | 553.136 | 229.689 | 198.439 | 250.523 | 57.813 | 57.813 | 171.876 | 25.000 | 22.917 |
| 3 | 13:00:45 | 526.572 | 239.065 | 153.126 | 242.190 | 53.125 | 53.125 | 179.168 | 28.646 | 20.833 |
| x | | 529.176 | 237.502 | 181.251 | 243.405 | 58.333 | 58.333 | 171.702 | 25.521 | 22.569 |
| σ | | 22.769 | 7.160 | 24.557 | 6.595 | 5.487 | 5.487 | 7.554 | 2.900 | 1.591 |
| %RSD | | 4.303 | 3.015 | 13.549 | 2.709 | 9.407 | 9.407 | 4.399 | 11.363 | 7.050 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:58:28 | 28.125 | 35.938 | 21.875 | 29.688 | 37.500 | 6.250 | 177904.010 | 143.751 | 4.688 |
| 2 | 12:59:36 | 25.000 | 26.563 | 21.875 | 18.750 | 56.250 | 1.563 | 178291.610 | 101.563 | 4.688 |
| 3 | 13:00:45 | 23.438 | 20.313 | 23.438 | 23.438 | 40.625 | 1.563 | 177929.330 | 107.813 | 9.375 |
| x | | 25.521 | 27.604 | 22.396 | 23.958 | 44.792 | 3.125 | 178041.650 | 117.709 | 6.250 |
| σ | | 2.387 | 7.864 | 0.902 | 5.487 | 10.046 | 2.706 | 216.843 | 22.768 | 2.706 |
| %RSD | | 9.352 | 28.490 | 4.028 | 22.904 | 22.427 | 86.603 | 0.122 | 19.343 | 43.301 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:58:28 | 0.000 | 0.000 | 15.625 | 0.000 | 48.438 | 23.438 | 250.002 | 421.881 | 478658.740 |
| 2 | 12:59:36 | 0.000 | 0.000 | 12.500 | 1.563 | 48.438 | 25.000 | 232.814 | 381.255 | 474986.030 |
| 3 | 13:00:45 | 1.563 | 1.563 | 3.125 | 0.000 | 45.313 | 26.563 | 246.877 | 464.070 | 473443.900 |
| x | | 0.521 | 0.521 | 10.417 | 0.521 | 47.396 | 25.000 | 243.231 | 422.402 | 475696.230 |
| σ | | 0.902 | 0.902 | 6.505 | 0.902 | 1.804 | 1.563 | 9.156 | 41.410 | 2678.978 |
| %RSD | | 173.205 | 173.205 | 62.450 | 173.205 | 3.807 | 6.250 | 3.764 | 9.803 | 0.563 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:58:28 | 511572.030 | 45.313 | 90.625 | 70.313 | 54.688 | 168.751 | 468027.550 | 3678.599 |
| 2 | 12:59:36 | 512004.290 | 25.000 | 121.876 | 75.000 | 46.875 | 140.626 | 468531.160 | 3737.989 |
| 3 | 13:00:45 | 513158.690 | 34.375 | 82.813 | 59.375 | 64.063 | 132.813 | 468586.050 | 3753.618 |
| x | | 512245.000 | 34.896 | 98.438 | 68.229 | 55.208 | 147.397 | 468381.590 | 3723.402 |
| σ | | 820.262 | 10.166 | 20.670 | 8.018 | 8.606 | 18.901 | 307.828 | 39.580 |
| %RSD | | 0.160 | 29.133 | 20.998 | 11.752 | 15.587 | 12.824 | 0.066 | 1.063 |

**C1868-01 MF3T76** 05/01/2011 01:05:18 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:06:26 | 15774.329 | 3.646 | 10541.388 | 521.885 | 109319020.000 | 16502692.000 | 2246054.000 | 2677288.700 | 773.458 |
| 2 | 13:07:34 | 15894.775 | 2.604 | 10173.934 | 509.384 | 110936500.000 | 16688449.000 | 2241427.400 | 2665251.100 | 823.461 |
| 3 | 13:08:43 | 16436.012 | 1.563 | 10915.106 | 453.132 | 112853060.000 | 16938607.000 | 2280442.700 | 2747290.700 | 826.586 |
| x | | 16035.039 | 2.604 | 10543.476 | 494.800 | 111036190.000 | 16709916.000 | 2255974.700 | 2696610.200 | 807.835 |
| σ | | 352.436 | 1.042 | 370.590 | 36.623 | 1769126.900 | 218749.030 | 21315.792 | 44301.391 | 29.812 |
| %RSD | | 2.198 | 40.000 | 3.515 | 7.402 | 1.593 | 1.309 | 0.945 | 1.643 | 3.690 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:06:26 | 1260484.100 | 826.586 | 340908.760 | 628248.390 | 3148530.500 | 275080.000 | 4494909.400 | 62254.898 | 78.125 |
| 2 | 13:07:34 | 1281607.600 | 807.835 | 343006.520 | 642832.420 | 3163502.000 | 275295.640 | 4480706.400 | 62743.017 | 68.750 |
| 3 | 13:08:43 | 1313144.000 | 857.838 | 350220.610 | 657100.720 | 3221142.900 | 280571.550 | 4584962.800 | 63021.942 | 114.063 |
| x | | 1285078.600 | 830.753 | 344711.960 | 642727.180 | 3177725.100 | 276982.390 | 4520192.900 | 62673.285 | 86.979 |
| σ | | 26500.987 | 25.261 | 4884.572 | 14426.457 | 38338.795 | 3110.167 | 56540.195 | 388.247 | 23.919 |
| %RSD | | 2.062 | 3.041 | 1.417 | 2.245 | 1.206 | 1.123 | 1.251 | 0.619 | 27.499 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:06:26 | 84571.468 | 12915.210 | 22390.971 | 3005.004 | 717.206 | 45122.712 | 19342.774 | 437.507 | 539.073 |
| 2 | 13:07:34 | 87959.019 | 13057.527 | 23693.069 | 3128.468 | 689.079 | 45027.099 | 18343.019 | 448.445 | 523.447 |
| 3 | 13:08:43 | 92105.340 | 13489.178 | 24413.030 | 3151.910 | 746.895 | 46698.075 | 20538.190 | 500.009 | 645.327 |
| x | | 88211.942 | 13153.972 | 23499.023 | 3095.127 | 717.726 | 45615.962 | 19407.994 | 461.987 | 569.282 |
| σ | | 3773.299 | 298.891 | 1024.900 | 78.925 | 28.911 | 938.356 | 1099.038 | 33.379 | 66.319 |
| %RSD | | 4.278 | 2.272 | 4.361 | 2.550 | 4.028 | 2.057 | 5.663 | 7.225 | 11.649 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:06:26 | 37580.616 | 18308.600 | 17883.061 | 1652.179 | 412.506 | 412.506 | 643.244 | 287.503 | 27.083 |
| 2 | 13:07:34 | 39004.738 | 18784.217 | 18316.422 | 1675.619 | 445.319 | 445.319 | 607.305 | 308.337 | 19.792 |
| 3 | 13:08:43 | 39664.363 | 19078.356 | 18720.070 | 1751.149 | 501.571 | 501.571 | 644.806 | 312.503 | 21.354 |
| x | | 38749.905 | 18723.724 | 18306.518 | 1692.982 | 453.132 | 453.132 | 631.785 | 302.781 | 22.743 |
| σ | | 1064.991 | 388.427 | 418.592 | 51.719 | 45.044 | 45.044 | 21.215 | 13.394 | 3.839 |
| %RSD | | 2.748 | 2.075 | 2.287 | 3.055 | 9.941 | 9.941 | 3.358 | 4.424 | 16.880 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:06:26 | 1070.303 | 318.754 | 314.066 | 209.377 | 454.695 | 0.000 | 146329.990 | 93.750 | 18.750 |
| 2 | 13:07:34 | 423.456 | 332.816 | 348.442 | 198.439 | 451.570 | 1.563 | 146896.700 | 96.875 | 17.188 |
| 3 | 13:08:43 | 69.987 | 339.067 | 334.379 | 245.315 | 493.759 | 1.563 | 149069.030 | 104.688 | 21.875 |
| x | | 521.249 | 330.212 | 332.296 | 217.710 | 466.674 | 1.042 | 147431.910 | 98.438 | 19.271 |
| σ | | 507.278 | 10.404 | 17.282 | 24.524 | 23.508 | 0.902 | 1445.828 | 5.634 | 2.387 |
| %RSD | | 97.320 | 3.151 | 5.201 | 11.264 | 5.037 | 86.603 | 0.981 | 5.723 | 12.385 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:06:26 | 3.125 | 3.125 | 20.313 | 15.625 | 382.818 | 79.688 | 5740.216 | 10116.080 | 421343.580 |
| 2 | 13:07:34 | 3.125 | 3.125 | 12.500 | 20.313 | 396.881 | 68.750 | 5793.362 | 10377.205 | 424582.700 |
| 3 | 13:08:43 | 4.688 | 4.688 | 17.188 | 21.875 | 412.506 | 101.563 | 5868.393 | 10325.605 | 426718.380 |
| x | | 3.646 | 3.646 | 16.667 | 19.271 | 397.401 | 83.334 | 5800.657 | 10272.964 | 424214.890 |
| σ | | 0.902 | 0.902 | 3.932 | 3.253 | 14.851 | 16.707 | 64.399 | 138.293 | 2706.214 |
| %RSD | | 24.744 | 24.744 | 23.593 | 16.878 | 3.737 | 20.049 | 1.110 | 1.346 | 0.638 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:06:26 | 459378.500 | 35.938 | 93.750 | 10918.233 | 9360.878 | 22929.324 | 398310.830 | 85311.788 |
| 2 | 13:07:34 | 459754.370 | 39.063 | 93.750 | 10994.854 | 9251.432 | 22915.239 | 401641.220 | 86495.436 |
| 3 | 13:08:43 | 464520.520 | 34.375 | 82.813 | 11251.304 | 9672.023 | 23206.333 | 405563.800 | 87144.676 |
| x | | 461217.800 | 36.458 | 90.104 | 11054.797 | 9428.111 | 23016.966 | 401838.610 | 86317.300 |
| σ | | 2866.407 | 2.387 | 6.315 | 174.439 | 218.207 | 164.149 | 3630.509 | 929.338 |
| %RSD | | 0.621 | 6.547 | 7.008 | 1.578 | 2.314 | 0.713 | 0.903 | 1.077 |

**C1868-02 MF3T79** 05/01/2011 01:13:16 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:14:24 | 17312.046 | 2.604 | 10874.450 | 714.080 | 115196800.000 | 18174733.000 | 2451988.000 | 2889955.000 | 521.885 |
| 2 | 13:15:33 | 16692.559 | 5.729 | 10689.936 | 667.203 | 114796980.000 | 18043968.000 | 2459753.400 | 2935377.400 | 753.272 |
| 3 | 13:16:41 | 16778.597 | 1.042 | 10763.428 | 701.580 | 114923850.000 | 18040934.000 | 2432220.800 | 2895730.700 | 666.899 |
| x | | 16927.734 | 3.125 | 10775.938 | 694.288 | 114972550.000 | 18086545.000 | 2447987.400 | 2907021.000 | 647.352 |
| σ | | 335.592 | 2.387 | 92.891 | 24.274 | 204310.170 | 76388.181 | 14195.599 | 24726.557 | 116.925 |
| %RSD | | 1.983 | 76.376 | 0.862 | 3.496 | 0.178 | 0.422 | 0.580 | 0.851 | 18.062 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:14:24 | 1374333.100 | 868.776 | 348033.750 | 665429.520 | 3415096.600 | 283199.440 | 4581153.400 | 68135.567 | 126.563 |
| 2 | 13:15:33 | 1381966.300 | 750.020 | 351413.430 | 678144.500 | 3440912.700 | 284355.250 | 4655769.700 | 67661.975 | 96.875 |
| 3 | 13:16:41 | 1372448.600 | 759.395 | 344901.330 | 678838.830 | 3384186.000 | 277834.400 | 4592555.700 | 66034.913 | 85.938 |
| x | | 1376249.400 | 792.730 | 348116.170 | 674137.620 | 3413398.400 | 281796.360 | 4609826.300 | 67277.485 | 103.125 |
| σ | | 5039.915 | 66.024 | 3256.833 | 7549.420 | 28401.435 | 3479.490 | 40194.565 | 1101.845 | 21.021 |
| %RSD | | 0.366 | 8.329 | 0.936 | 1.120 | 0.832 | 1.235 | 0.872 | 1.638 | 20.384 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:14:24 | 93206.195 | 22719.614 | 25184.680 | 3448.854 | 318.754 | 43647.828 | 20771.340 | 506.259 | 592.200 |
| 2 | 13:15:33 | 96054.658 | 22511.473 | 26126.995 | 3025.320 | 362.505 | 42807.792 | 20157.962 | 501.571 | 601.575 |
| 3 | 13:16:41 | 98069.843 | 22966.884 | 26847.078 | 3190.981 | 364.067 | 42788.986 | 19755.838 | 523.447 | 614.076 |
| x | | 95776.899 | 22732.657 | 26052.918 | 3221.718 | 348.442 | 43081.535 | 20228.380 | 510.426 | 602.617 |
| σ | | 2443.692 | 227.986 | 833.671 | 213.433 | 25.723 | 490.514 | 511.400 | 11.518 | 10.975 |
| %RSD | | 2.551 | 1.003 | 3.200 | 6.625 | 7.382 | 1.139 | 2.528 | 2.257 | 1.821 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:14:24 | 1164.110 | 571.886 | 1231.303 | 1776.152 | 470.320 | 470.320 | 637.514 | 314.587 | 25.521 |
| 2 | 13:15:33 | 1137.545 | 610.951 | 1235.991 | 1745.419 | 473.445 | 473.445 | 626.055 | 278.128 | 19.792 |
| 3 | 13:16:41 | 1104.730 | 596.887 | 1265.681 | 1852.203 | 470.320 | 470.320 | 647.931 | 295.316 | 14.583 |
| x | | 1135.462 | 593.241 | 1244.325 | 1791.258 | 471.362 | 471.362 | 637.167 | 296.010 | 19.965 |
| σ | | 29.745 | 19.786 | 18.643 | 54.972 | 1.804 | 1.804 | 10.942 | 18.239 | 5.471 |
| %RSD | | 2.620 | 3.335 | 1.498 | 3.069 | 0.383 | 0.383 | 1.717 | 6.162 | 27.402 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:14:24 | 183.097 | 359.380 | 421.881 | 243.752 | 556.261 | 0.000 | 158632.130 | 101.563 | 3.125 |
| 2 | 13:15:33 | 190.166 | 370.317 | 382.818 | 282.815 | 578.137 | 1.563 | 157466.210 | 110.938 | 14.063 |
| 3 | 13:16:41 | 621.398 | 395.318 | 370.317 | 231.252 | 606.263 | 6.250 | 155095.170 | 106.250 | 18.750 |
| x | | 331.554 | 375.005 | 391.672 | 252.606 | 580.220 | 2.604 | 157064.510 | 106.250 | 11.979 |
| σ | | 251.037 | 18.422 | 26.898 | 26.898 | 25.066 | 3.253 | 1802.372 | 4.688 | 8.018 |
| %RSD | | 75.715 | 4.912 | 6.868 | 10.648 | 4.320 | 124.900 | 1.148 | 4.412 | 66.934 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:14:24 | 0.000 | 0.000 | 10.938 | 3.125 | 120.313 | 54.688 | 3464.483 | 6141.945 | 454156.070 |
| 2 | 13:15:33 | 4.688 | 4.688 | 15.625 | 0.000 | 148.438 | 56.250 | 3466.045 | 6293.574 | 452719.340 |
| 3 | 13:16:41 | 0.000 | 0.000 | 7.813 | 3.125 | 104.688 | 62.500 | 3389.465 | 6327.964 | 447476.730 |
| x | | 1.563 | 1.563 | 11.458 | 2.083 | 124.480 | 57.813 | 3439.997 | 6254.494 | 451450.710 |
| σ | | 2.706 | 2.706 | 3.932 | 1.804 | 22.171 | 4.134 | 43.770 | 98.975 | 3515.740 |
| %RSD | | 173.205 | 173.205 | 34.317 | 86.603 | 17.811 | 7.151 | 1.272 | 1.582 | 0.779 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:14:24 | 493528.650 | 21.875 | 71.875 | 500.009 | 439.069 | 1054.726 | 427697.000 | 93228.213 |
| 2 | 13:15:33 | 489842.480 | 35.938 | 64.063 | 501.571 | 421.881 | 1107.856 | 423840.840 | 94873.366 |
| 3 | 13:16:41 | 487202.920 | 28.125 | 95.313 | 501.571 | 407.818 | 1082.853 | 423955.100 | 96202.523 |
| x | | 490191.350 | 28.646 | 77.084 | 501.050 | 422.923 | 1081.812 | 425164.310 | 94768.034 |
| σ | | 3177.264 | 7.046 | 16.263 | 0.902 | 15.651 | 26.580 | 2194.116 | 1489.950 |
| %RSD | | 0.648 | 24.596 | 21.098 | 0.180 | 3.701 | 2.457 | 0.516 | 1.572 |

**C1868-01X25 MF3T76** 05/01/2011 01:21:14 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:22:22 | 18411.857 | 2.604 | 745.332 | 300.003 | 5643912.600 | 841685.940 | 109815.780 | 132190.030 | 496.884 |
| 2 | 13:23:30 | 18181.875 | 2.083 | 765.646 | 343.754 | 5598407.000 | 835468.290 | 109941.740 | 131519.820 | 584.387 |
| 3 | 13:24:38 | 18405.599 | 2.604 | 737.519 | 304.691 | 5648954.300 | 847321.080 | 110547.960 | 133839.660 | 546.885 |
| x | | 18333.111 | 2.431 | 749.499 | 316.149 | 5630424.600 | 841491.770 | 110101.830 | 132516.500 | 542.719 |
| σ | | 131.011 | 0.301 | 14.519 | 24.021 | 27842.463 | 5928.779 | 391.460 | 1193.879 | 43.900 |
| %RSD | | 0.715 | 12.372 | 1.937 | 7.598 | 0.495 | 0.705 | 0.356 | 0.901 | 8.089 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:22:22 | 64178.211 | 884.402 | 32834.565 | 119737.200 | 247018.900 | 12794.790 | 210942.850 | 68766.675 | 7.813 |
| 2 | 13:23:30 | 64121.709 | 998.472 | 33132.126 | 119488.250 | 247909.120 | 12771.331 | 209623.650 | 68407.143 | 12.500 |
| 3 | 13:24:38 | 64849.985 | 975.033 | 32897.209 | 116413.020 | 246631.030 | 12746.309 | 210483.020 | 67615.889 | 12.500 |
| x | | 64383.302 | 952.636 | 32954.634 | 118546.160 | 247186.350 | 12770.810 | 210349.840 | 68263.236 | 10.938 |
| σ | | 405.146 | 60.243 | 156.872 | 1851.541 | 655.292 | 24.245 | 669.611 | 588.735 | 2.706 |
| %RSD | | 0.629 | 6.324 | 0.476 | 1.562 | 0.265 | 0.190 | 0.318 | 0.862 | 24.744 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:22:22 | 19857.542 | 957.845 | 6432.698 | 3094.085 | 264.065 | 41701.402 | 2223.611 | 23.438 | 46.875 |
| 2 | 13:23:30 | 19119.035 | 992.222 | 6068.476 | 3136.282 | 245.315 | 42171.529 | 2320.501 | 17.188 | 43.750 |
| 3 | 13:24:38 | 19101.825 | 996.910 | 5957.492 | 3176.916 | 226.564 | 42455.179 | 2348.631 | 32.813 | 59.375 |
| x | | 19359.467 | 982.325 | 6152.889 | 3135.761 | 245.315 | 42109.370 | 2297.581 | 24.479 | 50.000 |
| σ | | 431.431 | 21.330 | 248.595 | 41.418 | 18.750 | 380.714 | 65.586 | 7.864 | 8.268 |
| %RSD | | 2.229 | 2.171 | 4.040 | 1.321 | 7.643 | 0.904 | 2.855 | 32.127 | 16.536 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:22:22 | 2068.900 | 1025.037 | 968.783 | 241.669 | 78.125 | 78.125 | 171.876 | 38.021 | 16.667 |
| 2 | 13:23:30 | 2140.785 | 951.594 | 984.409 | 216.668 | 50.000 | 50.000 | 181.772 | 33.854 | 16.667 |
| 3 | 13:24:38 | 2098.592 | 960.970 | 978.158 | 223.960 | 67.188 | 67.188 | 178.647 | 40.104 | 27.604 |
| x | | 2102.759 | 979.200 | 977.117 | 227.432 | 65.104 | 65.104 | 177.432 | 37.326 | 20.313 |
| σ | | 36.124 | 39.971 | 7.865 | 12.857 | 14.178 | 14.178 | 5.059 | 3.182 | 6.315 |
| %RSD | | 1.718 | 4.082 | 0.805 | 5.653 | 21.777 | 21.777 | 2.851 | 8.526 | 31.088 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:22:22 | 25.000 | 14.063 | 12.500 | 10.938 | 26.563 | 0.000 | 187179.220 | 142.188 | 7.813 |
| 2 | 13:23:30 | 21.875 | 17.188 | 29.688 | 18.750 | 29.688 | 1.563 | 186536.520 | 151.563 | 1.563 |
| 3 | 13:24:38 | 15.625 | 21.875 | 12.500 | 12.500 | 35.938 | 1.563 | 184720.970 | 137.501 | 6.250 |
| x | | 20.833 | 17.708 | 18.229 | 14.063 | 30.729 | 1.042 | 186145.570 | 143.751 | 5.208 |
| σ | | 4.774 | 3.932 | 9.923 | 4.134 | 4.774 | 0.902 | 1274.904 | 7.160 | 3.253 |
| %RSD | | 22.913 | 22.205 | 54.436 | 29.397 | 15.534 | 86.603 | 0.685 | 4.981 | 62.450 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:22:22 | 1.563 | 1.563 | 0.000 | 9.375 | 64.063 | 17.188 | 273.440 | 454.695 | 488770.760 |
| 2 | 13:23:30 | 0.000 | 0.000 | 1.563 | 1.563 | 64.063 | 15.625 | 225.002 | 492.196 | 484916.120 |
| 3 | 13:24:38 | 0.000 | 0.000 | 3.125 | 6.250 | 78.125 | 14.063 | 248.440 | 465.633 | 485181.140 |
| x | | 0.521 | 0.521 | 1.563 | 5.729 | 68.750 | 15.625 | 248.961 | 470.841 | 486289.340 |
| σ | | 0.902 | 0.902 | 1.563 | 3.932 | 8.119 | 1.563 | 24.223 | 19.286 | 2153.054 |
| %RSD | | 173.205 | 173.205 | 100.000 | 68.635 | 11.809 | 10.000 | 9.730 | 4.096 | 0.443 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:22:22 | 526973.190 | 32.813 | 45.313 | 551.573 | 412.506 | 1068.790 | 474099.490 | 3591.076 |
| 2 | 13:23:30 | 530242.450 | 17.188 | 71.875 | 557.823 | 468.758 | 1104.730 | 477277.730 | 3716.108 |
| 3 | 13:24:38 | 522048.810 | 39.063 | 71.875 | 550.011 | 506.259 | 1064.102 | 473518.180 | 3767.684 |
| x | | 526421.480 | 29.688 | 63.021 | 553.136 | 462.508 | 1079.207 | 474965.130 | 3691.623 |
| σ | | 4124.586 | 11.267 | 15.336 | 4.134 | 47.188 | 22.227 | 2023.751 | 90.814 |
| %RSD | | 0.784 | 37.953 | 24.335 | 0.747 | 10.203 | 2.060 | 0.426 | 2.460 |

**C1868-02X25 MF3T79** 05/01/2011 01:29:12 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:30:21 | 18164.666 | 2.083 | 651.577 | 317.191 | 5430816.400 | 839876.840 | 110480.250 | 133118.910 | 473.445 |
| 2 | 13:31:29 | 18386.825 | 2.604 | 654.703 | 303.128 | 5466376.200 | 847400.630 | 111404.570 | 134718.170 | 520.322 |
| 3 | 13:32:37 | 17876.803 | 1.563 | 642.202 | 270.315 | 5446112.400 | 850485.070 | 110911.700 | 134486.310 | 503.134 |
| x | | 18142.765 | 2.083 | 649.494 | 296.878 | 5447768.300 | 845920.850 | 110932.170 | 134107.800 | 498.967 |
| σ | | 255.715 | 0.521 | 6.506 | 24.055 | 17837.637 | 5456.735 | 462.502 | 864.214 | 23.714 |
| %RSD | | 1.409 | 25.000 | 1.002 | 8.103 | 0.327 | 0.645 | 0.417 | 0.644 | 4.753 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:30:21 | 62872.424 | 926.593 | 31788.453 | 108139.000 | 245817.180 | 11997.223 | 201485.930 | 68347.483 | 7.813 |
| 2 | 13:31:29 | 63085.862 | 935.968 | 32023.352 | 110160.610 | 246689.850 | 12089.488 | 201105.630 | 67578.211 | 12.500 |
| 3 | 13:32:37 | 65129.377 | 903.154 | 31537.899 | 109773.270 | 247554.620 | 11854.917 | 202435.150 | 67221.848 | 15.625 |
| x | | 63695.888 | 921.905 | 31783.235 | 109357.620 | 246687.220 | 11980.543 | 201675.570 | 67715.848 | 11.979 |
| σ | | 1246.016 | 16.902 | 242.769 | 1072.984 | 868.718 | 118.172 | 684.746 | 575.301 | 3.932 |
| %RSD | | 1.956 | 1.833 | 0.764 | 0.981 | 0.352 | 0.986 | 0.340 | 0.850 | 32.825 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:30:21 | 15930.753 | 1364.128 | 5218.140 | 3130.030 | 198.439 | 41894.152 | 2176.728 | 35.938 | 50.000 |
| 2 | 13:31:29 | 15570.981 | 1354.752 | 4957.110 | 3230.053 | 200.001 | 41963.104 | 2306.436 | 37.500 | 35.938 |
| 3 | 13:32:37 | 15198.706 | 1342.251 | 4714.840 | 3181.604 | 212.502 | 41554.098 | 2042.334 | 45.313 | 46.875 |
| x | | 15566.813 | 1353.710 | 4963.364 | 3180.562 | 203.647 | 41803.785 | 2175.166 | 39.583 | 44.271 |
| σ | | 366.041 | 10.976 | 251.708 | 50.019 | 7.708 | 218.966 | 132.058 | 5.023 | 7.384 |
| %RSD | | 2.351 | 0.811 | 5.071 | 1.573 | 3.785 | 0.524 | 6.071 | 12.689 | 16.679 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:30:21 | 93.750 | 39.063 | 179.689 | 177.084 | 50.000 | 50.000 | 162.501 | 24.479 | 20.313 |
| 2 | 13:31:29 | 101.563 | 45.313 | 184.376 | 182.814 | 75.000 | 75.000 | 169.272 | 33.333 | 20.833 |
| 3 | 13:32:37 | 109.375 | 50.000 | 200.001 | 186.460 | 40.625 | 40.625 | 178.647 | 36.458 | 23.958 |
| x | | 101.563 | 44.792 | 188.022 | 182.119 | 55.208 | 55.208 | 170.140 | 31.424 | 21.701 |
| σ | | 7.813 | 5.487 | 10.636 | 4.726 | 17.770 | 17.770 | 8.108 | 6.214 | 1.972 |
| %RSD | | 7.692 | 12.251 | 5.657 | 2.595 | 32.186 | 32.186 | 4.765 | 19.774 | 9.086 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:30:21 | 14.063 | 17.188 | 23.438 | 9.375 | 31.250 | 6.250 | 183815.650 | 89.063 | 6.250 |
| 2 | 13:31:29 | 18.750 | 17.188 | 4.688 | 17.188 | 31.250 | 4.688 | 184777.950 | 131.251 | 3.125 |
| 3 | 13:32:37 | 29.688 | 18.750 | 35.938 | 18.750 | 32.813 | 4.688 | 184749.460 | 153.126 | 7.813 |
| x | | 20.833 | 17.708 | 21.354 | 15.104 | 31.771 | 5.208 | 184447.690 | 124.480 | 5.729 |
| σ | | 8.018 | 0.902 | 15.729 | 5.023 | 0.902 | 0.902 | 547.542 | 32.564 | 2.387 |
| %RSD | | 38.487 | 5.094 | 73.657 | 33.254 | 2.839 | 17.321 | 0.297 | 26.160 | 41.660 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:30:21 | 0.000 | 0.000 | 1.563 | 0.000 | 32.813 | 9.375 | 175.001 | 281.253 | 482851.030 |
| 2 | 13:31:29 | 1.563 | 1.563 | 4.688 | 3.125 | 56.250 | 10.938 | 150.001 | 290.628 | 486585.530 |
| 3 | 13:32:37 | 0.000 | 0.000 | 0.000 | 0.000 | 45.313 | 10.938 | 143.751 | 278.128 | 489089.200 |
| x | | 0.521 | 0.521 | 2.083 | 1.042 | 44.792 | 10.417 | 156.251 | 283.336 | 486175.250 |
| σ | | 0.902 | 0.902 | 2.387 | 1.804 | 11.727 | 0.902 | 16.536 | 6.505 | 3139.255 |
| %RSD | | 173.205 | 173.205 | 114.564 | 173.205 | 26.182 | 8.660 | 10.583 | 2.296 | 0.646 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:30:21 | 523320.660 | 21.875 | 54.688 | 60.938 | 45.313 | 115.625 | 469120.350 | 3634.837 |
| 2 | 13:31:29 | 529786.950 | 17.188 | 68.750 | 68.750 | 42.188 | 115.625 | 480269.280 | 3872.400 |
| 3 | 13:32:37 | 525950.590 | 14.063 | 67.188 | 59.375 | 57.813 | 125.001 | 476003.450 | 4008.375 |
| x | | 526352.730 | 17.708 | 63.542 | 63.021 | 48.438 | 118.750 | 475131.020 | 3838.537 |
| σ | | 3251.845 | 3.932 | 7.708 | 5.023 | 8.268 | 5.413 | 5625.434 | 189.057 |
| %RSD | | 0.618 | 22.205 | 12.130 | 7.970 | 17.069 | 4.558 | 1.184 | 4.925 |

**CCV** 05/01/2011 01:37:09 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:38:17 | 15470.873 | 27430.476 | 5297.857 | 307.816 | 21470347.000 | 14529363.000 | 1973200.100 | 2361399.300 | 3392699.900 |
| 2 | 13:39:25 | 15714.889 | 27371.509 | 5260.343 | 342.192 | 21276806.000 | 14507274.000 | 1972017.000 | 2331686.400 | 3314993.600 |
| 3 | 13:40:33 | 15508.413 | 27486.835 | 5404.147 | 379.693 | 21467668.000 | 14653008.000 | 1971115.400 | 2344007.400 | 3367411.100 |
| x | | 15564.725 | 27429.607 | 5320.783 | 343.233 | 21404940.000 | 14563215.000 | 1972110.800 | 2345697.700 | 3358368.200 |
| σ | | 131.393 | 57.668 | 74.593 | 35.950 | 110975.700 | 78543.199 | 1045.519 | 14928.422 | 39634.566 |
| %RSD | | 0.844 | 0.210 | 1.402 | 10.474 | 0.518 | 0.539 | 0.053 | 0.636 | 1.180 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:38:17 | 32192.261 | 166789.880 | 16201.369 | 73661.296 | 9922068.500 | 50329.035 | 749451.550 | 58155.632 | 24618.068 |
| 2 | 13:39:25 | 31623.269 | 164859.860 | 15732.095 | 73202.698 | 9680997.800 | 50205.403 | 742573.130 | 57970.507 | 23841.753 |
| 3 | 13:40:33 | 31681.222 | 168909.890 | 16159.134 | 74936.653 | 9746720.800 | 49932.264 | 748235.540 | 57959.525 | 24378.596 |
| x | | 31832.251 | 166853.210 | 16030.866 | 73933.549 | 9783262.400 | 50155.567 | 746753.400 | 58028.555 | 24279.473 |
| σ | | 313.121 | 2025.755 | 259.604 | 898.466 | 124620.380 | 203.026 | 3670.925 | 110.189 | 397.537 |
| %RSD | | 0.984 | 1.214 | 1.619 | 1.215 | 1.274 | 0.405 | 0.492 | 0.190 | 1.637 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:38:17 | 384452.890 | 353748.130 | 47226.370 | 1340918.900 | 1002468.200 | 22931316.000 | 569934.900 | 431227.350 | 93876.186 |
| 2 | 13:39:25 | 378259.570 | 353291.730 | 47077.442 | 1339735.500 | 1002443.100 | 22794388.000 | 566248.140 | 428506.670 | 92849.194 |
| 3 | 13:40:33 | 383998.730 | 358356.180 | 47238.912 | 1348418.600 | 1011340.100 | 23041321.000 | 565133.180 | 431945.440 | 93409.076 |
| x | | 382237.060 | 355132.010 | 47180.908 | 1343024.300 | 1005417.100 | 22922341.000 | 567105.410 | 430559.820 | 93378.152 |
| σ | | 3452.092 | 2801.520 | 89.823 | 4708.861 | 5129.444 | 123710.760 | 2513.028 | 1813.968 | 514.194 |
| %RSD | | 0.903 | 0.789 | 0.190 | 0.351 | 0.510 | 0.540 | 0.443 | 0.421 | 0.551 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:38:17 | 470871.890 | 227414.560 | 174303.790 | 67960.749 | 4425.685 | 4425.685 | 14187.250 | 6108.076 | 27.604 |
| 2 | 13:39:25 | 471151.190 | 225904.960 | 172515.090 | 67561.989 | 4392.863 | 4392.863 | 14215.924 | 6274.815 | 19.792 |
| 3 | 13:40:33 | 472936.890 | 228851.300 | 172211.460 | 68213.512 | 4375.670 | 4375.670 | 14307.161 | 6131.003 | 23.958 |
| x | | 471653.330 | 227390.270 | 173010.110 | 67912.083 | 4398.073 | 4398.073 | 14236.778 | 6171.298 | 23.785 |
| σ | | 1120.338 | 1473.321 | 1130.598 | 328.476 | 25.411 | 25.411 | 62.617 | 90.378 | 3.909 |
| %RSD | | 0.238 | 0.648 | 0.653 | 0.484 | 0.578 | 0.578 | 0.440 | 1.464 | 16.436 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:38:17 | 131411.020 | 143072.240 | 164523.200 | 91056.460 | 234739.440 | 4.688 | 159624.340 | 10253.679 | 444809.410 |
| 2 | 13:39:25 | 131015.220 | 142726.620 | 161902.890 | 89839.416 | 236605.790 | 4.688 | 159641.720 | 10342.805 | 441295.090 |
| 3 | 13:40:33 | 130373.450 | 144109.150 | 164774.510 | 89790.674 | 236960.020 | 3.125 | 159320.980 | 10244.297 | 442480.930 |
| x | | 130933.230 | 143302.670 | 163733.540 | 90228.850 | 236101.750 | 4.167 | 159529.020 | 10280.260 | 442861.810 |
| σ | | 523.620 | 719.491 | 1590.354 | 717.146 | 1193.018 | 0.902 | 180.371 | 54.368 | 1787.851 |
| %RSD | | 0.400 | 0.502 | 0.971 | 0.795 | 0.505 | 21.651 | 0.113 | 0.529 | 0.404 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:38:17 | 7353.455 | 7353.455 | 432364.070 | 109952.760 | 298998.150 | 422799.730 | 393757.490 | 691000.020 | 443459.010 |
| 2 | 13:39:25 | 7311.245 | 7311.245 | 432975.940 | 109526.070 | 300564.900 | 426076.200 | 385451.130 | 681169.370 | 443289.810 |
| 3 | 13:40:33 | 7562.939 | 7562.939 | 437214.640 | 110873.910 | 301490.340 | 423644.520 | 389712.880 | 690280.520 | 436314.300 |
| x | | 7409.213 | 7409.213 | 434184.880 | 110117.580 | 300351.130 | 424173.480 | 389640.500 | 687483.300 | 441021.040 |
| σ | | 134.793 | 134.793 | 2641.625 | 688.868 | 1259.771 | 1701.077 | 4153.652 | 5479.847 | 4077.036 |
| %RSD | | 1.819 | 1.819 | 0.608 | 0.626 | 0.419 | 0.401 | 1.066 | 0.797 | 0.924 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:38:17 | 481178.820 | 901504.490 | 2167762.100 | 722399.060 | 680122.790 | 1596477.300 | 429577.170 | 4233538.400 |
| 2 | 13:39:25 | 477495.780 | 896886.350 | 2180143.300 | 718063.480 | 673913.670 | 1590068.200 | 427737.240 | 4198676.200 |
| 3 | 13:40:33 | 475330.010 | 899856.890 | 2169337.400 | 718892.720 | 678665.250 | 1611880.900 | 424206.140 | 4229972.600 |
| x | | 478001.530 | 899415.910 | 2172414.300 | 719785.090 | 677567.240 | 1599475.500 | 427173.520 | 4220729.100 |
| σ | | 2957.023 | 2340.438 | 6739.702 | 2301.427 | 3246.923 | 11211.194 | 2729.532 | 19181.381 |
| %RSD | | 0.619 | 0.260 | 0.310 | 0.320 | 0.479 | 0.701 | 0.639 | 0.454 |

**CCB** 05/01/2011 01:45:04 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:46:12 | 16484.505 | 10.938 | 160.938 | 235.939 | 128886.610 | 5693.322 | 751.582 | 931.280 | 1257.868 |
| 2 | 13:47:20 | 16525.177 | 13.542 | 134.376 | 253.127 | 133866.470 | 7788.060 | 1043.788 | 1182.862 | 1676.661 |
| 3 | 13:48:28 | 16465.734 | 16.667 | 117.188 | 293.753 | 131732.710 | 7725.526 | 1062.540 | 1273.494 | 1678.224 |
| x | | 16491.805 | 13.715 | 137.501 | 260.940 | 131495.260 | 7068.969 | 952.637 | 1129.212 | 1537.584 |
| σ | | 30.387 | 2.869 | 22.042 | 29.688 | 2498.406 | 1191.756 | 174.370 | 177.303 | 242.243 |
| %RSD | | 0.184 | 20.915 | 16.030 | 11.377 | 1.900 | 16.859 | 18.304 | 15.701 | 15.755 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:46:12 | 515.634 | 982.846 | 16421.933 | 75549.242 | 95018.073 | 37.500 | 739.082 | 60167.061 | 43.750 |
| 2 | 13:47:20 | 625.014 | 1025.037 | 16906.874 | 75995.349 | 95836.009 | 23.438 | 923.467 | 60416.548 | 35.938 |
| 3 | 13:48:28 | 584.387 | 996.910 | 16856.814 | 76284.383 | 96342.524 | 45.313 | 845.338 | 62076.768 | 23.438 |
| x | | 575.012 | 1001.598 | 16728.540 | 75942.992 | 95732.202 | 35.417 | 835.962 | 60886.793 | 34.375 |
| σ | | 55.289 | 21.482 | 266.707 | 370.357 | 668.300 | 11.085 | 92.550 | 1038.072 | 10.246 |
| %RSD | | 9.615 | 2.145 | 1.594 | 0.488 | 0.698 | 31.300 | 11.071 | 1.705 | 29.807 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:46:12 | 10369.387 | 407.818 | 3436.351 | 3225.364 | 435.944 | 40758.060 | 1456.324 | 98.438 | 57.813 |
| 2 | 13:47:20 | 10170.807 | 435.944 | 3337.890 | 3259.747 | 520.322 | 42994.288 | 1467.263 | 190.626 | 56.250 |
| 3 | 13:48:28 | 9798.672 | 442.194 | 3122.216 | 3275.375 | 492.196 | 43226.236 | 1461.012 | 179.689 | 56.250 |
| x | | 10112.955 | 428.652 | 3298.819 | 3253.496 | 482.821 | 42326.195 | 1461.533 | 156.251 | 56.771 |
| σ | | 289.722 | 18.311 | 160.671 | 25.585 | 42.963 | 1362.988 | 5.488 | 50.365 | 0.902 |
| %RSD | | 2.865 | 4.272 | 4.871 | 0.786 | 8.898 | 3.220 | 0.375 | 32.234 | 1.589 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:46:12 | 196.876 | 98.438 | 121.876 | 116.146 | 21.875 | 21.875 | 138.542 | 21.875 | 15.625 |
| 2 | 13:47:20 | 234.377 | 90.625 | 148.438 | 120.313 | 23.438 | 23.438 | 142.188 | 19.792 | 16.667 |
| 3 | 13:48:28 | 260.940 | 101.563 | 101.563 | 118.230 | 43.750 | 43.750 | 145.313 | 20.833 | 20.833 |
| x | | 230.731 | 96.875 | 123.959 | 118.230 | 29.688 | 29.688 | 142.015 | 20.833 | 17.708 |
| σ | | 32.187 | 5.634 | 23.507 | 2.083 | 12.204 | 12.204 | 3.389 | 1.042 | 2.756 |
| %RSD | | 13.950 | 5.815 | 18.964 | 1.762 | 41.107 | 41.107 | 2.386 | 5.000 | 15.563 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:46:12 | 190.626 | 243.752 | 306.253 | 184.376 | 439.069 | 0.000 | 165959.990 | 118.750 | 218.752 |
| 2 | 13:47:20 | 178.126 | 167.188 | 209.377 | 104.688 | 296.878 | 0.000 | 166628.640 | 121.876 | 256.252 |
| 3 | 13:48:28 | 135.938 | 145.313 | 167.188 | 96.875 | 217.189 | 1.563 | 171306.930 | 142.188 | 240.627 |
| x | | 168.230 | 185.418 | 227.606 | 128.646 | 317.712 | 0.521 | 167965.190 | 127.605 | 238.544 |
| σ | | 28.656 | 51.689 | 71.302 | 48.421 | 112.398 | 0.902 | 2913.279 | 12.726 | 18.837 |
| %RSD | | 17.034 | 27.877 | 31.327 | 37.639 | 35.377 | 173.205 | 1.734 | 9.973 | 7.897 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:46:12 | 4.688 | 4.688 | 204.689 | 39.063 | 326.566 | 565.636 | 114.063 | 206.251 | 438785.150 |
| 2 | 13:47:20 | 3.125 | 3.125 | 239.065 | 56.250 | 320.316 | 468.758 | 193.751 | 318.754 | 440470.210 |
| 3 | 13:48:28 | 4.688 | 4.688 | 209.377 | 50.000 | 278.128 | 453.132 | 171.876 | 312.503 | 445602.300 |
| x | | 4.167 | 4.167 | 217.710 | 48.438 | 308.337 | 495.842 | 159.897 | 279.169 | 441619.220 |
| σ | | 0.902 | 0.902 | 18.641 | 8.700 | 26.348 | 60.946 | 41.173 | 63.226 | 3550.854 |
| %RSD | | 21.651 | 21.651 | 8.563 | 17.961 | 8.545 | 12.291 | 25.750 | 22.648 | 0.804 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:46:12 | 475376.840 | 390.630 | 1028.162 | 248.440 | 232.814 | 565.636 | 431699.090 | 1264.118 |
| 2 | 13:47:20 | 477213.130 | 501.571 | 1232.866 | 339.067 | 312.503 | 728.144 | 438851.190 | 1595.402 |
| 3 | 13:48:28 | 485518.890 | 456.257 | 1129.732 | 340.629 | 295.316 | 714.080 | 446000.380 | 1625.092 |
| x | | 479369.620 | 449.486 | 1130.253 | 309.378 | 280.211 | 669.287 | 438850.220 | 1494.871 |
| σ | | 5403.993 | 55.780 | 102.353 | 52.780 | 41.937 | 90.039 | 7150.642 | 200.388 |
| %RSD | | 1.127 | 12.410 | 9.056 | 17.060 | 14.966 | 13.453 | 1.629 | 13.405 |

**C1868-03 MF3T92** 05/01/2011 01:52:59 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:54:07 | 16198.241 | 10.417 | 13650.268 | 687.517 | 146522450.000 | 20457987.000 | 2763353.500 | 3288864.300 | 2800.034 |
| 2 | 13:55:15 | 16055.893 | 9.896 | 13795.721 | 625.014 | 144307170.000 | 20168213.000 | 2749620.800 | 3285803.600 | 2190.193 |
| 3 | 13:56:23 | 16651.887 | 8.854 | 13891.125 | 659.390 | 147295200.000 | 20494877.000 | 2775011.900 | 3319092.200 | 2064.561 |
| x | | 16302.007 | 9.722 | 13779.038 | 657.307 | 146041600.000 | 20373692.000 | 2762662.100 | 3297920.000 | 2351.596 |
| σ | | 311.252 | 0.796 | 121.292 | 31.303 | 1550961.600 | 178903.510 | 12709.650 | 18399.375 | 393.406 |
| %RSD | | 1.909 | 8.183 | 0.880 | 4.762 | 1.062 | 0.878 | 0.460 | 0.558 | 16.729 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:54:07 | 1369102.400 | 806.273 | 379846.150 | 573617.770 | 2439811.500 | 179384.860 | 3076445.200 | 63472.289 | 92.188 |
| 2 | 13:55:15 | 1365166.700 | 793.772 | 377810.410 | 590995.660 | 2476067.100 | 177165.230 | 3070086.500 | 64692.586 | 109.375 |
| 3 | 13:56:23 | 1385452.900 | 784.397 | 377970.820 | 594779.180 | 2465486.900 | 179345.310 | 3079037.800 | 64471.770 | 106.250 |
| x | | 1373240.700 | 794.814 | 378542.460 | 586464.210 | 2460455.100 | 178631.800 | 3075189.800 | 64212.215 | 102.605 |
| σ | | 10757.597 | 10.975 | 1131.875 | 11285.029 | 18644.172 | 1270.239 | 4605.798 | 650.237 | 9.155 |
| %RSD | | 0.783 | 1.381 | 0.299 | 1.924 | 0.758 | 0.711 | 0.150 | 1.013 | 8.923 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:54:07 | 91161.817 | 943.781 | 18920.333 | 3123.779 | 790.647 | 49361.696 | 14842.081 | 607.825 | 564.074 |
| 2 | 13:55:15 | 92984.445 | 918.780 | 19600.938 | 2919.048 | 734.394 | 47925.568 | 14696.618 | 600.013 | 585.950 |
| 3 | 13:56:23 | 94738.098 | 946.906 | 20317.563 | 2784.646 | 571.886 | 45154.061 | 15383.278 | 464.070 | 670.328 |
| x | | 92961.453 | 936.489 | 19612.945 | 2942.491 | 698.976 | 47480.442 | 14973.992 | 557.303 | 606.784 |
| σ | | 1788.251 | 15.416 | 698.692 | 170.777 | 113.600 | 2138.843 | 361.837 | 80.836 | 56.108 |
| %RSD | | 1.924 | 1.646 | 3.562 | 5.804 | 16.252 | 4.505 | 2.416 | 14.505 | 9.247 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:54:07 | 1664.159 | 823.461 | 684.391 | 1844.390 | 403.131 | 403.131 | 691.163 | 310.420 | 23.958 |
| 2 | 13:55:15 | 1581.338 | 796.897 | 643.765 | 1899.085 | 445.319 | 445.319 | 665.641 | 300.003 | 22.396 |
| 3 | 13:56:23 | 1670.410 | 739.082 | 639.077 | 1887.625 | 435.944 | 435.944 | 659.911 | 329.170 | 18.750 |
| x | | 1638.636 | 786.480 | 655.744 | 1877.033 | 428.131 | 428.131 | 672.238 | 313.198 | 21.701 |
| σ | | 49.720 | 43.144 | 24.920 | 28.845 | 22.153 | 22.153 | 16.638 | 14.781 | 2.673 |
| %RSD | | 3.034 | 5.486 | 3.800 | 1.537 | 5.174 | 5.174 | 2.475 | 4.719 | 12.316 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:54:07 | 1925.698 | 485.946 | 639.077 | 359.380 | 868.776 | 3.125 | 148810.100 | 92.188 | 156.251 |
| 2 | 13:55:15 | 1614.645 | 503.134 | 598.450 | 340.629 | 800.022 | 3.125 | 147870.740 | 107.813 | 121.876 |
| 3 | 13:56:23 | 1611.111 | 482.821 | 593.762 | 339.067 | 737.519 | 1.563 | 149237.970 | 100.000 | 65.625 |
| x | | 1717.151 | 490.633 | 610.430 | 346.358 | 802.106 | 2.604 | 148639.600 | 100.000 | 114.584 |
| σ | | 180.615 | 10.938 | 24.920 | 11.304 | 65.653 | 0.902 | 699.381 | 7.813 | 45.751 |
| %RSD | | 10.518 | 2.229 | 4.082 | 3.264 | 8.185 | 34.641 | 0.471 | 7.813 | 39.928 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:54:07 | 6.250 | 6.250 | 134.376 | 37.500 | 243.752 | 303.128 | 4275.640 | 7611.402 | 428353.750 |
| 2 | 13:55:15 | 6.250 | 6.250 | 103.125 | 43.750 | 217.189 | 262.502 | 4320.966 | 7694.259 | 426884.160 |
| 3 | 13:56:23 | 6.250 | 6.250 | 51.563 | 12.500 | 125.001 | 204.689 | 4463.197 | 7587.952 | 435162.780 |
| x | | 6.250 | 6.250 | 96.355 | 31.250 | 195.314 | 256.773 | 4353.268 | 7631.204 | 430133.560 |
| σ | | 0.000 | 0.000 | 41.820 | 16.536 | 62.325 | 49.469 | 97.862 | 55.851 | 4416.975 |
| %RSD | | 0.000 | 0.000 | 43.402 | 52.915 | 31.910 | 19.266 | 2.248 | 0.732 | 1.027 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:54:07 | 464573.770 | 585.950 | 1321.936 | 659.390 | 628.139 | 1487.577 | 404945.050 | 102077.460 |
| 2 | 13:55:15 | 465761.520 | 384.380 | 893.778 | 592.200 | 543.760 | 1237.554 | 405893.270 | 103432.460 |
| 3 | 13:56:23 | 470106.680 | 220.314 | 521.885 | 467.195 | 370.317 | 953.157 | 406814.230 | 103073.630 |
| x | | 466813.990 | 396.881 | 912.533 | 572.928 | 514.072 | 1226.096 | 405884.180 | 102861.190 |
| σ | | 2912.736 | 183.138 | 400.355 | 97.536 | 131.450 | 267.394 | 934.625 | 702.041 |
| %RSD | | 0.624 | 46.144 | 43.873 | 17.024 | 25.570 | 21.809 | 0.230 | 0.683 |

**C1868-06 MF3TA5S** 05/01/2011 02:00:54 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:02:02 | 15896.339 | 2638.785 | 11102.750 | 1056.289 | 100035910.000 | 9336603.300 | 1253727.900 | 1481439.200 | 639369.600 |
| 2 | 14:03:11 | 16204.498 | 2707.027 | 11251.304 | 1195.363 | 103474690.000 | 9535793.800 | 1297336.200 | 1533563.500 | 653714.620 |
| 3 | 14:04:19 | 16365.619 | 2712.237 | 11704.793 | 1115.669 | 103264860.000 | 9515562.700 | 1274420.000 | 1503505.400 | 641987.880 |
| x | | 16155.485 | 2686.016 | 11352.949 | 1122.440 | 102258490.000 | 9462653.200 | 1275161.400 | 1506169.400 | 645024.030 |
| σ | | 238.448 | 40.986 | 313.628 | 69.784 | 1927668.100 | 109630.130 | 21813.637 | 26164.065 | 7639.280 |
| %RSD | | 1.476 | 1.526 | 2.763 | 6.217 | 1.885 | 1.159 | 1.711 | 1.737 | 1.184 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:02:02 | 1522563.200 | 1225.053 | 173229.910 | 709163.120 | 2102489.700 | 144061.800 | 2494264.000 | 59181.708 | 134.376 |
| 2 | 14:03:11 | 1562965.600 | 1185.987 | 179536.750 | 735765.350 | 2142801.800 | 147485.530 | 2520918.400 | 59208.381 | 93.750 |
| 3 | 14:04:19 | 1539539.900 | 1164.110 | 175543.840 | 729818.520 | 2117193.900 | 144109.150 | 2490411.200 | 60090.176 | 121.876 |
| x | | 1541689.600 | 1191.716 | 176103.500 | 724915.660 | 2120828.400 | 145218.830 | 2501864.500 | 59493.422 | 116.667 |
| σ | | 20286.777 | 30.873 | 3190.451 | 13962.382 | 20400.330 | 1963.168 | 16613.230 | 516.977 | 20.807 |
| %RSD | | 1.316 | 2.591 | 1.812 | 1.926 | 0.962 | 1.352 | 0.664 | 0.869 | 17.835 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:02:02 | 452690.320 | 149528.480 | 43671.337 | 54666.897 | 469845.150 | 872313.890 | 33097.672 | 399393.560 | 85634.020 |
| 2 | 14:03:11 | 468022.710 | 153580.510 | 46179.205 | 56666.855 | 476024.440 | 896460.850 | 34546.408 | 412749.640 | 87864.691 |
| 3 | 14:04:19 | 464325.260 | 152233.390 | 47448.981 | 55432.338 | 469020.260 | 876144.200 | 34864.366 | 408685.260 | 87100.659 |
| x | | 461679.430 | 151780.790 | 45766.508 | 55588.696 | 471629.950 | 881639.650 | 34169.482 | 406942.820 | 86866.457 |
| σ | | 8001.306 | 2063.578 | 1922.339 | 1009.106 | 3828.022 | 12977.632 | 941.731 | 6846.406 | 1133.628 |
| %RSD | | 1.733 | 1.360 | 4.200 | 1.815 | 0.812 | 1.472 | 2.756 | 1.682 | 1.305 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:02:02 | 119039.220 | 56873.925 | 78246.515 | 7303.950 | 487.508 | 487.508 | 609.388 | 267.711 | 20.313 |
| 2 | 14:03:11 | 122556.270 | 58704.746 | 80065.930 | 7464.971 | 509.384 | 509.384 | 632.827 | 271.878 | 17.188 |
| 3 | 14:04:19 | 121661.170 | 58433.324 | 79962.226 | 7451.943 | 515.634 | 515.634 | 639.077 | 249.481 | 17.188 |
| x | | 121085.550 | 58003.999 | 79424.891 | 7406.955 | 504.176 | 504.176 | 627.097 | 263.023 | 18.229 |
| σ | | 1827.817 | 988.037 | 1021.819 | 89.442 | 14.769 | 14.769 | 15.652 | 11.911 | 1.804 |
| %RSD | | 1.510 | 1.703 | 1.287 | 1.208 | 2.929 | 2.929 | 2.496 | 4.529 | 9.897 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:02:02 | 326.566 | 376.567 | 464.070 | 239.065 | 667.203 | 1.563 | 152891.930 | 892.215 | 38801.059 |
| 2 | 14:03:11 | 282.815 | 395.318 | 453.132 | 289.065 | 695.329 | 3.125 | 150270.580 | 1057.852 | 39824.182 |
| 3 | 14:04:19 | 253.127 | 409.381 | 482.821 | 282.815 | 640.639 | 3.125 | 154166.450 | 1023.474 | 38970.269 |
| x | | 287.503 | 393.755 | 466.674 | 270.315 | 667.724 | 2.604 | 152442.990 | 991.180 | 39198.503 |
| σ | | 36.943 | 16.462 | 15.015 | 27.244 | 27.349 | 0.902 | 1986.356 | 87.413 | 548.419 |
| %RSD | | 12.850 | 4.181 | 3.217 | 10.078 | 4.096 | 34.641 | 1.303 | 8.819 | 1.399 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:02:02 | 615.638 | 615.638 | 38088.207 | 10700.881 | 496.884 | 78876.528 | 290723.720 | 518940.130 | 432602.370 |
| 2 | 14:03:11 | 689.079 | 689.079 | 39020.406 | 10492.915 | 468.758 | 81715.858 | 298320.140 | 526785.200 | 422386.200 |
| 3 | 14:04:19 | 685.954 | 685.954 | 38191.608 | 10514.806 | 453.132 | 80788.732 | 290720.540 | 521715.070 | 432650.680 |
| x | | 663.557 | 663.557 | 38433.407 | 10569.534 | 472.925 | 80460.373 | 293254.800 | 522480.130 | 429213.080 |
| σ | | 41.528 | 41.528 | 510.978 | 114.276 | 22.171 | 1447.865 | 4386.710 | 3978.096 | 5912.305 |
| %RSD | | 6.258 | 6.258 | 1.330 | 1.081 | 4.688 | 1.799 | 1.496 | 0.761 | 1.377 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:02:02 | 467502.980 | 80284.338 | 194314.170 | 30841.068 | 26313.274 | 63661.846 | 406550.630 | 64804.467 |
| 2 | 14:03:11 | 461528.990 | 82188.872 | 200905.970 | 31033.672 | 27113.205 | 66228.161 | 403591.930 | 66234.440 |
| 3 | 14:04:19 | 472224.850 | 81219.288 | 198687.770 | 30631.242 | 26812.639 | 64033.816 | 414368.960 | 65193.732 |
| x | | 467085.600 | 81230.833 | 197969.300 | 30835.327 | 26746.372 | 64641.274 | 408170.510 | 65410.879 |
| σ | | 5360.130 | 952.320 | 3354.121 | 201.276 | 404.062 | 1386.812 | 5568.132 | 739.304 |
| %RSD | | 1.148 | 1.172 | 1.694 | 0.653 | 1.511 | 2.145 | 1.364 | 1.130 |

**C1868-04 MF3TA5** 05/01/2011 02:08:50 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:09:58 | 15722.710 | 8.333 | 10649.280 | 584.387 | 98561198.000 | 9002849.400 | 1219540.700 | 1442614.700 | 1451.636 |
| 2 | 14:11:06 | 15841.591 | 6.250 | 10932.306 | 584.387 | 99160696.000 | 9114125.500 | 1232648.300 | 1433526.100 | 1495.391 |
| 3 | 14:12:15 | 15804.050 | 6.771 | 10850.994 | 500.009 | 98922320.000 | 9048266.700 | 1223676.600 | 1448235.900 | 1526.644 |
| x | | 15789.450 | 7.118 | 10810.860 | 556.261 | 98881404.000 | 9055080.600 | 1225288.500 | 1441458.900 | 1491.224 |
| σ | | 60.770 | 1.084 | 145.719 | 48.716 | 301835.860 | 55950.096 | 6700.815 | 7422.686 | 37.677 |
| %RSD | | 0.385 | 15.232 | 1.348 | 8.758 | 0.305 | 0.618 | 0.547 | 0.515 | 2.527 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:09:58 | 1496898.600 | 1260.993 | 177268.060 | 629286.360 | 2097009.700 | 140831.390 | 2419040.700 | 59592.787 | 114.063 |
| 2 | 14:11:06 | 1509429.200 | 1187.549 | 178964.010 | 647992.250 | 2103825.900 | 140201.810 | 2414557.800 | 58135.237 | 131.251 |
| 3 | 14:12:15 | 1509228.300 | 1234.428 | 177462.640 | 647312.450 | 2079450.200 | 139643.250 | 2410791.700 | 59475.110 | 121.876 |
| x | | 1505185.400 | 1227.657 | 177898.230 | 641530.350 | 2093428.600 | 140225.480 | 2414796.700 | 59067.711 | 122.396 |
| σ | | 7177.290 | 37.187 | 928.099 | 10609.055 | 12576.259 | 594.424 | 4129.663 | 809.687 | 8.606 |
| %RSD | | 0.477 | 3.029 | 0.522 | 1.654 | 0.601 | 0.424 | 0.171 | 1.371 | 7.031 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:09:58 | 107797.370 | 18932.850 | 27783.241 | 3419.159 | 864.089 | 42268.690 | 12338.138 | 1276.620 | 515.634 |
| 2 | 14:11:06 | 112889.600 | 19419.440 | 29644.789 | 3380.087 | 1003.160 | 42162.126 | 11476.483 | 1346.939 | 496.884 |
| 3 | 14:12:15 | 113631.380 | 19217.605 | 30233.521 | 3392.590 | 951.594 | 42616.596 | 11884.629 | 1189.112 | 523.447 |
| x | | 111439.450 | 19189.965 | 29220.517 | 3397.279 | 939.614 | 42349.137 | 11899.750 | 1270.890 | 511.988 |
| σ | | 3175.867 | 244.470 | 1279.052 | 19.953 | 70.306 | 237.676 | 431.027 | 79.069 | 13.652 |
| %RSD | | 2.850 | 1.274 | 4.377 | 0.587 | 7.482 | 0.561 | 3.622 | 6.222 | 2.666 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:09:58 | 11631.296 | 5694.885 | 962.532 | 1983.471 | 343.754 | 343.754 | 323.962 | 155.730 | 20.833 |
| 2 | 14:11:06 | 11487.429 | 5812.120 | 956.282 | 2128.804 | 387.505 | 387.505 | 352.088 | 153.126 | 16.667 |
| 3 | 14:12:15 | 11592.201 | 5544.826 | 939.093 | 2069.942 | 409.381 | 409.381 | 353.650 | 156.251 | 20.313 |
| x | | 11570.309 | 5683.943 | 952.636 | 2060.739 | 380.213 | 380.213 | 343.233 | 155.036 | 19.271 |
| σ | | 74.390 | 133.982 | 12.137 | 73.102 | 33.415 | 33.415 | 16.708 | 1.674 | 2.270 |
| %RSD | | 0.643 | 2.357 | 1.274 | 3.547 | 8.789 | 8.789 | 4.868 | 1.080 | 11.781 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:09:58 | 235.939 | 370.317 | 398.443 | 267.190 | 653.140 | 3.125 | 155758.580 | 115.625 | 134.376 |
| 2 | 14:11:06 | 270.315 | 379.693 | 431.257 | 268.753 | 662.515 | 3.125 | 155325.790 | 110.938 | 109.375 |
| 3 | 14:12:15 | 262.502 | 371.880 | 450.007 | 300.003 | 642.202 | 6.250 | 153468.370 | 96.875 | 100.000 |
| x | | 256.252 | 373.963 | 426.569 | 278.649 | 652.619 | 4.167 | 154850.910 | 107.813 | 114.584 |
| σ | | 18.020 | 5.023 | 26.100 | 18.510 | 10.167 | 1.804 | 1216.715 | 9.758 | 17.770 |
| %RSD | | 7.032 | 1.343 | 6.119 | 6.643 | 1.558 | 43.301 | 0.786 | 9.051 | 15.508 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:09:58 | 3.125 | 3.125 | 110.938 | 20.313 | 418.756 | 209.377 | 5535.447 | 9747.074 | 442097.460 |
| 2 | 14:11:06 | 6.250 | 6.250 | 126.563 | 21.875 | 426.569 | 237.502 | 5568.273 | 9770.528 | 441667.260 |
| 3 | 14:12:15 | 1.563 | 1.563 | 90.625 | 17.188 | 453.132 | 220.314 | 5233.771 | 9398.403 | 443910.200 |
| x | | 3.646 | 3.646 | 109.375 | 19.792 | 432.819 | 222.398 | 5445.830 | 9638.668 | 442558.310 |
| σ | | 2.387 | 2.387 | 18.020 | 2.387 | 18.020 | 14.178 | 184.381 | 208.406 | 1190.370 |
| %RSD | | 65.465 | 65.465 | 16.475 | 12.059 | 4.163 | 6.375 | 3.386 | 2.162 | 0.269 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:09:58 | 481477.700 | 495.321 | 1132.857 | 2362.695 | 2204.858 | 5322.867 | 418127.690 | 64302.205 |
| 2 | 14:11:06 | 477347.180 | 371.880 | 948.469 | 2454.898 | 2217.360 | 5283.789 | 419823.220 | 65994.270 |
| 3 | 14:12:15 | 479658.640 | 385.943 | 867.214 | 2545.539 | 2282.995 | 5199.383 | 421898.670 | 65725.849 |
| x | | 479494.510 | 417.715 | 982.847 | 2454.378 | 2235.071 | 5268.680 | 419949.860 | 65340.774 |
| σ | | 2070.144 | 67.576 | 136.118 | 91.423 | 41.972 | 63.113 | 1888.673 | 909.386 |
| %RSD | | 0.432 | 16.178 | 13.849 | 3.725 | 1.878 | 1.198 | 0.450 | 1.392 |

**C1868-05 MF3TA5D** 05/01/2011 02:16:46 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:17:54 | 15763.380 | 2.604 | 10861.940 | 435.944 | 98155649.000 | 8969036.000 | 1214784.900 | 1425861.400 | 857.838 |
| 2 | 14:19:02 | 15610.086 | 7.292 | 10933.870 | 434.382 | 99145981.000 | 8987771.100 | 1222839.600 | 1455032.000 | 860.963 |
| 3 | 14:20:10 | 15724.274 | 4.688 | 11088.677 | 451.570 | 99191107.000 | 9024150.600 | 1221604.800 | 1454940.900 | 814.086 |
| x | | 15699.247 | 4.861 | 10961.496 | 440.632 | 98830912.000 | 8993652.600 | 1219743.100 | 1445278.100 | 844.296 |
| σ | | 79.652 | 2.349 | 115.865 | 9.505 | 585230.050 | 28024.055 | 4338.068 | 16815.406 | 26.209 |
| %RSD | | 0.507 | 48.313 | 1.057 | 2.157 | 0.592 | 0.312 | 0.356 | 1.163 | 3.104 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:17:54 | 1499806.100 | 1121.919 | 177677.790 | 619327.500 | 2118724.200 | 140919.760 | 2412549.000 | 59917.579 | 109.375 |
| 2 | 14:19:02 | 1511604.700 | 1198.488 | 176140.170 | 620250.660 | 2099324.900 | 140135.540 | 2417546.400 | 59322.917 | 107.813 |
| 3 | 14:20:10 | 1510077.000 | 1159.422 | 177119.350 | 626388.060 | 2081312.500 | 139349.780 | 2395134.900 | 58568.250 | 92.188 |
| x | | 1507162.600 | 1159.943 | 176979.100 | 621988.740 | 2099787.200 | 140135.030 | 2408410.100 | 59269.582 | 103.125 |
| σ | | 6416.548 | 38.287 | 778.343 | 3837.781 | 18710.159 | 784.988 | 11765.062 | 676.243 | 9.504 |
| %RSD | | 0.426 | 3.301 | 0.440 | 0.617 | 0.891 | 0.560 | 0.488 | 1.141 | 9.216 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:17:54 | 106364.820 | 18917.204 | 27351.158 | 3336.327 | 512.509 | 40745.524 | 12183.318 | 954.719 | 410.943 |
| 2 | 14:19:02 | 109156.060 | 18773.265 | 28303.009 | 3240.993 | 542.198 | 40096.818 | 11542.161 | 932.843 | 384.380 |
| 3 | 14:20:10 | 110573.150 | 18476.002 | 29203.256 | 3223.801 | 457.820 | 39419.938 | 11310.726 | 1003.160 | 440.632 |
| x | | 108698.010 | 18722.157 | 28285.808 | 3267.040 | 504.176 | 40087.426 | 11678.735 | 963.574 | 411.985 |
| σ | | 2141.233 | 224.997 | 926.169 | 60.617 | 42.802 | 662.843 | 452.044 | 35.985 | 28.140 |
| %RSD | | 1.970 | 1.202 | 3.274 | 1.855 | 8.489 | 1.653 | 3.871 | 3.735 | 6.830 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:17:54 | 11443.644 | 5555.768 | 842.212 | 1943.882 | 348.442 | 348.442 | 365.109 | 155.730 | 18.750 |
| 2 | 14:19:02 | 11523.396 | 5515.127 | 785.959 | 2105.363 | 440.632 | 440.632 | 357.817 | 168.751 | 21.354 |
| 3 | 14:20:10 | 11230.975 | 5560.457 | 826.586 | 2026.185 | 370.317 | 370.317 | 327.087 | 163.022 | 19.271 |
| x | | 11399.338 | 5543.784 | 818.253 | 2025.144 | 386.464 | 386.464 | 350.004 | 162.501 | 19.792 |
| σ | | 151.161 | 24.928 | 29.038 | 80.746 | 48.169 | 48.169 | 20.179 | 6.526 | 1.378 |
| %RSD | | 1.326 | 0.450 | 3.549 | 3.987 | 12.464 | 12.464 | 5.765 | 4.016 | 6.963 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:17:54 | 245.315 | 378.130 | 454.695 | 285.940 | 579.699 | 1.563 | 156349.360 | 106.250 | 50.000 |
| 2 | 14:19:02 | 254.690 | 409.381 | 362.505 | 223.439 | 664.078 | 6.250 | 157428.300 | 120.313 | 46.875 |
| 3 | 14:20:10 | 243.752 | 423.444 | 418.756 | 243.752 | 612.513 | 4.688 | 153790.560 | 93.750 | 42.188 |
| x | | 247.919 | 403.652 | 411.985 | 251.044 | 618.763 | 4.167 | 155856.070 | 106.771 | 46.354 |
| σ | | 5.916 | 23.194 | 46.467 | 31.882 | 42.535 | 2.387 | 1868.365 | 13.289 | 3.932 |
| %RSD | | 2.386 | 5.746 | 11.279 | 12.700 | 6.874 | 57.282 | 1.199 | 12.446 | 8.483 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:17:54 | 0.000 | 0.000 | 51.563 | 4.688 | 431.257 | 150.001 | 5183.753 | 9287.393 | 449253.080 |
| 2 | 14:19:02 | 3.125 | 3.125 | 42.188 | 4.688 | 396.881 | 143.751 | 5336.934 | 8998.145 | 443331.710 |
| 3 | 14:20:10 | 3.125 | 3.125 | 32.813 | 4.688 | 370.317 | 106.250 | 5038.388 | 9001.272 | 441726.880 |
| x | | 2.083 | 2.083 | 42.188 | 4.688 | 399.485 | 133.334 | 5186.359 | 9095.604 | 444770.550 |
| σ | | 1.804 | 1.804 | 9.375 | 0.000 | 30.553 | 23.662 | 149.290 | 166.102 | 3964.040 |
| %RSD | | 86.603 | 86.603 | 22.222 | 0.000 | 7.648 | 17.747 | 2.879 | 1.826 | 0.891 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:17:54 | 484413.550 | 165.626 | 353.129 | 2440.834 | 2207.983 | 5107.163 | 424671.210 | 65523.360 |
| 2 | 14:19:02 | 483896.460 | 145.313 | 342.192 | 2515.847 | 2120.470 | 5166.559 | 425784.890 | 65600.274 |
| 3 | 14:20:10 | 476271.540 | 137.501 | 317.191 | 2306.436 | 2090.778 | 4993.060 | 419350.260 | 64826.441 |
| x | | 481527.180 | 149.480 | 337.504 | 2421.039 | 2139.744 | 5088.927 | 423268.790 | 65316.691 |
| σ | | 4558.861 | 14.518 | 18.422 | 106.099 | 60.933 | 88.175 | 3438.928 | 426.308 |
| %RSD | | 0.947 | 9.712 | 5.458 | 4.382 | 2.848 | 1.733 | 0.812 | 0.653 |

**zzzzzz** 05/01/2011 02:24:43 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:25:51 | 15841.591 | 567.720 | 2642.432 | 409.381 | 21494714.000 | 1980572.200 | 261066.980 | 314602.960 | 133599.930 |
| 2 | 14:26:59 | 16110.642 | 529.697 | 2503.344 | 439.069 | 21012280.000 | 1939712.300 | 257358.410 | 309582.550 | 132896.540 |
| 3 | 14:28:07 | 16138.798 | 511.988 | 2554.916 | 445.319 | 21150859.000 | 1932360.500 | 255055.150 | 313456.290 | 133954.790 |
| x | | 16030.344 | 536.468 | 2566.897 | 431.257 | 21219285.000 | 1950881.700 | 257826.850 | 312547.270 | 133483.750 |
| σ | | 164.070 | 28.476 | 70.314 | 19.201 | 248389.160 | 25974.208 | 3033.168 | 2630.753 | 538.607 |
| %RSD | | 1.023 | 5.308 | 2.739 | 4.452 | 1.171 | 1.331 | 1.176 | 0.842 | 0.403 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:25:51 | 319348.720 | 865.651 | 49617.266 | 215300.900 | 507128.680 | 30601.491 | 507837.580 | 59674.376 | 21.875 |
| 2 | 14:26:59 | 315454.240 | 895.341 | 48811.372 | 213483.300 | 504529.660 | 30169.323 | 494738.180 | 59227.209 | 31.250 |
| 3 | 14:28:07 | 313224.730 | 970.345 | 49085.747 | 211076.050 | 498770.120 | 29394.272 | 490904.580 | 58649.834 | 37.500 |
| x | | 316009.230 | 910.446 | 49171.462 | 213286.750 | 503476.150 | 30055.029 | 497826.780 | 59183.806 | 30.208 |
| σ | | 3099.489 | 53.957 | 409.727 | 2119.272 | 4277.708 | 611.671 | 8878.974 | 513.648 | 7.864 |
| %RSD | | 0.981 | 5.926 | 0.833 | 0.994 | 0.850 | 2.035 | 1.784 | 0.868 | 26.034 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:25:51 | 113097.480 | 32120.445 | 15292.556 | 13853.589 | 100036.530 | 212273.280 | 7969.410 | 84513.313 | 18414.986 |
| 2 | 14:26:59 | 111499.050 | 31329.629 | 15492.771 | 13981.839 | 97225.035 | 210251.520 | 7878.735 | 84734.932 | 18291.390 |
| 3 | 14:28:07 | 111025.070 | 31494.052 | 15164.294 | 13453.207 | 96474.661 | 207681.530 | 7722.399 | 84521.172 | 18493.212 |
| x | | 111873.870 | 31648.042 | 15316.540 | 13762.878 | 97912.077 | 210068.780 | 7856.848 | 84589.805 | 18399.863 |
| σ | | 1085.858 | 417.291 | 165.547 | 275.743 | 1877.699 | 2301.326 | 124.951 | 125.745 | 101.757 |
| %RSD | | 0.971 | 1.319 | 1.081 | 2.004 | 1.918 | 1.096 | 1.590 | 0.149 | 0.553 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:25:51 | 26231.874 | 12683.753 | 17305.788 | 1701.664 | 164.063 | 164.063 | 226.564 | 68.229 | 23.958 |
| 2 | 14:26:59 | 25610.436 | 12641.528 | 17064.874 | 1636.031 | 121.876 | 121.876 | 223.960 | 72.396 | 19.792 |
| 3 | 14:28:07 | 25413.209 | 12302.170 | 17024.200 | 1634.989 | 139.063 | 139.063 | 220.314 | 60.417 | 21.354 |
| x | | 25751.840 | 12542.484 | 17131.621 | 1657.562 | 141.667 | 141.667 | 223.613 | 67.014 | 21.701 |
| σ | | 427.258 | 209.186 | 152.198 | 38.197 | 21.214 | 21.214 | 3.139 | 6.081 | 2.105 |
| %RSD | | 1.659 | 1.668 | 0.888 | 2.304 | 14.975 | 14.975 | 1.404 | 9.075 | 9.699 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:25:51 | 57.813 | 82.813 | 106.250 | 68.750 | 150.001 | 4.688 | 159234.090 | 265.627 | 8446.246 |
| 2 | 14:26:59 | 46.875 | 89.063 | 98.438 | 54.688 | 117.188 | 3.125 | 161108.050 | 285.940 | 8178.903 |
| 3 | 14:28:07 | 64.063 | 101.563 | 79.688 | 62.500 | 118.750 | 1.563 | 161370.360 | 270.315 | 8227.369 |
| x | | 56.250 | 91.146 | 94.792 | 61.979 | 128.646 | 3.125 | 160570.830 | 273.961 | 8284.173 |
| σ | | 8.700 | 9.547 | 13.651 | 7.046 | 18.510 | 1.563 | 1165.060 | 10.636 | 142.436 |
| %RSD | | 15.466 | 10.474 | 14.402 | 11.368 | 14.388 | 50.000 | 0.726 | 3.882 | 1.719 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:25:51 | 175.001 | 175.001 | 8103.860 | 2292.371 | 137.501 | 16947.547 | 61449.063 | 110031.490 | 434610.400 |
| 2 | 14:26:59 | 115.625 | 115.625 | 8074.156 | 2179.854 | 159.376 | 16564.285 | 61982.611 | 108101.210 | 438453.320 |
| 3 | 14:28:07 | 137.501 | 137.501 | 8278.961 | 2170.477 | 112.500 | 16705.074 | 60840.216 | 107669.850 | 436156.460 |
| x | | 142.709 | 142.709 | 8152.326 | 2214.234 | 136.459 | 16738.969 | 61423.963 | 108600.850 | 436406.730 |
| σ | | 30.029 | 30.029 | 110.670 | 67.831 | 23.455 | 193.866 | 571.611 | 1257.604 | 1933.643 |
| %RSD | | 21.042 | 21.042 | 1.358 | 3.063 | 17.188 | 1.158 | 0.931 | 1.158 | 0.443 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:25:51 | 469841.930 | 16971.012 | 41336.280 | 6518.674 | 5601.098 | 13564.249 | 421295.310 | 13406.288 |
| 2 | 14:26:59 | 478710.430 | 17027.329 | 41536.861 | 6365.480 | 5551.078 | 12954.308 | 424434.650 | 12912.083 |
| 3 | 14:28:07 | 475186.280 | 16944.418 | 41337.847 | 6276.378 | 5518.253 | 13267.095 | 431098.550 | 13179.514 |
| x | | 474579.550 | 16980.920 | 41403.663 | 6386.844 | 5556.810 | 13261.884 | 425609.500 | 13165.961 |
| σ | | 4465.277 | 42.334 | 115.356 | 122.553 | 41.719 | 305.004 | 5006.104 | 247.381 |
| %RSD | | 0.941 | 0.249 | 0.279 | 1.919 | 0.751 | 2.300 | 1.176 | 1.879 |

**C1868-03X25 MF3T92** 05/01/2011 02:32:40 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:33:48 | 16766.083 | 1.563 | 820.336 | 254.690 | 6671297.700 | 917311.280 | 120651.090 | 146088.480 | 709.393 |
| 2 | 14:34:56 | 16565.849 | 0.000 | 812.523 | 279.690 | 6673048.800 | 924542.540 | 121174.240 | 145846.970 | 704.705 |
| 3 | 14:36:05 | 16737.925 | 4.688 | 804.710 | 270.315 | 6759884.900 | 936241.360 | 122578.330 | 148609.590 | 646.890 |
| x | | 16689.952 | 2.083 | 812.523 | 268.232 | 6701410.500 | 926031.730 | 121467.890 | 146848.350 | 686.996 |
| σ | | 108.395 | 2.387 | 7.813 | 12.630 | 50647.935 | 9552.496 | 996.612 | 1530.058 | 34.812 |
| %RSD | | 0.649 | 114.564 | 0.962 | 4.709 | 0.756 | 1.032 | 0.820 | 1.042 | 5.067 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:33:48 | 61588.725 | 912.529 | 32165.859 | 102818.680 | 199319.920 | 7852.157 | 131005.760 | 61882.177 | 23.438 |
| 2 | 14:34:56 | 61092.853 | 946.906 | 32228.500 | 103246.750 | 199575.010 | 7825.580 | 131964.520 | 61533.802 | 17.188 |
| 3 | 14:36:05 | 62203.882 | 870.339 | 32298.972 | 102806.090 | 200384.660 | 7825.580 | 133088.940 | 61962.210 | 9.375 |
| x | | 61628.487 | 909.925 | 32231.110 | 102957.180 | 199759.870 | 7834.439 | 132019.740 | 61792.730 | 16.667 |
| σ | | 556.581 | 38.350 | 66.595 | 250.860 | 555.920 | 15.344 | 1042.690 | 227.781 | 7.046 |
| %RSD | | 0.903 | 4.215 | 0.207 | 0.244 | 0.278 | 0.196 | 0.790 | 0.369 | 42.274 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:33:48 | 19474.202 | 432.819 | 5935.608 | 2875.289 | 232.814 | 38465.779 | 1701.664 | 71.875 | 62.500 |
| 2 | 14:34:56 | 18507.293 | 393.755 | 5780.857 | 3030.009 | 270.315 | 38655.353 | 1881.374 | 79.688 | 46.875 |
| 3 | 14:36:05 | 18113.038 | 368.755 | 5526.069 | 2934.676 | 237.502 | 38760.324 | 1757.921 | 62.500 | 59.375 |
| x | | 18698.178 | 398.443 | 5747.511 | 2946.658 | 246.877 | 38627.152 | 1780.320 | 71.354 | 56.250 |
| σ | | 700.371 | 32.288 | 206.796 | 78.053 | 20.433 | 149.284 | 91.925 | 8.606 | 8.268 |
| %RSD | | 3.746 | 8.104 | 3.598 | 2.649 | 8.276 | 0.386 | 5.163 | 12.060 | 14.699 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:33:48 | 159.376 | 62.500 | 81.250 | 216.668 | 59.375 | 59.375 | 174.480 | 30.208 | 17.708 |
| 2 | 14:34:56 | 123.438 | 60.938 | 79.688 | 240.627 | 75.000 | 75.000 | 179.689 | 33.333 | 19.271 |
| 3 | 14:36:05 | 129.688 | 51.563 | 57.813 | 218.231 | 57.813 | 57.813 | 165.105 | 29.688 | 23.438 |
| x | | 137.501 | 58.333 | 72.917 | 225.175 | 64.063 | 64.063 | 173.091 | 31.076 | 20.139 |
| σ | | 19.201 | 5.916 | 13.104 | 13.404 | 9.504 | 9.504 | 7.390 | 1.972 | 2.962 |
| %RSD | | 13.964 | 10.141 | 17.971 | 5.953 | 14.836 | 14.836 | 4.270 | 6.345 | 14.706 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:33:48 | 20.313 | 15.625 | 21.875 | 17.188 | 43.750 | 6.250 | 172061.220 | 123.438 | 15.625 |
| 2 | 14:34:56 | 23.438 | 18.750 | 17.188 | 26.563 | 26.563 | 1.563 | 172698.530 | 114.063 | 15.625 |
| 3 | 14:36:05 | 20.313 | 26.563 | 26.563 | 18.750 | 43.750 | 3.125 | 170271.220 | 123.438 | 9.375 |
| x | | 21.354 | 20.313 | 21.875 | 20.833 | 38.021 | 3.646 | 171676.990 | 120.313 | 13.542 |
| σ | | 1.804 | 5.634 | 4.688 | 5.023 | 9.923 | 2.387 | 1258.447 | 5.413 | 3.608 |
| %RSD | | 8.449 | 27.735 | 21.429 | 24.109 | 26.099 | 65.465 | 0.733 | 4.499 | 26.647 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:33:48 | 1.563 | 1.563 | 9.375 | 4.688 | 65.625 | 29.688 | 196.876 | 367.192 | 456200.950 |
| 2 | 14:34:56 | 1.563 | 1.563 | 17.188 | 0.000 | 48.438 | 42.188 | 232.814 | 398.443 | 457796.090 |
| 3 | 14:36:05 | 0.000 | 0.000 | 12.500 | 4.688 | 70.313 | 34.375 | 226.564 | 367.192 | 457155.750 |
| x | | 1.042 | 1.042 | 13.021 | 3.125 | 61.458 | 35.417 | 218.752 | 377.609 | 457050.930 |
| σ | | 0.902 | 0.902 | 3.932 | 2.706 | 11.517 | 6.315 | 19.201 | 18.043 | 802.721 |
| %RSD | | 86.603 | 86.603 | 30.199 | 86.603 | 18.740 | 17.830 | 8.777 | 4.778 | 0.176 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:33:48 | 495438.390 | 140.626 | 326.566 | 51.563 | 37.500 | 126.563 | 448885.540 | 4177.173 |
| 2 | 14:34:56 | 497977.550 | 120.313 | 270.315 | 37.500 | 40.625 | 131.251 | 449820.520 | 4228.751 |
| 3 | 14:36:05 | 492980.520 | 114.063 | 248.440 | 50.000 | 35.938 | 117.188 | 453823.880 | 4186.551 |
| x | | 495465.480 | 125.001 | 281.774 | 46.354 | 38.021 | 125.001 | 450843.310 | 4197.492 |
| σ | | 2498.627 | 13.888 | 40.304 | 7.708 | 2.387 | 7.160 | 2623.240 | 27.474 |
| %RSD | | 0.504 | 11.110 | 14.304 | 16.628 | 6.278 | 5.728 | 0.582 | 0.655 |

**C1868-06X25 MF3TA5S** 05/01/2011 02:40:38 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:41:46 | 16249.862 | 96.354 | 520.322 | 262.502 | 4283010.800 | 386155.540 | 50129.989 | 60618.966 | 25663.656 |
| 2 | 14:42:54 | 15789.971 | 106.250 | 545.323 | 289.065 | 4290405.200 | 388601.030 | 50804.240 | 61409.833 | 25826.449 |
| 3 | 14:44:02 | 15456.795 | 96.354 | 578.137 | 290.628 | 4361833.200 | 396417.350 | 51671.404 | 62073.630 | 26757.848 |
| x | | 15832.209 | 99.653 | 547.927 | 280.732 | 4311749.700 | 390391.300 | 50868.544 | 61367.476 | 26082.651 |
| σ | | 398.217 | 5.713 | 28.995 | 15.807 | 43530.838 | 5360.038 | 772.717 | 728.256 | 590.376 |
| %RSD | | 2.515 | 5.733 | 5.292 | 5.630 | 1.010 | 1.373 | 1.519 | 1.187 | 2.263 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:41:46 | 60110.574 | 912.529 | 22635.105 | 102730.550 | 181816.880 | 5823.062 | 95886.345 | 61279.588 | 15.625 |
| 2 | 14:42:54 | 60973.595 | 814.086 | 22433.225 | 104943.420 | 181986.200 | 5929.355 | 98894.247 | 60838.647 | 10.938 |
| 3 | 14:44:02 | 62363.953 | 915.654 | 22477.044 | 106476.580 | 183939.100 | 6095.050 | 99920.098 | 58671.799 | 14.063 |
| x | | 61149.374 | 880.756 | 22515.125 | 104716.850 | 182580.730 | 5949.156 | 98233.563 | 60263.344 | 13.542 |
| σ | | 1136.927 | 57.760 | 106.191 | 1883.265 | 1179.428 | 137.071 | 2096.465 | 1395.840 | 2.387 |
| %RSD | | 1.859 | 6.558 | 0.472 | 1.798 | 0.646 | 2.304 | 2.134 | 2.316 | 17.625 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:41:46 | 29798.233 | 6238.862 | 5971.560 | 5144.676 | 19162.844 | 71514.492 | 2297.060 | 16428.191 | 3627.023 |
| 2 | 14:42:54 | 30231.955 | 6438.951 | 5776.168 | 5163.433 | 19502.365 | 72549.378 | 2450.210 | 16698.817 | 3686.413 |
| 3 | 14:44:02 | 30374.444 | 6457.709 | 5683.943 | 5110.289 | 19998.363 | 73114.749 | 2331.440 | 16989.784 | 3703.605 |
| x | | 30134.877 | 6378.507 | 5810.557 | 5139.466 | 19554.524 | 72392.873 | 2359.570 | 16705.597 | 3672.347 |
| σ | | 300.122 | 121.300 | 146.860 | 26.952 | 420.194 | 811.527 | 80.357 | 280.858 | 40.182 |
| %RSD | | 0.996 | 1.902 | 2.527 | 0.524 | 2.149 | 1.121 | 3.406 | 1.681 | 1.094 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:41:46 | 5068.086 | 2473.652 | 3616.083 | 407.297 | 65.625 | 65.625 | 161.980 | 31.771 | 16.146 |
| 2 | 14:42:54 | 5130.609 | 2511.158 | 3528.561 | 401.568 | 56.250 | 56.250 | 153.126 | 32.813 | 23.958 |
| 3 | 14:44:02 | 5225.956 | 2554.916 | 3641.089 | 409.902 | 65.625 | 65.625 | 142.709 | 30.208 | 20.833 |
| x | | 5141.550 | 2513.242 | 3595.244 | 406.256 | 62.500 | 62.500 | 152.605 | 31.597 | 20.313 |
| σ | | 79.501 | 40.672 | 59.088 | 4.263 | 5.413 | 5.413 | 9.646 | 1.311 | 3.932 |
| %RSD | | 1.546 | 1.618 | 1.643 | 1.049 | 8.660 | 8.660 | 6.321 | 4.148 | 19.359 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:41:46 | 23.438 | 29.688 | 20.313 | 18.750 | 51.563 | 1.563 | 173090.740 | 148.438 | 1717.291 |
| 2 | 14:42:54 | 20.313 | 23.438 | 12.500 | 15.625 | 35.938 | 1.563 | 171515.660 | 145.313 | 1636.031 |
| 3 | 14:44:02 | 25.000 | 14.063 | 37.500 | 7.813 | 34.375 | 0.000 | 166924.250 | 148.438 | 1776.673 |
| x | | 22.917 | 22.396 | 23.438 | 14.063 | 40.625 | 1.042 | 170510.220 | 147.397 | 1709.998 |
| σ | | 2.387 | 7.864 | 12.790 | 5.634 | 9.504 | 0.902 | 3203.837 | 1.804 | 70.604 |
| %RSD | | 10.415 | 35.116 | 54.569 | 40.062 | 23.395 | 86.603 | 1.879 | 1.224 | 4.129 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:41:46 | 31.250 | 31.250 | 1586.026 | 423.444 | 64.063 | 3075.331 | 12086.361 | 21419.170 | 462721.330 |
| 2 | 14:42:54 | 23.438 | 23.438 | 1682.912 | 398.443 | 64.063 | 3398.842 | 12220.850 | 21488.024 | 460085.080 |
| 3 | 14:44:02 | 26.563 | 26.563 | 1648.533 | 454.695 | 75.000 | 3391.027 | 12624.326 | 22464.524 | 447431.600 |
| x | | 27.083 | 27.083 | 1639.157 | 425.527 | 67.708 | 3288.400 | 12310.512 | 21790.573 | 456746.000 |
| σ | | 3.932 | 3.932 | 49.119 | 28.184 | 6.315 | 184.565 | 279.966 | 584.673 | 8173.494 |
| %RSD | | 14.519 | 14.519 | 2.997 | 6.623 | 9.326 | 5.613 | 2.274 | 2.683 | 1.790 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:41:46 | 502722.280 | 3459.794 | 8192.974 | 1242.242 | 1121.919 | 2728.386 | 458323.540 | 2529.912 |
| 2 | 14:42:54 | 501366.480 | 3575.447 | 8490.022 | 1332.875 | 1103.168 | 2711.195 | 457517.050 | 2815.903 |
| 3 | 14:44:02 | 483881.920 | 3528.561 | 8582.265 | 1411.007 | 1151.609 | 2772.144 | 445536.230 | 2675.251 |
| x | | 495990.230 | 3521.267 | 8421.754 | 1328.708 | 1125.565 | 2737.241 | 453792.270 | 2673.688 |
| σ | | 10507.991 | 58.171 | 203.426 | 84.460 | 24.426 | 31.425 | 7161.308 | 143.002 |
| %RSD | | 2.119 | 1.652 | 2.415 | 6.357 | 2.170 | 1.148 | 1.578 | 5.348 |

**C1868-04X25 MF3TA5** 05/01/2011 02:48:36 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:49:44 | 15386.406 | 3.125 | 548.448 | 242.190 | 4359528.900 | 398359.880 | 51542.816 | 61971.626 | 565.636 |
| 2 | 14:50:52 | 15722.710 | 1.042 | 601.575 | 234.377 | 4351074.200 | 395390.910 | 51193.124 | 61527.525 | 529.697 |
| 3 | 14:52:01 | 16096.563 | 1.563 | 548.448 | 254.690 | 4431747.100 | 401267.260 | 52824.046 | 63172.180 | 581.262 |
| x | | 15735.227 | 1.910 | 566.157 | 243.752 | 4380783.400 | 398339.350 | 51853.328 | 62223.777 | 558.865 |
| σ | | 355.244 | 1.084 | 30.673 | 10.246 | 44337.830 | 2938.231 | 858.656 | 850.827 | 26.441 |
| %RSD | | 2.258 | 56.773 | 5.418 | 4.204 | 1.012 | 0.738 | 1.656 | 1.367 | 4.731 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:49:44 | 64413.642 | 829.712 | 21979.395 | 99756.460 | 180020.910 | 6051.281 | 101232.410 | 59136.208 | 20.313 |
| 2 | 14:50:52 | 63431.136 | 904.716 | 22386.276 | 100687.960 | 178663.400 | 5880.898 | 99197.904 | 60793.141 | 21.875 |
| 3 | 14:52:01 | 65725.849 | 931.280 | 22494.258 | 102022.380 | 179066.850 | 6327.964 | 101820.950 | 60469.899 | 17.188 |
| x | | 64523.542 | 888.569 | 22286.643 | 100822.270 | 179250.390 | 6086.714 | 100750.420 | 60133.082 | 19.792 |
| σ | | 1151.297 | 52.674 | 271.507 | 1138.914 | 697.117 | 225.629 | 1376.346 | 878.317 | 2.387 |
| %RSD | | 1.784 | 5.928 | 1.218 | 1.130 | 0.389 | 3.707 | 1.366 | 1.461 | 12.059 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:49:44 | 14469.824 | 1100.042 | 4638.253 | 2933.114 | 201.564 | 37312.727 | 1387.567 | 73.438 | 39.063 |
| 2 | 14:50:52 | 14186.728 | 1142.233 | 4492.894 | 2897.169 | 176.564 | 37718.478 | 1432.884 | 59.375 | 34.375 |
| 3 | 14:52:01 | 14222.701 | 1165.673 | 4453.819 | 2819.028 | 239.065 | 37895.508 | 1509.455 | 73.438 | 46.875 |
| x | | 14293.085 | 1135.983 | 4528.322 | 2883.104 | 205.731 | 37642.238 | 1443.302 | 68.750 | 40.104 |
| σ | | 154.114 | 33.259 | 97.187 | 58.329 | 31.458 | 298.777 | 61.608 | 8.119 | 6.315 |
| %RSD | | 1.078 | 2.928 | 2.146 | 2.023 | 15.291 | 0.794 | 4.269 | 11.809 | 15.746 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:49:44 | 562.511 | 321.879 | 117.188 | 178.647 | 75.000 | 75.000 | 164.584 | 16.667 | 19.271 |
| 2 | 14:50:52 | 520.322 | 251.565 | 87.500 | 186.460 | 29.688 | 29.688 | 160.418 | 18.750 | 19.792 |
| 3 | 14:52:01 | 601.575 | 301.566 | 120.313 | 185.939 | 43.750 | 43.750 | 171.355 | 33.333 | 23.438 |
| x | | 561.469 | 291.670 | 108.334 | 183.682 | 49.479 | 49.479 | 165.452 | 22.917 | 20.833 |
| σ | | 40.637 | 36.186 | 18.110 | 4.368 | 23.193 | 23.193 | 5.520 | 9.081 | 2.270 |
| %RSD | | 7.238 | 12.407 | 16.717 | 2.378 | 46.875 | 46.875 | 3.336 | 39.626 | 10.897 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:49:44 | 21.875 | 20.313 | 34.375 | 17.188 | 37.500 | 1.563 | 165997.930 | 107.813 | 12.500 |
| 2 | 14:50:52 | 18.750 | 32.813 | 37.500 | 17.188 | 34.375 | 6.250 | 172741.230 | 106.250 | 12.500 |
| 3 | 14:52:01 | 12.500 | 17.188 | 25.000 | 25.000 | 31.250 | 1.563 | 170715.540 | 121.876 | 6.250 |
| x | | 17.708 | 23.438 | 32.292 | 19.792 | 34.375 | 3.125 | 169818.230 | 111.980 | 10.417 |
| σ | | 4.774 | 8.268 | 6.505 | 4.511 | 3.125 | 2.706 | 3460.044 | 8.606 | 3.608 |
| %RSD | | 26.956 | 35.277 | 20.145 | 22.790 | 9.091 | 86.603 | 2.037 | 7.685 | 34.641 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:49:44 | 0.000 | 0.000 | 17.188 | 4.688 | 65.625 | 32.813 | 260.940 | 460.945 | 452646.780 |
| 2 | 14:50:52 | 0.000 | 0.000 | 14.063 | 1.563 | 70.313 | 31.250 | 285.940 | 448.445 | 459401.090 |
| 3 | 14:52:01 | 0.000 | 0.000 | 10.938 | 1.563 | 85.938 | 23.438 | 257.815 | 443.757 | 455791.300 |
| x | | 0.000 | 0.000 | 14.063 | 2.604 | 73.959 | 29.167 | 268.232 | 451.049 | 455946.390 |
| σ | | 0.000 | 0.000 | 3.125 | 1.804 | 10.636 | 5.023 | 15.416 | 8.885 | 3379.822 |
| %RSD | | 0.000 | 0.000 | 22.222 | 69.282 | 14.381 | 17.221 | 5.747 | 1.970 | 0.741 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:49:44 | 490584.490 | 78.125 | 151.563 | 151.563 | 114.063 | 317.191 | 449440.070 | 2756.516 |
| 2 | 14:50:52 | 503638.080 | 75.000 | 160.938 | 148.438 | 120.313 | 293.753 | 460075.400 | 2797.149 |
| 3 | 14:52:01 | 493438.100 | 60.938 | 146.876 | 126.563 | 131.251 | 276.565 | 450958.700 | 2537.725 |
| x | | 495886.890 | 71.354 | 153.126 | 142.188 | 121.876 | 295.836 | 453491.390 | 2697.130 |
| σ | | 6862.686 | 9.155 | 7.160 | 13.622 | 8.700 | 20.393 | 5752.256 | 139.535 |
| %RSD | | 1.384 | 12.831 | 4.676 | 9.580 | 7.138 | 6.893 | 1.268 | 5.173 |

**C1868-05X25 MF3TA5D** 05/01/2011 02:56:35 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:57:43 | 15849.412 | 3.646 | 489.071 | 253.127 | 4301039.200 | 390764.240 | 51301.324 | 62265.085 | 503.134 |
| 2 | 14:58:51 | 15641.371 | 2.604 | 514.072 | 250.002 | 4349065.700 | 394785.310 | 51365.617 | 61697.004 | 450.007 |
| 3 | 14:59:59 | 16379.697 | 2.083 | 520.322 | 276.565 | 4349751.300 | 392388.580 | 51994.448 | 61744.081 | 553.136 |
| x | | 15956.827 | 2.778 | 507.822 | 259.898 | 4333285.400 | 392646.050 | 51553.796 | 61902.057 | 502.092 |
| σ | | 380.703 | 0.796 | 16.537 | 14.518 | 27928.144 | 2022.861 | 382.967 | 315.272 | 51.572 |
| %RSD | | 2.386 | 28.641 | 3.256 | 5.586 | 0.645 | 0.515 | 0.743 | 0.509 | 10.271 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:57:43 | 64652.217 | 946.906 | 23101.476 | 100857.900 | 178233.080 | 5879.335 | 98954.034 | 60402.426 | 17.188 |
| 2 | 14:58:51 | 64432.477 | 910.967 | 23135.907 | 101767.440 | 178478.300 | 5921.539 | 98906.833 | 59948.960 | 9.375 |
| 3 | 14:59:59 | 65229.833 | 815.648 | 22736.829 | 101827.240 | 179077.920 | 5873.082 | 98957.180 | 61458.479 | 14.063 |
| x | | 64771.509 | 891.174 | 22991.404 | 101484.200 | 178596.430 | 5891.319 | 98939.349 | 60603.288 | 13.542 |
| σ | | 411.846 | 67.831 | 221.139 | 543.210 | 434.633 | 26.358 | 28.203 | 774.546 | 3.932 |
| %RSD | | 0.636 | 7.611 | 0.962 | 0.535 | 0.243 | 0.447 | 0.029 | 1.278 | 29.038 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:57:43 | 13165.439 | 1134.420 | 4167.795 | 3075.331 | 203.126 | 37939.375 | 1584.463 | 43.750 | 37.500 |
| 2 | 14:58:51 | 13159.183 | 1210.989 | 4225.625 | 2870.601 | 146.876 | 38027.107 | 1425.071 | 54.688 | 23.438 |
| 3 | 14:59:59 | 13132.596 | 1126.607 | 4000.560 | 2895.606 | 176.564 | 37834.409 | 1526.644 | 45.313 | 37.500 |
| x | | 13152.406 | 1157.339 | 4131.327 | 2947.179 | 175.522 | 37933.630 | 1512.059 | 47.917 | 32.813 |
| σ | | 17.439 | 46.626 | 116.880 | 111.685 | 28.140 | 96.477 | 80.691 | 5.916 | 8.119 |
| %RSD | | 0.133 | 4.029 | 2.829 | 3.790 | 16.032 | 0.254 | 5.336 | 12.345 | 24.744 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:57:43 | 559.386 | 275.003 | 64.063 | 180.209 | 50.000 | 50.000 | 162.501 | 27.604 | 19.271 |
| 2 | 14:58:51 | 546.885 | 235.939 | 84.375 | 156.251 | 37.500 | 37.500 | 158.334 | 25.000 | 16.146 |
| 3 | 14:59:59 | 576.574 | 254.690 | 87.500 | 172.918 | 48.438 | 48.438 | 152.084 | 20.313 | 13.542 |
| x | | 560.949 | 255.211 | 78.646 | 169.793 | 45.313 | 45.313 | 157.640 | 24.306 | 16.319 |
| σ | | 14.906 | 19.537 | 12.726 | 12.281 | 6.811 | 6.811 | 5.243 | 3.695 | 2.869 |
| %RSD | | 2.657 | 7.655 | 16.181 | 7.233 | 15.031 | 15.031 | 3.326 | 15.203 | 17.577 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:57:43 | 26.563 | 17.188 | 25.000 | 15.625 | 28.125 | 3.125 | 166693.460 | 126.563 | 3.125 |
| 2 | 14:58:51 | 15.625 | 17.188 | 20.313 | 15.625 | 28.125 | 1.563 | 169330.450 | 112.500 | 4.688 |
| 3 | 14:59:59 | 20.313 | 15.625 | 18.750 | 18.750 | 42.188 | 4.688 | 171997.970 | 114.063 | 7.813 |
| x | | 20.833 | 16.667 | 21.354 | 16.667 | 32.813 | 3.125 | 169340.620 | 117.709 | 5.208 |
| σ | | 5.487 | 0.902 | 3.253 | 1.804 | 8.119 | 1.563 | 2652.271 | 7.708 | 2.387 |
| %RSD | | 26.339 | 5.413 | 15.232 | 10.825 | 24.744 | 50.000 | 1.566 | 6.548 | 45.826 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:57:43 | 0.000 | 0.000 | 4.688 | 0.000 | 60.938 | 15.625 | 229.689 | 360.942 | 451256.960 |
| 2 | 14:58:51 | 1.563 | 1.563 | 3.125 | 1.563 | 76.563 | 15.625 | 196.876 | 398.443 | 453781.960 |
| 3 | 14:59:59 | 0.000 | 0.000 | 4.688 | 0.000 | 53.125 | 14.063 | 209.377 | 389.068 | 460281.890 |
| x | | 0.521 | 0.521 | 4.167 | 0.521 | 63.542 | 15.104 | 211.981 | 382.818 | 455106.940 |
| σ | | 0.902 | 0.902 | 0.902 | 0.902 | 11.934 | 0.902 | 16.561 | 19.516 | 4656.075 |
| %RSD | | 173.205 | 173.205 | 21.651 | 173.205 | 18.781 | 5.973 | 7.812 | 5.098 | 1.023 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 14:57:43 | 488314.940 | 51.563 | 100.000 | 139.063 | 96.875 | 251.565 | 448927.450 | 2712.758 |
| 2 | 14:58:51 | 488428.080 | 45.313 | 100.000 | 121.876 | 85.938 | 298.441 | 448730.790 | 2629.930 |
| 3 | 14:59:59 | 499709.930 | 56.250 | 106.250 | 120.313 | 123.438 | 278.128 | 460667.460 | 2683.064 |
| x | | 492150.980 | 51.042 | 102.084 | 127.084 | 102.084 | 276.044 | 452775.230 | 2675.251 |
| σ | | 6546.486 | 5.487 | 3.608 | 10.404 | 19.285 | 23.507 | 6835.579 | 41.963 |
| %RSD | | 1.330 | 10.751 | 3.535 | 8.187 | 18.891 | 8.516 | 1.510 | 1.569 |

**zzzzzz** 05/01/2011 03:04:33 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:05:41 | 16126.284 | 22.396 | 175.001 | 273.440 | 893171.950 | 77695.080 | 10414.732 | 12480.449 | 5780.857 |
| 2 | 15:06:50 | 16079.357 | 26.042 | 154.688 | 234.377 | 881373.490 | 76791.778 | 10532.006 | 12899.571 | 5894.966 |
| 3 | 15:07:58 | 15603.830 | 23.438 | 154.688 | 242.190 | 897722.430 | 78402.052 | 10627.389 | 12655.603 | 5782.420 |
| x | | 15936.490 | 23.958 | 161.459 | 250.002 | 890755.960 | 77629.637 | 10524.709 | 12678.541 | 5819.414 |
| σ | | 289.046 | 1.878 | 11.728 | 20.670 | 8437.992 | 807.129 | 106.516 | 210.500 | 65.434 |
| %RSD | | 1.814 | 7.838 | 7.263 | 8.268 | 0.947 | 1.040 | 1.012 | 1.660 | 1.124 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:05:41 | 13656.524 | 948.469 | 17748.519 | 84951.840 | 112732.110 | 1210.989 | 20290.963 | 62411.033 | 3.125 |
| 2 | 15:06:50 | 13202.973 | 871.902 | 18095.829 | 85709.470 | 111442.370 | 1150.046 | 20389.540 | 63406.025 | 18.750 |
| 3 | 15:07:58 | 13872.357 | 923.467 | 17526.369 | 86130.742 | 112492.740 | 1237.554 | 21015.446 | 60769.604 | 28.125 |
| x | | 13577.285 | 914.613 | 17790.239 | 85597.351 | 112222.410 | 1199.530 | 20565.316 | 62195.554 | 16.667 |
| σ | | 341.655 | 39.044 | 287.013 | 597.395 | 686.055 | 44.865 | 392.928 | 1331.354 | 12.630 |
| %RSD | | 2.516 | 4.269 | 1.613 | 0.698 | 0.611 | 3.740 | 1.911 | 2.141 | 75.777 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:05:41 | 12156.733 | 1571.962 | 3378.525 | 3372.273 | 4216.247 | 46058.504 | 1295.371 | 3562.944 | 773.458 |
| 2 | 15:06:50 | 12133.275 | 1596.964 | 3100.336 | 3384.776 | 4130.284 | 45953.479 | 1295.371 | 3328.513 | 810.961 |
| 3 | 15:07:58 | 11843.970 | 1637.594 | 3044.074 | 3326.950 | 4153.729 | 46017.748 | 1373.504 | 3431.662 | 815.648 |
| x | | 12044.659 | 1602.173 | 3174.312 | 3361.333 | 4166.753 | 46009.910 | 1321.415 | 3441.040 | 800.022 |
| σ | | 174.197 | 33.125 | 179.077 | 30.426 | 44.437 | 52.949 | 45.110 | 117.497 | 23.124 |
| %RSD | | 1.446 | 2.067 | 5.641 | 0.905 | 1.066 | 0.115 | 3.414 | 3.415 | 2.890 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:05:41 | 1078.166 | 521.885 | 721.893 | 146.355 | 34.375 | 34.375 | 147.397 | 20.313 | 21.875 |
| 2 | 15:06:50 | 1071.915 | 523.447 | 739.082 | 140.105 | 40.625 | 40.625 | 162.501 | 16.667 | 27.083 |
| 3 | 15:07:58 | 1089.104 | 507.822 | 706.267 | 148.438 | 28.125 | 28.125 | 143.230 | 17.188 | 26.042 |
| x | | 1079.728 | 517.718 | 722.414 | 144.966 | 34.375 | 34.375 | 151.042 | 18.056 | 25.000 |
| σ | | 8.700 | 8.606 | 16.413 | 4.337 | 6.250 | 6.250 | 10.140 | 1.972 | 2.756 |
| %RSD | | 0.806 | 1.662 | 2.272 | 2.992 | 18.182 | 18.182 | 6.713 | 10.921 | 11.024 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:05:41 | 7.813 | 6.250 | 6.250 | 9.375 | 18.750 | 1.563 | 175850.700 | 139.063 | 360.942 |
| 2 | 15:06:50 | 12.500 | 6.250 | 3.125 | 9.375 | 15.625 | 3.125 | 177984.700 | 106.250 | 334.379 |
| 3 | 15:07:58 | 9.375 | 9.375 | 7.813 | 12.500 | 14.063 | 3.125 | 171683.280 | 109.375 | 362.505 |
| x | | 9.896 | 7.292 | 5.729 | 10.417 | 16.146 | 2.604 | 175172.890 | 118.230 | 352.609 |
| σ | | 2.387 | 1.804 | 2.387 | 1.804 | 2.387 | 0.902 | 3204.923 | 18.110 | 15.807 |
| %RSD | | 24.119 | 24.744 | 41.660 | 17.321 | 14.783 | 34.641 | 1.830 | 15.318 | 4.483 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:05:41 | 6.250 | 6.250 | 365.630 | 93.750 | 45.313 | 664.078 | 2361.133 | 4511.650 | 466307.010 |
| 2 | 15:06:50 | 7.813 | 7.813 | 367.192 | 75.000 | 46.875 | 673.453 | 2387.700 | 4256.884 | 470042.100 |
| 3 | 15:07:58 | 6.250 | 6.250 | 340.629 | 81.250 | 48.438 | 679.704 | 2492.405 | 4546.036 | 456392.870 |
| x | | 6.771 | 6.771 | 357.817 | 83.334 | 46.875 | 672.412 | 2413.746 | 4438.190 | 464247.330 |
| σ | | 0.902 | 0.902 | 14.906 | 9.547 | 1.563 | 7.865 | 69.404 | 157.954 | 7053.872 |
| %RSD | | 13.323 | 13.323 | 4.166 | 11.456 | 3.333 | 1.170 | 2.875 | 3.559 | 1.519 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:05:41 | 499853.900 | 778.146 | 1762.609 | 264.065 | 225.002 | 517.197 | 463570.070 | 526.572 |
| 2 | 15:06:50 | 508326.380 | 785.959 | 1784.486 | 245.315 | 260.940 | 598.450 | 468944.400 | 589.075 |
| 3 | 15:07:58 | 497139.740 | 695.329 | 1746.982 | 281.253 | 262.502 | 618.763 | 459773.730 | 535.948 |
| x | | 501773.340 | 753.145 | 1764.692 | 263.544 | 249.481 | 578.137 | 464096.060 | 550.531 |
| σ | | 5835.105 | 50.222 | 18.839 | 17.975 | 21.214 | 53.744 | 4607.906 | 33.707 |
| %RSD | | 1.163 | 6.668 | 1.068 | 6.820 | 8.503 | 9.296 | 0.993 | 6.123 |

**CCV** 05/01/2011 03:12:31 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:13:39 | 14200.805 | 24470.941 | 4696.084 | 312.503 | 19481660.000 | 13329022.000 | 1820213.000 | 2167087.100 | 3063100.400 |
| 2 | 15:14:47 | 14289.956 | 24437.551 | 4780.487 | 346.879 | 19488463.000 | 13198182.000 | 1777390.000 | 2137878.600 | 3040366.200 |
| 3 | 15:15:56 | 13847.333 | 24386.943 | 4921.160 | 317.191 | 19668642.000 | 13284598.000 | 1796175.600 | 2140830.200 | 3056507.300 |
| x | | 14112.698 | 24431.812 | 4799.244 | 325.525 | 19546255.000 | 13270600.000 | 1797926.200 | 2148598.600 | 3053324.600 |
| σ | | 234.096 | 42.292 | 113.704 | 18.642 | 106045.190 | 66533.575 | 21465.133 | 16079.348 | 11696.523 |
| %RSD | | 1.659 | 0.173 | 2.369 | 5.727 | 0.543 | 0.501 | 1.194 | 0.748 | 0.383 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:13:39 | 29911.027 | 150927.450 | 15477.129 | 73007.955 | 9099558.600 | 46625.834 | 690593.550 | 54383.004 | 22312.724 |
| 2 | 15:14:47 | 29600.189 | 150857.980 | 15369.200 | 72797.510 | 8968033.800 | 47103.110 | 683333.180 | 54439.468 | 22139.016 |
| 3 | 15:15:56 | 29758.242 | 152328.140 | 15406.741 | 73381.738 | 8957554.900 | 46752.341 | 689313.590 | 53587.820 | 22079.550 |
| x | | 29756.486 | 151371.190 | 15417.690 | 73062.401 | 9008382.400 | 46827.095 | 687746.780 | 54136.764 | 22177.097 |
| σ | | 155.426 | 829.471 | 54.791 | 295.895 | 79134.541 | 247.263 | 3875.491 | 476.237 | 121.162 |
| %RSD | | 0.522 | 0.548 | 0.355 | 0.405 | 0.878 | 0.528 | 0.564 | 0.880 | 0.546 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:13:39 | 347718.400 | 328058.400 | 41795.426 | 1239652.300 | 938791.810 | 21123323.000 | 524172.260 | 395289.570 | 84932.978 |
| 2 | 15:14:47 | 343227.360 | 326055.510 | 42506.895 | 1231770.200 | 931984.230 | 21149785.000 | 529312.780 | 393751.070 | 84442.584 |
| 3 | 15:15:56 | 347234.980 | 326819.540 | 42069.666 | 1233924.400 | 936800.040 | 21312374.000 | 527403.180 | 395532.080 | 85687.464 |
| x | | 346060.250 | 326977.820 | 42123.996 | 1235115.600 | 935858.690 | 21195160.000 | 526962.740 | 394857.570 | 85021.008 |
| σ | | 2465.232 | 1010.782 | 358.833 | 4073.880 | 3500.056 | 102368.650 | 2598.409 | 965.902 | 627.091 |
| %RSD | | 0.712 | 0.309 | 0.852 | 0.330 | 0.374 | 0.483 | 0.493 | 0.245 | 0.738 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:13:39 | 428580.720 | 206912.680 | 158237.160 | 62819.065 | 4102.151 | 4102.151 | 13198.281 | 5720.416 | 22.396 |
| 2 | 15:14:47 | 427048.340 | 207033.150 | 159867.670 | 62942.524 | 4063.078 | 4063.078 | 13375.008 | 5775.125 | 23.958 |
| 3 | 15:15:56 | 425424.380 | 206460.900 | 159540.600 | 62697.700 | 4130.284 | 4130.284 | 13300.460 | 5713.121 | 25.000 |
| x | | 427017.810 | 206802.240 | 159215.140 | 62819.763 | 4098.505 | 4098.505 | 13291.250 | 5736.221 | 23.785 |
| σ | | 1578.388 | 301.688 | 862.599 | 122.413 | 33.751 | 33.751 | 88.723 | 33.889 | 1.311 |
| %RSD | | 0.370 | 0.146 | 0.542 | 0.195 | 0.824 | 0.824 | 0.668 | 0.591 | 5.511 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:13:39 | 123385.230 | 133248.230 | 152039.150 | 84143.955 | 223309.950 | 3.125 | 152953.520 | 9623.553 | 421905.100 |
| 2 | 15:14:47 | 123421.480 | 133555.770 | 152920.350 | 85726.761 | 223497.220 | 4.688 | 152740.320 | 9842.452 | 415797.070 |
| 3 | 15:15:56 | 124904.600 | 133950.060 | 154163.290 | 84269.692 | 224389.160 | 1.563 | 151862.280 | 9839.325 | 421261.520 |
| x | | 123903.770 | 133584.690 | 153040.930 | 84713.469 | 223732.110 | 3.125 | 152518.710 | 9768.443 | 419654.560 |
| σ | | 866.933 | 351.808 | 1067.194 | 879.785 | 576.677 | 1.563 | 578.389 | 125.488 | 3356.152 |
| %RSD | | 0.700 | 0.263 | 0.697 | 1.039 | 0.258 | 50.000 | 0.379 | 1.285 | 0.800 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:13:39 | 6982.956 | 6982.956 | 406817.450 | 105760.350 | 286573.940 | 407609.870 | 370983.380 | 656649.420 | 432515.420 |
| 2 | 15:14:47 | 7093.948 | 7093.948 | 412678.890 | 106290.830 | 287814.130 | 410153.000 | 372729.530 | 665040.130 | 430615.550 |
| 3 | 15:15:56 | 7065.810 | 7065.810 | 408447.350 | 105250.360 | 287898.620 | 412006.780 | 372965.250 | 661910.630 | 427556.960 |
| x | | 7047.571 | 7047.571 | 409314.560 | 105767.180 | 287428.900 | 409923.220 | 372226.050 | 661200.060 | 430229.310 |
| σ | | 57.700 | 57.700 | 3025.422 | 520.270 | 741.616 | 2207.442 | 1082.617 | 4240.246 | 2501.692 |
| %RSD | | 0.819 | 0.819 | 0.739 | 0.492 | 0.258 | 0.539 | 0.291 | 0.641 | 0.581 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:13:39 | 471772.770 | 869841.640 | 2103689.000 | 698597.080 | 659596.250 | 1554763.800 | 424412.120 | 4166845.300 |
| 2 | 15:14:47 | 468263.220 | 880324.160 | 2112314.900 | 709965.600 | 670815.010 | 1560579.300 | 422275.170 | 4151026.100 |
| 3 | 15:15:56 | 464919.110 | 876298.560 | 2114773.200 | 703404.250 | 668214.480 | 1568457.300 | 422106.230 | 4197620.200 |
| x | | 468318.370 | 875488.120 | 2110259.000 | 703988.980 | 666208.580 | 1561266.800 | 422931.170 | 4171830.500 |
| σ | | 3427.163 | 5288.047 | 5821.043 | 5706.775 | 5872.213 | 6872.568 | 1285.316 | 23693.685 |
| %RSD | | 0.732 | 0.604 | 0.276 | 0.811 | 0.881 | 0.440 | 0.304 | 0.568 |

**CCB** 05/01/2011 03:20:26 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:21:34 | 14931.236 | 18.229 | 140.626 | 250.002 | 141094.910 | 9534.431 | 1289.121 | 1571.962 | 3367.584 |
| 2 | 15:22:42 | 14788.901 | 14.063 | 96.875 | 254.690 | 133003.780 | 6415.503 | 903.154 | 981.284 | 2833.093 |
| 3 | 15:23:50 | 14882.748 | 6.250 | 109.375 | 237.502 | 130302.500 | 3537.938 | 501.571 | 601.575 | 2203.295 |
| x | | 14867.629 | 12.847 | 115.625 | 247.398 | 134800.400 | 6495.957 | 897.949 | 1051.607 | 2801.324 |
| σ | | 72.362 | 6.081 | 22.535 | 8.885 | 5616.042 | 2999.056 | 393.800 | 489.000 | 582.795 |
| %RSD | | 0.487 | 47.336 | 19.490 | 3.591 | 4.166 | 46.168 | 43.856 | 46.500 | 20.804 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:21:34 | 562.511 | 1098.480 | 15625.729 | 74490.580 | 98452.146 | 40.625 | 812.523 | 57352.395 | 43.750 |
| 2 | 15:22:42 | 540.635 | 896.903 | 15596.009 | 74339.797 | 94459.701 | 32.813 | 671.891 | 55794.682 | 68.750 |
| 3 | 15:23:50 | 571.886 | 878.152 | 15877.569 | 77038.414 | 92344.375 | 18.750 | 526.572 | 56640.187 | 50.000 |
| x | | 558.344 | 957.845 | 15699.769 | 75289.597 | 95085.407 | 30.729 | 670.329 | 56595.754 | 54.167 |
| σ | | 16.037 | 122.154 | 154.695 | 1516.395 | 3101.588 | 11.085 | 142.982 | 779.806 | 13.010 |
| %RSD | | 2.872 | 12.753 | 0.985 | 2.014 | 3.262 | 36.074 | 21.330 | 1.378 | 24.019 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:21:34 | 8050.705 | 429.694 | 2587.734 | 3337.890 | 759.395 | 43386.095 | 1411.007 | 264.065 | 68.750 |
| 2 | 15:22:42 | 7623.909 | 400.006 | 2497.093 | 3161.287 | 517.197 | 40303.648 | 1218.802 | 178.126 | 59.375 |
| 3 | 15:23:50 | 7401.917 | 332.816 | 2461.150 | 2865.912 | 390.630 | 36223.993 | 1043.788 | 85.938 | 46.875 |
| x | | 7692.177 | 387.505 | 2515.326 | 3121.697 | 555.741 | 39971.245 | 1224.532 | 176.043 | 58.333 |
| σ | | 329.738 | 49.634 | 65.232 | 238.466 | 187.380 | 3592.603 | 183.677 | 89.082 | 10.975 |
| %RSD | | 4.287 | 12.809 | 2.593 | 7.639 | 33.717 | 8.988 | 15.000 | 50.602 | 18.814 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:21:34 | 312.503 | 156.251 | 214.064 | 121.355 | 26.563 | 26.563 | 145.834 | 23.958 | 18.229 |
| 2 | 15:22:42 | 267.190 | 109.375 | 123.438 | 103.646 | 26.563 | 26.563 | 146.876 | 23.438 | 21.875 |
| 3 | 15:23:50 | 167.188 | 70.313 | 100.000 | 81.771 | 23.438 | 23.438 | 139.584 | 17.708 | 18.750 |
| x | | 248.961 | 111.980 | 145.834 | 102.257 | 25.521 | 25.521 | 144.098 | 21.701 | 19.618 |
| σ | | 74.353 | 43.028 | 60.240 | 19.828 | 1.804 | 1.804 | 3.944 | 3.468 | 1.972 |
| %RSD | | 29.865 | 38.425 | 41.307 | 19.391 | 7.070 | 7.070 | 2.737 | 15.980 | 10.051 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:21:34 | 190.626 | 289.065 | 301.566 | 201.564 | 495.321 | 3.125 | 164774.510 | 132.813 | 379.693 |
| 2 | 15:22:42 | 110.938 | 193.751 | 218.752 | 154.688 | 337.504 | 1.563 | 158834.360 | 118.750 | 170.314 |
| 3 | 15:23:50 | 96.875 | 117.188 | 128.126 | 90.625 | 192.189 | 1.563 | 161074.860 | 96.875 | 100.000 |
| x | | 132.813 | 200.002 | 216.148 | 148.959 | 341.671 | 2.083 | 161561.240 | 116.146 | 216.669 |
| σ | | 50.559 | 86.109 | 86.749 | 55.691 | 151.609 | 0.902 | 2999.795 | 18.110 | 145.494 |
| %RSD | | 38.068 | 43.054 | 40.134 | 37.387 | 44.373 | 43.301 | 1.857 | 15.592 | 67.150 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:21:34 | 9.375 | 9.375 | 393.755 | 76.563 | 400.006 | 671.891 | 268.753 | 398.443 | 443960.160 |
| 2 | 15:22:42 | 1.563 | 1.563 | 203.126 | 53.125 | 309.378 | 457.820 | 207.814 | 281.253 | 435678.130 |
| 3 | 15:23:50 | 0.000 | 0.000 | 106.250 | 14.063 | 254.690 | 345.317 | 104.688 | 134.376 | 438633.730 |
| x | | 3.646 | 3.646 | 234.377 | 47.917 | 321.358 | 491.676 | 193.751 | 271.357 | 439424.010 |
| σ | | 5.023 | 5.023 | 146.278 | 31.574 | 73.395 | 165.899 | 82.931 | 132.312 | 4197.188 |
| %RSD | | 137.766 | 137.766 | 62.411 | 65.893 | 22.839 | 33.741 | 42.803 | 48.759 | 0.955 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:21:34 | 480897.710 | 959.407 | 2272.056 | 567.199 | 548.448 | 1181.299 | 449494.880 | 2612.739 |
| 2 | 15:22:42 | 471897.090 | 540.635 | 1093.792 | 337.504 | 312.503 | 729.706 | 440574.930 | 1761.046 |
| 3 | 15:23:50 | 474299.720 | 231.252 | 576.574 | 176.564 | 165.626 | 439.069 | 440061.010 | 926.593 |
| x | | 475698.170 | 577.098 | 1314.141 | 360.422 | 342.192 | 783.358 | 443376.940 | 1766.793 |
| σ | | 4660.422 | 365.445 | 868.953 | 196.323 | 193.130 | 374.012 | 5304.522 | 843.088 |
| %RSD | | 0.980 | 63.325 | 66.123 | 54.470 | 56.439 | 47.745 | 1.196 | 47.719 |

**C1868-07 MF3TA6** 05/01/2011 03:28:22 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:29:30 | 14645.003 | 16.146 | 9465.635 | 578.137 | 88561989.000 | 8144039.400 | 1109632.400 | 1293901.400 | 1789.175 |
| 2 | 15:30:38 | 14588.695 | 7.813 | 9329.608 | 692.204 | 89537157.000 | 8287091.500 | 1135222.400 | 1335889.800 | 1496.953 |
| 3 | 15:31:46 | 14640.311 | 8.333 | 9589.155 | 645.327 | 88913353.000 | 8235271.800 | 1113303.300 | 1318062.800 | 1078.166 |
| x | | 14624.670 | 10.764 | 9461.466 | 638.556 | 89004167.000 | 8222134.200 | 1119386.100 | 1315951.400 | 1454.765 |
| σ | | 31.243 | 4.668 | 129.824 | 57.334 | 493886.160 | 72425.251 | 13836.974 | 21073.681 | 357.377 |
| %RSD | | 0.214 | 43.369 | 1.372 | 8.979 | 0.555 | 0.881 | 1.236 | 1.601 | 24.566 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:29:30 | 1433371.000 | 1215.677 | 163241.440 | 588433.720 | 1921183.800 | 122122.890 | 2099794.100 | 55245.679 | 87.500 |
| 2 | 15:30:38 | 1469533.000 | 1165.673 | 167216.710 | 607856.480 | 1952552.900 | 126075.760 | 2150654.900 | 55311.559 | 89.063 |
| 3 | 15:31:46 | 1465519.100 | 1031.287 | 164227.640 | 614686.490 | 1928675.100 | 123423.060 | 2127266.500 | 56186.839 | 106.250 |
| x | | 1456141.000 | 1137.545 | 164895.260 | 603658.900 | 1934137.300 | 123873.900 | 2125905.200 | 55581.359 | 94.271 |
| σ | | 19821.280 | 95.358 | 2070.019 | 13620.454 | 16382.378 | 2014.630 | 25457.728 | 525.395 | 10.404 |
| %RSD | | 1.361 | 8.383 | 1.255 | 2.256 | 0.847 | 1.626 | 1.198 | 0.945 | 11.036 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:29:30 | 91370.959 | 19151.892 | 22944.974 | 3816.135 | 925.030 | 49178.252 | 9997.247 | 732.831 | 332.816 |
| 2 | 15:30:38 | 96161.624 | 20056.256 | 24305.033 | 3733.300 | 696.892 | 47245.182 | 9800.235 | 720.331 | 362.505 |
| 3 | 15:31:46 | 97426.400 | 19812.166 | 25209.724 | 3322.261 | 710.955 | 44223.030 | 9575.083 | 593.762 | 335.941 |
| x | | 94986.328 | 19673.438 | 24153.244 | 3623.899 | 777.626 | 46882.155 | 9790.855 | 682.308 | 343.754 |
| σ | | 3194.227 | 467.871 | 1139.979 | 264.489 | 127.849 | 2497.478 | 211.238 | 76.937 | 16.313 |
| %RSD | | 3.363 | 2.378 | 4.720 | 7.298 | 16.441 | 5.327 | 2.158 | 11.276 | 4.746 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:29:30 | 4905.530 | 2465.838 | 2829.968 | 1716.249 | 315.628 | 315.628 | 376.567 | 146.355 | 17.708 |
| 2 | 15:30:38 | 5105.600 | 2490.842 | 3078.457 | 1820.949 | 325.004 | 325.004 | 372.922 | 151.042 | 23.438 |
| 3 | 15:31:46 | 5038.388 | 2437.708 | 2979.998 | 1819.387 | 323.441 | 323.441 | 378.651 | 156.251 | 21.875 |
| x | | 5016.506 | 2464.796 | 2962.808 | 1785.528 | 321.358 | 321.358 | 376.047 | 151.216 | 21.007 |
| σ | | 101.814 | 26.582 | 125.133 | 60.003 | 5.023 | 5.023 | 2.900 | 4.950 | 2.962 |
| %RSD | | 2.030 | 1.078 | 4.223 | 3.361 | 1.563 | 1.563 | 0.771 | 3.274 | 14.098 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:29:30 | 903.154 | 478.133 | 603.138 | 317.191 | 759.395 | 1.563 | 148371.200 | 107.813 | 153.126 |
| 2 | 15:30:38 | 582.824 | 460.945 | 507.822 | 328.129 | 771.896 | 0.000 | 148293.840 | 109.375 | 92.188 |
| 3 | 15:31:46 | 440.632 | 450.007 | 485.946 | 314.066 | 765.646 | 3.125 | 148800.630 | 82.813 | 65.625 |
| x | | 642.203 | 463.028 | 532.302 | 319.795 | 765.646 | 1.563 | 148488.550 | 100.000 | 103.646 |
| σ | | 236.909 | 14.178 | 62.313 | 7.384 | 6.250 | 1.563 | 273.018 | 14.905 | 44.862 |
| %RSD | | 36.890 | 3.062 | 11.706 | 2.309 | 0.816 | 100.000 | 0.184 | 14.905 | 43.283 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:29:30 | 9.375 | 9.375 | 162.501 | 56.250 | 331.254 | 348.442 | 5113.415 | 8995.019 | 427412.100 |
| 2 | 15:30:38 | 3.125 | 3.125 | 98.438 | 31.250 | 326.566 | 264.065 | 5069.649 | 9116.971 | 427640.660 |
| 3 | 15:31:46 | 3.125 | 3.125 | 51.563 | 29.688 | 254.690 | 201.564 | 5025.884 | 8844.925 | 432752.120 |
| x | | 5.208 | 5.208 | 104.167 | 39.063 | 304.170 | 271.357 | 5069.649 | 8985.638 | 429268.290 |
| σ | | 3.608 | 3.608 | 55.691 | 14.905 | 42.915 | 73.710 | 43.766 | 136.265 | 3019.244 |
| %RSD | | 69.282 | 69.282 | 53.463 | 38.158 | 14.109 | 27.163 | 0.863 | 1.516 | 0.703 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:29:30 | 468345.540 | 546.885 | 1295.371 | 2031.394 | 1686.037 | 4152.166 | 414306.240 | 58806.727 |
| 2 | 15:30:38 | 465316.100 | 281.253 | 782.834 | 1842.306 | 1534.457 | 3914.599 | 413457.170 | 59718.309 |
| 3 | 15:31:46 | 467339.960 | 167.188 | 431.257 | 1784.486 | 1456.324 | 3531.687 | 417078.950 | 58748.676 |
| x | | 467000.530 | 331.776 | 836.487 | 1886.062 | 1558.940 | 3866.150 | 414947.450 | 59091.238 |
| σ | | 1542.976 | 194.825 | 434.549 | 129.139 | 116.797 | 313.064 | 1894.118 | 543.835 |
| %RSD | | 0.330 | 58.722 | 51.949 | 6.847 | 7.492 | 8.098 | 0.456 | 0.920 |

**C1868-08 MF3TC4** 05/01/2011 03:36:19 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:37:27 | 17970.671 | 6.771 | 6446.767 | 428.131 | 54287030.000 | 21090752.000 | 2872497.200 | 3423610.200 | 1339.557 |
| 2 | 15:38:35 | 18152.150 | 7.292 | 6377.986 | 410.943 | 53848366.000 | 21005111.000 | 2828777.700 | 3374370.300 | 1334.322 |
| 3 | 15:39:43 | 18313.293 | 4.167 | 6470.215 | 467.195 | 54290599.000 | 21181802.000 | 2865049.600 | 3406863.200 | 1491.363 |
| x | | 18145.371 | 6.076 | 6431.656 | 435.423 | 54141999.000 | 21092555.000 | 2855441.500 | 3401614.600 | 1388.414 |
| σ | | 171.412 | 1.674 | 47.935 | 28.826 | 254299.290 | 88359.275 | 23389.829 | 25036.020 | 89.195 |
| %RSD | | 0.945 | 27.553 | 0.745 | 6.620 | 0.470 | 0.419 | 0.819 | 0.736 | 6.424 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:37:27 | 1452365.900 | 850.025 | 152975.630 | 674892.680 | 4268399.000 | 209169.920 | 3380112.900 | 63521.682 | 95.313 |
| 2 | 15:38:35 | 1443869.000 | 793.772 | 152966.150 | 684827.240 | 4247545.300 | 209259.050 | 3336304.500 | 64983.133 | 90.625 |
| 3 | 15:39:43 | 1440289.600 | 801.585 | 153188.830 | 688264.790 | 4240551.900 | 206197.010 | 3344741.300 | 64384.606 | 93.750 |
| x | | 1445508.100 | 815.127 | 153043.540 | 682661.570 | 4252165.400 | 208208.660 | 3353719.600 | 64296.474 | 93.229 |
| σ | | 6202.779 | 30.474 | 125.918 | 6944.131 | 14487.046 | 1742.711 | 23243.332 | 734.701 | 2.387 |
| %RSD | | 0.429 | 3.739 | 0.082 | 1.017 | 0.341 | 0.837 | 0.693 | 1.143 | 2.560 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:37:27 | 125524.060 | 850.025 | 24362.944 | 2744.014 | 523.447 | 42381.524 | 13883.305 | 503.134 | 525.010 |
| 2 | 15:38:35 | 129026.930 | 762.520 | 25433.558 | 2512.721 | 534.385 | 41898.853 | 14810.799 | 609.388 | 584.387 |
| 3 | 15:39:43 | 130182.660 | 832.837 | 25959.502 | 2658.060 | 498.446 | 41411.498 | 14094.449 | 526.572 | 578.137 |
| x | | 128244.550 | 815.127 | 25252.001 | 2638.265 | 518.759 | 41897.291 | 14262.851 | 546.365 | 562.511 |
| σ | | 2425.848 | 46.363 | 813.616 | 116.910 | 18.422 | 485.015 | 486.138 | 55.824 | 32.627 |
| %RSD | | 1.892 | 5.688 | 3.222 | 4.431 | 3.551 | 1.158 | 3.408 | 10.217 | 5.800 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:37:27 | 1145.358 | 557.823 | 8149.199 | 2583.046 | 393.755 | 393.755 | 350.004 | 169.793 | 26.042 |
| 2 | 15:38:35 | 1003.160 | 543.760 | 7942.833 | 2524.181 | 423.444 | 423.444 | 347.400 | 163.543 | 19.792 |
| 3 | 15:39:43 | 1043.788 | 507.822 | 7772.426 | 2547.102 | 384.380 | 384.380 | 358.859 | 145.313 | 20.833 |
| x | | 1064.102 | 536.468 | 7954.819 | 2551.443 | 400.526 | 400.526 | 352.088 | 159.550 | 22.222 |
| σ | | 73.243 | 25.786 | 188.672 | 29.671 | 20.393 | 20.393 | 6.007 | 12.719 | 3.348 |
| %RSD | | 6.883 | 4.807 | 2.372 | 1.163 | 5.092 | 5.092 | 1.706 | 7.972 | 15.068 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:37:27 | 1165.740 | 439.069 | 473.445 | 296.878 | 765.646 | 3.125 | 150164.790 | 78.125 | 53.125 |
| 2 | 15:38:35 | 1172.809 | 415.631 | 487.508 | 325.004 | 690.642 | 3.125 | 153608.930 | 92.188 | 42.188 |
| 3 | 15:39:43 | 1890.351 | 421.881 | 446.882 | 306.253 | 696.892 | 0.000 | 153169.880 | 78.125 | 34.375 |
| x | | 1409.633 | 425.527 | 469.279 | 309.378 | 717.726 | 2.083 | 152314.540 | 82.813 | 43.229 |
| σ | | 416.329 | 12.137 | 20.631 | 14.321 | 41.617 | 1.804 | 1874.630 | 8.119 | 9.418 |
| %RSD | | 29.535 | 2.852 | 4.396 | 4.629 | 5.798 | 86.603 | 1.231 | 9.804 | 21.787 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:37:27 | 3.125 | 3.125 | 45.313 | 20.313 | 92.188 | 164.063 | 6989.209 | 12553.951 | 433326.970 |
| 2 | 15:38:35 | 1.563 | 1.563 | 42.188 | 10.938 | 90.625 | 120.313 | 6962.634 | 12219.286 | 438975.230 |
| 3 | 15:39:43 | 1.563 | 1.563 | 40.625 | 9.375 | 101.563 | 137.501 | 6623.410 | 12152.041 | 435380.190 |
| x | | 2.083 | 2.083 | 42.708 | 13.542 | 94.792 | 140.626 | 6858.418 | 12308.426 | 435894.130 |
| σ | | 0.902 | 0.902 | 2.387 | 5.916 | 5.916 | 22.042 | 203.956 | 215.273 | 2858.989 |
| %RSD | | 43.301 | 43.301 | 5.589 | 43.684 | 6.241 | 15.674 | 2.974 | 1.749 | 0.656 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:37:27 | 469593.320 | 135.938 | 328.129 | 1067.227 | 971.908 | 2300.185 | 414209.750 | 160542.360 |
| 2 | 15:38:35 | 478043.330 | 73.438 | 225.002 | 990.659 | 923.467 | 2203.295 | 419699.350 | 156063.450 |
| 3 | 15:39:43 | 474180.230 | 65.625 | 201.564 | 1039.100 | 948.469 | 2184.542 | 417111.120 | 153379.930 |
| x | | 473938.960 | 91.667 | 251.565 | 1032.329 | 947.948 | 2229.341 | 417006.740 | 156661.910 |
| σ | | 4230.166 | 38.538 | 67.334 | 38.731 | 24.225 | 62.065 | 2746.286 | 3618.523 |
| %RSD | | 0.893 | 42.042 | 26.766 | 3.752 | 2.555 | 2.784 | 0.659 | 2.310 |

**C1868-09 MF3TD2** 05/01/2011 03:44:15 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:45:24 | 15186.192 | 5.208 | 11540.597 | 453.132 | 121005910.000 | 20790743.000 | 2816037.000 | 3378533.700 | 3210.957 |
| 2 | 15:46:32 | 15344.174 | 2.604 | 11209.083 | 451.570 | 116804730.000 | 20248455.000 | 2726854.300 | 3237520.700 | 2711.045 |
| 3 | 15:47:40 | 15419.254 | 1.563 | 11412.369 | 501.571 | 119976390.000 | 20455062.000 | 2742576.200 | 3280483.000 | 2807.886 |
| x | | 15316.540 | 3.125 | 11387.350 | 468.758 | 119262340.000 | 20498086.000 | 2761822.500 | 3298845.800 | 2909.963 |
| σ | | 118.963 | 1.878 | 167.167 | 28.428 | 2189718.000 | 273691.930 | 47604.623 | 72277.670 | 265.128 |
| %RSD | | 0.777 | 60.093 | 1.468 | 6.065 | 1.836 | 1.335 | 1.724 | 2.191 | 9.111 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:45:24 | 1910200.600 | 817.211 | 252532.810 | 669792.090 | 1352781.700 | 193541.280 | 3375040.500 | 61223.456 | 156.251 |
| 2 | 15:46:32 | 1830167.700 | 771.896 | 246659.650 | 662151.090 | 1326421.900 | 189553.970 | 3285044.800 | 62269.425 | 109.375 |
| 3 | 15:47:40 | 1907818.000 | 756.270 | 246861.530 | 665121.930 | 1333399.000 | 190279.140 | 3283322.200 | 62600.649 | 143.751 |
| x | | 1882728.800 | 781.792 | 248684.660 | 665688.370 | 1337534.200 | 191124.800 | 3314469.100 | 62031.177 | 136.459 |
| σ | | 45534.765 | 31.653 | 3334.121 | 3851.867 | 13657.760 | 2123.912 | 52463.369 | 718.844 | 24.274 |
| %RSD | | 2.419 | 4.049 | 1.341 | 0.579 | 1.021 | 1.111 | 1.583 | 1.159 | 17.788 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:45:24 | 109746.500 | 1750.107 | 23918.444 | 3533.249 | 967.220 | 57212.774 | 15115.805 | 1431.322 | 814.086 |
| 2 | 15:46:32 | 111243.950 | 1684.474 | 25264.508 | 3519.183 | 918.780 | 56114.681 | 14741.977 | 1375.066 | 834.399 |
| 3 | 15:47:40 | 112626.600 | 1773.548 | 25367.816 | 3455.105 | 990.659 | 56077.034 | 14813.927 | 1304.747 | 795.335 |
| x | | 111205.680 | 1736.043 | 24850.256 | 3502.513 | 958.886 | 56468.163 | 14890.570 | 1370.378 | 814.607 |
| σ | | 1440.431 | 46.172 | 808.624 | 41.654 | 36.657 | 645.127 | 198.349 | 63.417 | 19.538 |
| %RSD | | 1.295 | 2.660 | 3.254 | 1.189 | 3.823 | 1.142 | 1.332 | 4.628 | 2.398 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:45:24 | 10829.103 | 5215.014 | 1723.542 | 2472.610 | 481.258 | 481.258 | 562.511 | 298.961 | 21.354 |
| 2 | 15:46:32 | 10389.714 | 5046.204 | 1543.833 | 2477.298 | 453.132 | 453.132 | 552.094 | 300.003 | 26.042 |
| 3 | 15:47:40 | 10405.351 | 5155.618 | 1501.641 | 2431.457 | 495.321 | 495.321 | 553.136 | 248.440 | 21.875 |
| x | | 10541.389 | 5138.945 | 1589.672 | 2460.455 | 476.570 | 476.570 | 555.914 | 282.468 | 23.090 |
| σ | | 249.290 | 85.631 | 117.838 | 25.222 | 21.482 | 21.482 | 5.737 | 29.474 | 2.569 |
| %RSD | | 2.365 | 1.666 | 7.413 | 1.025 | 4.508 | 4.508 | 1.032 | 10.434 | 11.127 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:45:24 | 2576.080 | 550.011 | 525.010 | 337.504 | 829.712 | 1.563 | 138426.810 | 96.875 | 35.938 |
| 2 | 15:46:32 | 2250.889 | 510.947 | 521.885 | 350.004 | 795.335 | 3.125 | 141822.370 | 78.125 | 25.000 |
| 3 | 15:47:40 | 1741.894 | 417.194 | 587.512 | 307.816 | 682.829 | 0.000 | 141844.470 | 79.688 | 18.750 |
| x | | 2189.621 | 492.717 | 544.802 | 331.775 | 769.292 | 1.563 | 140697.880 | 84.896 | 26.563 |
| σ | | 420.455 | 68.259 | 37.021 | 21.670 | 76.827 | 1.563 | 1966.838 | 10.404 | 8.700 |
| %RSD | | 19.202 | 13.854 | 6.795 | 6.532 | 9.987 | 100.000 | 1.398 | 12.255 | 32.752 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:45:24 | 4.688 | 4.688 | 29.688 | 3.125 | 145.313 | 98.438 | 3162.850 | 5512.001 | 396283.740 |
| 2 | 15:46:32 | 4.688 | 4.688 | 32.813 | 9.375 | 87.500 | 118.750 | 2959.682 | 5282.226 | 409431.170 |
| 3 | 15:47:40 | 1.563 | 1.563 | 20.313 | 9.375 | 81.250 | 90.625 | 2948.742 | 5182.190 | 410286.440 |
| x | | 3.646 | 3.646 | 27.604 | 7.292 | 104.688 | 102.605 | 3023.758 | 5325.472 | 405333.780 |
| σ | | 1.804 | 1.804 | 6.505 | 3.608 | 35.321 | 14.518 | 120.582 | 169.105 | 7849.228 |
| %RSD | | 49.487 | 49.487 | 23.566 | 49.487 | 33.739 | 14.150 | 3.988 | 3.175 | 1.936 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:45:24 | 431109.820 | 67.188 | 142.188 | 670.328 | 618.763 | 1454.762 | 370099.970 | 83081.513 |
| 2 | 15:46:32 | 443088.400 | 57.813 | 165.626 | 685.954 | 540.635 | 1451.636 | 380317.830 | 80556.174 |
| 3 | 15:47:40 | 443752.280 | 43.750 | 151.563 | 645.327 | 590.637 | 1511.017 | 382679.660 | 81462.857 |
| x | | 439316.830 | 56.250 | 153.126 | 667.203 | 583.345 | 1472.472 | 377699.150 | 81700.181 |
| σ | | 7115.230 | 11.797 | 11.797 | 20.493 | 39.571 | 33.418 | 6686.199 | 1279.288 |
| %RSD | | 1.620 | 20.972 | 7.704 | 3.071 | 6.783 | 2.270 | 1.770 | 1.566 |

**C1868-10 MF3TD1** 05/01/2011 03:52:12 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:53:20 | 17111.805 | 2.083 | 16931.903 | 471.883 | 195158810.000 | 30434523.000 | 4135553.800 | 4913223.700 | 2064.561 |
| 2 | 15:54:28 | 17116.498 | 2.083 | 17485.695 | 439.069 | 199124870.000 | 31137856.000 | 4221786.300 | 5020412.400 | 2313.208 |
| 3 | 15:55:36 | 17964.413 | 4.688 | 18336.761 | 409.381 | 203510200.000 | 31662345.000 | 4301558.000 | 5101892.900 | 1865.643 |
| x | | 17397.572 | 2.951 | 17584.786 | 440.111 | 199264630.000 | 31078241.000 | 4219632.700 | 5011843.000 | 2081.137 |
| σ | | 490.904 | 1.504 | 707.651 | 31.264 | 4177447.200 | 616078.020 | 83023.070 | 94626.073 | 224.243 |
| %RSD | | 2.822 | 50.943 | 4.024 | 7.104 | 2.096 | 1.982 | 1.968 | 1.888 | 10.775 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:53:20 | 1519914.700 | 731.269 | 496192.000 | 755987.470 | 3549789.000 | 404269.390 | 6651183.700 | 63315.394 | 106.250 |
| 2 | 15:54:28 | 1550404.100 | 735.956 | 497568.340 | 775512.170 | 3617008.700 | 414197.310 | 6703365.400 | 62542.539 | 128.126 |
| 3 | 15:55:36 | 1589975.900 | 829.712 | 504594.390 | 788088.810 | 3645289.000 | 418484.170 | 6784976.200 | 66424.245 | 109.375 |
| x | | 1553431.600 | 765.646 | 499451.580 | 773196.150 | 3604028.900 | 412316.960 | 6713175.100 | 64094.060 | 114.584 |
| σ | | 35128.569 | 55.532 | 4506.656 | 16175.506 | 49055.240 | 7291.552 | 67433.564 | 2054.666 | 11.831 |
| %RSD | | 2.261 | 7.253 | 0.902 | 2.092 | 1.361 | 1.768 | 1.004 | 3.206 | 10.325 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:53:20 | 91210.564 | 5207.199 | 22860.464 | 2886.229 | 709.393 | 49620.402 | 31281.085 | 645.327 | 835.962 |
| 2 | 15:54:28 | 95434.900 | 5138.424 | 23702.459 | 2878.415 | 707.830 | 50921.845 | 32988.043 | 628.139 | 796.897 |
| 3 | 15:55:36 | 96789.279 | 5365.070 | 23974.788 | 2923.737 | 679.704 | 51280.938 | 33368.613 | 726.581 | 856.276 |
| x | | 94478.247 | 5236.898 | 23512.571 | 2896.127 | 698.975 | 50607.728 | 32545.914 | 666.682 | 829.712 |
| σ | | 2909.794 | 116.205 | 580.924 | 24.228 | 16.708 | 873.697 | 1111.779 | 52.581 | 30.179 |
| %RSD | | 3.080 | 2.219 | 2.471 | 0.837 | 2.390 | 1.726 | 3.416 | 7.887 | 3.637 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:53:20 | 4453.819 | 2234.550 | 1354.752 | 2004.307 | 571.886 | 571.886 | 818.773 | 410.943 | 21.354 |
| 2 | 15:54:28 | 4586.674 | 2209.546 | 1389.130 | 2005.870 | 575.012 | 575.012 | 790.647 | 439.069 | 19.792 |
| 3 | 15:55:36 | 4614.808 | 2264.242 | 1386.005 | 2030.353 | 643.765 | 643.765 | 835.962 | 424.485 | 21.875 |
| x | | 4551.767 | 2236.113 | 1376.629 | 2013.510 | 596.888 | 596.888 | 815.127 | 424.833 | 21.007 |
| σ | | 85.984 | 27.381 | 19.010 | 14.607 | 40.627 | 40.627 | 22.877 | 14.066 | 1.084 |
| %RSD | | 1.889 | 1.225 | 1.381 | 0.725 | 6.806 | 6.806 | 2.806 | 3.311 | 5.161 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:53:20 | 1420.237 | 367.192 | 303.128 | 250.002 | 504.696 | 0.000 | 142881.280 | 107.813 | 31.250 |
| 2 | 15:54:28 | 1289.454 | 359.380 | 353.129 | 223.439 | 571.886 | 3.125 | 141797.120 | 95.313 | 29.688 |
| 3 | 15:55:36 | 872.361 | 392.193 | 325.004 | 232.814 | 479.696 | 4.688 | 147291.360 | 92.188 | 25.000 |
| x | | 1194.017 | 372.922 | 327.087 | 235.419 | 518.759 | 2.604 | 143989.920 | 98.438 | 28.646 |
| σ | | 286.135 | 17.141 | 25.066 | 13.472 | 47.677 | 2.387 | 2910.062 | 8.268 | 3.253 |
| %RSD | | 23.964 | 4.596 | 7.663 | 5.722 | 9.191 | 91.652 | 2.021 | 8.399 | 11.355 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:53:20 | 4.688 | 4.688 | 29.688 | 1.563 | 114.063 | 75.000 | 3522.309 | 6187.277 | 410053.330 |
| 2 | 15:54:28 | 0.000 | 0.000 | 21.875 | 7.813 | 123.438 | 96.875 | 3501.992 | 6199.783 | 411649.830 |
| 3 | 15:55:36 | 6.250 | 6.250 | 20.313 | 3.125 | 134.376 | 67.188 | 3566.070 | 6363.917 | 425149.180 |
| x | | 3.646 | 3.646 | 23.958 | 4.167 | 123.959 | 79.688 | 3530.124 | 6250.326 | 415617.450 |
| σ | | 3.253 | 3.253 | 5.023 | 3.253 | 10.166 | 15.389 | 32.746 | 98.572 | 8293.231 |
| %RSD | | 89.214 | 89.214 | 20.964 | 78.062 | 8.201 | 19.312 | 0.928 | 1.577 | 1.995 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 15:53:20 | 448924.230 | 46.875 | 118.750 | 1093.792 | 953.157 | 2236.113 | 379518.870 | 111987.230 |
| 2 | 15:54:28 | 446740.150 | 60.938 | 110.938 | 1110.981 | 890.653 | 2362.695 | 381705.680 | 116250.770 |
| 3 | 15:55:36 | 461335.380 | 40.625 | 110.938 | 1062.540 | 989.097 | 2237.675 | 390965.160 | 114160.580 |
| x | | 452333.250 | 49.479 | 113.542 | 1089.104 | 944.302 | 2278.828 | 384063.240 | 114132.860 |
| σ | | 7872.186 | 10.404 | 4.511 | 24.558 | 49.816 | 72.636 | 6076.425 | 2131.907 |
| %RSD | | 1.740 | 21.026 | 3.973 | 2.255 | 5.275 | 3.187 | 1.582 | 1.868 |

**C1868-11 MF3TD8** 05/01/2011 04:00:08 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:01:16 | 16373.440 | 3.125 | 12072.286 | 485.946 | 104364510.000 | 12143853.000 | 1643666.400 | 1955356.900 | 896.903 |
| 2 | 16:02:24 | 16342.154 | 2.604 | 12436.661 | 440.632 | 105304680.000 | 12316921.000 | 1656732.700 | 1997136.100 | 867.214 |
| 3 | 16:03:32 | 16381.262 | 2.604 | 12195.829 | 496.884 | 103838590.000 | 12063116.000 | 1635684.100 | 1941993.100 | 900.028 |
| x | | 16365.619 | 2.778 | 12234.925 | 474.487 | 104502590.000 | 12174630.000 | 1645361.100 | 1964828.700 | 888.048 |
| σ | | 20.694 | 0.301 | 185.307 | 29.825 | 742735.830 | 129671.160 | 10626.122 | 28765.810 | 18.111 |
| %RSD | | 0.126 | 10.825 | 1.515 | 6.286 | 0.711 | 1.065 | 0.646 | 1.464 | 2.039 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:01:16 | 1278926.300 | 760.958 | 258071.100 | 631777.130 | 2488970.900 | 141031.790 | 2432495.100 | 59291.537 | 109.375 |
| 2 | 16:02:24 | 1303591.400 | 778.146 | 257363.180 | 640140.500 | 2504203.900 | 140552.100 | 2419809.500 | 59180.139 | 115.625 |
| 3 | 16:03:32 | 1270844.400 | 750.020 | 253060.780 | 635541.850 | 2438390.900 | 138414.190 | 2379611.000 | 60107.436 | 93.750 |
| x | | 1284454.000 | 763.041 | 256165.020 | 635819.830 | 2477188.600 | 139999.360 | 2410638.500 | 59526.371 | 106.250 |
| σ | | 17058.947 | 14.179 | 2711.554 | 4188.607 | 34452.238 | 1393.593 | 27609.066 | 506.290 | 11.267 |
| %RSD | | 1.328 | 1.858 | 1.059 | 0.659 | 1.391 | 0.995 | 1.145 | 0.851 | 10.605 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:01:16 | 104006.920 | 1864.184 | 23657.072 | 2917.485 | 412.506 | 42810.926 | 12649.348 | 321.879 | 393.755 |
| 2 | 16:02:24 | 109015.940 | 1834.493 | 24243.992 | 2945.616 | 409.381 | 42817.195 | 12977.767 | 289.065 | 426.569 |
| 3 | 16:03:32 | 110051.960 | 1882.937 | 24727.632 | 2792.460 | 453.132 | 42245.183 | 12602.431 | 300.003 | 350.004 |
| x | | 107691.610 | 1860.538 | 24209.565 | 2885.187 | 425.006 | 42624.435 | 12743.182 | 303.649 | 390.110 |
| σ | | 3232.801 | 24.427 | 536.110 | 81.526 | 24.408 | 328.456 | 204.506 | 16.708 | 38.412 |
| %RSD | | 3.002 | 1.313 | 2.214 | 2.826 | 5.743 | 0.771 | 1.605 | 5.502 | 9.847 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:01:16 | 4497.583 | 2125.158 | 1370.378 | 2101.196 | 356.254 | 356.254 | 511.467 | 226.564 | 17.188 |
| 2 | 16:02:24 | 4328.781 | 2182.979 | 1231.303 | 2084.527 | 401.568 | 401.568 | 530.218 | 242.190 | 20.313 |
| 3 | 16:03:32 | 4288.144 | 1965.760 | 1364.128 | 2068.900 | 451.570 | 451.570 | 507.822 | 236.460 | 16.146 |
| x | | 4371.502 | 2091.299 | 1321.936 | 2084.874 | 403.131 | 403.131 | 516.502 | 235.071 | 17.882 |
| σ | | 111.063 | 112.498 | 78.553 | 16.151 | 47.677 | 47.677 | 12.017 | 7.905 | 2.168 |
| %RSD | | 2.541 | 5.379 | 5.942 | 0.775 | 11.827 | 11.827 | 2.327 | 3.363 | 12.126 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:01:16 | 743.769 | 1334.437 | 1490.703 | 892.215 | 2176.728 | 0.000 | 155147.300 | 125.001 | 18.750 |
| 2 | 16:02:24 | 746.895 | 1428.196 | 1504.767 | 910.967 | 2351.756 | 1.563 | 156175.600 | 87.500 | 29.688 |
| 3 | 16:03:32 | 1823.192 | 1417.258 | 1461.012 | 840.650 | 2311.124 | 1.563 | 157766.370 | 140.626 | 20.313 |
| x | | 1104.619 | 1393.297 | 1485.494 | 881.277 | 2279.870 | 1.042 | 156363.090 | 117.709 | 22.917 |
| σ | | 622.305 | 51.267 | 22.338 | 36.412 | 91.604 | 0.902 | 1319.566 | 27.303 | 5.916 |
| %RSD | | 56.337 | 3.680 | 1.504 | 4.132 | 4.018 | 86.603 | 0.844 | 23.195 | 25.813 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:01:16 | 4.688 | 4.688 | 20.313 | 6.250 | 114.063 | 50.000 | 8707.340 | 15201.834 | 438711.050 |
| 2 | 16:02:24 | 1.563 | 1.563 | 26.563 | 3.125 | 118.750 | 51.563 | 8708.904 | 15885.390 | 442111.960 |
| 3 | 16:03:32 | 3.125 | 3.125 | 18.750 | 1.563 | 126.563 | 56.250 | 8561.940 | 15156.473 | 448426.130 |
| x | | 3.125 | 3.125 | 21.875 | 3.646 | 119.792 | 52.604 | 8659.395 | 15414.566 | 443083.050 |
| σ | | 1.563 | 1.563 | 4.134 | 2.387 | 6.315 | 3.253 | 84.402 | 408.376 | 4929.804 |
| %RSD | | 50.000 | 50.000 | 18.898 | 65.465 | 5.271 | 6.183 | 0.975 | 2.649 | 1.113 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:01:16 | 475078.080 | 32.813 | 92.188 | 810.961 | 731.269 | 1796.988 | 414936.650 | 88009.327 |
| 2 | 16:02:24 | 478154.780 | 21.875 | 51.563 | 790.647 | 795.335 | 1870.435 | 419556.170 | 88542.293 |
| 3 | 16:03:32 | 484505.660 | 39.063 | 71.875 | 901.591 | 715.643 | 1854.808 | 424581.090 | 87985.745 |
| x | | 479246.170 | 31.250 | 71.875 | 834.399 | 747.415 | 1840.744 | 419691.300 | 88179.122 |
| σ | | 4807.615 | 8.700 | 20.313 | 59.069 | 42.228 | 38.691 | 4823.643 | 314.736 |
| %RSD | | 1.003 | 27.839 | 28.261 | 7.079 | 5.650 | 2.102 | 1.149 | 0.357 |

**C1868-07X25 MF3TA6** 05/01/2011 04:08:05 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:09:13 | 17729.745 | 3.646 | 909.404 | 321.879 | 4474296.000 | 412578.610 | 53053.017 | 64477.994 | 650.015 |
| 2 | 16:10:21 | 17426.247 | 1.042 | 843.775 | 292.190 | 4498074.700 | 409127.210 | 52744.063 | 63876.865 | 642.202 |
| 3 | 16:11:29 | 16281.147 | 3.125 | 800.022 | 306.253 | 4336458.800 | 398118.670 | 51056.700 | 60678.593 | 596.887 |
| x | | 17145.713 | 2.604 | 851.067 | 306.774 | 4436276.500 | 406608.160 | 52284.593 | 63011.151 | 629.701 |
| σ | | 763.959 | 1.378 | 55.054 | 14.851 | 87258.465 | 7551.931 | 1074.549 | 2042.292 | 28.685 |
| %RSD | | 4.456 | 52.915 | 6.469 | 4.841 | 1.967 | 1.857 | 2.055 | 3.241 | 4.555 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:09:13 | 70391.749 | 1040.663 | 23758.803 | 112664.390 | 181596.920 | 5834.004 | 96581.630 | 64851.554 | 15.625 |
| 2 | 16:10:21 | 69898.712 | 926.593 | 24339.467 | 112377.780 | 182253.640 | 5630.797 | 95648.824 | 63661.846 | 20.313 |
| 3 | 16:11:29 | 67788.580 | 885.965 | 23693.069 | 110673.930 | 179185.510 | 5705.827 | 94036.611 | 62337.274 | 7.813 |
| x | | 69359.680 | 951.073 | 23930.446 | 111905.370 | 181012.020 | 5723.542 | 95422.355 | 63616.892 | 14.583 |
| σ | | 1382.765 | 80.202 | 355.744 | 1076.044 | 1615.532 | 102.755 | 1287.536 | 1257.743 | 6.315 |
| %RSD | | 1.994 | 8.433 | 1.487 | 0.962 | 0.892 | 1.795 | 1.349 | 1.977 | 43.301 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:09:13 | 22841.684 | 1332.875 | 7040.797 | 2998.752 | 201.564 | 40204.933 | 1670.410 | 35.938 | 48.438 |
| 2 | 16:10:21 | 21462.986 | 1256.305 | 7006.405 | 3183.167 | 203.126 | 40117.187 | 1614.154 | 39.063 | 32.813 |
| 3 | 16:11:29 | 21356.577 | 1214.114 | 6921.989 | 3070.642 | 193.751 | 40060.779 | 1578.212 | 21.875 | 39.063 |
| x | | 21887.082 | 1267.765 | 6989.731 | 3084.187 | 199.481 | 40127.633 | 1620.925 | 32.292 | 40.104 |
| σ | | 828.420 | 60.204 | 61.134 | 92.951 | 5.023 | 72.643 | 46.471 | 9.155 | 7.864 |
| %RSD | | 3.785 | 4.749 | 0.875 | 3.014 | 2.518 | 0.181 | 2.867 | 28.352 | 19.610 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:09:13 | 304.691 | 175.001 | 176.564 | 278.649 | 76.563 | 76.563 | 155.209 | 19.792 | 19.792 |
| 2 | 16:10:21 | 304.691 | 128.126 | 229.689 | 248.961 | 76.563 | 76.563 | 158.334 | 27.083 | 27.083 |
| 3 | 16:11:29 | 342.192 | 131.251 | 209.377 | 260.940 | 67.188 | 67.188 | 147.917 | 25.521 | 21.354 |
| x | | 317.191 | 144.792 | 205.210 | 262.850 | 73.438 | 73.438 | 153.820 | 24.132 | 22.743 |
| σ | | 21.651 | 26.208 | 26.807 | 14.936 | 5.413 | 5.413 | 5.345 | 3.839 | 3.839 |
| %RSD | | 6.826 | 18.100 | 13.063 | 5.682 | 7.370 | 7.370 | 3.475 | 15.909 | 16.880 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:09:13 | 25.000 | 23.438 | 28.125 | 34.375 | 50.000 | 4.688 | 179060.520 | 112.500 | 1.563 |
| 2 | 16:10:21 | 31.250 | 21.875 | 28.125 | 18.750 | 39.063 | 1.563 | 175233.810 | 123.438 | 6.250 |
| 3 | 16:11:29 | 26.563 | 14.063 | 32.813 | 20.313 | 23.438 | 1.563 | 172051.740 | 117.188 | 1.563 |
| x | | 27.604 | 19.792 | 29.688 | 24.479 | 37.500 | 2.604 | 175448.690 | 117.709 | 3.125 |
| σ | | 3.253 | 5.023 | 2.706 | 8.606 | 13.350 | 1.804 | 3509.327 | 5.487 | 2.706 |
| %RSD | | 11.783 | 25.378 | 9.116 | 35.155 | 35.600 | 69.282 | 2.000 | 4.662 | 86.603 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:09:13 | 1.563 | 1.563 | 7.813 | 0.000 | 59.375 | 23.438 | 229.689 | 412.506 | 466733.090 |
| 2 | 16:10:21 | 0.000 | 0.000 | 0.000 | 3.125 | 48.438 | 25.000 | 229.689 | 403.131 | 458183.210 |
| 3 | 16:11:29 | 1.563 | 1.563 | 1.563 | 1.563 | 50.000 | 15.625 | 239.065 | 395.318 | 454612.430 |
| x | | 1.042 | 1.042 | 3.125 | 1.563 | 52.604 | 21.354 | 232.814 | 403.652 | 459842.910 |
| σ | | 0.902 | 0.902 | 4.134 | 1.563 | 5.916 | 5.023 | 5.413 | 8.606 | 6228.450 |
| %RSD | | 86.603 | 86.603 | 132.288 | 100.000 | 11.245 | 23.521 | 2.325 | 2.132 | 1.354 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:09:13 | 501301.770 | 17.188 | 39.063 | 107.813 | 100.000 | 250.002 | 449654.470 | 2315.813 |
| 2 | 16:10:21 | 493281.260 | 21.875 | 51.563 | 85.938 | 92.188 | 220.314 | 452114.700 | 2353.319 |
| 3 | 16:11:29 | 489924.920 | 28.125 | 57.813 | 89.063 | 85.938 | 201.564 | 442190.910 | 2250.177 |
| x | | 494835.990 | 22.396 | 49.479 | 94.271 | 92.709 | 223.960 | 447986.690 | 2306.436 |
| σ | | 5845.600 | 5.487 | 9.547 | 11.831 | 7.046 | 24.424 | 5167.836 | 52.206 |
| %RSD | | 1.181 | 24.502 | 19.295 | 12.550 | 7.600 | 10.906 | 1.154 | 2.264 |

**C1868-08X25 MF3TC4** 05/01/2011 04:16:02 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:17:10 | 16759.825 | 0.521 | 457.820 | 281.253 | 2633995.900 | 932477.400 | 128539.760 | 154578.680 | 478.133 |
| 2 | 16:18:19 | 16963.190 | 2.083 | 487.508 | 287.503 | 2658394.000 | 933155.540 | 126368.960 | 153978.510 | 446.882 |
| 3 | 16:19:27 | 16457.912 | 2.083 | 496.884 | 318.754 | 2695776.300 | 946644.850 | 129586.650 | 156774.290 | 507.822 |
| x | | 16726.976 | 1.563 | 480.737 | 295.836 | 2662722.100 | 937425.930 | 128165.120 | 155110.490 | 477.612 |
| σ | | 254.236 | 0.902 | 20.393 | 20.091 | 31116.766 | 7991.012 | 1641.236 | 1471.809 | 30.473 |
| %RSD | | 1.520 | 57.735 | 4.242 | 6.791 | 1.169 | 0.852 | 1.281 | 0.949 | 6.380 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:17:10 | 64115.430 | 935.968 | 23117.126 | 108148.440 | 275907.640 | 8640.112 | 145329.230 | 62004.581 | 18.750 |
| 2 | 16:18:19 | 65198.441 | 912.529 | 22841.684 | 108425.530 | 278483.470 | 8790.203 | 144063.380 | 62695.085 | 17.188 |
| 3 | 16:19:27 | 66275.254 | 934.406 | 22447.310 | 108809.690 | 280465.430 | 8993.455 | 145649.660 | 62775.123 | 15.625 |
| x | | 65196.375 | 927.634 | 22802.040 | 108461.220 | 278285.510 | 8807.924 | 145014.090 | 62491.596 | 17.188 |
| σ | | 1079.913 | 13.105 | 336.664 | 332.063 | 2285.333 | 177.337 | 838.781 | 423.662 | 1.563 |
| %RSD | | 1.656 | 1.413 | 1.476 | 0.306 | 0.821 | 2.013 | 0.578 | 0.678 | 9.091 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:17:10 | 18978.223 | 406.256 | 5621.418 | 3087.834 | 206.251 | 40212.768 | 1815.740 | 46.875 | 51.563 |
| 2 | 16:18:19 | 18432.196 | 403.131 | 5544.826 | 3126.905 | 210.939 | 41077.723 | 1851.683 | 32.813 | 31.250 |
| 3 | 16:19:27 | 18341.454 | 400.006 | 5371.322 | 2912.797 | 184.376 | 40765.895 | 1850.120 | 31.250 | 56.250 |
| x | | 18583.958 | 403.131 | 5512.522 | 3042.512 | 200.522 | 40685.462 | 1839.181 | 36.979 | 46.354 |
| σ | | 344.445 | 3.125 | 128.139 | 114.022 | 14.178 | 438.052 | 20.315 | 8.606 | 13.289 |
| %RSD | | 1.853 | 0.775 | 2.325 | 3.748 | 7.071 | 1.077 | 1.105 | 23.271 | 28.668 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:17:10 | 125.001 | 35.938 | 406.256 | 246.877 | 75.000 | 75.000 | 159.376 | 31.250 | 21.875 |
| 2 | 16:18:19 | 98.438 | 37.500 | 395.318 | 240.627 | 75.000 | 75.000 | 168.751 | 28.125 | 21.875 |
| 3 | 16:19:27 | 118.750 | 51.563 | 425.006 | 238.544 | 46.875 | 46.875 | 153.126 | 27.083 | 18.750 |
| x | | 114.063 | 41.667 | 408.860 | 242.016 | 65.625 | 65.625 | 160.418 | 28.819 | 20.833 |
| σ | | 13.888 | 8.606 | 15.015 | 4.337 | 16.238 | 16.238 | 7.864 | 2.168 | 1.804 |
| %RSD | | 12.176 | 20.653 | 3.672 | 1.792 | 24.744 | 24.744 | 4.903 | 7.524 | 8.660 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:17:10 | 23.438 | 28.125 | 26.563 | 14.063 | 32.813 | 1.563 | 172451.830 | 110.938 | 4.688 |
| 2 | 16:18:19 | 18.750 | 17.188 | 18.750 | 15.625 | 31.250 | 3.125 | 172954.730 | 129.688 | 6.250 |
| 3 | 16:19:27 | 26.563 | 37.500 | 31.250 | 28.125 | 31.250 | 0.000 | 173492.440 | 151.563 | 7.813 |
| x | | 22.917 | 27.604 | 25.521 | 19.271 | 31.771 | 1.563 | 172966.330 | 130.730 | 6.250 |
| σ | | 3.932 | 10.166 | 6.315 | 7.708 | 0.902 | 1.563 | 520.403 | 20.333 | 1.563 |
| %RSD | | 17.159 | 36.829 | 24.744 | 39.996 | 2.839 | 100.000 | 0.301 | 15.553 | 25.000 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:17:10 | 0.000 | 0.000 | 9.375 | 0.000 | 46.875 | 23.438 | 273.440 | 521.885 | 457176.720 |
| 2 | 16:18:19 | 0.000 | 0.000 | 4.688 | 0.000 | 56.250 | 20.313 | 264.065 | 501.571 | 460254.470 |
| 3 | 16:19:27 | 3.125 | 3.125 | 4.688 | 0.000 | 51.563 | 20.313 | 293.753 | 568.761 | 459672.100 |
| x | | 1.042 | 1.042 | 6.250 | 0.000 | 51.563 | 21.354 | 277.086 | 530.739 | 459034.430 |
| σ | | 1.804 | 1.804 | 2.706 | 0.000 | 4.688 | 1.804 | 15.176 | 34.459 | 1634.961 |
| %RSD | | 173.205 | 173.205 | 43.301 | 0.000 | 9.091 | 8.449 | 5.477 | 6.493 | 0.356 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:17:10 | 496976.390 | 15.625 | 45.313 | 76.563 | 85.938 | 156.251 | 443831.240 | 6315.458 |
| 2 | 16:18:19 | 498362.510 | 32.813 | 65.625 | 82.813 | 81.250 | 154.688 | 455033.330 | 6227.920 |
| 3 | 16:19:27 | 496240.520 | 23.438 | 59.375 | 70.313 | 70.313 | 154.688 | 451893.810 | 6484.284 |
| x | | 497193.140 | 23.958 | 56.771 | 76.563 | 79.167 | 155.209 | 450252.790 | 6342.554 |
| σ | | 1077.469 | 8.606 | 10.404 | 6.250 | 8.018 | 0.902 | 5778.529 | 130.312 |
| %RSD | | 0.217 | 35.919 | 18.326 | 8.163 | 10.128 | 0.581 | 1.283 | 2.055 |

**C1868-09X25 MF3TD2** 05/01/2011 04:24:00 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:25:08 | 16310.869 | 2.083 | 681.266 | 232.814 | 5750316.700 | 978566.510 | 127718.380 | 154046.420 | 795.335 |
| 2 | 16:26:16 | 16076.228 | 0.521 | 676.579 | 240.627 | 5809288.200 | 996418.820 | 130056.520 | 156587.890 | 745.332 |
| 3 | 16:27:24 | 16049.636 | 1.563 | 740.644 | 271.878 | 5772561.000 | 985710.510 | 129881.500 | 156246.680 | 682.829 |
| x | | 16145.577 | 1.389 | 699.496 | 248.440 | 5777388.600 | 986898.610 | 129218.800 | 155627.000 | 741.165 |
| σ | | 143.763 | 0.796 | 35.712 | 20.670 | 29780.678 | 8985.264 | 1302.346 | 1379.412 | 56.369 |
| %RSD | | 0.890 | 57.282 | 5.105 | 8.320 | 0.515 | 0.910 | 1.008 | 0.886 | 7.605 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:25:08 | 87897.706 | 875.027 | 27125.729 | 104071.450 | 154145.920 | 8821.473 | 147570.780 | 62853.592 | 9.375 |
| 2 | 16:26:16 | 89693.189 | 893.778 | 26699.928 | 104622.330 | 154344.930 | 8918.408 | 148844.840 | 60140.387 | 10.938 |
| 3 | 16:27:24 | 89337.848 | 879.715 | 26800.115 | 104024.240 | 153728.960 | 8970.003 | 147172.960 | 60978.303 | 20.313 |
| x | | 88976.248 | 882.840 | 26875.257 | 104239.340 | 154073.270 | 8903.295 | 147862.860 | 61324.094 | 13.542 |
| σ | | 950.792 | 9.758 | 222.624 | 332.518 | 314.343 | 75.410 | 873.369 | 1389.262 | 5.916 |
| %RSD | | 1.069 | 1.105 | 0.828 | 0.319 | 0.204 | 0.847 | 0.591 | 2.265 | 43.684 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:25:08 | 16337.462 | 389.068 | 4761.731 | 3059.703 | 214.064 | 40059.212 | 1784.486 | 84.375 | 67.188 |
| 2 | 16:26:16 | 16124.720 | 429.694 | 4761.731 | 2831.531 | 242.190 | 40034.142 | 1762.609 | 71.875 | 57.813 |
| 3 | 16:27:24 | 16018.351 | 403.131 | 4922.723 | 3061.266 | 239.065 | 40048.244 | 1882.937 | 79.688 | 42.188 |
| x | | 16160.177 | 407.297 | 4815.395 | 2984.166 | 231.773 | 40047.200 | 1810.011 | 78.646 | 55.729 |
| σ | | 162.483 | 20.631 | 92.949 | 132.189 | 15.416 | 12.568 | 64.096 | 6.315 | 12.630 |
| %RSD | | 1.005 | 5.065 | 1.930 | 4.430 | 6.651 | 0.031 | 3.541 | 8.029 | 22.662 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:25:08 | 589.075 | 270.315 | 128.126 | 227.606 | 56.250 | 56.250 | 176.043 | 26.042 | 25.000 |
| 2 | 16:26:16 | 568.761 | 260.940 | 129.688 | 233.335 | 56.250 | 56.250 | 176.043 | 31.771 | 19.271 |
| 3 | 16:27:24 | 565.636 | 273.440 | 135.938 | 210.939 | 67.188 | 67.188 | 165.626 | 29.688 | 21.875 |
| x | | 574.491 | 268.232 | 131.251 | 223.960 | 59.896 | 59.896 | 172.570 | 29.167 | 22.049 |
| σ | | 12.726 | 6.505 | 4.134 | 11.635 | 6.315 | 6.315 | 6.014 | 2.900 | 2.869 |
| %RSD | | 2.215 | 2.425 | 3.150 | 5.195 | 10.543 | 10.543 | 3.485 | 9.942 | 13.010 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:25:08 | 29.688 | 25.000 | 28.125 | 31.250 | 42.188 | 1.563 | 171907.830 | 123.438 | 9.375 |
| 2 | 16:26:16 | 17.188 | 25.000 | 17.188 | 18.750 | 23.438 | 1.563 | 169332.030 | 135.938 | 6.250 |
| 3 | 16:27:24 | 21.875 | 18.750 | 25.000 | 25.000 | 59.375 | 3.125 | 168637.950 | 101.563 | 9.375 |
| x | | 22.917 | 22.917 | 23.438 | 25.000 | 41.667 | 2.083 | 169959.270 | 120.313 | 8.333 |
| σ | | 6.315 | 3.608 | 5.634 | 6.250 | 17.974 | 0.902 | 1722.818 | 17.399 | 1.804 |
| %RSD | | 27.555 | 15.746 | 24.037 | 25.000 | 43.139 | 43.301 | 1.014 | 14.462 | 21.651 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:25:08 | 1.563 | 1.563 | 6.250 | 1.563 | 42.188 | 29.688 | 100.000 | 271.878 | 458613.890 |
| 2 | 16:26:16 | 3.125 | 3.125 | 6.250 | 0.000 | 60.938 | 17.188 | 143.751 | 278.128 | 454048.020 |
| 3 | 16:27:24 | 0.000 | 0.000 | 1.563 | 4.688 | 43.750 | 23.438 | 162.501 | 237.502 | 454493.100 |
| x | | 1.563 | 1.563 | 4.688 | 2.083 | 48.958 | 23.438 | 135.417 | 262.502 | 455718.340 |
| σ | | 1.563 | 1.563 | 2.706 | 2.387 | 10.404 | 6.250 | 32.073 | 21.875 | 2517.477 |
| %RSD | | 100.000 | 100.000 | 57.735 | 114.564 | 21.250 | 26.667 | 23.684 | 8.333 | 0.552 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:25:08 | 496282.570 | 31.250 | 53.125 | 73.438 | 54.688 | 132.813 | 453664.240 | 3584.825 |
| 2 | 16:26:16 | 491472.040 | 31.250 | 93.750 | 54.688 | 45.313 | 153.126 | 443109.340 | 3705.168 |
| 3 | 16:27:24 | 491428.390 | 25.000 | 73.438 | 59.375 | 45.313 | 126.563 | 446914.220 | 3614.520 |
| x | | 493061.000 | 29.167 | 73.438 | 62.500 | 48.438 | 137.501 | 447895.930 | 3634.838 |
| σ | | 2790.047 | 3.608 | 20.313 | 9.758 | 5.413 | 13.888 | 5345.493 | 62.692 |
| %RSD | | 0.566 | 12.372 | 27.660 | 15.613 | 11.175 | 10.100 | 1.193 | 1.725 |

**C1868-10X25 MF3TD1** 05/01/2011 04:31:58 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:33:06 | 16471.991 | 1.563 | 932.843 | 276.565 | 9280189.900 | 1418679.800 | 186297.490 | 227359.000 | 637.514 |
| 2 | 16:34:15 | 16532.999 | 2.083 | 931.280 | 267.190 | 9459253.100 | 1470907.500 | 190627.490 | 231842.710 | 654.703 |
| 3 | 16:35:23 | 16545.513 | 2.604 | 978.158 | 278.128 | 9505345.000 | 1460491.700 | 193140.600 | 233756.330 | 650.015 |
| x | | 16516.834 | 2.083 | 947.427 | 273.961 | 9414929.300 | 1450026.400 | 190021.860 | 230986.010 | 647.411 |
| σ | | 39.336 | 0.521 | 26.625 | 5.916 | 118941.800 | 27641.935 | 3461.520 | 3283.577 | 8.885 |
| %RSD | | 0.238 | 25.000 | 2.810 | 2.159 | 1.263 | 1.906 | 1.822 | 1.422 | 1.372 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:33:06 | 72364.067 | 925.030 | 37815.610 | 106844.940 | 251325.860 | 17365.235 | 289606.050 | 60495.004 | 12.500 |
| 2 | 16:34:15 | 71817.569 | 882.840 | 38274.642 | 109445.770 | 253701.680 | 17776.678 | 294423.350 | 60093.314 | 12.500 |
| 3 | 16:35:23 | 72797.510 | 901.591 | 38587.983 | 110277.130 | 254986.760 | 17944.075 | 295646.660 | 61853.930 | 23.438 |
| x | | 72326.382 | 903.154 | 38226.078 | 108855.940 | 253338.100 | 17695.330 | 293225.350 | 60814.083 | 16.146 |
| σ | | 491.056 | 21.138 | 388.470 | 1790.500 | 1857.333 | 297.871 | 3193.530 | 922.659 | 6.315 |
| %RSD | | 0.679 | 2.341 | 1.016 | 1.645 | 0.733 | 1.683 | 1.089 | 1.517 | 39.111 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:33:06 | 14366.595 | 542.198 | 4361.603 | 3011.255 | 196.876 | 40168.895 | 2765.893 | 34.375 | 65.625 |
| 2 | 16:34:15 | 14131.987 | 521.885 | 4502.272 | 3098.774 | 196.876 | 40543.388 | 2670.562 | 43.750 | 67.188 |
| 3 | 16:35:23 | 13684.676 | 565.636 | 4444.441 | 3039.386 | 189.064 | 41170.177 | 2700.255 | 46.875 | 71.875 |
| x | | 14061.086 | 543.240 | 4436.105 | 3049.805 | 194.272 | 40627.486 | 2712.237 | 41.667 | 68.229 |
| σ | | 346.444 | 21.894 | 70.704 | 44.680 | 4.511 | 505.911 | 48.782 | 6.505 | 3.253 |
| %RSD | | 2.464 | 4.030 | 1.594 | 1.465 | 2.322 | 1.245 | 1.799 | 15.613 | 4.767 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:33:06 | 301.566 | 129.688 | 145.313 | 189.585 | 51.563 | 51.563 | 186.460 | 31.771 | 27.604 |
| 2 | 16:34:15 | 292.190 | 137.501 | 132.813 | 169.793 | 50.000 | 50.000 | 183.335 | 31.771 | 18.750 |
| 3 | 16:35:23 | 276.565 | 148.438 | 128.126 | 165.626 | 56.250 | 56.250 | 161.459 | 40.104 | 23.958 |
| x | | 290.107 | 138.542 | 135.417 | 175.001 | 52.604 | 52.604 | 177.084 | 34.549 | 23.438 |
| σ | | 12.630 | 9.418 | 8.885 | 12.800 | 3.253 | 3.253 | 13.622 | 4.811 | 4.450 |
| %RSD | | 4.353 | 6.798 | 6.561 | 7.314 | 6.183 | 6.183 | 7.692 | 13.926 | 18.987 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:33:06 | 17.188 | 17.188 | 17.188 | 32.813 | 29.688 | 3.125 | 166631.810 | 135.938 | 6.250 |
| 2 | 16:34:15 | 15.625 | 18.750 | 18.750 | 23.438 | 26.563 | 6.250 | 167694.130 | 89.063 | 9.375 |
| 3 | 16:35:23 | 10.938 | 23.438 | 26.563 | 15.625 | 21.875 | 0.000 | 169654.570 | 101.563 | 1.563 |
| x | | 14.583 | 19.792 | 20.833 | 23.958 | 26.042 | 3.125 | 167993.500 | 108.855 | 5.729 |
| σ | | 3.253 | 3.253 | 5.023 | 8.606 | 3.932 | 3.125 | 1533.459 | 24.273 | 3.932 |
| %RSD | | 22.304 | 16.434 | 24.109 | 35.919 | 15.100 | 100.000 | 0.913 | 22.299 | 68.635 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:33:06 | 0.000 | 0.000 | 3.125 | 1.563 | 37.500 | 10.938 | 167.188 | 267.190 | 445640.980 |
| 2 | 16:34:15 | 0.000 | 0.000 | 3.125 | 1.563 | 45.313 | 15.625 | 171.876 | 268.753 | 442331.090 |
| 3 | 16:35:23 | 0.000 | 0.000 | 1.563 | 1.563 | 71.875 | 12.500 | 139.063 | 309.378 | 449490.040 |
| x | | 0.000 | 0.000 | 2.604 | 1.563 | 51.563 | 13.021 | 159.376 | 281.774 | 445820.700 |
| σ | | 0.000 | 0.000 | 0.902 | 0.000 | 18.020 | 2.387 | 17.747 | 23.919 | 3582.862 |
| %RSD | | 0.000 | 0.000 | 34.641 | 0.000 | 34.947 | 18.330 | 11.135 | 8.489 | 0.804 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:33:06 | 475791.880 | 26.563 | 75.000 | 65.625 | 70.313 | 145.313 | 430718.590 | 4716.403 |
| 2 | 16:34:15 | 479526.180 | 32.813 | 60.938 | 78.125 | 71.875 | 154.688 | 433259.340 | 4903.967 |
| 3 | 16:35:23 | 481165.890 | 35.938 | 67.188 | 82.813 | 81.250 | 160.938 | 441282.200 | 4846.134 |
| x | | 478827.980 | 31.771 | 67.708 | 75.521 | 74.479 | 153.647 | 435086.710 | 4822.168 |
| σ | | 2754.197 | 4.774 | 7.046 | 8.885 | 5.916 | 7.864 | 5513.792 | 96.051 |
| %RSD | | 0.575 | 15.025 | 10.406 | 11.765 | 7.943 | 5.119 | 1.267 | 1.992 |

**C1868-11X25 MF3TD8** 05/01/2011 04:39:56 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:41:04 | 16573.671 | 3.125 | 629.701 | 307.816 | 4846808.400 | 561604.500 | 73147.730 | 88109.945 | 573.449 |
| 2 | 16:42:13 | 16650.323 | 1.042 | 639.077 | 245.315 | 4781798.600 | 554244.940 | 72229.011 | 87734.205 | 593.762 |
| 3 | 16:43:21 | 16769.211 | 1.042 | 660.953 | 275.003 | 4829407.100 | 559774.880 | 73372.315 | 88633.481 | 603.138 |
| x | | 16664.402 | 1.736 | 643.244 | 276.044 | 4819338.000 | 558541.440 | 72916.352 | 88159.210 | 590.116 |
| σ | | 98.528 | 1.203 | 16.037 | 31.264 | 33654.261 | 3831.683 | 605.754 | 451.657 | 15.176 |
| %RSD | | 0.591 | 69.282 | 2.493 | 11.326 | 0.698 | 0.686 | 0.831 | 0.512 | 2.572 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:41:04 | 56662.149 | 884.402 | 26695.231 | 100458.230 | 197992.280 | 6041.902 | 102658.160 | 60678.593 | 10.938 |
| 2 | 16:42:13 | 56197.820 | 817.211 | 26302.316 | 101257.590 | 196675.840 | 6240.425 | 103268.790 | 62541.288 | 21.875 |
| 3 | 16:43:21 | 57728.907 | 923.467 | 27070.937 | 100930.290 | 196531.690 | 6359.228 | 103835.370 | 62734.319 | 29.688 |
| x | | 56862.958 | 875.027 | 26689.495 | 100882.040 | 197066.600 | 6213.852 | 103254.110 | 61984.733 | 20.833 |
| σ | | 785.048 | 53.745 | 384.343 | 401.860 | 804.891 | 160.323 | 588.743 | 1135.261 | 9.418 |
| %RSD | | 1.381 | 6.142 | 1.440 | 0.398 | 0.408 | 2.580 | 0.570 | 1.832 | 45.208 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:41:04 | 13615.861 | 512.509 | 4047.448 | 3044.074 | 212.502 | 41974.073 | 1634.469 | 17.188 | 23.438 |
| 2 | 16:42:13 | 13143.544 | 489.071 | 3945.857 | 3200.358 | 190.626 | 40958.632 | 1704.789 | 34.375 | 29.688 |
| 3 | 16:43:21 | 13090.370 | 481.258 | 4031.819 | 3094.085 | 184.376 | 41328.445 | 1801.676 | 26.563 | 35.938 |
| x | | 13283.258 | 494.279 | 4008.375 | 3112.839 | 195.835 | 41420.384 | 1713.645 | 26.042 | 29.688 |
| σ | | 289.267 | 16.264 | 54.703 | 79.812 | 14.768 | 513.926 | 83.955 | 8.606 | 6.250 |
| %RSD | | 2.178 | 3.290 | 1.365 | 2.564 | 7.541 | 1.241 | 4.899 | 33.045 | 21.053 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:41:04 | 234.377 | 106.250 | 118.750 | 182.814 | 43.750 | 43.750 | 166.668 | 21.875 | 18.750 |
| 2 | 16:42:13 | 239.065 | 106.250 | 90.625 | 178.647 | 42.188 | 42.188 | 162.501 | 26.563 | 18.750 |
| 3 | 16:43:21 | 275.003 | 121.876 | 112.500 | 183.855 | 32.813 | 32.813 | 161.980 | 20.833 | 19.792 |
| x | | 249.481 | 111.459 | 107.292 | 181.772 | 39.583 | 39.583 | 163.716 | 23.090 | 19.097 |
| σ | | 22.226 | 9.021 | 14.768 | 2.756 | 5.916 | 5.916 | 2.569 | 3.052 | 0.601 |
| %RSD | | 8.909 | 8.094 | 13.765 | 1.516 | 14.945 | 14.945 | 1.569 | 13.217 | 3.149 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:41:04 | 40.625 | 76.563 | 59.375 | 35.938 | 103.125 | 3.125 | 170628.570 | 120.313 | 3.125 |
| 2 | 16:42:13 | 39.063 | 59.375 | 64.063 | 46.875 | 104.688 | 1.563 | 172037.500 | 96.875 | 3.125 |
| 3 | 16:43:21 | 56.250 | 62.500 | 70.313 | 45.313 | 100.000 | 6.250 | 174117.160 | 107.813 | 3.125 |
| x | | 45.313 | 66.146 | 64.583 | 42.708 | 102.605 | 3.646 | 172261.080 | 108.334 | 3.125 |
| σ | | 9.504 | 9.155 | 5.487 | 5.916 | 2.387 | 2.387 | 1755.009 | 11.728 | 0.000 |
| %RSD | | 20.975 | 13.841 | 8.497 | 13.851 | 2.326 | 65.465 | 1.019 | 10.825 | 0.000 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:41:04 | 3.125 | 3.125 | 1.563 | 1.563 | 39.063 | 12.500 | 407.818 | 701.580 | 446229.230 |
| 2 | 16:42:13 | 0.000 | 0.000 | 1.563 | 0.000 | 62.500 | 12.500 | 365.630 | 651.577 | 456054.180 |
| 3 | 16:43:21 | 0.000 | 0.000 | 0.000 | 1.563 | 48.438 | 9.375 | 368.755 | 707.830 | 457200.910 |
| x | | 1.042 | 1.042 | 1.042 | 1.042 | 50.000 | 11.458 | 380.734 | 686.996 | 453161.440 |
| σ | | 1.804 | 1.804 | 0.902 | 0.902 | 11.797 | 1.804 | 23.507 | 30.832 | 6030.787 |
| %RSD | | 173.205 | 173.205 | 86.603 | 86.603 | 23.593 | 15.746 | 6.174 | 4.488 | 1.331 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:41:04 | 483776.890 | 29.688 | 76.563 | 50.000 | 43.750 | 96.875 | 444209.930 | 3747.366 |
| 2 | 16:42:13 | 496192.000 | 31.250 | 70.313 | 51.563 | 50.000 | 126.563 | 454262.500 | 3705.168 |
| 3 | 16:43:21 | 497594.220 | 14.063 | 76.563 | 65.625 | 40.625 | 114.063 | 453838.390 | 3628.586 |
| x | | 492521.040 | 25.000 | 74.479 | 55.729 | 44.792 | 112.500 | 450770.270 | 3693.707 |
| σ | | 7605.042 | 9.504 | 3.608 | 8.606 | 4.774 | 14.905 | 5685.380 | 60.214 |
| %RSD | | 1.544 | 38.017 | 4.845 | 15.442 | 10.657 | 13.249 | 1.261 | 1.630 |

**CCV** 05/01/2011 04:47:53 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:49:01 | 14917.159 | 26111.341 | 5008.690 | 296.878 | 20542611.000 | 13894094.000 | 1878388.500 | 2239260.500 | 3201403.500 |
| 2 | 16:50:09 | 14619.977 | 25974.112 | 5061.834 | 317.191 | 20273097.000 | 13725237.000 | 1857050.600 | 2233895.800 | 3173965.900 |
| 3 | 16:51:17 | 14807.670 | 26171.869 | 5082.154 | 295.316 | 20176405.000 | 13651765.000 | 1854431.200 | 2210525.300 | 3172848.300 |
| x | | 14781.602 | 26085.774 | 5050.893 | 303.128 | 20330704.000 | 13757032.000 | 1863290.100 | 2227893.900 | 3182739.200 |
| σ | | 150.296 | 101.327 | 37.934 | 12.204 | 189778.070 | 124253.870 | 13141.044 | 15278.893 | 16173.396 |
| %RSD | | 1.017 | 0.388 | 0.751 | 4.026 | 0.933 | 0.903 | 0.705 | 0.686 | 0.508 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:49:01 | 29626.531 | 157782.170 | 15555.339 | 70589.596 | 9316883.800 | 47879.402 | 706739.520 | 55976.642 | 23275.195 |
| 2 | 16:50:09 | 29853.074 | 158519.960 | 15671.091 | 70460.838 | 9306776.200 | 47755.770 | 702713.660 | 55763.310 | 22682.055 |
| 3 | 16:51:17 | 29705.558 | 156284.590 | 15356.687 | 70715.215 | 9199708.700 | 47338.873 | 700929.120 | 55559.392 | 22959.059 |
| x | | 29728.388 | 157528.910 | 15527.706 | 70588.550 | 9274456.200 | 47658.015 | 703460.770 | 55766.448 | 22972.103 |
| σ | | 114.984 | 1139.000 | 159.013 | 127.192 | 64930.249 | 283.214 | 2976.377 | 208.642 | 296.785 |
| %RSD | | 0.387 | 0.723 | 1.024 | 0.180 | 0.700 | 0.594 | 0.423 | 0.374 | 1.292 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:49:01 | 362103.610 | 334452.560 | 44230.867 | 1277945.700 | 955945.510 | 21704110.000 | 543717.940 | 411099.960 | 88065.925 |
| 2 | 16:50:09 | 355014.920 | 331339.070 | 43970.691 | 1268715.500 | 952086.060 | 21766765.000 | 532864.020 | 401308.630 | 88131.955 |
| 3 | 16:51:17 | 358535.600 | 332309.670 | 43299.897 | 1264087.200 | 946968.390 | 21549869.000 | 535922.460 | 401912.760 | 87831.677 |
| x | | 358551.380 | 332700.430 | 43833.818 | 1270249.500 | 951666.650 | 21673581.000 | 537501.480 | 404773.780 | 88009.852 |
| σ | | 3544.371 | 1593.104 | 480.341 | 7055.432 | 4503.229 | 111624.260 | 5596.593 | 5486.952 | 157.797 |
| %RSD | | 0.989 | 0.479 | 1.096 | 0.555 | 0.473 | 0.515 | 1.041 | 1.356 | 0.179 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:49:01 | 440109.340 | 213947.990 | 163775.620 | 64422.537 | 4352.225 | 4352.225 | 13611.169 | 5861.619 | 23.438 |
| 2 | 16:50:09 | 440504.040 | 213640.310 | 162900.070 | 64591.003 | 4247.506 | 4247.506 | 13515.766 | 5742.300 | 27.604 |
| 3 | 16:51:17 | 440910.030 | 213746.570 | 160607.140 | 63775.895 | 4235.003 | 4235.003 | 13514.202 | 5917.892 | 20.833 |
| x | | 440507.800 | 213778.290 | 162427.610 | 64263.145 | 4278.245 | 4278.245 | 13547.045 | 5840.604 | 23.958 |
| σ | | 400.360 | 156.273 | 1636.225 | 430.296 | 64.373 | 64.373 | 55.538 | 89.663 | 3.415 |
| %RSD | | 0.091 | 0.073 | 1.007 | 0.670 | 1.505 | 1.505 | 0.410 | 1.535 | 14.255 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:49:01 | 124663.450 | 134962.650 | 154826.660 | 85659.170 | 223687.660 | 6.250 | 151781.750 | 9546.939 | 422048.300 |
| 2 | 16:50:09 | 125481.500 | 136697.780 | 156044.490 | 85083.872 | 225757.340 | 6.250 | 153976.930 | 9958.157 | 424614.890 |
| 3 | 16:51:17 | 124849.430 | 136655.190 | 155682.760 | 85641.879 | 226295.440 | 3.125 | 153130.400 | 9856.524 | 422370.110 |
| x | | 124998.130 | 136105.210 | 155517.970 | 85461.640 | 225246.810 | 5.208 | 152963.020 | 9787.207 | 423011.100 |
| σ | | 428.818 | 989.712 | 625.416 | 327.271 | 1376.809 | 1.804 | 1107.120 | 214.193 | 1398.211 |
| %RSD | | 0.343 | 0.727 | 0.402 | 0.383 | 0.611 | 34.641 | 0.724 | 2.189 | 0.331 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:49:01 | 7022.038 | 7022.038 | 417934.670 | 106298.700 | 287018.680 | 408370.190 | 373428.680 | 663512.100 | 427864.400 |
| 2 | 16:50:09 | 7294.049 | 7294.049 | 413010.140 | 105711.560 | 286808.260 | 408264.100 | 370632.260 | 668577.770 | 428777.100 |
| 3 | 16:51:17 | 6972.013 | 6972.013 | 413505.410 | 105047.310 | 285730.740 | 405787.200 | 372118.590 | 661540.960 | 428289.360 |
| x | | 7096.034 | 7096.034 | 414816.740 | 105685.850 | 286519.230 | 407473.830 | 372059.840 | 664543.610 | 428310.290 |
| σ | | 173.301 | 173.301 | 2711.538 | 626.092 | 690.906 | 1461.631 | 1399.139 | 3630.040 | 456.709 |
| %RSD | | 2.442 | 2.442 | 0.654 | 0.592 | 0.241 | 0.359 | 0.376 | 0.546 | 0.107 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:49:01 | 466516.820 | 874471.220 | 2111983.300 | 695170.210 | 657774.440 | 1553106.700 | 416165.370 | 4132863.900 |
| 2 | 16:50:09 | 465874.490 | 876585.710 | 2106974.500 | 699071.000 | 657177.580 | 1563869.400 | 419329.340 | 4098536.200 |
| 3 | 16:51:17 | 465897.080 | 866857.240 | 2094434.400 | 696594.970 | 659097.440 | 1546488.500 | 420521.440 | 4127198.900 |
| x | | 466096.130 | 872638.060 | 2104464.100 | 696945.390 | 658016.490 | 1554488.200 | 418672.050 | 4119533.000 |
| σ | | 364.505 | 5116.751 | 9039.830 | 1973.866 | 982.549 | 8772.447 | 2251.189 | 18403.073 |
| %RSD | | 0.078 | 0.586 | 0.430 | 0.283 | 0.149 | 0.564 | 0.538 | 0.447 |

**CCB** 05/01/2011 04:55:48 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:56:56 | 15472.437 | 18.750 | 143.751 | 225.002 | 142743.980 | 11066.785 | 1521.956 | 1887.625 | 2422.080 |
| 2 | 16:58:04 | 15003.187 | 17.708 | 123.438 | 275.003 | 132461.280 | 7738.033 | 1032.850 | 1292.246 | 1828.242 |
| 3 | 16:59:12 | 15195.577 | 9.896 | 114.063 | 239.065 | 128344.260 | 6296.700 | 848.463 | 901.591 | 1396.943 |
| x | | 15223.734 | 15.451 | 127.084 | 246.356 | 134516.510 | 8367.173 | 1134.423 | 1360.487 | 1882.422 |
| σ | | 235.889 | 4.839 | 15.176 | 25.786 | 7416.602 | 2446.485 | 348.046 | 496.546 | 514.712 |
| %RSD | | 1.549 | 31.320 | 11.942 | 10.467 | 5.514 | 29.239 | 30.680 | 36.498 | 27.343 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:56:56 | 556.261 | 987.534 | 15625.729 | 73579.627 | 98600.036 | 53.125 | 990.659 | 59632.012 | 35.938 |
| 2 | 16:58:04 | 496.884 | 956.282 | 15442.717 | 73567.062 | 93308.422 | 31.250 | 712.518 | 57146.886 | 37.500 |
| 3 | 16:59:12 | 546.885 | 1001.598 | 15617.908 | 73171.288 | 91988.968 | 21.875 | 660.953 | 57819.899 | 25.000 |
| x | | 533.343 | 981.805 | 15562.118 | 73439.326 | 94632.475 | 35.417 | 788.043 | 58199.599 | 32.813 |
| σ | | 31.921 | 23.195 | 103.478 | 232.213 | 3498.770 | 16.036 | 177.355 | 1285.338 | 6.811 |
| %RSD | | 5.985 | 2.362 | 0.665 | 0.316 | 3.697 | 45.279 | 22.506 | 2.208 | 20.757 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:56:56 | 9770.528 | 554.698 | 3275.375 | 3416.033 | 901.591 | 46600.884 | 1468.826 | 321.879 | 110.938 |
| 2 | 16:58:04 | 9081.010 | 414.069 | 2936.239 | 3242.555 | 615.638 | 43011.527 | 1339.125 | 210.939 | 67.188 |
| 3 | 16:59:12 | 8907.464 | 414.069 | 3025.320 | 3244.118 | 475.008 | 40135.990 | 1276.620 | 162.501 | 42.188 |
| x | | 9253.001 | 460.945 | 3078.978 | 3300.902 | 664.079 | 43249.467 | 1361.523 | 231.773 | 73.438 |
| σ | | 456.514 | 81.193 | 175.820 | 99.709 | 217.378 | 3239.008 | 98.041 | 81.706 | 34.799 |
| %RSD | | 4.934 | 17.614 | 5.710 | 3.021 | 32.734 | 7.489 | 7.201 | 35.253 | 47.385 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:56:56 | 406.256 | 189.064 | 168.751 | 140.105 | 29.688 | 29.688 | 154.168 | 23.958 | 15.625 |
| 2 | 16:58:04 | 264.065 | 125.001 | 125.001 | 122.917 | 31.250 | 31.250 | 159.897 | 19.792 | 18.229 |
| 3 | 16:59:12 | 207.814 | 95.313 | 93.750 | 107.292 | 40.625 | 40.625 | 153.126 | 19.271 | 25.000 |
| x | | 292.712 | 136.459 | 129.167 | 123.438 | 33.854 | 33.854 | 155.730 | 21.007 | 19.618 |
| σ | | 102.275 | 47.914 | 37.674 | 16.413 | 5.916 | 5.916 | 3.646 | 2.569 | 4.839 |
| %RSD | | 34.941 | 35.113 | 29.166 | 13.296 | 17.474 | 17.474 | 2.341 | 12.230 | 24.668 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:56:56 | 193.751 | 312.503 | 290.628 | 192.189 | 501.571 | 4.688 | 165326.140 | 140.626 | 451.570 |
| 2 | 16:58:04 | 154.688 | 195.314 | 248.440 | 137.501 | 368.755 | 6.250 | 160889.980 | 125.001 | 220.314 |
| 3 | 16:59:12 | 112.500 | 159.376 | 171.876 | 92.188 | 231.252 | 1.563 | 164788.740 | 123.438 | 185.939 |
| x | | 153.647 | 222.398 | 236.981 | 140.626 | 367.193 | 4.167 | 163668.290 | 129.688 | 285.941 |
| σ | | 40.635 | 80.076 | 60.199 | 50.074 | 135.166 | 2.387 | 2421.038 | 9.504 | 144.465 |
| %RSD | | 26.447 | 36.006 | 25.403 | 35.608 | 36.811 | 57.282 | 1.479 | 7.329 | 50.523 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:56:56 | 1.563 | 1.563 | 450.007 | 95.313 | 401.568 | 654.703 | 318.754 | 606.263 | 446646.670 |
| 2 | 16:58:04 | 10.938 | 10.938 | 237.502 | 76.563 | 309.378 | 454.695 | 190.626 | 309.378 | 435586.330 |
| 3 | 16:59:12 | 3.125 | 3.125 | 171.876 | 51.563 | 270.315 | 389.068 | 137.501 | 251.565 | 446108.360 |
| x | | 5.208 | 5.208 | 286.462 | 74.479 | 327.087 | 499.488 | 215.627 | 389.069 | 442780.450 |
| σ | | 5.023 | 5.023 | 145.386 | 21.949 | 67.395 | 138.367 | 93.177 | 190.304 | 6236.102 |
| %RSD | | 96.437 | 96.437 | 50.752 | 29.470 | 20.605 | 27.702 | 43.212 | 48.913 | 1.408 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:56:56 | 484668.870 | 948.469 | 2373.635 | 617.201 | 562.511 | 1362.565 | 451252.120 | 2981.561 |
| 2 | 16:58:04 | 469808.030 | 570.324 | 1314.123 | 434.382 | 348.442 | 845.338 | 437784.840 | 1993.889 |
| 3 | 16:59:12 | 481081.880 | 360.942 | 812.523 | 260.940 | 240.627 | 642.202 | 441578.650 | 1443.823 |
| x | | 478519.590 | 626.578 | 1500.094 | 437.507 | 383.860 | 950.035 | 443538.540 | 2139.758 |
| σ | | 7754.688 | 297.776 | 796.998 | 178.151 | 163.839 | 371.419 | 6944.264 | 779.178 |
| %RSD | | 1.621 | 47.524 | 53.130 | 40.720 | 42.682 | 39.095 | 1.566 | 36.414 |

**C1868-12 MF3TE0** 05/01/2011 05:03:44 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:04:52 | 16459.477 | 11.979 | 7073.626 | 493.759 | 76098722.000 | 17170267.000 | 2330258.700 | 2783580.200 | 2786.209 |
| 2 | 17:06:00 | 16653.451 | 5.729 | 7451.943 | 467.195 | 78067031.000 | 17686290.000 | 2376199.700 | 2834115.100 | 3637.584 |
| 3 | 17:07:07 | 16684.738 | 8.333 | 7376.904 | 429.694 | 77535826.000 | 17459350.000 | 2367721.400 | 2819146.800 | 2247.052 |
| x | | 16599.222 | 8.681 | 7300.824 | 463.549 | 77233860.000 | 17438635.000 | 2358059.900 | 2812280.700 | 2890.282 |
| σ | | 122.030 | 3.139 | 200.305 | 32.188 | 1018306.200 | 258634.630 | 24446.955 | 25957.693 | 701.084 |
| %RSD | | 0.735 | 36.166 | 2.744 | 6.944 | 1.318 | 1.483 | 1.037 | 0.923 | 24.257 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:04:52 | 1282788.100 | 879.715 | 226160.520 | 671029.430 | 3064204.300 | 265537.360 | 4304579.400 | 65369.560 | 109.375 |
| 2 | 17:06:00 | 1321690.100 | 940.656 | 234181.960 | 689071.050 | 3126900.400 | 268567.770 | 4346130.500 | 63850.000 | 100.000 |
| 3 | 17:07:07 | 1318748.500 | 879.715 | 231418.730 | 693309.540 | 3081884.800 | 266543.660 | 4327485.100 | 65241.720 | 125.001 |
| x | | 1307742.300 | 900.028 | 230587.070 | 684470.000 | 3090996.500 | 266882.930 | 4326065.000 | 64820.427 | 111.459 |
| σ | | 21660.926 | 35.185 | 4074.879 | 11831.233 | 32325.968 | 1543.431 | 20811.936 | 842.841 | 12.630 |
| %RSD | | 1.656 | 3.909 | 1.767 | 1.729 | 1.046 | 0.578 | 0.481 | 1.300 | 11.331 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:04:52 | 88208.991 | 898.466 | 22414.445 | 3080.020 | 806.273 | 52232.815 | 20544.449 | 579.699 | 520.322 |
| 2 | 17:06:00 | 93330.440 | 859.401 | 23948.181 | 3067.517 | 746.895 | 50953.206 | 21908.975 | 476.570 | 585.950 |
| 3 | 17:07:07 | 96270.164 | 856.276 | 24596.156 | 2808.089 | 614.076 | 48524.460 | 21581.915 | 442.194 | 548.448 |
| x | | 92603.198 | 871.381 | 23652.927 | 2985.208 | 722.414 | 50570.160 | 21345.113 | 499.488 | 551.573 |
| σ | | 4079.496 | 23.508 | 1120.422 | 153.518 | 98.409 | 1883.618 | 712.417 | 71.560 | 32.925 |
| %RSD | | 4.405 | 2.698 | 4.737 | 5.143 | 13.622 | 3.725 | 3.338 | 14.327 | 5.969 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:04:52 | 24023.307 | 11692.283 | 6259.183 | 1692.809 | 451.570 | 451.570 | 574.491 | 298.961 | 16.667 |
| 2 | 17:06:00 | 24200.168 | 12041.010 | 6218.541 | 1762.609 | 443.757 | 443.757 | 584.387 | 309.899 | 18.750 |
| 3 | 17:07:07 | 24267.469 | 11606.275 | 6368.607 | 1775.110 | 523.447 | 523.447 | 622.930 | 291.670 | 18.229 |
| x | | 24163.648 | 11779.856 | 6282.110 | 1743.509 | 472.925 | 472.925 | 593.936 | 300.177 | 17.882 |
| σ | | 126.111 | 230.218 | 77.616 | 44.351 | 43.928 | 43.928 | 25.593 | 9.175 | 1.084 |
| %RSD | | 0.522 | 1.954 | 1.236 | 2.544 | 9.289 | 9.289 | 4.309 | 3.057 | 6.063 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:04:52 | 2915.410 | 404.693 | 493.759 | 273.440 | 565.636 | 1.563 | 147187.170 | 104.688 | 121.876 |
| 2 | 17:06:00 | 1823.192 | 385.943 | 475.008 | 256.252 | 598.450 | 1.563 | 148652.220 | 107.813 | 89.063 |
| 3 | 17:07:07 | 2010.530 | 356.254 | 387.505 | 242.190 | 518.759 | 3.125 | 148481.710 | 96.875 | 45.313 |
| x | | 2249.711 | 382.297 | 452.091 | 257.294 | 560.949 | 2.083 | 148107.030 | 103.125 | 85.417 |
| σ | | 584.073 | 24.424 | 56.713 | 15.651 | 40.052 | 0.902 | 801.176 | 5.634 | 38.411 |
| %RSD | | 25.962 | 6.389 | 12.545 | 6.083 | 7.140 | 43.301 | 0.541 | 5.463 | 44.969 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:04:52 | 14.063 | 14.063 | 110.938 | 45.313 | 714.080 | 284.378 | 3920.851 | 6676.560 | 420759.550 |
| 2 | 17:06:00 | 6.250 | 6.250 | 64.063 | 28.125 | 621.889 | 250.002 | 3822.386 | 6478.031 | 416902.020 |
| 3 | 17:07:07 | 6.250 | 6.250 | 43.750 | 15.625 | 557.823 | 178.126 | 3683.287 | 6629.663 | 418779.180 |
| x | | 8.854 | 8.854 | 72.917 | 29.688 | 631.264 | 237.502 | 3808.841 | 6594.751 | 418813.580 |
| σ | | 4.511 | 4.511 | 34.458 | 14.905 | 78.549 | 54.218 | 119.359 | 103.767 | 1928.996 |
| %RSD | | 50.943 | 50.943 | 47.256 | 50.207 | 12.443 | 22.828 | 3.134 | 1.573 | 0.461 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:04:52 | 454718.860 | 460.945 | 1073.478 | 8153.889 | 6815.688 | 17129.013 | 391568.860 | 71247.538 |
| 2 | 17:06:00 | 450023.640 | 217.189 | 571.886 | 7919.382 | 7000.152 | 16938.161 | 394963.550 | 71674.667 |
| 3 | 17:07:07 | 455907.420 | 153.126 | 306.253 | 7886.551 | 6649.985 | 16759.825 | 397247.450 | 70085.561 |
| x | | 453549.980 | 277.087 | 650.539 | 7986.607 | 6821.942 | 16942.333 | 394593.290 | 71002.589 |
| σ | | 3111.179 | 162.416 | 389.613 | 145.797 | 175.167 | 184.629 | 2857.344 | 822.383 |
| %RSD | | 0.686 | 58.616 | 59.891 | 1.826 | 2.568 | 1.090 | 0.724 | 1.158 |

**C1868-13 MF3T97** 05/01/2011 05:11:39 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:12:47 | 16958.497 | 6.771 | 12397.565 | 421.881 | 127655960.000 | 17558527.000 | 2374667.900 | 2864951.500 | 1015.661 |
| 2 | 17:13:55 | 16811.449 | 7.813 | 12485.141 | 331.254 | 126324410.000 | 17542332.000 | 2383187.500 | 2843786.300 | 1040.663 |
| 3 | 17:15:03 | 17019.507 | 8.854 | 12557.079 | 432.819 | 126372750.000 | 17697411.000 | 2394933.700 | 2855912.300 | 959.407 |
| x | | 16929.818 | 7.813 | 12479.928 | 395.318 | 126784370.000 | 17599423.000 | 2384263.000 | 2854883.400 | 1005.244 |
| σ | | 106.953 | 1.042 | 79.885 | 55.750 | 755201.580 | 85245.543 | 10175.638 | 10620.056 | 41.617 |
| %RSD | | 0.632 | 13.333 | 0.640 | 14.103 | 0.596 | 0.484 | 0.427 | 0.372 | 4.140 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:12:47 | 1477252.800 | 753.145 | 384372.650 | 685046.770 | 2883466.600 | 267043.940 | 4379548.300 | 66249.917 | 104.688 |
| 2 | 17:13:55 | 1474743.600 | 718.768 | 387101.110 | 698779.100 | 2875083.500 | 266903.050 | 4329514.100 | 64320.686 | 115.625 |
| 3 | 17:15:03 | 1482355.500 | 818.773 | 386160.540 | 701590.100 | 2884873.200 | 253698.500 | 4398205.300 | 65680.445 | 104.688 |
| x | | 1478117.300 | 763.562 | 385878.100 | 695138.660 | 2881141.100 | 262548.500 | 4369089.300 | 65417.016 | 108.334 |
| σ | | 3878.874 | 50.810 | 1385.983 | 8852.121 | 5292.963 | 7664.646 | 35519.900 | 991.226 | 6.315 |
| %RSD | | 0.262 | 6.654 | 0.359 | 1.273 | 0.184 | 2.919 | 0.813 | 1.515 | 5.829 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:12:47 | 97401.229 | 962.532 | 23606.989 | 2622.116 | 454.695 | 45478.525 | 21514.626 | 504.696 | 584.387 |
| 2 | 17:13:55 | 100772.930 | 1050.039 | 24798.067 | 2789.335 | 479.696 | 45876.670 | 20913.735 | 428.131 | 598.450 |
| 3 | 17:15:03 | 102925.700 | 1115.669 | 25320.858 | 2737.762 | 439.069 | 45666.624 | 22051.381 | 529.697 | 601.575 |
| x | | 100366.620 | 1042.747 | 24575.305 | 2716.404 | 457.820 | 45673.940 | 21493.247 | 487.508 | 594.804 |
| σ | | 2784.557 | 76.828 | 878.381 | 85.631 | 20.493 | 199.173 | 569.124 | 52.920 | 9.156 |
| %RSD | | 2.774 | 7.368 | 3.574 | 3.152 | 4.476 | 0.436 | 2.648 | 10.855 | 1.539 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:12:47 | 998.472 | 525.010 | 670.328 | 1958.989 | 493.759 | 493.759 | 653.140 | 338.546 | 18.229 |
| 2 | 17:13:55 | 965.658 | 545.323 | 625.014 | 2001.703 | 485.946 | 485.946 | 668.766 | 356.254 | 13.542 |
| 3 | 17:15:03 | 1050.039 | 521.885 | 635.952 | 2029.311 | 471.883 | 471.883 | 683.871 | 315.628 | 14.583 |
| x | | 1004.723 | 530.739 | 643.765 | 1996.667 | 483.862 | 483.862 | 668.592 | 336.810 | 15.451 |
| σ | | 42.536 | 12.726 | 23.646 | 35.431 | 11.086 | 11.086 | 15.366 | 20.369 | 2.461 |
| %RSD | | 4.234 | 2.398 | 3.673 | 1.774 | 2.291 | 2.291 | 2.298 | 6.047 | 15.930 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:12:47 | 1324.801 | 426.569 | 507.822 | 312.503 | 721.893 | 6.250 | 146887.230 | 100.000 | 85.938 |
| 2 | 17:13:55 | 1452.050 | 434.382 | 473.445 | 282.815 | 723.456 | 1.563 | 149364.280 | 103.125 | 67.188 |
| 3 | 17:15:03 | 1423.772 | 495.321 | 482.821 | 295.316 | 756.270 | 0.000 | 150059.000 | 92.188 | 62.500 |
| x | | 1400.208 | 452.091 | 488.029 | 296.878 | 733.873 | 2.604 | 148770.170 | 98.438 | 71.875 |
| σ | | 66.817 | 37.642 | 17.770 | 14.906 | 19.412 | 3.253 | 1667.261 | 5.634 | 12.402 |
| %RSD | | 4.772 | 8.326 | 3.641 | 5.021 | 2.645 | 124.900 | 1.121 | 5.723 | 17.255 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:12:47 | 1.563 | 1.563 | 73.438 | 7.813 | 115.625 | 143.751 | 2984.687 | 5486.991 | 420214.160 |
| 2 | 17:13:55 | 1.563 | 1.563 | 64.063 | 14.063 | 132.813 | 157.813 | 3108.151 | 5457.292 | 425987.680 |
| 3 | 17:15:03 | 3.125 | 3.125 | 46.875 | 10.938 | 109.375 | 120.313 | 2948.742 | 5577.651 | 432014.670 |
| x | | 2.083 | 2.083 | 61.458 | 10.938 | 119.271 | 140.626 | 3013.860 | 5507.312 | 426072.170 |
| σ | | 0.902 | 0.902 | 13.471 | 3.125 | 12.137 | 18.944 | 83.613 | 62.700 | 5900.711 |
| %RSD | | 43.301 | 43.301 | 21.920 | 28.571 | 10.176 | 13.472 | 2.774 | 1.138 | 1.385 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:12:47 | 459815.670 | 165.626 | 370.317 | 385.943 | 356.254 | 867.214 | 396908.540 | 92496.920 |
| 2 | 17:13:55 | 463944.430 | 126.563 | 323.441 | 370.317 | 325.004 | 775.021 | 397939.770 | 94360.612 |
| 3 | 17:15:03 | 468947.620 | 139.063 | 309.378 | 353.129 | 317.191 | 757.833 | 404559.350 | 94135.698 |
| x | | 464235.910 | 143.751 | 334.379 | 369.796 | 332.816 | 800.022 | 399802.550 | 93664.410 |
| σ | | 4572.949 | 19.949 | 31.908 | 16.413 | 20.670 | 58.821 | 4151.650 | 1017.311 |
| %RSD | | 0.985 | 13.877 | 9.542 | 4.438 | 6.211 | 7.352 | 1.038 | 1.086 |

**C1868-14 MF3T99** 05/01/2011 05:19:35 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:20:43 | 16240.476 | 6.250 | 12183.318 | 371.880 | 129503740.000 | 17947349.000 | 2437038.600 | 2901745.500 | 612.513 |
| 2 | 17:21:51 | 15915.110 | 4.167 | 11750.143 | 407.818 | 125705110.000 | 17520043.000 | 2349646.200 | 2801453.300 | 656.265 |
| 3 | 17:22:59 | 16026.172 | 3.646 | 11787.674 | 376.567 | 126330060.000 | 17379547.000 | 2369367.000 | 2821107.600 | 575.012 |
| x | | 16060.586 | 4.688 | 11907.045 | 385.422 | 127179640.000 | 17615646.000 | 2385350.600 | 2841435.500 | 614.597 |
| σ | | 165.390 | 1.378 | 239.994 | 19.537 | 2036846.500 | 295727.580 | 45836.287 | 53146.513 | 40.667 |
| %RSD | | 1.030 | 29.397 | 2.016 | 5.069 | 1.602 | 1.679 | 1.922 | 1.870 | 6.617 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:20:43 | 1507915.600 | 785.959 | 376985.930 | 699599.060 | 2674645.500 | 240097.970 | 3945099.700 | 63300.867 | 90.625 |
| 2 | 17:21:51 | 1473976.400 | 851.588 | 367882.860 | 693958.700 | 2622287.700 | 218725.780 | 3829611.500 | 61360.013 | 106.250 |
| 3 | 17:22:59 | 1457660.300 | 710.955 | 364138.740 | 698497.050 | 2617817.600 | 218398.960 | 3813628.000 | 63771.552 | 140.626 |
| x | | 1479850.800 | 782.834 | 369669.180 | 697351.600 | 2638250.300 | 225740.900 | 3862779.700 | 62810.811 | 112.500 |
| σ | | 25637.466 | 70.368 | 6607.250 | 2989.557 | 31598.375 | 12434.662 | 71737.707 | 1278.279 | 25.579 |
| %RSD | | 1.732 | 8.989 | 1.787 | 0.429 | 1.198 | 5.508 | 1.857 | 2.035 | 22.737 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:20:43 | 103720.480 | 1015.661 | 24979.633 | 2493.968 | 353.129 | 41229.723 | 18317.987 | 492.196 | 590.637 |
| 2 | 17:21:51 | 105574.610 | 1035.975 | 25632.350 | 2648.683 | 346.879 | 40372.593 | 17000.735 | 453.132 | 506.259 |
| 3 | 17:22:59 | 107087.370 | 1104.730 | 26424.416 | 2467.401 | 353.129 | 40642.105 | 16473.555 | 532.822 | 603.138 |
| x | | 105460.820 | 1052.122 | 25678.800 | 2536.684 | 351.046 | 40748.140 | 17264.092 | 492.717 | 566.678 |
| σ | | 1686.328 | 46.678 | 723.511 | 97.900 | 3.609 | 438.293 | 950.000 | 39.848 | 52.696 |
| %RSD | | 1.599 | 4.437 | 2.818 | 3.859 | 1.028 | 1.076 | 5.503 | 8.087 | 9.299 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:20:43 | 1676.661 | 817.211 | 2790.898 | 2083.485 | 492.196 | 492.196 | 613.555 | 311.462 | 17.188 |
| 2 | 17:21:51 | 1578.212 | 800.022 | 2694.004 | 2068.379 | 501.571 | 501.571 | 663.036 | 306.774 | 18.229 |
| 3 | 17:22:59 | 1625.092 | 803.148 | 2761.204 | 2140.785 | 492.196 | 492.196 | 630.743 | 307.295 | 14.063 |
| x | | 1626.655 | 806.794 | 2748.702 | 2097.550 | 495.321 | 495.321 | 635.778 | 308.510 | 16.493 |
| σ | | 49.243 | 9.156 | 49.642 | 38.197 | 5.413 | 5.413 | 25.122 | 2.569 | 2.168 |
| %RSD | | 3.027 | 1.135 | 1.806 | 1.821 | 1.093 | 1.093 | 3.951 | 0.833 | 13.147 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:20:43 | 981.936 | 529.697 | 525.010 | 362.505 | 850.025 | 3.125 | 143850.310 | 100.000 | 40.625 |
| 2 | 17:21:51 | 875.896 | 521.885 | 528.135 | 317.191 | 865.651 | 6.250 | 144914.110 | 81.250 | 45.313 |
| 3 | 17:22:59 | 1370.752 | 506.259 | 523.447 | 357.817 | 778.146 | 1.563 | 145741.210 | 76.563 | 42.188 |
| x | | 1076.195 | 519.280 | 525.531 | 345.838 | 831.274 | 3.646 | 144835.210 | 85.938 | 42.708 |
| σ | | 260.546 | 11.934 | 2.387 | 24.919 | 46.669 | 2.387 | 947.914 | 12.402 | 2.387 |
| %RSD | | 24.210 | 2.298 | 0.454 | 7.205 | 5.614 | 65.465 | 0.654 | 14.431 | 5.589 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:20:43 | 1.563 | 1.563 | 31.250 | 6.250 | 78.125 | 110.938 | 3719.234 | 6720.330 | 415592.810 |
| 2 | 17:21:51 | 4.688 | 4.688 | 53.125 | 6.250 | 73.438 | 89.063 | 3570.759 | 6603.088 | 420297.810 |
| 3 | 17:22:59 | 1.563 | 1.563 | 43.750 | 7.813 | 93.750 | 101.563 | 3697.353 | 6263.873 | 420336.430 |
| x | | 2.604 | 2.604 | 42.708 | 6.771 | 81.771 | 100.521 | 3662.449 | 6529.097 | 418742.350 |
| σ | | 1.804 | 1.804 | 10.975 | 0.902 | 10.636 | 10.975 | 80.156 | 237.053 | 2727.648 |
| %RSD | | 69.282 | 69.282 | 25.697 | 13.323 | 13.007 | 10.918 | 2.189 | 3.631 | 0.651 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:20:43 | 451576.190 | 84.375 | 167.188 | 578.137 | 473.445 | 1257.868 | 394761.190 | 99605.412 |
| 2 | 17:21:51 | 456239.650 | 42.188 | 129.688 | 545.323 | 412.506 | 1204.738 | 398224.090 | 98061.977 |
| 3 | 17:22:59 | 457471.890 | 56.250 | 103.125 | 545.323 | 450.007 | 1168.798 | 402324.100 | 97476.742 |
| x | | 455095.910 | 60.938 | 133.334 | 556.261 | 445.319 | 1210.468 | 398436.460 | 98381.377 |
| σ | | 3109.812 | 21.481 | 32.187 | 18.945 | 30.739 | 44.811 | 3785.923 | 1099.692 |
| %RSD | | 0.683 | 35.251 | 24.140 | 3.406 | 6.903 | 3.702 | 0.950 | 1.118 |

**C1868-15 MF3TA0** 05/01/2011 05:27:31 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:28:39 | 16198.241 | 3.125 | 12067.595 | 428.131 | 94894207.000 | 12983869.000 | 1748335.800 | 2090719.100 | 770.333 |
| 2 | 17:29:47 | 15696.118 | 4.167 | 12629.017 | 482.821 | 96807280.000 | 13250879.000 | 1780926.500 | 2150662.500 | 746.895 |
| 3 | 17:30:55 | 16238.912 | 4.688 | 11776.727 | 470.320 | 93878618.000 | 12829465.000 | 1730482.800 | 2056166.700 | 751.582 |
| x | | 16044.424 | 3.993 | 12157.780 | 460.424 | 95193368.000 | 13021404.000 | 1753248.400 | 2099182.800 | 756.270 |
| σ | | 302.326 | 0.796 | 433.243 | 28.656 | 1487074.200 | 213199.770 | 25578.161 | 47813.082 | 12.403 |
| %RSD | | 1.884 | 19.924 | 3.564 | 6.224 | 1.562 | 1.637 | 1.459 | 2.278 | 1.640 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:28:39 | 1225509.900 | 689.079 | 229446.670 | 647430.100 | 2599214.400 | 128654.850 | 2228652.900 | 58254.471 | 92.188 |
| 2 | 17:29:47 | 1254267.900 | 723.456 | 235090.450 | 662730.160 | 2613586.700 | 130556.360 | 2269865.900 | 56511.554 | 104.688 |
| 3 | 17:30:55 | 1205701.100 | 629.701 | 225857.340 | 652189.420 | 2547087.200 | 125506.720 | 2187535.300 | 57677.136 | 93.750 |
| x | | 1228493.000 | 680.745 | 230131.490 | 654116.560 | 2586629.400 | 128239.310 | 2228684.700 | 57481.054 | 96.875 |
| σ | | 24420.450 | 47.430 | 4654.495 | 7829.963 | 34990.441 | 2550.338 | 41165.285 | 887.849 | 6.811 |
| %RSD | | 1.988 | 6.967 | 2.023 | 1.197 | 1.353 | 1.989 | 1.847 | 1.545 | 7.031 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:28:39 | 100083.740 | 4000.560 | 26029.943 | 3489.489 | 420.319 | 52714.266 | 11567.181 | 221.877 | 332.816 |
| 2 | 17:29:47 | 104606.590 | 4099.026 | 26773.503 | 3345.704 | 450.007 | 53079.678 | 12189.573 | 287.503 | 303.128 |
| 3 | 17:30:55 | 104076.180 | 3977.116 | 27265.056 | 3265.998 | 465.633 | 52780.134 | 11751.707 | 245.315 | 320.316 |
| x | | 102922.170 | 4025.567 | 26689.501 | 3367.064 | 445.319 | 52858.026 | 11836.154 | 251.565 | 318.754 |
| σ | | 2472.418 | 64.688 | 621.827 | 113.266 | 23.018 | 194.761 | 319.674 | 33.257 | 14.906 |
| %RSD | | 2.402 | 1.607 | 2.330 | 3.364 | 5.169 | 0.368 | 2.701 | 13.220 | 4.676 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:28:39 | 3297.256 | 1609.466 | 1043.788 | 1387.567 | 412.506 | 412.506 | 403.652 | 181.251 | 18.750 |
| 2 | 17:29:47 | 3530.124 | 1670.410 | 1078.166 | 1365.169 | 335.941 | 335.941 | 367.192 | 182.293 | 16.146 |
| 3 | 17:30:55 | 3345.704 | 1571.962 | 1020.349 | 1365.690 | 337.504 | 337.504 | 381.776 | 150.001 | 28.125 |
| x | | 3391.028 | 1617.279 | 1047.434 | 1372.809 | 361.984 | 361.984 | 384.207 | 171.182 | 21.007 |
| σ | | 122.872 | 49.687 | 29.080 | 12.784 | 43.760 | 43.760 | 18.351 | 18.351 | 6.300 |
| %RSD | | 3.623 | 3.072 | 2.776 | 0.931 | 12.089 | 12.089 | 4.776 | 10.720 | 29.992 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:28:39 | 670.328 | 1162.547 | 1215.677 | 768.771 | 1986.076 | 1.563 | 150081.110 | 101.563 | 23.438 |
| 2 | 17:29:47 | 726.581 | 1140.670 | 1292.246 | 779.709 | 1973.574 | 1.563 | 145083.000 | 90.625 | 21.875 |
| 3 | 17:30:55 | 632.827 | 1165.673 | 1314.123 | 725.018 | 1893.876 | 0.000 | 151085.360 | 121.876 | 43.750 |
| x | | 676.579 | 1156.297 | 1274.015 | 757.833 | 1951.175 | 1.042 | 148749.820 | 104.688 | 29.688 |
| σ | | 47.189 | 13.623 | 51.693 | 28.939 | 50.015 | 0.902 | 3215.017 | 15.858 | 12.204 |
| %RSD | | 6.975 | 1.178 | 4.058 | 3.819 | 2.563 | 86.603 | 2.161 | 15.148 | 41.107 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:28:39 | 3.125 | 3.125 | 25.000 | 9.375 | 84.375 | 71.875 | 5332.245 | 9118.534 | 425469.450 |
| 2 | 17:29:47 | 1.563 | 1.563 | 25.000 | 6.250 | 82.813 | 78.125 | 5091.532 | 9440.618 | 412378.210 |
| 3 | 17:30:55 | 4.688 | 4.688 | 29.688 | 4.688 | 89.063 | 79.688 | 5021.195 | 9170.130 | 429622.250 |
| x | | 3.125 | 3.125 | 26.563 | 6.771 | 85.417 | 76.563 | 5148.324 | 9243.094 | 422489.970 |
| σ | | 1.563 | 1.563 | 2.706 | 2.387 | 3.253 | 4.134 | 163.117 | 172.995 | 8999.845 |
| %RSD | | 50.000 | 50.000 | 10.189 | 35.251 | 3.808 | 5.400 | 3.168 | 1.872 | 2.130 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:28:39 | 462050.120 | 31.250 | 93.750 | 779.709 | 685.954 | 1720.416 | 401649.250 | 119217.250 |
| 2 | 17:29:47 | 449393.320 | 43.750 | 57.813 | 800.022 | 692.204 | 1673.536 | 392069.830 | 121910.150 |
| 3 | 17:30:55 | 465722.790 | 39.063 | 57.813 | 793.772 | 635.952 | 1740.731 | 407841.340 | 118371.200 |
| x | | 459055.410 | 38.021 | 69.792 | 791.168 | 671.370 | 1711.561 | 400520.140 | 119832.870 |
| σ | | 8566.743 | 6.315 | 20.749 | 10.404 | 30.832 | 34.462 | 7946.152 | 1848.047 |
| %RSD | | 1.866 | 16.609 | 29.729 | 1.315 | 4.592 | 2.013 | 1.984 | 1.542 |

**C1868-16 MF3TA1** 05/01/2011 05:35:28 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:36:36 | 15855.669 | 2.083 | 12109.818 | 356.254 | 96352023.000 | 13493757.000 | 1835500.900 | 2176217.400 | 926.593 |
| 2 | 17:37:44 | 15619.472 | 3.646 | 12192.701 | 440.632 | 96550170.000 | 13547137.000 | 1837572.700 | 2188065.100 | 962.532 |
| 3 | 17:38:52 | 15744.609 | 2.604 | 12369.415 | 393.755 | 95939839.000 | 13494204.000 | 1832806.500 | 2191406.700 | 820.336 |
| x | | 15739.917 | 2.778 | 12223.978 | 396.881 | 96280677.000 | 13511699.000 | 1835293.400 | 2185229.700 | 903.154 |
| σ | | 118.169 | 0.796 | 132.595 | 42.275 | 311357.470 | 30690.808 | 2389.844 | 7981.762 | 73.939 |
| %RSD | | 0.751 | 28.641 | 1.085 | 10.652 | 0.323 | 0.227 | 0.130 | 0.365 | 8.187 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:36:36 | 1721129.900 | 857.838 | 201619.040 | 632668.430 | 2025280.600 | 116408.290 | 2013657.000 | 56205.663 | 137.501 |
| 2 | 17:37:44 | 1701633.700 | 921.905 | 203218.020 | 641525.600 | 2021840.200 | 116034.960 | 2003384.800 | 56558.614 | 117.188 |
| 3 | 17:38:52 | 1733721.700 | 865.651 | 202406.620 | 647230.740 | 2014168.800 | 115356.060 | 2010792.700 | 57156.299 | 137.501 |
| x | | 1718828.400 | 881.798 | 202414.560 | 640474.920 | 2020429.900 | 115933.110 | 2009278.200 | 56640.192 | 130.730 |
| σ | | 16167.331 | 34.952 | 799.520 | 7337.789 | 5688.586 | 533.461 | 5300.916 | 480.539 | 11.728 |
| %RSD | | 0.941 | 3.964 | 0.395 | 1.146 | 0.282 | 0.460 | 0.264 | 0.848 | 8.971 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:36:36 | 141489.410 | 2037.645 | 25870.278 | 3806.757 | 692.204 | 58375.275 | 10557.024 | 221.877 | 345.317 |
| 2 | 17:37:44 | 146483.110 | 2078.276 | 27382.468 | 3706.731 | 626.576 | 58598.060 | 10066.045 | 195.314 | 351.567 |
| 3 | 17:38:52 | 146884.070 | 2206.420 | 28085.393 | 3609.831 | 675.016 | 57859.119 | 10580.479 | 231.252 | 314.066 |
| x | | 144952.200 | 2107.447 | 27112.713 | 3707.773 | 664.599 | 58277.485 | 10401.183 | 216.147 | 336.983 |
| σ | | 3005.557 | 88.088 | 1131.927 | 98.467 | 34.032 | 379.052 | 290.475 | 18.641 | 20.091 |
| %RSD | | 2.073 | 4.180 | 4.175 | 2.656 | 5.121 | 0.650 | 2.793 | 8.624 | 5.962 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:36:36 | 7314.372 | 3572.322 | 2059.523 | 2802.358 | 420.319 | 420.319 | 376.567 | 154.168 | 15.625 |
| 2 | 17:37:44 | 7362.834 | 3637.963 | 2048.584 | 2791.940 | 373.442 | 373.442 | 352.609 | 165.105 | 17.708 |
| 3 | 17:38:52 | 7201.815 | 3573.885 | 2039.208 | 2808.609 | 417.194 | 417.194 | 338.546 | 143.230 | 20.833 |
| x | | 7293.007 | 3594.723 | 2049.105 | 2800.969 | 403.652 | 403.652 | 355.907 | 154.168 | 18.056 |
| σ | | 82.609 | 37.455 | 10.168 | 8.421 | 26.209 | 26.209 | 19.224 | 10.938 | 2.621 |
| %RSD | | 1.133 | 1.042 | 0.496 | 0.301 | 6.493 | 6.493 | 5.402 | 7.095 | 14.519 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:36:36 | 539.073 | 865.651 | 904.716 | 520.322 | 1295.371 | 4.688 | 145553.370 | 103.125 | 39.063 |
| 2 | 17:37:44 | 501.571 | 845.338 | 912.529 | 556.261 | 1468.826 | 4.688 | 147686.030 | 71.875 | 20.313 |
| 3 | 17:38:52 | 498.446 | 829.712 | 889.090 | 589.075 | 1364.128 | 3.125 | 148446.980 | 101.563 | 12.500 |
| x | | 513.030 | 846.900 | 902.112 | 555.219 | 1376.108 | 4.167 | 147228.790 | 92.188 | 23.958 |
| σ | | 22.608 | 18.021 | 11.935 | 34.388 | 87.346 | 0.902 | 1500.014 | 17.609 | 13.651 |
| %RSD | | 4.407 | 2.128 | 1.323 | 6.194 | 6.347 | 21.651 | 1.019 | 19.101 | 56.980 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:36:36 | 1.563 | 1.563 | 25.000 | 0.000 | 107.813 | 84.375 | 5271.285 | 9679.841 | 421337.140 |
| 2 | 17:37:44 | 0.000 | 0.000 | 20.313 | 1.563 | 118.750 | 70.313 | 5554.204 | 9399.967 | 419078.390 |
| 3 | 17:38:52 | 3.125 | 3.125 | 10.938 | 4.688 | 132.813 | 106.250 | 5590.156 | 9593.845 | 423078.100 |
| x | | 1.563 | 1.563 | 18.750 | 2.083 | 119.792 | 86.979 | 5471.882 | 9557.884 | 421164.540 |
| σ | | 1.563 | 1.563 | 7.160 | 2.387 | 12.533 | 18.110 | 174.650 | 143.361 | 2005.435 |
| %RSD | | 100.000 | 100.000 | 38.188 | 114.564 | 10.462 | 20.821 | 3.192 | 1.500 | 0.476 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:36:36 | 456212.240 | 37.500 | 104.688 | 920.342 | 764.083 | 1962.635 | 398868.250 | 66162.231 |
| 2 | 17:37:44 | 455628.420 | 34.375 | 62.500 | 856.276 | 796.897 | 1997.015 | 401699.060 | 67617.459 |
| 3 | 17:38:52 | 459659.190 | 34.375 | 78.125 | 923.467 | 787.522 | 1981.387 | 405702.010 | 68083.728 |
| x | | 457166.610 | 35.417 | 81.771 | 900.028 | 782.834 | 1980.346 | 402089.780 | 67287.806 |
| σ | | 2178.283 | 1.804 | 21.329 | 37.923 | 16.902 | 17.214 | 3433.594 | 1002.268 |
| %RSD | | 0.476 | 5.094 | 26.084 | 4.214 | 2.159 | 0.869 | 0.854 | 1.490 |

**C1868-12X25 MF3TE0** 05/01/2011 05:43:26 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:44:34 | 17875.239 | 1.042 | 746.895 | 298.441 | 3710676.800 | 834126.220 | 107011.810 | 130952.150 | 598.450 |
| 2 | 17:45:42 | 17987.880 | 3.125 | 626.576 | 273.440 | 3809069.700 | 842727.770 | 109582.750 | 131677.520 | 579.699 |
| 3 | 17:46:51 | 17746.954 | 2.604 | 707.830 | 287.503 | 3787541.600 | 838763.150 | 108017.770 | 130931.650 | 689.079 |
| x | | 17870.024 | 2.257 | 693.767 | 286.461 | 3769096.000 | 838539.050 | 108204.110 | 131187.100 | 622.409 |
| σ | | 120.548 | 1.084 | 61.380 | 12.533 | 51724.939 | 4305.150 | 1295.560 | 424.835 | 58.494 |
| %RSD | | 0.675 | 48.038 | 8.847 | 4.375 | 1.372 | 0.513 | 1.197 | 0.324 | 9.398 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:44:34 | 59777.933 | 953.157 | 25641.742 | 114034.580 | 228020.990 | 11551.543 | 190801.670 | 65878.110 | 10.938 |
| 2 | 17:45:42 | 61808.421 | 871.902 | 26004.897 | 112591.950 | 228622.680 | 11585.946 | 191943.370 | 65953.457 | 7.813 |
| 3 | 17:46:51 | 61127.375 | 842.212 | 26271.009 | 109247.380 | 226157.340 | 11625.041 | 190866.590 | 66504.440 | 6.250 |
| x | | 60904.576 | 889.090 | 25972.549 | 111957.970 | 227600.340 | 11587.510 | 191203.880 | 66112.002 | 8.333 |
| σ | | 1033.417 | 57.435 | 315.878 | 2455.759 | 1285.375 | 36.773 | 641.244 | 341.942 | 2.387 |
| %RSD | | 1.697 | 6.460 | 1.216 | 2.193 | 0.565 | 0.317 | 0.335 | 0.517 | 28.641 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:44:34 | 22120.237 | 384.380 | 6868.838 | 3153.473 | 203.126 | 39492.011 | 2054.835 | 18.750 | 48.438 |
| 2 | 17:45:42 | 21070.214 | 420.319 | 6809.435 | 3030.009 | 204.689 | 39860.219 | 2162.664 | 26.563 | 48.438 |
| 3 | 17:46:51 | 19829.378 | 400.006 | 6352.975 | 3086.271 | 231.252 | 39336.897 | 2268.930 | 25.000 | 48.438 |
| x | | 21006.610 | 401.568 | 6677.083 | 3089.918 | 213.022 | 39563.042 | 2162.143 | 23.438 | 48.438 |
| σ | | 1146.754 | 18.020 | 282.253 | 61.813 | 15.806 | 268.795 | 107.048 | 4.134 | 0.000 |
| %RSD | | 5.459 | 4.487 | 4.227 | 2.000 | 7.420 | 0.679 | 4.951 | 17.638 | 0.000 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:44:34 | 1243.804 | 565.636 | 398.443 | 253.648 | 78.125 | 78.125 | 163.022 | 32.813 | 29.688 |
| 2 | 17:45:42 | 1198.488 | 601.575 | 403.131 | 259.898 | 71.875 | 71.875 | 172.397 | 30.729 | 26.042 |
| 3 | 17:46:51 | 1254.743 | 607.825 | 395.318 | 240.627 | 70.313 | 70.313 | 181.772 | 32.292 | 17.708 |
| x | | 1232.345 | 591.679 | 398.964 | 251.391 | 73.438 | 73.438 | 172.397 | 31.944 | 24.479 |
| σ | | 29.827 | 22.769 | 3.932 | 9.832 | 4.134 | 4.134 | 9.375 | 1.084 | 6.141 |
| %RSD | | 2.420 | 3.848 | 0.986 | 3.911 | 5.629 | 5.629 | 5.438 | 3.394 | 25.085 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:44:34 | 17.188 | 20.313 | 17.188 | 17.188 | 42.188 | 1.563 | 182163.440 | 143.751 | 4.688 |
| 2 | 17:45:42 | 18.750 | 15.625 | 34.375 | 20.313 | 28.125 | 3.125 | 182389.740 | 140.626 | 3.125 |
| 3 | 17:46:51 | 18.750 | 18.750 | 26.563 | 21.875 | 26.563 | 3.125 | 180109.520 | 140.626 | 1.563 |
| x | | 18.229 | 18.229 | 26.042 | 19.792 | 32.292 | 2.604 | 181554.230 | 141.667 | 3.125 |
| σ | | 0.902 | 2.387 | 8.606 | 2.387 | 8.606 | 0.902 | 1256.265 | 1.804 | 1.563 |
| %RSD | | 4.949 | 13.093 | 33.045 | 12.059 | 26.650 | 34.641 | 0.692 | 1.274 | 50.000 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:44:34 | 0.000 | 0.000 | 3.125 | 0.000 | 101.563 | 20.313 | 168.751 | 304.691 | 480936.480 |
| 2 | 17:45:42 | 3.125 | 3.125 | 0.000 | 0.000 | 67.188 | 23.438 | 170.314 | 315.628 | 479230.570 |
| 3 | 17:46:51 | 0.000 | 0.000 | 1.563 | 0.000 | 60.938 | 18.750 | 171.876 | 332.816 | 477763.900 |
| x | | 1.042 | 1.042 | 1.563 | 0.000 | 76.563 | 20.833 | 170.314 | 317.712 | 479310.320 |
| σ | | 1.804 | 1.804 | 1.563 | 0.000 | 21.875 | 2.387 | 1.563 | 14.178 | 1587.795 |
| %RSD | | 173.205 | 173.205 | 100.000 | 0.000 | 28.572 | 11.456 | 0.917 | 4.463 | 0.331 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:44:34 | 516627.280 | 14.063 | 42.188 | 410.943 | 325.004 | 889.090 | 470573.230 | 2925.300 |
| 2 | 17:45:42 | 517416.000 | 9.375 | 39.063 | 406.256 | 337.504 | 842.212 | 477101.680 | 3084.708 |
| 3 | 17:46:51 | 515090.440 | 15.625 | 64.063 | 384.380 | 351.567 | 887.528 | 469990.440 | 2819.028 |
| x | | 516377.910 | 13.021 | 48.438 | 400.526 | 338.025 | 872.943 | 472555.120 | 2943.012 |
| σ | | 1182.668 | 3.253 | 13.622 | 14.178 | 13.289 | 26.625 | 3948.209 | 133.723 |
| %RSD | | 0.229 | 24.980 | 28.122 | 3.540 | 3.931 | 3.050 | 0.836 | 4.544 |

**C1868-13X25 MF3T97** 05/01/2011 05:51:24 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:52:33 | 17534.192 | 1.563 | 825.024 | 248.440 | 6151277.500 | 849658.790 | 111377.800 | 133435.910 | 546.885 |
| 2 | 17:53:41 | 17858.030 | 3.646 | 851.588 | 298.441 | 6294849.700 | 863549.050 | 112169.900 | 134039.960 | 501.571 |
| 3 | 17:54:49 | 18161.537 | 1.563 | 889.090 | 267.190 | 6204480.800 | 856995.250 | 112533.680 | 135543.110 | 507.822 |
| x | | 17851.253 | 2.257 | 855.234 | 271.357 | 6216869.300 | 856734.360 | 112027.130 | 134339.660 | 518.759 |
| σ | | 313.728 | 1.203 | 32.188 | 25.260 | 72583.428 | 6948.807 | 591.019 | 1085.097 | 24.558 |
| %RSD | | 1.757 | 53.294 | 3.764 | 9.309 | 1.168 | 0.811 | 0.528 | 0.808 | 4.734 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:52:33 | 69415.112 | 900.028 | 33307.534 | 103926.660 | 217707.270 | 11604.712 | 192427.950 | 64115.430 | 9.375 |
| 2 | 17:53:41 | 70944.473 | 939.093 | 34223.758 | 105979.150 | 218662.310 | 12025.372 | 196921.380 | 63787.404 | 17.188 |
| 3 | 17:54:49 | 71151.750 | 1007.848 | 33874.489 | 106744.190 | 218153.050 | 11650.061 | 195671.570 | 65609.692 | 20.313 |
| x | | 70503.778 | 948.990 | 33801.927 | 105550.000 | 218174.210 | 11760.048 | 195006.970 | 64504.176 | 15.625 |
| σ | | 948.492 | 54.587 | 462.402 | 1456.968 | 477.874 | 230.893 | 2319.265 | 971.352 | 5.634 |
| %RSD | | 1.345 | 5.752 | 1.368 | 1.380 | 0.219 | 1.963 | 1.189 | 1.506 | 36.056 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:52:33 | 17485.695 | 365.630 | 5497.933 | 3001.878 | 187.501 | 39098.744 | 2315.813 | 28.125 | 51.563 |
| 2 | 17:53:41 | 17158.736 | 428.131 | 5215.014 | 2964.370 | 201.564 | 39492.011 | 2379.886 | 21.875 | 71.875 |
| 3 | 17:54:49 | 16822.399 | 381.255 | 5169.685 | 2990.938 | 165.626 | 39985.569 | 2481.466 | 34.375 | 51.563 |
| x | | 17155.610 | 391.672 | 5294.211 | 2985.729 | 184.897 | 39525.442 | 2392.388 | 28.125 | 58.333 |
| σ | | 331.659 | 32.527 | 177.878 | 19.289 | 18.110 | 444.356 | 83.531 | 6.250 | 11.727 |
| %RSD | | 1.933 | 8.305 | 3.360 | 0.646 | 9.795 | 1.124 | 3.492 | 22.222 | 20.104 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:52:33 | 106.250 | 51.563 | 67.188 | 214.064 | 67.188 | 67.188 | 155.730 | 32.813 | 24.479 |
| 2 | 17:53:41 | 104.688 | 42.188 | 90.625 | 210.939 | 70.313 | 70.313 | 168.230 | 33.333 | 18.750 |
| 3 | 17:54:49 | 101.563 | 40.625 | 98.438 | 198.439 | 78.125 | 78.125 | 164.584 | 31.771 | 19.271 |
| x | | 104.167 | 44.792 | 85.417 | 207.814 | 71.875 | 71.875 | 162.848 | 32.639 | 20.833 |
| σ | | 2.387 | 5.916 | 16.263 | 8.268 | 5.634 | 5.634 | 6.428 | 0.796 | 3.168 |
| %RSD | | 2.291 | 13.207 | 19.040 | 3.979 | 7.838 | 7.838 | 3.947 | 2.438 | 15.207 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:52:33 | 18.750 | 23.438 | 40.625 | 31.250 | 40.625 | 9.375 | 171291.120 | 135.938 | 7.813 |
| 2 | 17:53:41 | 28.125 | 37.500 | 25.000 | 14.063 | 39.063 | 0.000 | 171838.250 | 145.313 | 4.688 |
| 3 | 17:54:49 | 15.625 | 23.438 | 15.625 | 18.750 | 34.375 | 1.563 | 177821.750 | 114.063 | 10.938 |
| x | | 20.833 | 28.125 | 27.083 | 21.354 | 38.021 | 3.646 | 173650.370 | 131.771 | 7.813 |
| σ | | 6.505 | 8.119 | 12.630 | 8.885 | 3.253 | 5.023 | 3622.862 | 16.036 | 3.125 |
| %RSD | | 31.225 | 28.868 | 46.632 | 41.607 | 8.555 | 137.766 | 2.086 | 12.170 | 40.000 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:52:33 | 0.000 | 0.000 | 7.813 | 1.563 | 62.500 | 15.625 | 140.626 | 254.690 | 450702.360 |
| 2 | 17:53:41 | 0.000 | 0.000 | 6.250 | 0.000 | 53.125 | 25.000 | 131.251 | 264.065 | 449952.710 |
| 3 | 17:54:49 | 1.563 | 1.563 | 7.813 | 3.125 | 67.188 | 15.625 | 150.001 | 226.564 | 462450.260 |
| x | | 0.521 | 0.521 | 7.292 | 1.563 | 60.938 | 18.750 | 140.626 | 248.440 | 454368.440 |
| σ | | 0.902 | 0.902 | 0.902 | 1.563 | 7.160 | 5.413 | 9.375 | 19.516 | 7009.090 |
| %RSD | | 173.205 | 173.205 | 12.372 | 100.000 | 11.750 | 28.868 | 6.667 | 7.855 | 1.543 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 17:52:33 | 488054.700 | 35.938 | 56.250 | 39.063 | 34.375 | 81.250 | 439543.880 | 3778.625 |
| 2 | 17:53:41 | 482810.640 | 42.188 | 59.375 | 32.813 | 40.625 | 103.125 | 437235.580 | 3984.931 |
| 3 | 17:54:49 | 496979.620 | 18.750 | 45.313 | 37.500 | 37.500 | 87.500 | 453394.950 | 3831.764 |
| x | | 489281.650 | 32.292 | 53.646 | 36.458 | 37.500 | 90.625 | 443391.470 | 3865.106 |
| σ | | 7163.735 | 12.137 | 7.384 | 3.253 | 3.125 | 11.267 | 8739.810 | 107.118 |
| %RSD | | 1.464 | 37.584 | 13.765 | 8.921 | 8.333 | 12.433 | 1.971 | 2.771 |

**C1868-14X25 MF3T99** 05/01/2011 05:59:29 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:00:44 | 17579.560 | 2.604 | 765.646 | 243.752 | 6308155.000 | 875850.910 | 115081.990 | 137309.860 | 523.447 |
| 2 | 18:02:06 | 17668.732 | 2.604 | 773.458 | 254.690 | 6335293.200 | 869186.760 | 113162.050 | 138306.910 | 410.943 |
| 3 | 18:03:15 | 17854.901 | 1.042 | 710.955 | 245.315 | 6361067.800 | 873474.700 | 113984.180 | 137249.910 | 504.696 |
| x | | 17701.064 | 2.083 | 750.020 | 247.919 | 6334838.700 | 872837.460 | 114076.070 | 137622.230 | 479.696 |
| σ | | 140.489 | 0.902 | 34.056 | 5.916 | 26459.301 | 3377.465 | 963.260 | 593.709 | 60.275 |
| %RSD | | 0.794 | 43.301 | 4.541 | 2.386 | 0.418 | 0.387 | 0.844 | 0.431 | 12.565 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:00:44 | 72731.551 | 882.840 | 33235.491 | 101855.570 | 207851.150 | 10630.516 | 174265.830 | 63745.028 | 14.063 |
| 2 | 18:02:06 | 72175.617 | 970.345 | 33171.280 | 102368.590 | 208291.880 | 10578.916 | 175104.110 | 64747.961 | 12.500 |
| 3 | 18:03:15 | 72571.364 | 1037.538 | 33207.301 | 103064.190 | 209133.730 | 10697.754 | 175751.050 | 64936.313 | 32.813 |
| x | | 72492.844 | 963.574 | 33204.690 | 102429.450 | 208425.590 | 10635.729 | 175040.330 | 64476.434 | 19.792 |
| σ | | 286.164 | 77.571 | 32.185 | 606.605 | 651.660 | 59.590 | 744.660 | 640.379 | 11.303 |
| %RSD | | 0.395 | 8.050 | 0.097 | 0.592 | 0.313 | 0.560 | 0.425 | 0.993 | 57.112 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:00:44 | 15434.896 | 354.692 | 4627.312 | 2929.988 | 165.626 | 38888.797 | 2129.846 | 31.250 | 39.063 |
| 2 | 18:02:06 | 15017.264 | 373.442 | 4539.784 | 3125.342 | 164.063 | 39454.408 | 2370.509 | 26.563 | 48.438 |
| 3 | 18:03:15 | 14754.490 | 371.880 | 4738.286 | 2922.174 | 157.813 | 38945.201 | 2181.417 | 26.563 | 62.500 |
| x | | 15068.884 | 366.671 | 4635.127 | 2992.501 | 162.501 | 39096.135 | 2227.257 | 28.125 | 50.000 |
| σ | | 343.127 | 10.404 | 99.481 | 115.110 | 4.134 | 311.552 | 126.711 | 2.706 | 11.797 |
| %RSD | | 2.277 | 2.837 | 2.146 | 3.847 | 2.544 | 0.797 | 5.689 | 9.623 | 23.593 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:00:44 | 142.188 | 51.563 | 235.939 | 201.043 | 59.375 | 59.375 | 155.730 | 25.000 | 23.958 |
| 2 | 18:02:06 | 128.126 | 60.938 | 195.314 | 200.001 | 56.250 | 56.250 | 180.209 | 24.479 | 16.667 |
| 3 | 18:03:15 | 134.376 | 70.313 | 214.064 | 189.585 | 60.938 | 60.938 | 183.855 | 26.563 | 21.354 |
| x | | 134.896 | 60.938 | 215.106 | 196.876 | 58.854 | 58.854 | 173.265 | 25.347 | 20.660 |
| σ | | 7.046 | 9.375 | 20.333 | 6.336 | 2.387 | 2.387 | 15.295 | 1.084 | 3.695 |
| %RSD | | 5.223 | 15.385 | 9.452 | 3.218 | 4.055 | 4.055 | 8.827 | 4.277 | 17.886 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:00:44 | 20.313 | 18.750 | 20.313 | 28.125 | 37.500 | 0.000 | 174071.290 | 100.000 | 6.250 |
| 2 | 18:02:06 | 17.188 | 28.125 | 32.813 | 14.063 | 51.563 | 1.563 | 174384.450 | 159.376 | 3.125 |
| 3 | 18:03:15 | 23.438 | 20.313 | 32.813 | 18.750 | 37.500 | 1.563 | 176299.940 | 145.313 | 3.125 |
| x | | 20.313 | 22.396 | 28.646 | 20.313 | 42.188 | 1.042 | 174918.560 | 134.896 | 4.167 |
| σ | | 3.125 | 5.023 | 7.217 | 7.160 | 8.119 | 0.902 | 1206.510 | 31.028 | 1.804 |
| %RSD | | 15.385 | 22.427 | 25.193 | 35.251 | 19.245 | 86.603 | 0.690 | 23.001 | 43.301 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:00:44 | 1.563 | 1.563 | 6.250 | 0.000 | 60.938 | 18.750 | 157.813 | 268.753 | 452932.180 |
| 2 | 18:02:06 | 0.000 | 0.000 | 7.813 | 3.125 | 46.875 | 15.625 | 157.813 | 293.753 | 461519.310 |
| 3 | 18:03:15 | 0.000 | 0.000 | 3.125 | 0.000 | 53.125 | 23.438 | 182.814 | 306.253 | 460935.270 |
| x | | 0.521 | 0.521 | 5.729 | 1.042 | 53.646 | 19.271 | 166.147 | 289.586 | 458462.250 |
| σ | | 0.902 | 0.902 | 2.387 | 1.804 | 7.046 | 3.932 | 14.434 | 19.094 | 4798.079 |
| %RSD | | 173.205 | 173.205 | 41.660 | 173.205 | 13.134 | 20.405 | 8.687 | 6.594 | 1.047 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:00:44 | 489784.290 | 29.688 | 62.500 | 53.125 | 45.313 | 140.626 | 444250.220 | 4089.648 |
| 2 | 18:02:06 | 498304.280 | 15.625 | 60.938 | 46.875 | 59.375 | 129.688 | 449477.150 | 4020.878 |
| 3 | 18:03:15 | 501068.810 | 23.438 | 56.250 | 59.375 | 53.125 | 110.938 | 457263.820 | 4156.855 |
| x | | 496385.790 | 22.917 | 59.896 | 53.125 | 52.604 | 127.084 | 450330.390 | 4089.127 |
| σ | | 5881.798 | 7.046 | 3.253 | 6.250 | 7.046 | 15.014 | 6548.624 | 67.990 |
| %RSD | | 1.185 | 30.745 | 5.430 | 11.765 | 13.394 | 11.814 | 1.454 | 1.663 |

**C1868-15X25 MF3TA0** 05/01/2011 06:07:57 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:09:06 | 16450.091 | 2.604 | 635.952 | 275.003 | 4522531.500 | 617034.690 | 80094.213 | 95461.640 | 484.383 |
| 2 | 18:10:14 | 16617.472 | 0.521 | 665.641 | 285.940 | 4409293.800 | 596734.320 | 76730.513 | 93471.986 | 470.320 |
| 3 | 18:11:22 | 16924.081 | 2.083 | 676.579 | 271.878 | 4381959.300 | 594306.800 | 76878.179 | 93074.088 | 532.822 |
| x | | 16663.881 | 1.736 | 659.390 | 277.607 | 4437928.200 | 602691.940 | 77900.968 | 94002.571 | 495.842 |
| σ | | 240.379 | 1.084 | 21.022 | 7.384 | 74532.420 | 12480.351 | 1900.840 | 1279.157 | 32.789 |
| %RSD | | 1.443 | 62.450 | 3.188 | 2.660 | 1.679 | 2.071 | 2.440 | 1.361 | 6.613 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:09:06 | 56260.566 | 945.344 | 25817.057 | 100162.410 | 201008.970 | 5788.673 | 97456.290 | 60171.769 | 9.375 |
| 2 | 18:10:14 | 55397.829 | 842.212 | 25284.857 | 99322.200 | 198812.930 | 5552.641 | 95491.526 | 61860.207 | 25.000 |
| 3 | 18:11:22 | 55018.242 | 825.024 | 25142.418 | 101657.290 | 199197.930 | 5793.362 | 95494.672 | 61505.556 | 21.875 |
| x | | 55558.879 | 870.860 | 25414.777 | 100380.630 | 199673.280 | 5711.559 | 96147.496 | 61179.177 | 18.750 |
| σ | | 636.628 | 65.075 | 355.590 | 1182.741 | 1172.651 | 137.646 | 1133.450 | 890.280 | 8.268 |
| %RSD | | 1.146 | 7.472 | 1.399 | 1.178 | 0.587 | 2.410 | 1.179 | 1.455 | 44.096 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:09:06 | 13690.932 | 487.508 | 4342.847 | 2976.873 | 189.064 | 39313.395 | 1615.716 | 23.438 | 32.813 |
| 2 | 18:10:14 | 13955.250 | 492.196 | 4336.596 | 3017.506 | 182.814 | 39166.116 | 1557.897 | 15.625 | 39.063 |
| 3 | 18:11:22 | 13689.368 | 556.261 | 4219.373 | 2917.485 | 167.188 | 39861.786 | 1654.783 | 9.375 | 35.938 |
| x | | 13778.517 | 511.988 | 4299.605 | 2970.621 | 179.689 | 39447.099 | 1609.466 | 16.146 | 35.938 |
| σ | | 153.058 | 38.413 | 69.554 | 50.303 | 11.267 | 366.602 | 48.744 | 7.046 | 3.125 |
| %RSD | | 1.111 | 7.503 | 1.618 | 1.693 | 6.271 | 0.929 | 3.029 | 43.638 | 8.696 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:09:06 | 189.064 | 90.625 | 85.938 | 156.251 | 51.563 | 51.563 | 159.376 | 26.042 | 15.104 |
| 2 | 18:10:14 | 206.251 | 84.375 | 110.938 | 152.084 | 62.500 | 62.500 | 152.605 | 21.875 | 16.146 |
| 3 | 18:11:22 | 215.627 | 93.750 | 98.438 | 153.647 | 60.938 | 60.938 | 156.251 | 20.313 | 21.354 |
| x | | 203.647 | 89.584 | 98.438 | 153.994 | 58.333 | 58.333 | 156.077 | 22.743 | 17.535 |
| σ | | 13.472 | 4.774 | 12.500 | 2.105 | 5.916 | 5.916 | 3.389 | 2.962 | 3.348 |
| %RSD | | 6.615 | 5.329 | 12.698 | 1.367 | 10.141 | 10.141 | 2.171 | 13.022 | 19.096 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:09:06 | 28.125 | 67.188 | 59.375 | 48.438 | 101.563 | 1.563 | 169271.950 | 137.501 | 9.375 |
| 2 | 18:10:14 | 43.750 | 43.750 | 60.938 | 35.938 | 85.938 | 1.563 | 173214.090 | 142.188 | 7.813 |
| 3 | 18:11:22 | 35.938 | 54.688 | 62.500 | 39.063 | 92.188 | 1.563 | 171485.620 | 106.250 | 6.250 |
| x | | 35.938 | 55.208 | 60.938 | 41.146 | 93.229 | 1.563 | 171323.890 | 128.646 | 7.813 |
| σ | | 7.813 | 11.727 | 1.563 | 6.505 | 7.864 | 0.000 | 1976.043 | 19.537 | 1.563 |
| %RSD | | 21.739 | 21.242 | 2.564 | 15.810 | 8.436 | 0.000 | 1.153 | 15.186 | 20.000 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:09:06 | 0.000 | 0.000 | 0.000 | 4.688 | 57.813 | 10.938 | 276.565 | 423.444 | 445296.100 |
| 2 | 18:10:14 | 0.000 | 0.000 | 6.250 | 3.125 | 65.625 | 10.938 | 223.439 | 439.069 | 454918.830 |
| 3 | 18:11:22 | 1.563 | 1.563 | 4.688 | 1.563 | 54.688 | 10.938 | 235.939 | 404.693 | 458641.310 |
| x | | 0.521 | 0.521 | 3.646 | 3.125 | 59.375 | 10.938 | 245.315 | 422.402 | 452952.080 |
| σ | | 0.902 | 0.902 | 3.253 | 1.563 | 5.634 | 0.000 | 27.776 | 17.212 | 6886.564 |
| %RSD | | 173.205 | 173.205 | 89.214 | 50.000 | 9.488 | 0.000 | 11.323 | 4.075 | 1.520 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:09:06 | 478279.150 | 34.375 | 62.500 | 46.875 | 43.750 | 150.001 | 438590.240 | 5111.852 |
| 2 | 18:10:14 | 489661.430 | 21.875 | 54.688 | 62.500 | 45.313 | 112.500 | 450486.330 | 5186.879 |
| 3 | 18:11:22 | 492210.900 | 20.313 | 64.063 | 62.500 | 43.750 | 126.563 | 454654.360 | 5193.131 |
| x | | 486717.160 | 25.521 | 60.417 | 57.292 | 44.271 | 129.688 | 447910.310 | 5163.954 |
| σ | | 7417.879 | 7.708 | 5.023 | 9.021 | 0.902 | 18.944 | 8336.121 | 45.230 |
| %RSD | | 1.524 | 30.201 | 8.314 | 15.746 | 2.038 | 14.608 | 1.861 | 0.876 |

**C1868-16X25 MF3TA1** 05/01/2011 06:15:57 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:17:05 | 16429.755 | 1.563 | 715.643 | 248.440 | 4516842.300 | 627853.340 | 82049.009 | 98247.621 | 726.581 |
| 2 | 18:18:13 | 16536.127 | 2.083 | 632.827 | 235.939 | 4432468.400 | 613126.530 | 80037.647 | 96945.017 | 696.892 |
| 3 | 18:19:22 | 16625.293 | 1.563 | 581.262 | 275.003 | 4482669.200 | 619875.360 | 81572.857 | 97775.649 | 675.016 |
| x | | 16530.392 | 1.736 | 643.244 | 253.127 | 4477326.600 | 620285.080 | 81219.838 | 97656.096 | 699.496 |
| σ | | 97.895 | 0.301 | 67.794 | 19.949 | 42439.902 | 7371.950 | 1051.124 | 659.480 | 25.881 |
| %RSD | | 0.592 | 17.321 | 10.539 | 7.881 | 0.948 | 1.188 | 1.294 | 0.675 | 3.700 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:17:05 | 79583.558 | 889.090 | 24128.171 | 97840.151 | 174653.330 | 5310.362 | 85365.231 | 59194.260 | 20.313 |
| 2 | 18:18:13 | 78662.855 | 912.529 | 24189.212 | 97928.251 | 171778.160 | 5200.947 | 85663.885 | 60355.353 | 25.000 |
| 3 | 18:19:22 | 78992.793 | 901.591 | 24294.077 | 98349.883 | 173239.400 | 5143.113 | 85607.298 | 60686.439 | 23.438 |
| x | | 79079.735 | 901.070 | 24203.820 | 98039.429 | 173223.630 | 5218.141 | 85545.471 | 60078.684 | 22.917 |
| σ | | 466.469 | 11.728 | 83.912 | 272.446 | 1437.651 | 84.940 | 158.637 | 783.619 | 2.387 |
| %RSD | | 0.590 | 1.302 | 0.347 | 0.278 | 0.830 | 1.628 | 0.185 | 1.304 | 10.415 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:17:05 | 14745.106 | 398.443 | 3913.036 | 3001.878 | 185.939 | 39280.492 | 1598.527 | 15.625 | 39.063 |
| 2 | 18:18:13 | 14530.824 | 381.255 | 4111.529 | 3025.320 | 196.876 | 39097.178 | 1557.897 | 17.188 | 42.188 |
| 3 | 18:19:22 | 14671.593 | 423.444 | 4014.627 | 2789.335 | 210.939 | 39656.529 | 1542.271 | 18.750 | 29.688 |
| x | | 14649.174 | 401.047 | 4013.064 | 2938.844 | 197.918 | 39344.733 | 1566.232 | 17.188 | 36.979 |
| σ | | 108.886 | 21.215 | 99.256 | 130.009 | 12.533 | 285.155 | 29.039 | 1.563 | 6.505 |
| %RSD | | 0.743 | 5.290 | 2.473 | 4.424 | 6.332 | 0.725 | 1.854 | 9.091 | 17.592 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:17:05 | 442.194 | 182.814 | 154.688 | 209.897 | 50.000 | 50.000 | 145.834 | 22.917 | 16.146 |
| 2 | 18:18:13 | 426.569 | 201.564 | 164.063 | 192.189 | 45.313 | 45.313 | 150.001 | 17.188 | 22.396 |
| 3 | 18:19:22 | 376.567 | 196.876 | 164.063 | 229.689 | 45.313 | 45.313 | 163.022 | 16.146 | 24.479 |
| x | | 415.110 | 193.751 | 160.938 | 210.592 | 46.875 | 46.875 | 152.952 | 18.750 | 21.007 |
| σ | | 34.281 | 9.758 | 5.413 | 18.760 | 2.706 | 2.706 | 8.966 | 3.646 | 4.337 |
| %RSD | | 8.258 | 5.036 | 3.363 | 8.908 | 5.774 | 5.774 | 5.862 | 19.444 | 20.645 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:17:05 | 29.688 | 37.500 | 45.313 | 23.438 | 87.500 | 0.000 | 163802.490 | 123.438 | 4.688 |
| 2 | 18:18:13 | 32.813 | 51.563 | 32.813 | 26.563 | 82.813 | 4.688 | 165436.790 | 128.126 | 7.813 |
| 3 | 18:19:22 | 15.625 | 45.313 | 42.188 | 26.563 | 73.438 | 1.563 | 166057.990 | 134.376 | 4.688 |
| x | | 26.042 | 44.792 | 40.104 | 25.521 | 81.250 | 2.083 | 165099.090 | 128.646 | 5.729 |
| σ | | 9.155 | 7.046 | 6.505 | 1.804 | 7.160 | 2.387 | 1165.055 | 5.487 | 1.804 |
| %RSD | | 35.157 | 15.730 | 16.221 | 7.070 | 8.813 | 114.564 | 0.706 | 4.265 | 31.492 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:17:05 | 0.000 | 0.000 | 4.688 | 0.000 | 60.938 | 12.500 | 242.190 | 412.506 | 429039.490 |
| 2 | 18:18:13 | 0.000 | 0.000 | 10.938 | 0.000 | 54.688 | 14.063 | 218.752 | 400.006 | 441528.700 |
| 3 | 18:19:22 | 0.000 | 0.000 | 1.563 | 3.125 | 67.188 | 15.625 | 245.315 | 353.129 | 439526.160 |
| x | | 0.000 | 0.000 | 5.729 | 1.042 | 60.938 | 14.063 | 235.419 | 388.547 | 436698.120 |
| σ | | 0.000 | 0.000 | 4.774 | 1.804 | 6.250 | 1.563 | 14.518 | 31.303 | 6707.716 |
| %RSD | | 0.000 | 0.000 | 83.320 | 173.205 | 10.256 | 11.111 | 6.167 | 8.056 | 1.536 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:17:05 | 469223.660 | 29.688 | 43.750 | 73.438 | 37.500 | 131.251 | 426837.490 | 2739.325 |
| 2 | 18:18:13 | 475331.620 | 20.313 | 70.313 | 67.188 | 68.750 | 150.001 | 436021.180 | 2650.246 |
| 3 | 18:19:22 | 479745.870 | 26.563 | 64.063 | 73.438 | 65.625 | 153.126 | 436026.010 | 2645.557 |
| x | | 474767.050 | 25.521 | 59.375 | 71.354 | 57.292 | 144.792 | 432961.560 | 2678.376 |
| σ | | 5283.779 | 4.774 | 13.888 | 3.608 | 17.211 | 11.831 | 5303.601 | 52.835 |
| %RSD | | 1.113 | 18.704 | 23.390 | 5.057 | 30.041 | 8.171 | 1.225 | 1.973 |

**CCV** 05/01/2011 06:23:53 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:25:01 | 14477.645 | 26762.023 | 5166.559 | 320.316 | 20326581.000 | 13832438.000 | 1878584.900 | 2231870.000 | 3214702.200 |
| 2 | 18:26:09 | 14806.106 | 25690.788 | 5135.298 | 320.316 | 19710758.000 | 13257956.000 | 1807296.600 | 2164952.100 | 3090935.900 |
| 3 | 18:27:17 | 14239.906 | 26258.486 | 5038.388 | 334.379 | 19899927.000 | 13564009.000 | 1830003.700 | 2172613.100 | 3150771.000 |
| x | | 14507.886 | 26237.099 | 5113.415 | 325.004 | 19979089.000 | 13551468.000 | 1838628.400 | 2189811.700 | 3152136.400 |
| σ | | 284.309 | 535.938 | 66.829 | 8.119 | 315451.280 | 287446.100 | 36418.295 | 36624.375 | 61894.463 |
| %RSD | | 1.960 | 2.043 | 1.307 | 2.498 | 1.579 | 2.121 | 1.981 | 1.672 | 1.964 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:25:01 | 30111.228 | 159723.880 | 15386.406 | 68407.143 | 9253900.700 | 47100.235 | 703217.250 | 54277.918 | 22810.384 |
| 2 | 18:26:09 | 29342.036 | 153484.170 | 15242.502 | 68046.049 | 8919954.600 | 45234.258 | 678575.180 | 54506.912 | 22016.953 |
| 3 | 18:27:17 | 29378.915 | 154949.860 | 15245.631 | 69138.777 | 9088773.100 | 46763.841 | 691024.600 | 52971.465 | 22768.129 |
| x | | 29610.726 | 156052.640 | 15291.513 | 68530.656 | 9087542.800 | 46366.111 | 690939.010 | 53918.765 | 22531.822 |
| σ | | 433.839 | 3262.761 | 82.195 | 556.736 | 166976.430 | 994.540 | 12321.256 | 828.337 | 446.390 |
| %RSD | | 1.465 | 2.091 | 0.538 | 0.812 | 1.837 | 2.145 | 1.783 | 1.536 | 1.981 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:25:01 | 355077.380 | 334586.900 | 43859.412 | 1251206.800 | 943074.610 | 21510805.000 | 536298.220 | 404858.260 | 87166.685 |
| 2 | 18:26:09 | 343299.370 | 322902.270 | 42227.945 | 1208333.600 | 913254.190 | 20614429.000 | 516983.540 | 391567.260 | 85591.579 |
| 3 | 18:27:17 | 350750.560 | 329831.340 | 43125.934 | 1238407.200 | 928752.350 | 21254409.000 | 527212.220 | 399534.940 | 87724.773 |
| x | | 349709.100 | 329106.840 | 43071.097 | 1232649.200 | 928360.380 | 21126548.000 | 526831.330 | 398653.490 | 86827.679 |
| σ | | 5957.673 | 5875.910 | 817.115 | 22008.939 | 14914.077 | 461663.850 | 9662.972 | 6689.202 | 1106.265 |
| %RSD | | 1.704 | 1.785 | 1.897 | 1.785 | 1.606 | 2.185 | 1.834 | 1.678 | 1.274 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:25:01 | 446055.170 | 213281.890 | 158962.330 | 64261.397 | 4106.840 | 4106.840 | 13384.392 | 5770.436 | 22.396 |
| 2 | 18:26:09 | 422609.860 | 202954.940 | 155298.930 | 60924.951 | 3867.711 | 3867.711 | 12824.504 | 5647.470 | 20.313 |
| 3 | 18:27:17 | 433207.810 | 209867.820 | 158142.370 | 62747.397 | 4156.855 | 4156.855 | 13361.975 | 5684.985 | 22.917 |
| x | | 433957.610 | 208701.550 | 157467.880 | 62644.582 | 4043.802 | 4043.802 | 13190.290 | 5700.964 | 21.875 |
| σ | | 11740.630 | 5261.328 | 1922.585 | 1670.598 | 154.536 | 154.536 | 316.979 | 63.021 | 1.378 |
| %RSD | | 2.705 | 2.521 | 1.221 | 2.667 | 3.822 | 3.822 | 2.403 | 1.105 | 6.299 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:25:01 | 122743.810 | 131701.170 | 148983.770 | 82693.333 | 218522.700 | 3.125 | 146639.390 | 9595.409 | 411770.420 |
| 2 | 18:26:09 | 119215.680 | 128828.280 | 147532.890 | 82482.746 | 212725.240 | 1.563 | 148544.860 | 9131.042 | 403821.730 |
| 3 | 18:27:17 | 122260.000 | 132115.910 | 152062.840 | 83575.004 | 220136.260 | 4.688 | 144726.280 | 9575.083 | 411590.340 |
| x | | 121406.490 | 130881.790 | 149526.500 | 82917.028 | 217128.070 | 3.125 | 146636.840 | 9433.845 | 409060.830 |
| σ | | 1912.660 | 1790.441 | 2313.225 | 579.471 | 3897.376 | 1.563 | 1909.293 | 262.431 | 4538.091 |
| %RSD | | 1.575 | 1.368 | 1.547 | 0.699 | 1.795 | 50.000 | 1.302 | 2.782 | 1.109 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:25:01 | 6726.583 | 6726.583 | 403701.200 | 102280.460 | 276484.260 | 391992.750 | 361739.880 | 643343.750 | 402478.350 |
| 2 | 18:26:09 | 6779.733 | 6779.733 | 393829.760 | 100420.460 | 270835.390 | 386500.800 | 352569.530 | 626689.940 | 412019.640 |
| 3 | 18:27:17 | 6979.830 | 6979.830 | 402496.030 | 101918.520 | 278279.550 | 397133.410 | 361185.490 | 640823.230 | 404033.850 |
| x | | 6828.716 | 6828.716 | 400008.990 | 101539.810 | 275199.730 | 391875.660 | 358498.300 | 636952.310 | 406177.280 |
| σ | | 133.540 | 133.540 | 5385.198 | 986.135 | 3884.762 | 5317.270 | 5141.943 | 8976.381 | 5119.061 |
| %RSD | | 1.956 | 1.956 | 1.346 | 0.971 | 1.412 | 1.357 | 1.434 | 1.409 | 1.260 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:25:01 | 440897.140 | 828407.920 | 2003063.500 | 664586.940 | 623358.190 | 1479677.700 | 391732.640 | 3951425.800 |
| 2 | 18:26:09 | 452267.870 | 824331.990 | 1986559.300 | 656894.690 | 618469.630 | 1463030.800 | 403630.500 | 3850567.500 |
| 3 | 18:27:17 | 438202.030 | 838697.050 | 2027214.400 | 672024.610 | 637803.430 | 1504944.200 | 393158.520 | 3951528.500 |
| x | | 443789.010 | 830478.990 | 2005612.400 | 664502.080 | 626543.750 | 1482550.900 | 396173.880 | 3917840.600 |
| σ | | 7465.533 | 7403.089 | 20447.045 | 7565.315 | 10052.851 | 21103.854 | 6496.852 | 58260.215 |
| %RSD | | 1.682 | 0.891 | 1.019 | 1.138 | 1.604 | 1.423 | 1.640 | 1.487 |

**CCB** 05/01/2011 06:31:49 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:32:57 | 14763.875 | 24.479 | 139.063 | 200.001 | 140844.020 | 13055.963 | 1792.300 | 2045.459 | 2890.918 |
| 2 | 18:34:05 | 14934.365 | 21.875 | 103.125 | 225.002 | 134360.140 | 10497.606 | 1445.386 | 1787.612 | 2417.392 |
| 3 | 18:35:13 | 15025.085 | 10.938 | 101.563 | 232.814 | 125606.020 | 6417.066 | 859.401 | 1071.915 | 1557.897 |
| x | | 14907.775 | 19.097 | 114.584 | 219.273 | 133603.390 | 9990.212 | 1365.696 | 1634.995 | 2288.736 |
| σ | | 132.619 | 7.185 | 21.214 | 17.140 | 7647.130 | 3348.407 | 471.527 | 504.396 | 675.759 |
| %RSD | | 0.890 | 37.626 | 18.514 | 7.817 | 5.724 | 33.517 | 34.527 | 30.850 | 29.525 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:32:57 | 559.386 | 959.407 | 15397.356 | 69660.050 | 95648.824 | 45.313 | 1003.160 | 55120.196 | 48.438 |
| 2 | 18:34:05 | 531.260 | 909.404 | 15491.207 | 69722.855 | 92792.578 | 56.250 | 923.467 | 55424.495 | 70.313 |
| 3 | 18:35:13 | 543.760 | 960.970 | 15164.294 | 70250.431 | 88575.309 | 25.000 | 584.387 | 55537.432 | 65.625 |
| x | | 544.802 | 943.260 | 15350.952 | 69877.779 | 92338.904 | 42.188 | 837.005 | 55360.708 | 61.458 |
| σ | | 14.092 | 29.331 | 168.324 | 324.250 | 3558.513 | 15.858 | 222.373 | 215.808 | 11.517 |
| %RSD | | 2.587 | 3.110 | 1.097 | 0.464 | 3.854 | 37.589 | 26.568 | 0.390 | 18.740 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:32:57 | 9814.308 | 515.634 | 3184.730 | 3603.579 | 923.467 | 47956.923 | 1542.271 | 354.692 | 98.438 |
| 2 | 18:34:05 | 9309.282 | 535.948 | 3081.582 | 3326.950 | 818.773 | 44539.637 | 1493.828 | 314.066 | 73.438 |
| 3 | 18:35:13 | 9243.615 | 348.442 | 2998.752 | 3023.758 | 535.948 | 39177.083 | 1220.365 | 159.376 | 50.000 |
| x | | 9455.735 | 466.675 | 3088.355 | 3318.096 | 759.396 | 43891.214 | 1418.821 | 276.045 | 73.959 |
| σ | | 312.264 | 102.895 | 93.174 | 290.012 | 200.467 | 4425.690 | 173.567 | 103.060 | 24.223 |
| %RSD | | 3.302 | 22.049 | 3.017 | 8.740 | 26.398 | 10.083 | 12.233 | 37.334 | 32.752 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:32:57 | 451.570 | 178.126 | 182.814 | 151.563 | 34.375 | 34.375 | 151.042 | 25.000 | 17.188 |
| 2 | 18:34:05 | 339.067 | 150.001 | 181.251 | 136.980 | 31.250 | 31.250 | 134.896 | 19.271 | 19.271 |
| 3 | 18:35:13 | 242.190 | 110.938 | 156.251 | 115.105 | 37.500 | 37.500 | 120.834 | 19.271 | 12.500 |
| x | | 344.275 | 146.355 | 173.439 | 134.549 | 34.375 | 34.375 | 135.591 | 21.181 | 16.319 |
| σ | | 104.787 | 33.742 | 14.905 | 18.350 | 3.125 | 3.125 | 15.116 | 3.308 | 3.468 |
| %RSD | | 30.437 | 23.055 | 8.594 | 13.638 | 9.091 | 9.091 | 11.148 | 15.617 | 21.250 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:32:57 | 226.564 | 339.067 | 323.441 | 225.002 | 510.947 | 3.125 | 154927.750 | 95.313 | 504.696 |
| 2 | 18:34:05 | 151.563 | 229.689 | 221.877 | 151.563 | 375.005 | 3.125 | 156221.410 | 114.063 | 373.442 |
| 3 | 18:35:13 | 125.001 | 117.188 | 195.314 | 118.750 | 275.003 | 4.688 | 156110.840 | 137.501 | 139.063 |
| x | | 167.709 | 228.648 | 246.877 | 165.105 | 386.985 | 3.646 | 155753.330 | 115.625 | 339.067 |
| σ | | 52.672 | 110.943 | 67.623 | 54.405 | 118.427 | 0.902 | 717.110 | 21.137 | 185.225 |
| %RSD | | 31.407 | 48.521 | 27.392 | 32.952 | 30.603 | 24.744 | 0.460 | 18.281 | 54.628 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:32:57 | 10.938 | 10.938 | 493.759 | 85.938 | 482.821 | 806.273 | 357.817 | 584.387 | 420178.760 |
| 2 | 18:34:05 | 1.563 | 1.563 | 287.503 | 89.063 | 304.691 | 523.447 | 265.627 | 481.258 | 422450.560 |
| 3 | 18:35:13 | 4.688 | 4.688 | 160.938 | 40.625 | 253.127 | 389.068 | 132.813 | 289.065 | 426982.340 |
| x | | 5.729 | 5.729 | 314.067 | 71.875 | 346.880 | 572.929 | 252.086 | 451.570 | 423203.890 |
| σ | | 4.774 | 4.774 | 167.993 | 27.108 | 120.518 | 212.959 | 113.112 | 149.882 | 3463.785 |
| %RSD | | 83.320 | 83.320 | 53.489 | 37.716 | 34.744 | 37.170 | 44.870 | 33.191 | 0.818 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:32:57 | 453222.420 | 1045.351 | 2476.777 | 660.953 | 662.515 | 1495.391 | 416450.060 | 3286.316 |
| 2 | 18:34:05 | 459033.290 | 773.458 | 1807.927 | 521.885 | 520.322 | 1148.484 | 424985.030 | 2734.637 |
| 3 | 18:35:13 | 460878.810 | 315.628 | 1037.538 | 285.940 | 271.878 | 667.203 | 425609.460 | 1665.722 |
| x | | 457711.510 | 711.479 | 1774.081 | 489.593 | 484.905 | 1103.693 | 422348.180 | 2562.225 |
| σ | | 3995.673 | 368.788 | 720.216 | 189.580 | 197.713 | 415.907 | 5117.461 | 823.939 |
| %RSD | | 0.873 | 51.834 | 40.597 | 38.722 | 40.773 | 37.683 | 1.212 | 32.157 |

**C1868-17 MF3TA3** 05/01/2011 06:39:46 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:40:54 | 14096.013 | 11.979 | 8271.144 | 329.691 | 90385403.000 | 10051114.000 | 1364589.400 | 1608009.700 | 1740.731 |
| 2 | 18:42:02 | 14754.490 | 10.938 | 8955.931 | 395.318 | 96111620.000 | 10760424.000 | 1458866.200 | 1724791.600 | 1409.445 |
| 3 | 18:43:10 | 15785.279 | 8.333 | 9342.116 | 404.693 | 98049092.000 | 10992650.000 | 1489785.500 | 1770050.100 | 1289.121 |
| x | | 14878.594 | 10.417 | 8856.397 | 376.568 | 94848705.000 | 10601396.000 | 1437747.100 | 1700950.500 | 1479.765 |
| σ | | 851.443 | 1.878 | 542.380 | 40.866 | 3984877.600 | 490499.470 | 65215.286 | 83609.640 | 233.873 |
| %RSD | | 5.723 | 18.028 | 6.124 | 10.852 | 4.201 | 4.627 | 4.536 | 4.915 | 15.805 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:40:54 | 1390153.300 | 1021.912 | 75059.169 | 655740.300 | 2434930.700 | 122151.260 | 2116945.200 | 51591.428 | 114.063 |
| 2 | 18:42:02 | 1434442.900 | 993.785 | 79948.085 | 680823.780 | 2612596.400 | 130695.120 | 2253951.800 | 52960.487 | 96.875 |
| 3 | 18:43:10 | 1422160.600 | 1045.351 | 82677.618 | 691588.430 | 2667885.600 | 131333.750 | 2306942.800 | 57048.055 | 126.563 |
| x | | 1415585.600 | 1020.349 | 79228.291 | 676050.840 | 2571804.300 | 128060.040 | 2225946.600 | 53866.657 | 112.500 |
| σ | | 22865.156 | 25.819 | 3859.892 | 18394.502 | 121716.870 | 5127.110 | 98045.851 | 2838.935 | 14.905 |
| %RSD | | 1.615 | 2.530 | 4.872 | 2.721 | 4.733 | 4.004 | 4.405 | 5.270 | 13.249 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:40:54 | 61298.418 | 1836.056 | 20666.500 | 2765.893 | 848.463 | 43008.393 | 10608.625 | 353.129 | 487.508 |
| 2 | 18:42:02 | 67182.602 | 2022.018 | 23250.155 | 2722.134 | 739.082 | 42992.721 | 11726.686 | 340.629 | 596.887 |
| 3 | 18:43:10 | 71451.679 | 1950.133 | 23981.049 | 2886.229 | 712.518 | 43398.633 | 12259.946 | 301.566 | 596.887 |
| x | | 66644.233 | 1936.069 | 22632.568 | 2791.419 | 766.687 | 43133.249 | 11531.752 | 331.775 | 560.428 |
| σ | | 5097.995 | 93.776 | 1741.441 | 84.973 | 72.054 | 229.963 | 842.742 | 26.898 | 63.150 |
| %RSD | | 7.650 | 4.844 | 7.694 | 3.044 | 9.398 | 0.533 | 7.308 | 8.107 | 11.268 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:40:54 | 129358.030 | 62552.273 | 1081.291 | 5441.661 | 248.440 | 248.440 | 129.167 | 31.771 | 21.875 |
| 2 | 18:42:02 | 138724.990 | 67394.534 | 1050.039 | 5893.403 | 276.565 | 276.565 | 131.771 | 29.167 | 15.625 |
| 3 | 18:43:10 | 141001.810 | 67978.541 | 1082.853 | 6002.823 | 295.316 | 295.316 | 134.376 | 34.375 | 14.583 |
| x | | 136361.610 | 65975.116 | 1071.394 | 5779.296 | 273.440 | 273.440 | 131.771 | 31.771 | 17.361 |
| σ | | 6171.189 | 2978.617 | 18.511 | 297.474 | 23.594 | 23.594 | 2.604 | 2.604 | 3.944 |
| %RSD | | 4.526 | 4.515 | 1.728 | 5.147 | 8.628 | 8.628 | 1.976 | 8.197 | 22.716 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:40:54 | 596.887 | 76.563 | 165.626 | 54.688 | 145.313 | 3.125 | 132254.690 | 101.563 | 125.001 |
| 2 | 18:42:02 | 296.878 | 73.438 | 121.876 | 40.625 | 132.813 | 4.688 | 137177.340 | 93.750 | 84.375 |
| 3 | 18:43:10 | 214.064 | 42.188 | 65.625 | 60.938 | 95.313 | 3.125 | 146694.640 | 120.313 | 57.813 |
| x | | 369.277 | 64.063 | 117.709 | 52.083 | 124.480 | 3.646 | 138708.890 | 105.209 | 89.063 |
| σ | | 201.419 | 19.009 | 50.130 | 10.404 | 26.021 | 0.902 | 7340.797 | 13.652 | 33.838 |
| %RSD | | 54.544 | 29.672 | 42.588 | 19.975 | 20.904 | 24.744 | 5.292 | 12.976 | 37.994 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:40:54 | 7.813 | 7.813 | 123.438 | 43.750 | 312.503 | 281.253 | 4378.796 | 7647.359 | 376564.080 |
| 2 | 18:42:02 | 3.125 | 3.125 | 75.000 | 32.813 | 315.628 | 257.815 | 4732.034 | 8261.763 | 389053.070 |
| 3 | 18:43:10 | 3.125 | 3.125 | 64.063 | 31.250 | 239.065 | 260.940 | 4647.631 | 8105.424 | 417328.260 |
| x | | 4.688 | 4.688 | 87.500 | 35.938 | 289.065 | 266.669 | 4586.154 | 8004.849 | 394315.140 |
| σ | | 2.706 | 2.706 | 31.600 | 6.811 | 43.330 | 12.726 | 184.469 | 319.311 | 20885.318 |
| %RSD | | 57.735 | 57.735 | 36.114 | 18.952 | 14.990 | 4.772 | 4.022 | 3.989 | 5.297 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:40:54 | 404737.730 | 335.941 | 885.965 | 24813.719 | 20949.725 | 51948.970 | 351085.200 | 1434.447 |
| 2 | 18:42:02 | 424898.130 | 226.564 | 535.948 | 26926.916 | 22935.584 | 55629.979 | 368156.970 | 1060.977 |
| 3 | 18:43:10 | 456555.770 | 210.939 | 448.445 | 26840.816 | 22926.194 | 57080.999 | 397271.550 | 840.650 |
| x | | 428730.540 | 257.815 | 623.452 | 26193.817 | 22270.501 | 54886.649 | 372171.240 | 1112.025 |
| σ | | 26120.733 | 68.109 | 231.514 | 1195.975 | 1143.835 | 2645.531 | 23353.383 | 300.172 |
| %RSD | | 6.093 | 26.418 | 37.134 | 4.566 | 5.136 | 4.820 | 6.275 | 26.993 |

**C1868-18 MF3TE6** 05/01/2011 06:47:43 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:48:51 | 16026.172 | 10.938 | 10899.469 | 428.131 | 160102760.000 | 25223236.000 | 3424763.900 | 4057352.200 | 11903.156 |
| 2 | 18:49:59 | 16148.184 | 6.250 | 11463.973 | 368.755 | 160497160.000 | 25589045.000 | 3453068.900 | 4125799.200 | 11434.651 |
| 3 | 18:51:07 | 16717.589 | 4.167 | 11066.785 | 398.443 | 159381910.000 | 24921240.000 | 3394524.000 | 4046276.800 | 10981.851 |
| x | | 16297.315 | 7.118 | 11143.409 | 398.443 | 159993940.000 | 25244507.000 | 3424119.000 | 4076476.100 | 11439.886 |
| σ | | 369.045 | 3.468 | 289.948 | 29.688 | 565531.160 | 334410.450 | 29277.780 | 43072.515 | 460.675 |
| %RSD | | 2.264 | 48.719 | 2.602 | 7.451 | 0.353 | 1.325 | 0.855 | 1.057 | 4.027 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:48:51 | 1313673.900 | 800.022 | 525469.290 | 714270.890 | 3469510.900 | 358266.890 | 5799044.400 | 63957.502 | 115.625 |
| 2 | 18:49:59 | 1341814.600 | 801.585 | 536698.840 | 737028.000 | 3537284.700 | 367128.130 | 5970324.300 | 64954.078 | 112.500 |
| 3 | 18:51:07 | 1312976.500 | 787.522 | 522374.460 | 732027.340 | 3468031.200 | 354106.540 | 5794009.500 | 64817.521 | 112.500 |
| x | | 1322821.700 | 796.376 | 528180.860 | 727775.410 | 3491608.900 | 359833.860 | 5854459.400 | 64576.367 | 113.542 |
| σ | | 16452.066 | 7.708 | 7537.334 | 11959.546 | 39563.298 | 6650.709 | 100373.540 | 540.284 | 1.804 |
| %RSD | | 1.244 | 0.968 | 1.427 | 1.643 | 1.133 | 1.848 | 1.714 | 0.837 | 1.589 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:48:51 | 88487.266 | 954.719 | 22381.582 | 4280.329 | 1551.647 | 78491.604 | 29776.312 | 506.259 | 785.959 |
| 2 | 18:49:59 | 91366.241 | 892.215 | 23057.655 | 4406.930 | 1476.639 | 80344.047 | 30476.223 | 492.196 | 770.333 |
| 3 | 18:51:07 | 93745.645 | 896.903 | 23655.507 | 4306.899 | 1465.700 | 79079.207 | 30230.389 | 520.322 | 689.079 |
| x | | 91199.718 | 914.613 | 23031.581 | 4331.386 | 1497.995 | 79304.953 | 30160.975 | 506.259 | 748.457 |
| σ | | 2633.142 | 34.812 | 637.363 | 66.758 | 46.784 | 946.629 | 355.081 | 14.063 | 52.013 |
| %RSD | | 2.887 | 3.806 | 2.767 | 1.541 | 3.123 | 1.194 | 1.177 | 2.778 | 6.949 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:48:51 | 58609.042 | 27723.750 | 11151.226 | 1863.663 | 607.825 | 607.825 | 1027.120 | 477.091 | 13.542 |
| 2 | 18:49:59 | 59721.447 | 28689.717 | 11151.226 | 1845.953 | 603.138 | 603.138 | 1017.745 | 479.175 | 23.438 |
| 3 | 18:51:07 | 57520.255 | 28396.946 | 10850.994 | 1804.802 | 635.952 | 635.952 | 1000.556 | 472.924 | 17.188 |
| x | | 58616.915 | 28270.138 | 11051.149 | 1838.139 | 615.638 | 615.638 | 1015.140 | 476.397 | 18.056 |
| σ | | 1100.617 | 495.311 | 173.338 | 30.199 | 17.747 | 17.747 | 13.472 | 3.182 | 5.005 |
| %RSD | | 1.878 | 1.752 | 1.569 | 1.643 | 2.883 | 2.883 | 1.327 | 0.668 | 27.718 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:48:51 | 1840.865 | 289.065 | 315.628 | 203.126 | 448.445 | 1.563 | 142257.920 | 100.000 | 137.501 |
| 2 | 18:49:59 | 1437.911 | 279.690 | 323.441 | 234.377 | 415.631 | 4.688 | 142546.720 | 123.438 | 100.000 |
| 3 | 18:51:07 | 1455.584 | 296.878 | 282.815 | 250.002 | 403.131 | 0.000 | 146241.590 | 114.063 | 84.375 |
| x | | 1578.120 | 288.545 | 307.295 | 229.169 | 422.402 | 2.083 | 143682.080 | 112.500 | 107.292 |
| σ | | 227.715 | 8.606 | 21.557 | 23.868 | 23.403 | 2.387 | 2221.305 | 11.797 | 27.303 |
| %RSD | | 14.430 | 2.982 | 7.015 | 10.415 | 5.541 | 114.564 | 1.546 | 10.486 | 25.447 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:48:51 | 3.125 | 3.125 | 112.500 | 23.438 | 485.946 | 412.506 | 6559.318 | 11338.873 | 408611.320 |
| 2 | 18:49:59 | 0.000 | 0.000 | 98.438 | 15.625 | 443.757 | 354.692 | 6553.065 | 11398.295 | 408727.060 |
| 3 | 18:51:07 | 1.563 | 1.563 | 73.438 | 28.125 | 489.071 | 315.628 | 6171.645 | 11335.746 | 418007.050 |
| x | | 1.563 | 1.563 | 94.792 | 22.396 | 472.925 | 360.942 | 6428.010 | 11357.638 | 411781.810 |
| σ | | 1.563 | 1.563 | 19.785 | 6.315 | 25.308 | 48.740 | 222.040 | 35.245 | 5391.529 |
| %RSD | | 100.000 | 100.000 | 20.872 | 28.196 | 5.351 | 13.504 | 3.454 | 0.310 | 1.309 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:48:51 | 443455.790 | 159.376 | 445.319 | 9887.796 | 8751.117 | 21470.810 | 377404.580 | 77583.539 |
| 2 | 18:49:59 | 440674.810 | 93.750 | 312.503 | 10239.606 | 8777.696 | 21847.944 | 382304.180 | 79022.645 |
| 3 | 18:51:07 | 457960.610 | 112.500 | 218.752 | 10051.973 | 8851.179 | 21002.928 | 392150.110 | 77080.829 |
| x | | 447363.740 | 121.876 | 325.525 | 10059.791 | 8793.331 | 21440.561 | 383952.960 | 77895.671 |
| σ | | 9281.907 | 33.802 | 113.844 | 176.035 | 51.831 | 423.319 | 7509.761 | 1007.835 |
| %RSD | | 2.075 | 27.735 | 34.972 | 1.750 | 0.589 | 1.974 | 1.956 | 1.294 |

**C1868-19 MF3TE9** 05/01/2011 06:55:40 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:56:48 | 16049.636 | 6.250 | 14416.646 | 315.628 | 124447780.000 | 14437551.000 | 1956370.000 | 2324152.800 | 2922.174 |
| 2 | 18:57:56 | 15893.211 | 3.646 | 14188.292 | 348.442 | 124461550.000 | 14407867.000 | 1955081.000 | 2319498.000 | 2745.576 |
| 3 | 18:59:04 | 16227.962 | 4.688 | 14471.389 | 407.818 | 124178420.000 | 14420115.000 | 1954820.100 | 2333961.800 | 2765.893 |
| x | | 16056.936 | 4.861 | 14358.776 | 357.296 | 124362590.000 | 14421844.000 | 1955423.700 | 2325870.900 | 2811.214 |
| σ | | 167.495 | 1.311 | 150.159 | 46.728 | 159637.390 | 14917.673 | 829.874 | 7383.372 | 96.629 |
| %RSD | | 1.043 | 26.964 | 1.046 | 13.078 | 0.128 | 0.103 | 0.042 | 0.317 | 3.437 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:56:48 | 1622202.400 | 773.458 | 329941.660 | 658791.620 | 1819047.600 | 146066.380 | 2535705.300 | 55753.898 | 132.813 |
| 2 | 18:57:56 | 1602953.700 | 803.148 | 330283.800 | 668443.580 | 1807440.700 | 143692.480 | 2526045.800 | 56492.730 | 112.500 |
| 3 | 18:59:04 | 1628007.200 | 720.331 | 331321.480 | 674768.250 | 1818440.000 | 147215.580 | 2529687.600 | 57959.525 | 115.625 |
| x | | 1617721.100 | 765.646 | 330515.650 | 667334.480 | 1814976.100 | 145658.150 | 2530479.600 | 56735.384 | 120.313 |
| σ | | 13114.151 | 41.958 | 718.536 | 8045.856 | 6532.937 | 1796.676 | 4878.166 | 1122.657 | 10.938 |
| %RSD | | 0.811 | 5.480 | 0.217 | 1.206 | 0.360 | 1.233 | 0.193 | 1.979 | 9.091 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:56:48 | 117621.290 | 1162.547 | 24024.872 | 3058.140 | 1511.017 | 46563.261 | 13506.382 | 318.754 | 425.006 |
| 2 | 18:57:56 | 120778.730 | 1193.800 | 25751.314 | 2898.732 | 1417.258 | 45632.139 | 12536.749 | 273.440 | 395.318 |
| 3 | 18:59:04 | 124477.460 | 1217.239 | 26220.917 | 2794.023 | 1515.705 | 45323.346 | 12944.925 | 300.003 | 437.507 |
| x | | 120959.160 | 1191.196 | 25332.368 | 2916.965 | 1481.327 | 45839.582 | 12996.018 | 297.399 | 419.277 |
| σ | | 3431.642 | 27.439 | 1156.412 | 132.999 | 55.535 | 645.463 | 486.832 | 22.769 | 21.670 |
| %RSD | | 2.837 | 2.303 | 4.565 | 4.559 | 3.749 | 1.408 | 3.746 | 7.656 | 5.168 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:56:48 | 2211.109 | 1054.726 | 7503.533 | 2529.912 | 428.131 | 428.131 | 550.011 | 256.773 | 21.875 |
| 2 | 18:57:56 | 2070.463 | 1035.975 | 7520.729 | 2511.158 | 476.570 | 476.570 | 569.282 | 244.794 | 21.875 |
| 3 | 18:59:04 | 2042.334 | 965.658 | 7636.416 | 2555.958 | 434.382 | 434.382 | 549.490 | 270.836 | 21.354 |
| x | | 2107.968 | 1018.786 | 7553.559 | 2532.343 | 446.361 | 446.361 | 556.261 | 257.468 | 21.701 |
| σ | | 90.423 | 46.956 | 72.269 | 22.499 | 26.348 | 26.348 | 11.280 | 13.035 | 0.301 |
| %RSD | | 4.290 | 4.609 | 0.957 | 0.888 | 5.903 | 5.903 | 2.028 | 5.063 | 1.386 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:56:48 | 1105.650 | 556.261 | 700.017 | 381.255 | 956.282 | 1.563 | 144549.500 | 93.750 | 109.375 |
| 2 | 18:57:56 | 741.577 | 585.950 | 637.514 | 364.067 | 932.843 | 3.125 | 145370.270 | 93.750 | 64.063 |
| 3 | 18:59:04 | 508.288 | 603.138 | 642.202 | 392.193 | 943.781 | 1.563 | 147311.880 | 121.876 | 31.250 |
| x | | 785.172 | 581.783 | 659.911 | 379.172 | 944.302 | 2.083 | 145743.880 | 103.125 | 68.229 |
| σ | | 301.058 | 23.715 | 34.812 | 14.178 | 11.728 | 0.902 | 1418.582 | 16.238 | 39.229 |
| %RSD | | 38.343 | 4.076 | 5.275 | 3.739 | 1.242 | 43.301 | 0.973 | 15.746 | 57.496 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:56:48 | 3.125 | 3.125 | 90.625 | 14.063 | 140.626 | 126.563 | 3952.109 | 6956.381 | 418669.790 |
| 2 | 18:57:56 | 1.563 | 1.563 | 62.500 | 17.188 | 128.126 | 121.876 | 4006.812 | 7018.911 | 418864.440 |
| 3 | 18:59:04 | 6.250 | 6.250 | 50.000 | 14.063 | 106.250 | 117.188 | 3833.327 | 7219.011 | 423929.350 |
| x | | 3.646 | 3.646 | 67.709 | 15.104 | 125.001 | 121.876 | 3930.749 | 7064.768 | 420487.860 |
| σ | | 2.387 | 2.387 | 20.807 | 1.804 | 17.399 | 4.688 | 88.693 | 137.189 | 2982.006 |
| %RSD | | 65.465 | 65.465 | 30.731 | 11.945 | 13.919 | 3.846 | 2.256 | 1.942 | 0.709 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 18:56:48 | 453070.850 | 117.188 | 279.690 | 2828.405 | 2431.457 | 5679.254 | 393091.070 | 73000.103 |
| 2 | 18:57:56 | 454109.300 | 54.688 | 143.751 | 2772.144 | 2225.173 | 5762.099 | 400934.270 | 73391.161 |
| 3 | 18:59:04 | 460454.510 | 37.500 | 103.125 | 2689.316 | 2375.197 | 5613.603 | 404051.530 | 74231.423 |
| x | | 455878.220 | 69.792 | 175.522 | 2763.288 | 2343.943 | 5684.985 | 399358.960 | 73540.896 |
| σ | | 3997.052 | 41.936 | 92.471 | 69.966 | 106.634 | 74.414 | 5647.485 | 629.168 |
| %RSD | | 0.877 | 60.088 | 52.683 | 2.532 | 4.549 | 1.309 | 1.414 | 0.856 |

**C1868-20 MF3TF0** 05/01/2011 07:03:37 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:04:45 | 17734.439 | 2.083 | 8313.356 | 537.510 | 87001602.000 | 18484553.000 | 2514041.000 | 2983512.100 | 2135.229 |
| 2 | 19:05:53 | 18053.588 | 3.646 | 8749.554 | 509.384 | 87535945.000 | 18497645.000 | 2524534.300 | 3024656.700 | 976.596 |
| 3 | 19:07:01 | 18263.229 | 4.167 | 8671.381 | 554.698 | 87137796.000 | 18635280.000 | 2521390.500 | 2984957.900 | 1012.536 |
| x | | 18017.085 | 3.299 | 8578.097 | 533.864 | 87225114.000 | 18539159.000 | 2519988.600 | 2997708.900 | 1374.787 |
| σ | | 266.278 | 1.084 | 232.580 | 22.876 | 277666.890 | 83499.994 | 5385.275 | 23348.666 | 658.807 |
| %RSD | | 1.478 | 32.868 | 2.711 | 4.285 | 0.318 | 0.450 | 0.214 | 0.779 | 47.921 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:04:45 | 1380307.500 | 804.710 | 270763.740 | 744389.070 | 3316794.800 | 302008.710 | 4898550.200 | 67679.408 | 114.063 |
| 2 | 19:05:53 | 1378521.800 | 796.897 | 271590.150 | 760004.940 | 3324955.700 | 306804.470 | 4933557.600 | 66720.603 | 117.188 |
| 3 | 19:07:01 | 1380743.700 | 884.402 | 271798.740 | 760202.550 | 3285279.300 | 303699.300 | 4968729.900 | 67229.060 | 120.313 |
| x | | 1379857.700 | 828.670 | 271384.210 | 754865.520 | 3309009.900 | 304170.830 | 4933612.600 | 67209.691 | 117.188 |
| σ | | 1177.254 | 48.424 | 547.371 | 9073.408 | 20952.457 | 2432.403 | 35089.871 | 479.696 | 3.125 |
| %RSD | | 0.085 | 5.844 | 0.202 | 1.202 | 0.633 | 0.800 | 0.711 | 0.714 | 2.667 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:04:45 | 101493.630 | 1282.870 | 26224.047 | 2715.883 | 471.883 | 48933.664 | 25862.452 | 445.319 | 593.762 |
| 2 | 19:05:53 | 105842.210 | 1250.055 | 27800.462 | 2678.376 | 418.756 | 48519.756 | 25749.748 | 482.821 | 609.388 |
| 3 | 19:07:01 | 107177.100 | 1371.941 | 28221.599 | 2673.688 | 478.133 | 49079.476 | 25478.951 | 440.632 | 589.075 |
| x | | 104837.650 | 1301.622 | 27415.369 | 2689.316 | 456.257 | 48844.299 | 25697.050 | 456.257 | 597.408 |
| σ | | 2971.921 | 63.070 | 1052.984 | 23.127 | 32.627 | 290.364 | 197.107 | 23.124 | 10.636 |
| %RSD | | 2.835 | 4.845 | 3.841 | 0.860 | 7.151 | 0.594 | 0.767 | 5.068 | 1.780 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:04:45 | 1242.242 | 609.388 | 1357.877 | 1847.515 | 478.133 | 478.133 | 584.387 | 294.274 | 25.000 |
| 2 | 19:05:53 | 1298.497 | 656.265 | 1361.002 | 1901.689 | 523.447 | 523.447 | 582.824 | 302.087 | 20.833 |
| 3 | 19:07:01 | 1165.673 | 673.453 | 1314.123 | 1832.409 | 537.510 | 537.510 | 586.470 | 311.983 | 19.792 |
| x | | 1235.470 | 646.369 | 1344.334 | 1860.538 | 513.030 | 513.030 | 584.561 | 302.781 | 21.875 |
| σ | | 66.670 | 33.159 | 26.210 | 36.430 | 31.029 | 31.029 | 1.829 | 8.875 | 2.756 |
| %RSD | | 5.396 | 5.130 | 1.950 | 1.958 | 6.048 | 6.048 | 0.313 | 2.931 | 12.599 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:04:45 | 2063.551 | 312.503 | 237.502 | 210.939 | 434.382 | 0.000 | 150944.820 | 112.500 | 56.250 |
| 2 | 19:05:53 | 2151.918 | 260.940 | 295.316 | 170.314 | 412.506 | 3.125 | 149400.590 | 120.313 | 45.313 |
| 3 | 19:07:01 | 1204.622 | 240.627 | 292.190 | 185.939 | 403.131 | 1.563 | 150079.530 | 103.125 | 37.500 |
| x | | 1806.697 | 271.357 | 275.003 | 189.064 | 416.673 | 1.563 | 150141.650 | 111.980 | 46.354 |
| σ | | 523.281 | 37.053 | 32.514 | 20.492 | 16.037 | 1.563 | 773.987 | 8.606 | 9.418 |
| %RSD | | 28.963 | 13.655 | 11.823 | 10.839 | 3.849 | 100.000 | 0.516 | 7.685 | 20.318 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:04:45 | 0.000 | 0.000 | 51.563 | 4.688 | 117.188 | 82.813 | 7433.183 | 12904.263 | 420774.030 |
| 2 | 19:05:53 | 1.563 | 1.563 | 64.063 | 4.688 | 67.188 | 84.375 | 7236.207 | 13176.386 | 421916.370 |
| 3 | 19:07:01 | 3.125 | 3.125 | 40.625 | 1.563 | 85.938 | 68.750 | 7158.043 | 12722.850 | 421615.490 |
| x | | 1.563 | 1.563 | 52.083 | 3.646 | 90.104 | 78.646 | 7275.811 | 12934.500 | 421435.290 |
| σ | | 1.563 | 1.563 | 11.727 | 1.804 | 25.259 | 8.606 | 141.781 | 228.275 | 592.103 |
| %RSD | | 100.000 | 100.000 | 22.517 | 49.487 | 28.033 | 10.942 | 1.949 | 1.765 | 0.140 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:04:45 | 453959.330 | 31.250 | 103.125 | 473.445 | 467.195 | 1046.913 | 394780.460 | 80397.472 |
| 2 | 19:05:53 | 459605.960 | 35.938 | 89.063 | 509.384 | 434.382 | 1048.476 | 395601.140 | 81266.430 |
| 3 | 19:07:01 | 458413.870 | 35.938 | 62.500 | 462.507 | 495.321 | 1015.661 | 396588.910 | 80419.470 |
| x | | 457326.390 | 34.375 | 84.896 | 481.779 | 465.633 | 1037.017 | 395656.840 | 80694.457 |
| σ | | 2976.248 | 2.706 | 20.631 | 24.524 | 30.500 | 18.511 | 905.507 | 495.465 |
| %RSD | | 0.651 | 7.873 | 24.301 | 5.090 | 6.550 | 1.785 | 0.229 | 0.614 |

**C1868-17X25 MF3TA3** 05/01/2011 07:11:35 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:12:43 | 17964.413 | 1.563 | 759.395 | 256.252 | 4757341.800 | 524591.160 | 68601.823 | 82126.012 | 510.947 |
| 2 | 19:13:51 | 18324.245 | 2.083 | 690.642 | 282.815 | 4768819.600 | 525548.320 | 69038.293 | 81525.714 | 503.134 |
| 3 | 19:14:59 | 18077.055 | 1.563 | 639.077 | 292.190 | 4822548.000 | 526898.080 | 68804.356 | 83180.525 | 479.696 |
| x | | 18121.904 | 1.736 | 696.371 | 277.086 | 4782903.100 | 525679.190 | 68814.824 | 82277.417 | 497.925 |
| σ | | 184.061 | 0.301 | 60.363 | 18.642 | 34809.761 | 1159.014 | 218.423 | 837.730 | 16.264 |
| %RSD | | 1.016 | 17.321 | 8.668 | 6.728 | 0.728 | 0.220 | 0.317 | 1.018 | 3.266 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:12:43 | 66460.486 | 898.466 | 20103.197 | 118782.400 | 211547.000 | 6196.656 | 101550.280 | 64649.077 | 25.000 |
| 2 | 19:13:51 | 67013.058 | 917.217 | 19564.951 | 115808.130 | 210990.420 | 6188.840 | 102713.240 | 65804.334 | 6.250 |
| 3 | 19:14:59 | 68177.926 | 1048.476 | 20093.809 | 115219.020 | 211665.930 | 6263.873 | 104235.140 | 66079.035 | 23.438 |
| x | | 67217.157 | 954.720 | 19920.653 | 116603.190 | 211401.120 | 6216.457 | 102832.890 | 65510.816 | 18.229 |
| σ | | 876.722 | 81.735 | 308.082 | 1910.106 | 360.609 | 41.249 | 1346.422 | 758.821 | 10.404 |
| %RSD | | 1.304 | 8.561 | 1.547 | 1.638 | 0.171 | 0.664 | 1.309 | 1.158 | 57.071 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:12:43 | 22211.003 | 440.632 | 7344.075 | 3145.659 | 184.376 | 41300.239 | 1617.279 | 14.063 | 60.938 |
| 2 | 19:13:51 | 21153.149 | 439.069 | 7139.284 | 3231.616 | 196.876 | 41387.992 | 1762.609 | 25.000 | 32.813 |
| 3 | 19:14:59 | 20480.295 | 445.319 | 6898.540 | 3195.670 | 221.877 | 41806.395 | 1786.049 | 20.313 | 50.000 |
| x | | 21281.482 | 441.673 | 7127.300 | 3190.981 | 201.043 | 41498.209 | 1721.979 | 19.792 | 47.917 |
| σ | | 872.462 | 3.253 | 223.009 | 43.170 | 19.094 | 270.480 | 91.427 | 5.487 | 14.178 |
| %RSD | | 4.100 | 0.736 | 3.129 | 1.353 | 9.498 | 0.652 | 5.309 | 27.725 | 29.588 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:12:43 | 6767.228 | 3170.664 | 118.750 | 444.799 | 79.688 | 79.688 | 157.293 | 20.833 | 27.604 |
| 2 | 19:13:51 | 6887.598 | 3275.375 | 112.500 | 427.090 | 51.563 | 51.563 | 145.834 | 16.146 | 25.000 |
| 3 | 19:14:59 | 7043.924 | 3236.304 | 87.500 | 434.382 | 68.750 | 68.750 | 143.230 | 25.000 | 17.188 |
| x | | 6899.583 | 3227.448 | 106.250 | 435.423 | 66.667 | 66.667 | 148.786 | 20.660 | 23.264 |
| σ | | 138.737 | 52.914 | 16.536 | 8.900 | 14.178 | 14.178 | 7.481 | 4.430 | 5.421 |
| %RSD | | 2.011 | 1.640 | 15.563 | 2.044 | 21.267 | 21.267 | 5.028 | 21.441 | 23.302 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:12:43 | 10.938 | 7.813 | 14.063 | 4.688 | 18.750 | 1.563 | 178990.900 | 140.626 | 4.688 |
| 2 | 19:13:51 | 12.500 | 6.250 | 7.813 | 10.938 | 9.375 | 4.688 | 180721.870 | 159.376 | 1.563 |
| 3 | 19:14:59 | 10.938 | 7.813 | 6.250 | 14.063 | 3.125 | 1.563 | 181539.950 | 110.938 | 3.125 |
| x | | 11.458 | 7.292 | 9.375 | 9.896 | 10.417 | 2.604 | 180417.570 | 136.980 | 3.125 |
| σ | | 0.902 | 0.902 | 4.134 | 4.774 | 7.864 | 1.804 | 1301.484 | 24.424 | 1.563 |
| %RSD | | 7.873 | 12.372 | 44.096 | 48.238 | 75.498 | 69.282 | 0.721 | 17.830 | 50.000 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:12:43 | 0.000 | 0.000 | 1.563 | 1.563 | 87.500 | 9.375 | 220.314 | 343.754 | 464751.280 |
| 2 | 19:13:51 | 0.000 | 0.000 | 9.375 | 0.000 | 60.938 | 21.875 | 206.251 | 346.879 | 465627.570 |
| 3 | 19:14:59 | 0.000 | 0.000 | 0.000 | 3.125 | 62.500 | 25.000 | 207.814 | 382.818 | 471595.170 |
| x | | 0.000 | 0.000 | 3.646 | 1.563 | 70.313 | 18.750 | 211.460 | 357.817 | 467324.670 |
| σ | | 0.000 | 0.000 | 5.023 | 1.563 | 14.905 | 8.268 | 7.708 | 21.707 | 3724.224 |
| %RSD | | 0.000 | 0.000 | 137.766 | 100.000 | 21.199 | 44.096 | 3.645 | 6.067 | 0.797 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:12:43 | 498294.570 | 10.938 | 34.375 | 1173.486 | 1012.536 | 2650.246 | 451521.370 | 28.125 |
| 2 | 19:13:51 | 505455.280 | 14.063 | 40.625 | 1234.428 | 1060.977 | 2629.930 | 460580.350 | 10.938 |
| 3 | 19:14:59 | 507923.360 | 9.375 | 32.813 | 1190.675 | 1110.981 | 2689.316 | 464220.370 | 17.188 |
| x | | 503891.070 | 11.458 | 35.938 | 1199.530 | 1061.498 | 2656.497 | 458774.030 | 18.750 |
| σ | | 5001.346 | 2.387 | 4.134 | 31.421 | 49.224 | 30.183 | 6539.360 | 8.700 |
| %RSD | | 0.993 | 20.830 | 11.503 | 2.619 | 4.637 | 1.136 | 1.425 | 46.398 |

**C1868-18X25 MF3TE6** 05/01/2011 07:19:32 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:20:41 | 17545.143 | 3.125 | 651.577 | 301.566 | 8017217.100 | 1252674.100 | 164467.880 | 197420.380 | 860.963 |
| 2 | 19:21:48 | 17992.574 | 1.042 | 759.395 | 278.128 | 7973676.600 | 1247305.800 | 164610.130 | 197531.270 | 923.467 |
| 3 | 19:22:57 | 18081.748 | 3.125 | 673.453 | 273.440 | 8028182.500 | 1255063.100 | 164393.600 | 197968.510 | 985.972 |
| x | | 17873.155 | 2.431 | 694.809 | 284.378 | 8006358.700 | 1251681.000 | 164490.540 | 197640.060 | 923.467 |
| σ | | 287.545 | 1.203 | 56.993 | 15.069 | 28829.647 | 3972.856 | 110.031 | 289.806 | 62.504 |
| %RSD | | 1.609 | 49.487 | 8.203 | 5.299 | 0.360 | 0.317 | 0.067 | 0.147 | 6.768 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:20:41 | 63625.748 | 948.469 | 40165.761 | 110103.920 | 254845.200 | 16270.197 | 272392.710 | 64220.589 | 23.438 |
| 2 | 19:21:48 | 66177.929 | 960.970 | 40280.145 | 109867.740 | 255920.420 | 16334.333 | 272744.640 | 65206.289 | 14.063 |
| 3 | 19:22:57 | 66074.326 | 873.464 | 40513.616 | 110396.790 | 255624.570 | 16532.999 | 272410.230 | 65360.114 | 18.750 |
| x | | 65292.668 | 927.634 | 40319.841 | 110122.820 | 255463.400 | 16379.176 | 272515.860 | 64928.997 | 18.750 |
| σ | | 1444.524 | 47.327 | 177.292 | 265.033 | 555.432 | 137.020 | 198.325 | 618.302 | 4.688 |
| %RSD | | 2.212 | 5.102 | 0.440 | 0.241 | 0.217 | 0.837 | 0.073 | 0.952 | 25.000 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:20:41 | 18213.165 | 354.692 | 5544.826 | 3111.276 | 242.190 | 42055.562 | 2601.799 | 29.688 | 79.688 |
| 2 | 19:21:48 | 17623.364 | 381.255 | 5385.390 | 3234.741 | 235.939 | 41718.639 | 2728.386 | 37.500 | 70.313 |
| 3 | 19:22:57 | 17147.785 | 342.192 | 5422.904 | 3055.014 | 251.565 | 42080.636 | 2595.548 | 21.875 | 48.438 |
| x | | 17661.438 | 359.380 | 5451.040 | 3133.677 | 243.231 | 41951.613 | 2641.911 | 29.688 | 66.146 |
| σ | | 533.709 | 19.949 | 83.359 | 91.934 | 7.865 | 202.150 | 74.954 | 7.813 | 16.036 |
| %RSD | | 3.022 | 5.551 | 1.529 | 2.934 | 3.233 | 0.482 | 2.837 | 26.316 | 24.244 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:20:41 | 3089.397 | 1575.087 | 620.326 | 204.689 | 45.313 | 45.313 | 171.876 | 36.458 | 21.354 |
| 2 | 19:21:48 | 3061.266 | 1451.636 | 598.450 | 205.731 | 67.188 | 67.188 | 165.105 | 44.271 | 19.792 |
| 3 | 19:22:57 | 3112.839 | 1550.084 | 615.638 | 192.710 | 75.000 | 75.000 | 182.293 | 45.313 | 13.021 |
| x | | 3087.834 | 1525.602 | 611.471 | 201.043 | 62.500 | 62.500 | 173.091 | 42.014 | 18.056 |
| σ | | 25.822 | 65.265 | 11.518 | 7.236 | 15.389 | 15.389 | 8.658 | 4.839 | 4.430 |
| %RSD | | 0.836 | 4.278 | 1.884 | 3.599 | 24.622 | 24.622 | 5.002 | 11.518 | 24.533 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:20:41 | 18.750 | 14.063 | 21.875 | 20.313 | 18.750 | 4.688 | 177209.530 | 128.126 | 14.063 |
| 2 | 19:21:48 | 20.313 | 28.125 | 21.875 | 25.000 | 32.813 | 0.000 | 180288.310 | 128.126 | 10.938 |
| 3 | 19:22:57 | 15.625 | 6.250 | 18.750 | 15.625 | 32.813 | 1.563 | 178842.180 | 110.938 | 6.250 |
| x | | 18.229 | 16.146 | 20.833 | 20.313 | 28.125 | 2.083 | 178780.010 | 122.396 | 10.417 |
| σ | | 2.387 | 11.085 | 1.804 | 4.688 | 8.119 | 2.387 | 1540.336 | 9.923 | 3.932 |
| %RSD | | 13.093 | 68.657 | 8.660 | 23.077 | 28.868 | 114.564 | 0.862 | 8.108 | 37.749 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:20:41 | 0.000 | 0.000 | 14.063 | 0.000 | 79.688 | 37.500 | 290.628 | 584.387 | 462300.210 |
| 2 | 19:21:48 | 0.000 | 0.000 | 6.250 | 1.563 | 73.438 | 34.375 | 356.254 | 539.073 | 470962.300 |
| 3 | 19:22:57 | 0.000 | 0.000 | 4.688 | 1.563 | 78.125 | 31.250 | 314.066 | 545.323 | 471154.420 |
| x | | 0.000 | 0.000 | 8.333 | 1.042 | 77.084 | 34.375 | 320.316 | 556.261 | 468138.980 |
| σ | | 0.000 | 0.000 | 5.023 | 0.902 | 3.253 | 3.125 | 33.257 | 24.558 | 5057.435 |
| %RSD | | 0.000 | 0.000 | 60.273 | 86.603 | 4.220 | 9.091 | 10.382 | 4.415 | 1.080 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:20:41 | 500984.680 | 26.563 | 50.000 | 506.259 | 451.570 | 1098.480 | 456221.910 | 3358.207 |
| 2 | 19:21:48 | 508705.140 | 21.875 | 46.875 | 484.383 | 445.319 | 1114.106 | 458712.290 | 3423.848 |
| 3 | 19:22:57 | 505990.940 | 17.188 | 64.063 | 523.447 | 448.445 | 1045.351 | 461328.930 | 3573.885 |
| x | | 505226.920 | 21.875 | 53.646 | 504.696 | 448.445 | 1085.979 | 458754.380 | 3451.980 |
| σ | | 3916.524 | 4.688 | 9.155 | 19.579 | 3.125 | 36.042 | 2553.768 | 110.556 |
| %RSD | | 0.775 | 21.429 | 17.066 | 3.879 | 0.697 | 3.319 | 0.557 | 3.203 |

**C1868-19X25 MF3TE9** 05/01/2011 07:27:31 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:28:39 | 17369.929 | 2.604 | 762.520 | 293.753 | 5942012.300 | 684520.390 | 88852.020 | 107262.110 | 562.511 |
| 2 | 19:29:47 | 17750.083 | 4.167 | 789.084 | 251.565 | 6028743.900 | 691138.350 | 90322.133 | 109748.070 | 612.513 |
| 3 | 19:30:55 | 17587.382 | 2.083 | 853.150 | 290.628 | 6010549.800 | 693868.670 | 90182.191 | 108305.880 | 601.575 |
| x | | 17569.131 | 2.951 | 801.585 | 278.649 | 5993768.700 | 689842.470 | 89785.448 | 108438.690 | 592.200 |
| σ | | 190.733 | 1.084 | 46.590 | 23.507 | 45736.192 | 4806.980 | 811.395 | 1248.291 | 26.286 |
| %RSD | | 1.086 | 36.735 | 5.812 | 8.436 | 0.763 | 0.697 | 0.904 | 1.151 | 4.439 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:28:39 | 74870.684 | 1004.723 | 31060.292 | 104184.780 | 168313.850 | 6862.585 | 112201.400 | 63412.303 | 10.938 |
| 2 | 19:29:47 | 75580.658 | 954.719 | 31041.501 | 103278.230 | 168459.300 | 6882.908 | 111872.270 | 64612.977 | 10.938 |
| 3 | 19:30:55 | 76727.371 | 901.591 | 30316.509 | 103907.770 | 167123.440 | 6781.297 | 111867.540 | 63533.150 | 21.875 |
| x | | 75726.238 | 953.678 | 30806.101 | 103790.260 | 167965.530 | 6842.263 | 111980.400 | 63852.810 | 14.583 |
| σ | | 936.866 | 51.574 | 424.103 | 464.557 | 732.892 | 53.768 | 191.401 | 661.091 | 6.315 |
| %RSD | | 1.237 | 5.408 | 1.377 | 0.448 | 0.436 | 0.786 | 0.171 | 1.035 | 43.301 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:28:39 | 16600.264 | 384.380 | 5129.046 | 2911.234 | 245.315 | 40566.892 | 1740.731 | 20.313 | 51.563 |
| 2 | 19:29:47 | 16737.925 | 343.754 | 4791.428 | 3065.954 | 245.315 | 40775.296 | 1693.850 | 25.000 | 35.938 |
| 3 | 19:30:55 | 16659.708 | 348.442 | 4858.639 | 3055.014 | 265.627 | 40623.302 | 1825.117 | 25.000 | 46.875 |
| x | | 16665.966 | 358.859 | 4926.371 | 3010.734 | 252.086 | 40655.163 | 1753.233 | 23.438 | 44.792 |
| σ | | 69.043 | 22.226 | 178.710 | 86.343 | 11.728 | 107.794 | 66.520 | 2.706 | 8.018 |
| %RSD | | 0.414 | 6.194 | 3.628 | 2.868 | 4.652 | 0.265 | 3.794 | 11.547 | 17.901 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:28:39 | 175.001 | 64.063 | 395.318 | 241.669 | 45.313 | 45.313 | 167.709 | 26.042 | 22.917 |
| 2 | 19:29:47 | 159.376 | 82.813 | 445.319 | 207.814 | 50.000 | 50.000 | 157.813 | 27.604 | 18.229 |
| 3 | 19:30:55 | 146.876 | 60.938 | 365.630 | 233.335 | 56.250 | 56.250 | 159.897 | 31.250 | 23.438 |
| x | | 160.418 | 69.271 | 402.089 | 227.606 | 50.521 | 50.521 | 161.806 | 28.299 | 21.528 |
| σ | | 14.092 | 11.831 | 40.274 | 17.640 | 5.487 | 5.487 | 5.217 | 2.673 | 2.869 |
| %RSD | | 8.784 | 17.079 | 10.016 | 7.750 | 10.862 | 10.862 | 3.224 | 9.445 | 13.325 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:28:39 | 28.125 | 29.688 | 23.438 | 26.563 | 62.500 | 3.125 | 176640.040 | 118.750 | 10.938 |
| 2 | 19:29:47 | 26.563 | 28.125 | 15.625 | 31.250 | 42.188 | 1.563 | 174773.540 | 118.750 | 10.938 |
| 3 | 19:30:55 | 42.188 | 39.063 | 23.438 | 26.563 | 50.000 | 4.688 | 173633.200 | 103.125 | 6.250 |
| x | | 32.292 | 32.292 | 20.833 | 28.125 | 51.563 | 3.125 | 175015.590 | 113.542 | 9.375 |
| σ | | 8.606 | 5.916 | 4.511 | 2.706 | 10.246 | 1.563 | 1517.963 | 9.021 | 2.706 |
| %RSD | | 26.650 | 18.319 | 21.651 | 9.623 | 19.871 | 50.000 | 0.867 | 7.945 | 28.868 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:28:39 | 1.563 | 1.563 | 14.063 | 1.563 | 50.000 | 18.750 | 189.064 | 304.691 | 458329.990 |
| 2 | 19:29:47 | 0.000 | 0.000 | 10.938 | 0.000 | 56.250 | 21.875 | 160.938 | 323.441 | 452869.290 |
| 3 | 19:30:55 | 1.563 | 1.563 | 4.688 | 0.000 | 64.063 | 26.563 | 196.876 | 318.754 | 452759.650 |
| x | | 1.042 | 1.042 | 9.896 | 0.521 | 56.771 | 22.396 | 182.293 | 315.628 | 454652.980 |
| σ | | 0.902 | 0.902 | 4.774 | 0.902 | 7.046 | 3.932 | 18.902 | 9.758 | 3184.859 |
| %RSD | | 86.603 | 86.603 | 48.238 | 173.205 | 12.411 | 17.558 | 10.369 | 3.092 | 0.701 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:28:39 | 495750.500 | 37.500 | 62.500 | 146.876 | 156.251 | 273.440 | 447958.680 | 2936.239 |
| 2 | 19:29:47 | 487626.380 | 23.438 | 70.313 | 140.626 | 114.063 | 301.566 | 448706.610 | 3012.818 |
| 3 | 19:30:55 | 491147.080 | 18.750 | 71.875 | 159.376 | 118.750 | 268.753 | 447608.900 | 2911.234 |
| x | | 491507.990 | 26.563 | 68.229 | 148.959 | 129.688 | 281.253 | 448091.400 | 2953.430 |
| σ | | 4074.069 | 9.758 | 5.023 | 9.547 | 23.123 | 17.747 | 560.758 | 52.929 |
| %RSD | | 0.829 | 36.735 | 7.362 | 6.409 | 17.830 | 6.310 | 0.125 | 1.792 |

**C1868-20X25 MF3TF0** 05/01/2011 07:35:30 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:36:38 | 17387.137 | 1.042 | 481.258 | 298.441 | 4025382.600 | 843158.870 | 110179.500 | 132816.110 | 620.326 |
| 2 | 19:37:46 | 17276.065 | 3.125 | 421.881 | 248.440 | 4093313.500 | 853946.730 | 110437.730 | 135244.990 | 620.326 |
| 3 | 19:38:54 | 17329.254 | 3.646 | 459.382 | 284.378 | 4091050.100 | 855517.180 | 111691.170 | 136005.280 | 581.262 |
| x | | 17330.819 | 2.604 | 454.174 | 277.086 | 4069915.400 | 850874.260 | 110769.470 | 134688.790 | 607.305 |
| σ | | 55.553 | 1.378 | 30.029 | 25.786 | 38583.129 | 6727.703 | 808.593 | 1665.748 | 22.554 |
| %RSD | | 0.321 | 52.915 | 6.612 | 9.306 | 0.948 | 0.791 | 0.730 | 1.237 | 3.714 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:36:38 | 60041.535 | 979.721 | 26762.545 | 104244.590 | 230256.420 | 12625.889 | 209089.340 | 63151.777 | 17.188 |
| 2 | 19:37:46 | 61651.495 | 950.032 | 27022.408 | 105928.780 | 231061.450 | 12580.537 | 210819.170 | 63252.220 | 14.063 |
| 3 | 19:38:54 | 62602.493 | 943.781 | 27092.854 | 106621.410 | 233135.360 | 12837.015 | 209815.490 | 63799.960 | 18.750 |
| x | | 61431.841 | 957.845 | 26959.269 | 105598.260 | 231484.410 | 12681.147 | 209908.000 | 63401.319 | 16.667 |
| σ | | 1294.532 | 19.202 | 173.971 | 1222.396 | 1485.345 | 136.877 | 868.619 | 348.867 | 2.387 |
| %RSD | | 2.107 | 2.005 | 0.645 | 1.158 | 0.642 | 1.079 | 0.414 | 0.550 | 14.321 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:36:38 | 14335.314 | 392.193 | 4483.516 | 3048.763 | 207.814 | 41124.733 | 2533.037 | 32.813 | 53.125 |
| 2 | 19:37:46 | 14616.849 | 365.630 | 4486.642 | 3036.260 | 225.002 | 40961.766 | 2512.721 | 46.875 | 50.000 |
| 3 | 19:38:54 | 14640.311 | 368.755 | 4397.552 | 3081.582 | 196.876 | 40319.317 | 2326.752 | 17.188 | 48.438 |
| x | | 14530.824 | 375.526 | 4455.903 | 3055.535 | 209.897 | 40801.939 | 2457.503 | 32.292 | 50.521 |
| σ | | 169.723 | 14.518 | 50.558 | 23.408 | 14.178 | 425.831 | 113.689 | 14.851 | 2.387 |
| %RSD | | 1.168 | 3.866 | 1.135 | 0.766 | 6.755 | 1.044 | 4.626 | 45.989 | 4.724 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:36:38 | 110.938 | 57.813 | 135.938 | 183.855 | 34.375 | 34.375 | 170.834 | 26.563 | 19.792 |
| 2 | 19:37:46 | 128.126 | 54.688 | 151.563 | 166.147 | 46.875 | 46.875 | 165.626 | 32.813 | 20.313 |
| 3 | 19:38:54 | 126.563 | 64.063 | 132.813 | 184.897 | 43.750 | 43.750 | 159.897 | 29.167 | 20.833 |
| x | | 121.876 | 58.854 | 140.105 | 178.300 | 41.667 | 41.667 | 165.452 | 29.514 | 20.313 |
| σ | | 9.504 | 4.774 | 10.046 | 10.538 | 6.505 | 6.505 | 5.471 | 3.139 | 0.521 |
| %RSD | | 7.798 | 8.111 | 7.170 | 5.910 | 15.613 | 15.613 | 3.307 | 10.637 | 2.564 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:36:38 | 10.938 | 15.625 | 17.188 | 15.625 | 28.125 | 0.000 | 170910.030 | 151.563 | 10.938 |
| 2 | 19:37:46 | 15.625 | 18.750 | 17.188 | 23.438 | 20.313 | 3.125 | 172613.140 | 132.813 | 6.250 |
| 3 | 19:38:54 | 20.313 | 3.125 | 21.875 | 15.625 | 18.750 | 3.125 | 176497.670 | 135.938 | 1.563 |
| x | | 15.625 | 12.500 | 18.750 | 18.229 | 22.396 | 2.083 | 173340.280 | 140.105 | 6.250 |
| σ | | 4.688 | 8.268 | 2.706 | 4.511 | 5.023 | 1.804 | 2863.910 | 10.046 | 4.688 |
| %RSD | | 30.000 | 66.144 | 14.434 | 24.744 | 22.427 | 86.603 | 1.652 | 7.170 | 75.000 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:36:38 | 1.563 | 1.563 | 6.250 | 1.563 | 73.438 | 6.250 | 325.004 | 585.950 | 452898.320 |
| 2 | 19:37:46 | 0.000 | 0.000 | 3.125 | 4.688 | 59.375 | 9.375 | 309.378 | 598.450 | 455802.590 |
| 3 | 19:38:54 | 0.000 | 0.000 | 6.250 | 1.563 | 53.125 | 15.625 | 337.504 | 553.136 | 461022.390 |
| x | | 0.521 | 0.521 | 5.208 | 2.604 | 61.979 | 10.417 | 323.962 | 579.178 | 456574.430 |
| σ | | 0.902 | 0.902 | 1.804 | 1.804 | 10.404 | 4.774 | 14.092 | 23.404 | 4116.668 |
| %RSD | | 173.205 | 173.205 | 34.641 | 69.282 | 16.786 | 45.826 | 4.350 | 4.041 | 0.902 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:36:38 | 485843.720 | 31.250 | 42.188 | 43.750 | 37.500 | 110.938 | 445937.520 | 3337.890 |
| 2 | 19:37:46 | 490998.350 | 25.000 | 54.688 | 42.188 | 60.938 | 153.126 | 451442.370 | 3294.130 |
| 3 | 19:38:54 | 495993.080 | 25.000 | 46.875 | 64.063 | 48.438 | 151.563 | 452008.280 | 3605.142 |
| x | | 490945.050 | 27.083 | 47.917 | 50.000 | 48.958 | 138.542 | 449796.060 | 3412.387 |
| σ | | 5074.891 | 3.608 | 6.315 | 12.204 | 11.727 | 23.919 | 3353.549 | 168.359 |
| %RSD | | 1.034 | 13.323 | 13.179 | 24.407 | 23.954 | 17.265 | 0.746 | 4.934 |

**C1881-01 MF3T77** 05/01/2011 07:43:29 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:44:37 | 16731.667 | 3.646 | 11994.095 | 359.380 | 129487420.000 | 25680257.000 | 3489679.200 | 4118114.800 | 1106.613 |
| 2 | 19:45:45 | 16090.306 | 1.042 | 11370.148 | 334.379 | 125516900.000 | 24803513.000 | 3368159.100 | 3998131.800 | 902.460 |
| 3 | 19:46:53 | 16173.212 | 2.604 | 11617.222 | 364.067 | 127275710.000 | 25566009.000 | 3473732.600 | 4136006.000 | 868.435 |
| x | | 16331.729 | 2.431 | 11660.488 | 352.609 | 127426680.000 | 25349926.000 | 3443857.000 | 4084084.200 | 959.169 |
| σ | | 348.829 | 1.311 | 314.216 | 15.960 | 1989559.300 | 476643.590 | 66039.393 | 74972.587 | 128.818 |
| %RSD | | 2.136 | 53.927 | 2.695 | 4.526 | 1.561 | 1.880 | 1.918 | 1.836 | 13.430 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:44:37 | 1354967.100 | 801.585 | 390873.650 | 616026.780 | 3332199.400 | 341504.730 | 5532950.700 | 63216.608 | 118.750 |
| 2 | 19:45:45 | 1325025.800 | 826.586 | 381086.350 | 615475.650 | 3264408.800 | 330294.500 | 5400528.100 | 61217.645 | 98.438 |
| 3 | 19:46:53 | 1364449.700 | 767.208 | 386526.490 | 632289.700 | 3331406.100 | 336665.850 | 5473996.900 | 60476.751 | 109.375 |
| x | | 1348147.600 | 798.460 | 386162.160 | 621264.050 | 3309338.100 | 336155.030 | 5469158.600 | 61637.001 | 108.855 |
| σ | | 20577.694 | 29.812 | 4903.811 | 9552.476 | 38911.986 | 5622.548 | 66343.733 | 1417.250 | 10.166 |
| %RSD | | 1.526 | 3.734 | 1.270 | 1.538 | 1.176 | 1.673 | 1.213 | 2.299 | 9.339 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:44:37 | 78801.114 | 5763.663 | 17814.225 | 3017.506 | 689.079 | 50755.630 | 28057.213 | 468.758 | 626.576 |
| 2 | 19:45:45 | 80881.442 | 5622.981 | 19225.428 | 2954.993 | 634.389 | 49452.634 | 25826.449 | 476.570 | 593.762 |
| 3 | 19:46:53 | 84742.791 | 5723.021 | 19760.532 | 2903.420 | 675.016 | 50018.662 | 26627.919 | 475.008 | 578.137 |
| x | | 81475.116 | 5703.222 | 18933.395 | 2958.640 | 666.161 | 50075.642 | 26837.193 | 473.445 | 599.492 |
| σ | | 3014.999 | 72.400 | 1005.480 | 57.130 | 28.400 | 653.364 | 1130.010 | 4.134 | 24.723 |
| %RSD | | 3.701 | 1.269 | 5.311 | 1.931 | 4.263 | 1.305 | 4.211 | 0.873 | 4.124 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:44:37 | 1707.915 | 775.021 | 737.519 | 1658.430 | 414.069 | 414.069 | 770.333 | 386.464 | 21.354 |
| 2 | 19:45:45 | 1598.527 | 776.584 | 762.520 | 1704.789 | 510.947 | 510.947 | 742.728 | 371.359 | 14.583 |
| 3 | 19:46:53 | 1662.597 | 871.902 | 806.273 | 1806.885 | 471.883 | 471.883 | 773.979 | 381.776 | 22.917 |
| x | | 1656.346 | 807.835 | 768.771 | 1723.368 | 465.633 | 465.633 | 762.347 | 379.866 | 19.618 |
| σ | | 54.961 | 55.488 | 34.800 | 75.952 | 48.741 | 48.741 | 17.088 | 7.731 | 4.430 |
| %RSD | | 3.318 | 6.869 | 4.527 | 4.407 | 10.468 | 10.468 | 2.242 | 2.035 | 22.579 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:44:37 | 932.451 | 253.127 | 246.877 | 187.501 | 401.568 | 3.125 | 142150.610 | 79.688 | 15.625 |
| 2 | 19:45:45 | 1003.144 | 239.065 | 265.627 | 214.064 | 418.756 | 0.000 | 140328.040 | 106.250 | 14.063 |
| 3 | 19:46:53 | 861.757 | 267.190 | 254.690 | 206.251 | 417.194 | 4.688 | 136798.740 | 98.438 | 10.938 |
| x | | 932.451 | 253.127 | 255.731 | 202.606 | 412.506 | 2.604 | 139759.130 | 94.792 | 13.542 |
| σ | | 70.694 | 14.063 | 9.418 | 13.652 | 9.505 | 2.387 | 2720.914 | 13.651 | 2.387 |
| %RSD | | 7.582 | 5.556 | 3.683 | 6.738 | 2.304 | 91.652 | 1.947 | 14.402 | 17.625 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:44:37 | 1.563 | 1.563 | 9.375 | 6.250 | 62.500 | 56.250 | 2819.028 | 4843.008 | 405923.810 |
| 2 | 19:45:45 | 0.000 | 0.000 | 10.938 | 1.563 | 76.563 | 46.875 | 2728.386 | 4950.858 | 405939.880 |
| 3 | 19:46:53 | 0.000 | 0.000 | 9.375 | 6.250 | 51.563 | 45.313 | 2740.888 | 4999.312 | 399403.200 |
| x | | 0.521 | 0.521 | 9.896 | 4.688 | 63.542 | 49.479 | 2762.767 | 4931.059 | 403755.630 |
| σ | | 0.902 | 0.902 | 0.902 | 2.706 | 12.533 | 5.916 | 49.123 | 80.011 | 3769.321 |
| %RSD | | 173.205 | 173.205 | 9.116 | 57.735 | 19.723 | 11.956 | 1.778 | 1.623 | 0.934 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:44:37 | 442891.810 | 25.000 | 96.875 | 501.571 | 406.256 | 984.409 | 380548.860 | 104804.910 |
| 2 | 19:45:45 | 437609.270 | 35.938 | 78.125 | 510.947 | 389.068 | 904.716 | 381503.510 | 104268.190 |
| 3 | 19:46:53 | 433602.330 | 34.375 | 54.688 | 492.196 | 362.505 | 885.965 | 375128.610 | 105966.560 |
| x | | 438034.470 | 31.771 | 76.563 | 501.571 | 385.943 | 925.030 | 379060.330 | 105013.220 |
| σ | | 4659.318 | 5.916 | 21.137 | 9.375 | 22.042 | 52.271 | 3438.261 | 868.134 |
| %RSD | | 1.064 | 18.619 | 27.608 | 1.869 | 5.711 | 5.651 | 0.907 | 0.827 |

**C1881-01X25 MF3T77** 05/01/2011 07:51:28 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:52:36 | 10255.242 | 2.604 | 654.703 | 292.190 | 4865101.900 | 953308.450 | 126744.130 | 152320.240 | 1567.274 |
| 2 | 19:53:44 | 17656.217 | 2.604 | 853.150 | 273.440 | 6626684.200 | 1283426.100 | 166778.820 | 202378.100 | 1939.194 |
| 3 | 19:54:52 | 16942.854 | 2.083 | 767.208 | 253.127 | 6540250.800 | 1281927.500 | 168890.920 | 205696.870 | 1998.577 |
| x | | 14951.438 | 2.431 | 758.354 | 272.919 | 6010679.000 | 1172887.400 | 154137.960 | 186798.400 | 1835.015 |
| σ | | 4082.635 | 0.301 | 99.520 | 19.537 | 993039.640 | 190162.410 | 23747.239 | 29905.035 | 233.764 |
| %RSD | | 27.306 | 12.372 | 13.123 | 7.158 | 16.521 | 16.213 | 15.406 | 16.009 | 12.739 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:52:36 | 66994.220 | 707.830 | 23761.933 | 110718.020 | 182904.060 | 11603.148 | 193137.430 | 49052.822 | 14.063 |
| 2 | 19:53:44 | 70291.256 | 954.719 | 34623.156 | 109804.760 | 250576.940 | 15483.386 | 256504.190 | 63679.110 | 17.188 |
| 3 | 19:54:52 | 69377.430 | 978.158 | 34836.173 | 109259.980 | 249758.100 | 15616.343 | 257544.530 | 62274.501 | 23.438 |
| x | | 68887.635 | 880.236 | 31073.754 | 109927.580 | 227746.370 | 14234.292 | 235728.720 | 58335.478 | 18.229 |
| σ | | 1702.215 | 149.767 | 6333.118 | 736.738 | 38836.733 | 2279.608 | 36888.804 | 8069.635 | 4.774 |
| %RSD | | 2.471 | 17.014 | 20.381 | 0.670 | 17.053 | 16.015 | 15.649 | 13.833 | 26.186 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:52:36 | 13102.881 | 501.571 | 4330.344 | 2420.517 | 357.817 | 32731.204 | 2000.140 | 17.188 | 71.875 |
| 2 | 19:53:44 | 17075.824 | 679.704 | 5272.848 | 3247.244 | 489.071 | 44564.715 | 2817.465 | 26.563 | 65.625 |
| 3 | 19:54:52 | 16567.414 | 585.950 | 5054.019 | 3220.676 | 489.071 | 44544.339 | 2862.787 | 32.813 | 71.875 |
| x | | 15582.040 | 589.075 | 4885.737 | 2962.812 | 445.320 | 40613.419 | 2560.131 | 25.521 | 69.792 |
| σ | | 2162.011 | 89.107 | 493.272 | 469.829 | 75.779 | 6826.206 | 485.495 | 7.864 | 3.608 |
| %RSD | | 13.875 | 15.127 | 10.096 | 15.858 | 17.017 | 16.808 | 18.964 | 30.816 | 5.170 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:52:36 | 182.814 | 68.750 | 760.958 | 158.855 | 43.750 | 43.750 | 127.605 | 31.250 | 16.146 |
| 2 | 19:53:44 | 203.126 | 92.188 | 1007.848 | 226.564 | 65.625 | 65.625 | 188.543 | 33.333 | 16.146 |
| 3 | 19:54:52 | 203.126 | 123.438 | 1020.349 | 190.105 | 59.375 | 59.375 | 163.022 | 37.500 | 26.042 |
| x | | 196.356 | 94.792 | 929.718 | 191.842 | 56.250 | 56.250 | 159.723 | 34.028 | 19.444 |
| σ | | 11.728 | 27.437 | 146.284 | 33.888 | 11.267 | 11.267 | 30.603 | 3.182 | 5.713 |
| %RSD | | 5.973 | 28.944 | 15.734 | 17.665 | 20.031 | 20.031 | 19.160 | 9.352 | 29.383 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:52:36 | 21.875 | 12.500 | 17.188 | 17.188 | 23.438 | 3.125 | 120525.030 | 81.250 | 4.688 |
| 2 | 19:53:44 | 17.188 | 21.875 | 23.438 | 12.500 | 26.563 | 4.688 | 169830.080 | 106.250 | 6.250 |
| 3 | 19:54:52 | 12.500 | 21.875 | 23.438 | 10.938 | 32.813 | 0.000 | 167174.020 | 142.188 | 3.125 |
| x | | 17.188 | 18.750 | 21.354 | 13.542 | 27.604 | 2.604 | 152509.710 | 109.896 | 4.688 |
| σ | | 4.688 | 5.413 | 3.608 | 3.253 | 4.774 | 2.387 | 27731.360 | 30.632 | 1.563 |
| %RSD | | 27.273 | 28.868 | 16.898 | 24.019 | 17.293 | 91.652 | 18.183 | 27.874 | 33.333 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:52:36 | 0.000 | 0.000 | 1.563 | 1.563 | 100.000 | 17.188 | 95.313 | 209.377 | 326861.100 |
| 2 | 19:53:44 | 0.000 | 0.000 | 14.063 | 1.563 | 160.938 | 14.063 | 154.688 | 279.690 | 448018.320 |
| 3 | 19:54:52 | 0.000 | 0.000 | 7.813 | 0.000 | 187.501 | 21.875 | 168.751 | 332.816 | 440947.080 |
| x | | 0.000 | 0.000 | 7.813 | 1.042 | 149.480 | 17.708 | 139.584 | 273.961 | 405275.500 |
| σ | | 0.000 | 0.000 | 6.250 | 0.902 | 44.862 | 3.932 | 38.979 | 61.919 | 68000.838 |
| %RSD | | 0.000 | 0.000 | 80.000 | 86.603 | 30.012 | 22.205 | 27.925 | 22.601 | 16.779 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:52:36 | 350659.300 | 7.813 | 26.563 | 300.003 | 293.753 | 731.269 | 288730.790 | 2509.595 |
| 2 | 19:53:44 | 479632.800 | 21.875 | 48.438 | 462.507 | 432.819 | 1154.734 | 436837.750 | 4485.079 |
| 3 | 19:54:52 | 479324.260 | 31.250 | 51.563 | 517.197 | 448.445 | 1118.794 | 434568.530 | 4638.253 |
| x | | 436538.790 | 20.313 | 42.188 | 426.569 | 391.672 | 1001.599 | 386712.360 | 3877.642 |
| σ | | 74373.974 | 11.797 | 13.622 | 112.969 | 85.160 | 234.801 | 84862.111 | 1187.236 |
| %RSD | | 17.037 | 58.076 | 32.288 | 26.483 | 21.743 | 23.443 | 21.945 | 30.617 |

**CCV** 05/01/2011 07:59:25 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:00:33 | 14598.080 | 26566.867 | 5197.820 | 315.628 | 20443609.000 | 14058082.000 | 1891772.500 | 2263322.700 | 3230788.400 |
| 2 | 20:01:41 | 15053.239 | 25468.516 | 5190.005 | 315.628 | 20044953.000 | 13627338.000 | 1852545.400 | 2213323.400 | 3152317.800 |
| 3 | 20:02:49 | 14842.081 | 25929.239 | 5102.474 | 365.630 | 20326227.000 | 13767231.000 | 1867156.400 | 2226307.600 | 3194441.300 |
| x | | 14831.133 | 25988.207 | 5163.433 | 332.296 | 20271596.000 | 13817550.000 | 1870491.400 | 2234317.900 | 3192515.900 |
| σ | | 227.777 | 551.545 | 52.937 | 28.868 | 204866.180 | 219736.740 | 19825.075 | 25944.250 | 39270.711 |
| %RSD | | 1.536 | 2.122 | 1.025 | 8.688 | 1.011 | 1.590 | 1.060 | 1.161 | 1.230 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:00:33 | 31328.237 | 158292.460 | 15208.091 | 70916.208 | 9422215.600 | 48603.941 | 713510.850 | 53360.408 | 22998.185 |
| 2 | 20:01:41 | 30232.402 | 156984.390 | 14773.260 | 69704.014 | 9151967.100 | 47747.145 | 693689.850 | 55826.054 | 22103.023 |
| 3 | 20:02:49 | 29853.074 | 157755.320 | 15394.227 | 69697.733 | 9271088.900 | 46956.477 | 706139.020 | 55297.442 | 22957.494 |
| x | | 30471.238 | 157677.390 | 15125.193 | 70105.985 | 9281757.200 | 47769.188 | 704446.570 | 54827.968 | 22686.234 |
| σ | | 766.034 | 657.505 | 318.676 | 701.681 | 135439.730 | 823.953 | 10018.297 | 1298.136 | 505.485 |
| %RSD | | 2.514 | 0.417 | 2.107 | 1.001 | 1.459 | 1.725 | 1.422 | 2.368 | 2.228 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:00:33 | 362124.440 | 339195.250 | 44658.758 | 1274260.800 | 959488.810 | 21766699.000 | 539907.980 | 405869.160 | 87537.693 |
| 2 | 20:01:41 | 351994.670 | 329898.490 | 43973.825 | 1243093.900 | 938320.100 | 21201432.000 | 525958.660 | 396031.570 | 86869.571 |
| 3 | 20:02:49 | 357061.870 | 331750.010 | 44023.980 | 1263979.900 | 944625.330 | 21527585.000 | 532851.700 | 404917.730 | 87393.061 |
| x | | 357060.330 | 333614.580 | 44218.854 | 1260444.900 | 947478.080 | 21498572.000 | 532906.120 | 402272.820 | 87266.775 |
| σ | | 5064.883 | 4920.866 | 381.792 | 15881.292 | 10868.864 | 283748.370 | 6974.819 | 5425.973 | 351.508 |
| %RSD | | 1.418 | 1.475 | 0.863 | 1.260 | 1.147 | 1.320 | 1.309 | 1.349 | 0.403 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:00:33 | 451593.920 | 215356.410 | 162195.250 | 64690.410 | 4245.943 | 4245.943 | 13693.018 | 5774.083 | 20.313 |
| 2 | 20:01:41 | 429696.300 | 209452.410 | 158235.580 | 62757.336 | 4091.211 | 4091.211 | 13221.741 | 5671.438 | 19.792 |
| 3 | 20:02:49 | 442695.230 | 211748.390 | 159859.770 | 62888.641 | 4252.195 | 4252.195 | 13395.861 | 5742.821 | 18.750 |
| x | | 441328.490 | 212185.740 | 160096.860 | 63445.462 | 4196.450 | 4196.450 | 13436.873 | 5729.447 | 19.618 |
| σ | | 11012.605 | 2976.199 | 1990.451 | 1080.153 | 91.193 | 91.193 | 238.300 | 52.613 | 0.796 |
| %RSD | | 2.495 | 1.403 | 1.243 | 1.702 | 2.173 | 2.173 | 1.773 | 0.918 | 4.055 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:00:33 | 125383.770 | 136194.570 | 154515.510 | 85019.428 | 223644.810 | 6.250 | 145940.100 | 9700.167 | 422222.080 |
| 2 | 20:01:41 | 122717.010 | 133503.720 | 152858.760 | 83439.843 | 218297.420 | 0.000 | 152005.990 | 9689.222 | 410554.930 |
| 3 | 20:02:49 | 123467.190 | 134164.560 | 153223.580 | 84044.937 | 221489.750 | 1.563 | 149195.340 | 9584.464 | 414541.030 |
| x | | 123855.990 | 134620.950 | 153532.620 | 84168.069 | 221143.990 | 2.604 | 149047.140 | 9657.951 | 415772.680 |
| σ | | 1375.236 | 1402.278 | 870.533 | 796.959 | 2690.409 | 3.253 | 3035.659 | 63.877 | 5930.286 |
| %RSD | | 1.110 | 1.042 | 0.567 | 0.947 | 1.217 | 124.900 | 2.037 | 0.661 | 1.426 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:00:33 | 6912.610 | 6912.610 | 407873.490 | 104978.050 | 284672.420 | 406290.260 | 377372.500 | 664955.050 | 410490.620 |
| 2 | 20:01:41 | 6842.263 | 6842.263 | 400611.330 | 101704.500 | 278118.650 | 393818.510 | 361735.070 | 649456.540 | 428835.050 |
| 3 | 20:02:49 | 6986.083 | 6986.083 | 408267.310 | 104032.110 | 282658.010 | 402603.690 | 366882.620 | 651793.840 | 414545.860 |
| x | | 6913.652 | 6913.652 | 405584.050 | 103571.550 | 281816.360 | 400904.150 | 368663.400 | 655401.810 | 417957.180 |
| σ | | 71.915 | 71.915 | 4310.994 | 1684.672 | 3356.974 | 6407.215 | 7969.358 | 8355.478 | 9636.254 |
| %RSD | | 1.040 | 1.040 | 1.063 | 1.627 | 1.191 | 1.598 | 2.162 | 1.275 | 2.306 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:00:33 | 444733.670 | 853341.310 | 2086084.700 | 688623.670 | 649453.280 | 1540124.800 | 402134.490 | 4108874.300 |
| 2 | 20:01:41 | 463403.860 | 852598.900 | 2035494.300 | 674616.000 | 638030.430 | 1512084.600 | 415682.880 | 3998550.100 |
| 3 | 20:02:49 | 456275.140 | 864369.330 | 2061047.000 | 694039.020 | 656175.230 | 1542165.900 | 409765.560 | 4091721.100 |
| x | | 454804.220 | 856769.850 | 2060875.300 | 685759.560 | 647886.310 | 1531458.400 | 409194.310 | 4066381.800 |
| σ | | 9421.612 | 6591.804 | 25295.672 | 10023.264 | 9173.332 | 16809.250 | 6792.232 | 59366.795 |
| %RSD | | 2.072 | 0.769 | 1.227 | 1.462 | 1.416 | 1.098 | 1.660 | 1.460 |

**CCB** 05/01/2011 08:07:21 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:08:29 | 15204.962 | 36.979 | 156.251 | 239.065 | 168954.160 | 19967.069 | 2765.893 | 3220.676 | 3278.501 |
| 2 | 20:09:37 | 15309.762 | 20.313 | 176.564 | 235.939 | 152749.790 | 17642.137 | 2287.683 | 2725.260 | 3173.790 |
| 3 | 20:10:45 | 15445.846 | 17.708 | 134.376 | 239.065 | 128959.140 | 7870.918 | 1084.416 | 1353.189 | 1600.090 |
| x | | 15320.190 | 25.000 | 155.730 | 238.023 | 150221.030 | 15160.041 | 2045.997 | 2433.042 | 2684.127 |
| σ | | 120.780 | 10.456 | 21.099 | 1.804 | 20117.067 | 6418.709 | 866.401 | 967.430 | 940.263 |
| %RSD | | 0.788 | 41.823 | 13.548 | 0.758 | 13.392 | 42.340 | 42.346 | 39.762 | 35.030 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:08:29 | 765.646 | 970.345 | 15502.157 | 70577.035 | 97393.364 | 125.001 | 2132.972 | 56530.378 | 60.938 |
| 2 | 20:09:37 | 737.519 | 1065.665 | 15631.985 | 70944.473 | 92235.865 | 84.375 | 1715.728 | 56464.493 | 46.875 |
| 3 | 20:10:45 | 581.262 | 1039.100 | 15692.990 | 72524.251 | 87844.254 | 35.938 | 990.659 | 56106.838 | 31.250 |
| x | | 694.809 | 1025.037 | 15609.044 | 71348.586 | 92491.161 | 81.771 | 1613.120 | 56367.237 | 46.354 |
| σ | | 99.335 | 49.191 | 97.463 | 1034.598 | 4779.671 | 44.589 | 578.027 | 227.905 | 14.851 |
| %RSD | | 14.297 | 4.799 | 0.624 | 1.450 | 5.168 | 54.529 | 35.833 | 0.404 | 32.037 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:08:29 | 11554.671 | 604.700 | 3816.135 | 3817.698 | 1126.607 | 51582.019 | 1542.271 | 479.696 | 114.063 |
| 2 | 20:09:37 | 11163.735 | 539.073 | 3692.665 | 3792.691 | 1054.726 | 50824.624 | 1548.521 | 348.442 | 87.500 |
| 3 | 20:10:45 | 10660.226 | 432.819 | 3419.159 | 3165.976 | 496.884 | 41121.599 | 1370.378 | 135.938 | 54.688 |
| x | | 11126.211 | 525.531 | 3642.653 | 3592.121 | 892.739 | 47842.748 | 1487.057 | 321.358 | 85.417 |
| σ | | 448.402 | 86.737 | 203.158 | 369.265 | 344.700 | 5832.991 | 101.095 | 173.472 | 29.742 |
| %RSD | | 4.030 | 16.505 | 5.577 | 10.280 | 38.611 | 12.192 | 6.798 | 53.981 | 34.820 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:08:29 | 482.821 | 264.065 | 226.564 | 177.084 | 39.063 | 39.063 | 143.751 | 28.646 | 18.229 |
| 2 | 20:09:37 | 481.258 | 190.626 | 181.251 | 173.439 | 35.938 | 35.938 | 159.376 | 28.125 | 16.667 |
| 3 | 20:10:45 | 214.064 | 93.750 | 110.938 | 126.563 | 42.188 | 42.188 | 131.771 | 18.750 | 17.188 |
| x | | 392.714 | 182.814 | 172.918 | 159.029 | 39.063 | 39.063 | 144.966 | 25.174 | 17.361 |
| σ | | 154.718 | 85.426 | 58.262 | 28.175 | 3.125 | 3.125 | 13.842 | 5.569 | 0.796 |
| %RSD | | 39.397 | 46.728 | 33.693 | 17.717 | 8.000 | 8.000 | 9.549 | 22.123 | 4.583 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:08:29 | 262.502 | 389.068 | 375.005 | 210.939 | 570.324 | 1.563 | 155400.020 | 125.001 | 585.950 |
| 2 | 20:09:37 | 181.251 | 228.127 | 259.377 | 146.876 | 443.757 | 0.000 | 157865.900 | 120.313 | 451.570 |
| 3 | 20:10:45 | 145.313 | 137.501 | 196.876 | 107.813 | 248.440 | 1.563 | 157671.590 | 134.376 | 201.564 |
| x | | 196.356 | 251.565 | 277.086 | 155.209 | 420.840 | 1.042 | 156979.170 | 126.563 | 413.028 |
| σ | | 60.037 | 127.411 | 90.375 | 52.066 | 162.161 | 0.902 | 1371.028 | 7.160 | 195.070 |
| %RSD | | 30.576 | 50.647 | 32.616 | 33.545 | 38.533 | 86.603 | 0.873 | 5.658 | 47.229 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:08:29 | 9.375 | 9.375 | 518.759 | 112.500 | 428.131 | 831.274 | 409.381 | 692.204 | 417556.660 |
| 2 | 20:09:37 | 4.688 | 4.688 | 410.943 | 104.688 | 414.069 | 637.514 | 342.192 | 589.075 | 419699.350 |
| 3 | 20:10:45 | 1.563 | 1.563 | 154.688 | 48.438 | 265.627 | 348.442 | 131.251 | 282.815 | 418164.690 |
| x | | 5.208 | 5.208 | 361.464 | 88.542 | 369.276 | 605.743 | 294.274 | 521.365 | 418473.570 |
| σ | | 3.932 | 3.932 | 187.011 | 34.950 | 90.037 | 242.979 | 145.125 | 212.928 | 1104.232 |
| %RSD | | 75.498 | 75.498 | 51.737 | 39.473 | 24.382 | 40.113 | 49.316 | 40.840 | 0.264 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:08:29 | 450462.140 | 1275.057 | 3078.457 | 809.398 | 729.706 | 1836.056 | 415242.210 | 3798.943 |
| 2 | 20:09:37 | 454681.770 | 901.591 | 2040.771 | 653.140 | 673.453 | 1450.074 | 419104.130 | 3378.525 |
| 3 | 20:10:45 | 450613.690 | 342.192 | 857.838 | 282.815 | 275.003 | 623.451 | 418611.880 | 1498.516 |
| x | | 451919.200 | 839.613 | 1992.355 | 581.784 | 559.387 | 1303.193 | 417652.740 | 2891.994 |
| σ | | 2393.657 | 469.511 | 1111.101 | 270.446 | 247.885 | 619.502 | 2102.038 | 1224.959 |
| %RSD | | 0.530 | 55.920 | 55.768 | 46.486 | 44.314 | 47.537 | 0.503 | 42.357 |

**C1881-02 MF3T80** 05/01/2011 08:15:18 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:16:26 | 15278.478 | 19.792 | 4849.260 | 351.567 | 52709421.000 | 7145474.900 | 969424.850 | 1144192.800 | 3475.423 |
| 2 | 20:17:34 | 14928.108 | 13.542 | 4794.554 | 371.880 | 51784351.000 | 7092682.600 | 959833.130 | 1121828.700 | 3020.632 |
| 3 | 20:18:42 | 14652.823 | 9.375 | 4847.697 | 365.630 | 51620984.000 | 7016931.500 | 949518.090 | 1111544.600 | 2364.258 |
| x | | 14953.137 | 14.236 | 4830.504 | 363.025 | 52038252.000 | 7085029.700 | 959592.030 | 1125855.300 | 2953.438 |
| σ | | 313.577 | 5.243 | 31.143 | 10.404 | 586960.570 | 64612.482 | 9955.573 | 16692.443 | 558.622 |
| %RSD | | 2.097 | 36.828 | 0.645 | 2.866 | 1.128 | 0.912 | 1.037 | 1.483 | 18.914 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:16:26 | 1137958.300 | 1189.112 | 165341.950 | 538829.980 | 2183797.400 | 151127.990 | 2617229.400 | 54756.301 | 131.251 |
| 2 | 20:17:34 | 1130507.200 | 1109.418 | 163505.370 | 545293.420 | 2148242.300 | 149462.170 | 2580268.100 | 55366.458 | 93.750 |
| 3 | 20:18:42 | 1126549.600 | 1073.478 | 164459.980 | 555133.620 | 2137738.100 | 148634.850 | 2574340.100 | 54761.006 | 78.125 |
| x | | 1131671.700 | 1124.003 | 164435.760 | 546419.000 | 2156592.600 | 149741.670 | 2590612.500 | 54961.255 | 101.042 |
| σ | | 5792.771 | 59.181 | 918.531 | 8209.895 | 24138.356 | 1269.854 | 23240.685 | 350.924 | 27.303 |
| %RSD | | 0.512 | 5.265 | 0.559 | 1.502 | 1.119 | 0.848 | 0.897 | 0.638 | 27.021 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:16:26 | 84074.799 | 1298.497 | 21006.058 | 9879.978 | 2440.834 | 163943.150 | 17756.341 | 481.258 | 2744.014 |
| 2 | 20:17:34 | 86893.151 | 1176.611 | 21677.372 | 9421.856 | 2225.173 | 158948.120 | 17761.034 | 400.006 | 2528.349 |
| 3 | 20:18:42 | 88998.238 | 1276.620 | 22763.434 | 9227.980 | 2101.717 | 156303.550 | 17288.580 | 321.879 | 2604.925 |
| x | | 86655.396 | 1250.576 | 21815.621 | 9509.938 | 2255.908 | 159731.610 | 17601.985 | 401.047 | 2625.762 |
| σ | | 2470.316 | 64.983 | 886.808 | 334.805 | 171.635 | 3879.597 | 271.427 | 79.695 | 109.332 |
| %RSD | | 2.851 | 5.196 | 4.065 | 3.521 | 7.608 | 2.429 | 1.542 | 19.872 | 4.164 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:16:26 | 11539.033 | 5432.283 | 13065.347 | 1574.566 | 278.128 | 278.128 | 336.462 | 135.417 | 15.104 |
| 2 | 20:17:34 | 11062.094 | 5300.983 | 12837.015 | 1581.338 | 335.941 | 335.941 | 346.879 | 138.022 | 22.396 |
| 3 | 20:18:42 | 10971.399 | 5274.411 | 12974.639 | 1660.513 | 306.253 | 306.253 | 376.047 | 135.417 | 21.875 |
| x | | 11190.842 | 5335.892 | 12959.000 | 1605.472 | 306.774 | 306.774 | 353.129 | 136.285 | 19.792 |
| σ | | 304.933 | 84.527 | 114.966 | 47.787 | 28.910 | 28.910 | 20.519 | 1.504 | 4.068 |
| %RSD | | 2.725 | 1.584 | 0.887 | 2.977 | 9.424 | 9.424 | 5.811 | 1.103 | 20.553 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:16:26 | 771.896 | 507.822 | 675.016 | 356.254 | 845.338 | 3.125 | 142327.360 | 145.313 | 164.063 |
| 2 | 20:17:34 | 534.385 | 507.822 | 523.447 | 289.065 | 760.958 | 0.000 | 146478.380 | 143.751 | 75.000 |
| 3 | 20:18:42 | 435.944 | 465.633 | 453.132 | 306.253 | 703.142 | 1.563 | 144622.110 | 106.250 | 84.375 |
| x | | 580.742 | 493.759 | 550.532 | 317.191 | 769.813 | 1.563 | 144475.950 | 131.771 | 107.813 |
| σ | | 172.707 | 24.358 | 113.394 | 34.904 | 71.510 | 1.563 | 2079.365 | 22.116 | 48.939 |
| %RSD | | 29.739 | 4.933 | 20.597 | 11.004 | 9.289 | 100.000 | 1.439 | 16.783 | 45.393 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:16:26 | 7.813 | 7.813 | 165.626 | 62.500 | 362.505 | 368.755 | 8569.757 | 15120.498 | 402655.100 |
| 2 | 20:17:34 | 3.125 | 3.125 | 82.813 | 42.188 | 279.690 | 240.627 | 8400.907 | 15164.294 | 411418.300 |
| 3 | 20:18:42 | 6.250 | 6.250 | 57.813 | 18.750 | 248.440 | 237.502 | 8225.805 | 14965.647 | 408755.990 |
| x | | 5.729 | 5.729 | 102.084 | 41.146 | 296.878 | 282.295 | 8398.823 | 15083.480 | 407609.800 |
| σ | | 2.387 | 2.387 | 56.431 | 21.894 | 58.943 | 74.893 | 171.986 | 104.369 | 4492.631 |
| %RSD | | 41.660 | 41.660 | 55.279 | 53.210 | 19.854 | 26.530 | 2.048 | 0.692 | 1.102 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:16:26 | 432995.260 | 675.016 | 1617.279 | 4252.195 | 3844.267 | 9378.077 | 388438.240 | 39593.855 |
| 2 | 20:17:34 | 446055.170 | 351.567 | 850.025 | 4034.945 | 3564.507 | 9010.653 | 396153.640 | 39706.668 |
| 3 | 20:18:42 | 445790.860 | 226.564 | 567.199 | 3994.308 | 3541.064 | 8805.838 | 395204.450 | 39130.080 |
| x | | 441613.770 | 417.716 | 1011.501 | 4093.816 | 3649.946 | 9064.856 | 393265.440 | 39476.868 |
| σ | | 7465.014 | 231.428 | 543.344 | 138.657 | 168.695 | 289.945 | 4207.332 | 305.578 |
| %RSD | | 1.690 | 55.403 | 53.717 | 3.387 | 4.622 | 3.199 | 1.070 | 0.774 |

**C1881-03 MF3T80D** 05/01/2011 08:23:14 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:24:22 | 14727.900 | 2.083 | 4660.135 | 390.630 | 51745802.000 | 7048889.700 | 954186.080 | 1111176.900 | 2403.327 |
| 2 | 20:25:30 | 14363.467 | 2.604 | 4446.004 | 362.505 | 50484534.000 | 6896982.000 | 941812.160 | 1093724.500 | 2186.105 |
| 3 | 20:26:38 | 15289.427 | 3.125 | 4852.387 | 387.505 | 52351447.000 | 7049174.500 | 966353.330 | 1125484.500 | 2057.961 |
| x | | 14793.598 | 2.604 | 4652.842 | 380.213 | 51527261.000 | 6998348.700 | 954117.190 | 1110128.600 | 2215.798 |
| σ | | 466.463 | 0.521 | 203.289 | 15.416 | 952450.150 | 87786.245 | 12270.731 | 15905.898 | 174.587 |
| %RSD | | 3.153 | 20.000 | 4.369 | 4.054 | 1.848 | 1.254 | 1.286 | 1.433 | 7.879 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:24:22 | 1105995.500 | 1118.794 | 158962.330 | 524414.380 | 2133996.700 | 151516.450 | 2631750.300 | 55342.930 | 107.813 |
| 2 | 20:25:30 | 1092626.300 | 1121.919 | 157410.920 | 523484.310 | 2105378.800 | 147970.200 | 2556295.800 | 54383.004 | 101.563 |
| 3 | 20:26:38 | 1125013.500 | 1090.667 | 161604.230 | 536877.230 | 2152448.000 | 152197.070 | 2644048.600 | 55794.682 | 109.375 |
| x | | 1107878.500 | 1110.460 | 159325.830 | 528258.640 | 2130607.800 | 150561.240 | 2610698.300 | 55173.538 | 106.250 |
| σ | | 16275.488 | 17.212 | 2120.153 | 7478.391 | 23716.892 | 2269.568 | 47513.470 | 720.922 | 4.134 |
| %RSD | | 1.469 | 1.550 | 1.331 | 1.416 | 1.113 | 1.507 | 1.820 | 1.307 | 3.891 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:24:22 | 86144.890 | 1193.800 | 21908.975 | 9091.955 | 2092.341 | 154441.270 | 15635.114 | 323.441 | 2473.652 |
| 2 | 20:25:30 | 87963.735 | 1067.227 | 22079.550 | 9127.915 | 2045.459 | 151101.150 | 15054.803 | 264.065 | 2506.470 |
| 3 | 20:26:38 | 90668.064 | 1231.303 | 23298.671 | 9063.812 | 2012.642 | 153882.160 | 15392.663 | 239.065 | 2551.790 |
| x | | 88258.896 | 1164.110 | 22429.065 | 9094.561 | 2050.147 | 153141.530 | 15360.860 | 275.524 | 2510.637 |
| σ | | 2275.987 | 85.973 | 757.915 | 32.131 | 40.056 | 1788.996 | 291.459 | 43.340 | 39.236 |
| %RSD | | 2.579 | 7.385 | 3.379 | 0.353 | 1.954 | 1.168 | 1.897 | 15.730 | 1.563 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:24:22 | 10729.027 | 5130.609 | 13307.758 | 1624.051 | 357.817 | 357.817 | 379.693 | 152.084 | 18.229 |
| 2 | 20:25:30 | 10577.352 | 5082.154 | 12600.867 | 1609.987 | 298.441 | 298.441 | 345.838 | 141.667 | 16.667 |
| 3 | 20:26:38 | 11094.932 | 5319.740 | 13171.694 | 1697.497 | 356.254 | 356.254 | 347.921 | 140.105 | 21.354 |
| x | | 10800.437 | 5177.501 | 13026.773 | 1643.845 | 337.504 | 337.504 | 357.817 | 144.619 | 18.750 |
| σ | | 266.077 | 125.543 | 375.067 | 46.993 | 33.839 | 33.839 | 18.973 | 6.512 | 2.387 |
| %RSD | | 2.464 | 2.425 | 2.879 | 2.859 | 10.026 | 10.026 | 5.303 | 4.503 | 12.729 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:24:22 | 329.691 | 387.505 | 514.072 | 270.315 | 632.827 | 3.125 | 146135.830 | 96.875 | 76.563 |
| 2 | 20:25:30 | 343.754 | 428.131 | 459.382 | 281.253 | 701.580 | 0.000 | 146344.200 | 117.188 | 53.125 |
| 3 | 20:26:38 | 320.316 | 387.505 | 443.757 | 284.378 | 657.828 | 3.125 | 149114.820 | 96.875 | 37.500 |
| x | | 331.254 | 401.047 | 472.404 | 278.649 | 664.078 | 2.083 | 147198.280 | 103.646 | 55.729 |
| σ | | 11.797 | 23.456 | 36.922 | 7.384 | 34.800 | 1.804 | 1663.034 | 11.728 | 19.661 |
| %RSD | | 3.561 | 5.849 | 7.816 | 2.650 | 5.240 | 86.603 | 1.130 | 11.315 | 35.280 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:24:22 | 4.688 | 4.688 | 71.875 | 25.000 | 246.877 | 164.063 | 8713.594 | 15808.742 | 416646.280 |
| 2 | 20:25:30 | 0.000 | 0.000 | 39.063 | 18.750 | 203.126 | 153.126 | 8635.422 | 15350.430 | 417547.010 |
| 3 | 20:26:38 | 0.000 | 0.000 | 32.813 | 18.750 | 187.501 | 112.500 | 8576.011 | 15341.045 | 424677.650 |
| x | | 1.563 | 1.563 | 47.917 | 20.833 | 212.502 | 143.230 | 8641.676 | 15500.073 | 419623.650 |
| σ | | 2.706 | 2.706 | 20.983 | 3.608 | 30.778 | 27.169 | 69.004 | 267.357 | 4400.005 |
| %RSD | | 173.205 | 173.205 | 43.790 | 17.321 | 14.484 | 18.969 | 0.799 | 1.725 | 1.049 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:24:22 | 453528.790 | 200.001 | 542.198 | 4014.627 | 3747.366 | 8840.234 | 408411.990 | 40544.955 |
| 2 | 20:25:30 | 450707.190 | 118.750 | 298.441 | 4058.389 | 3492.614 | 8757.371 | 404869.510 | 39507.680 |
| 3 | 20:26:38 | 461196.630 | 92.188 | 207.814 | 4041.197 | 3706.731 | 8996.582 | 409077.500 | 40093.684 |
| x | | 455144.210 | 136.980 | 349.484 | 4038.071 | 3648.904 | 8864.729 | 407453.000 | 40048.773 |
| σ | | 5428.100 | 56.171 | 172.937 | 22.048 | 136.867 | 121.472 | 2261.976 | 520.094 |
| %RSD | | 1.193 | 41.007 | 49.484 | 0.546 | 3.751 | 1.370 | 0.555 | 1.299 |

**C1881-04 MF3T80S** 05/01/2011 08:31:11 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:32:19 | 14843.645 | 2264.763 | 4788.302 | 409.381 | 51339491.000 | 6970675.100 | 942638.810 | 1100509.200 | 546677.660 |
| 2 | 20:33:27 | 14749.798 | 2246.531 | 4647.631 | 417.194 | 49468683.000 | 6720914.600 | 913401.230 | 1067649.100 | 529868.000 |
| 3 | 20:34:35 | 14584.003 | 2203.816 | 4624.186 | 385.943 | 49448240.000 | 6700811.900 | 918921.710 | 1071574.200 | 527480.470 |
| x | | 14725.815 | 2238.370 | 4686.706 | 404.172 | 50085471.000 | 6797467.200 | 924987.250 | 1079910.800 | 534675.370 |
| σ | | 131.472 | 31.282 | 88.762 | 16.263 | 1086060.700 | 150338.830 | 15533.902 | 17946.350 | 10462.608 |
| %RSD | | 0.893 | 1.398 | 1.894 | 4.024 | 2.168 | 2.212 | 1.679 | 1.662 | 1.957 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:32:19 | 1126276.200 | 1084.416 | 165025.820 | 673429.110 | 2112045.900 | 148180.170 | 2574256.300 | 53736.815 | 70.313 |
| 2 | 20:33:27 | 1091666.300 | 1043.788 | 160531.300 | 668895.250 | 2044815.000 | 144800.460 | 2467852.300 | 54461.427 | 75.000 |
| 3 | 20:34:35 | 1085941.200 | 1046.913 | 160374.870 | 673998.800 | 2034606.200 | 144042.860 | 2460690.100 | 53797.982 | 92.188 |
| x | | 1101294.600 | 1058.372 | 161977.330 | 672107.720 | 2063822.300 | 145674.500 | 2500932.900 | 53998.741 | 79.167 |
| σ | | 21823.263 | 22.608 | 2641.233 | 2796.623 | 42073.584 | 2202.788 | 63600.803 | 401.863 | 11.517 |
| %RSD | | 1.982 | 2.136 | 1.631 | 0.416 | 2.039 | 1.512 | 2.543 | 0.744 | 14.548 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:32:19 | 405022.190 | 112335.260 | 40612.333 | 54075.590 | 413925.120 | 867187.340 | 33147.788 | 347481.490 | 77737.498 |
| 2 | 20:33:27 | 399435.330 | 109157.640 | 41167.043 | 52455.504 | 399430.510 | 845527.900 | 31047.765 | 335548.120 | 74116.768 |
| 3 | 20:34:35 | 400664.350 | 107937.480 | 42939.436 | 52264.179 | 400751.110 | 843292.000 | 32375.708 | 338630.520 | 74374.351 |
| x | | 401707.290 | 109810.130 | 41572.937 | 52931.758 | 404702.250 | 852002.410 | 32190.420 | 340553.380 | 75409.539 |
| σ | | 2935.818 | 2270.331 | 1215.490 | 995.196 | 8014.486 | 13197.963 | 1062.202 | 6194.704 | 2020.181 |
| %RSD | | 0.731 | 2.068 | 2.924 | 1.880 | 1.980 | 1.549 | 3.300 | 1.819 | 2.679 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:32:19 | 105052.030 | 51157.058 | 81879.290 | 6764.622 | 504.696 | 504.696 | 622.409 | 272.398 | 21.354 |
| 2 | 20:33:27 | 101089.220 | 48803.533 | 79181.332 | 6605.694 | 514.072 | 514.072 | 579.699 | 247.398 | 23.438 |
| 3 | 20:34:35 | 101545.560 | 48888.197 | 80674.024 | 6525.969 | 434.382 | 434.382 | 569.282 | 242.710 | 14.063 |
| x | | 102562.270 | 49616.262 | 80578.215 | 6632.095 | 484.383 | 484.383 | 590.464 | 254.169 | 19.618 |
| σ | | 2168.235 | 1335.039 | 1351.528 | 121.497 | 43.556 | 43.556 | 28.152 | 15.960 | 4.923 |
| %RSD | | 2.114 | 2.691 | 1.677 | 1.832 | 8.992 | 8.992 | 4.768 | 6.279 | 25.093 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:32:19 | 251.565 | 421.881 | 431.257 | 278.128 | 706.267 | 0.000 | 140206.540 | 837.525 | 38425.045 |
| 2 | 20:33:27 | 278.128 | 378.130 | 450.007 | 282.815 | 615.638 | 4.688 | 144124.930 | 832.837 | 37707.512 |
| 3 | 20:34:35 | 276.565 | 379.693 | 459.382 | 254.690 | 593.762 | 3.125 | 143364.210 | 915.654 | 37539.884 |
| x | | 268.753 | 393.235 | 446.882 | 271.878 | 638.556 | 2.604 | 142565.230 | 862.005 | 37890.814 |
| σ | | 14.906 | 24.821 | 14.321 | 15.068 | 59.651 | 2.387 | 2077.795 | 46.521 | 470.189 |
| %RSD | | 5.546 | 6.312 | 3.205 | 5.542 | 9.342 | 91.652 | 1.457 | 5.397 | 1.241 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:32:19 | 618.763 | 618.763 | 37834.409 | 9367.132 | 215.627 | 73884.318 | 267178.430 | 472923.970 | 398371.870 |
| 2 | 20:33:27 | 625.014 | 625.014 | 37077.742 | 8980.947 | 168.751 | 72516.399 | 261087.670 | 462701.970 | 408508.440 |
| 3 | 20:34:35 | 589.075 | 589.075 | 36964.950 | 9537.558 | 164.063 | 72004.444 | 259862.510 | 460686.820 | 403481.050 |
| x | | 610.951 | 610.951 | 37292.367 | 9295.212 | 182.814 | 72801.720 | 262709.540 | 465437.590 | 403453.790 |
| σ | | 19.201 | 19.201 | 472.798 | 285.190 | 28.513 | 971.874 | 3918.356 | 6561.225 | 5068.337 |
| %RSD | | 3.143 | 3.143 | 1.268 | 3.068 | 15.597 | 1.335 | 1.492 | 1.410 | 1.256 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:32:19 | 438633.730 | 77589.823 | 185961.910 | 29909.402 | 26086.296 | 63641.443 | 381387.990 | 38846.495 |
| 2 | 20:33:27 | 445761.850 | 76651.968 | 183139.870 | 29164.114 | 25363.120 | 61643.649 | 393927.710 | 37853.209 |
| 3 | 20:34:35 | 442741.960 | 77900.884 | 187434.090 | 29254.924 | 25345.902 | 62097.169 | 390302.080 | 37373.824 |
| x | | 442379.180 | 77380.892 | 185511.960 | 29442.813 | 25598.439 | 62460.754 | 388539.260 | 38024.509 |
| σ | | 3577.883 | 650.144 | 2182.185 | 406.621 | 422.584 | 1047.349 | 6453.049 | 751.131 |
| %RSD | | 0.809 | 0.840 | 1.176 | 1.381 | 1.651 | 1.677 | 1.661 | 1.975 |

**C1881-02LX5 MF3T80L** 05/01/2011 08:39:08 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:40:16 | 15774.329 | 1.042 | 1175.048 | 303.128 | 11465821.000 | 1560802.900 | 202882.040 | 243909.910 | 681.266 |
| 2 | 20:41:24 | 16196.676 | 3.125 | 1170.360 | 317.191 | 11405504.000 | 1543353.500 | 204999.450 | 243723.960 | 765.646 |
| 3 | 20:42:32 | 16001.144 | 5.208 | 1200.050 | 298.441 | 11568152.000 | 1578308.800 | 204191.120 | 250681.880 | 698.455 |
| x | | 15990.716 | 3.125 | 1181.820 | 306.253 | 11479825.000 | 1560821.700 | 204024.210 | 246105.250 | 715.122 |
| σ | | 211.367 | 2.083 | 15.961 | 9.758 | 82223.532 | 17477.672 | 1068.527 | 3964.569 | 44.591 |
| %RSD | | 1.322 | 66.667 | 1.351 | 3.186 | 0.716 | 1.120 | 0.524 | 1.611 | 6.235 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:40:16 | 240577.550 | 971.908 | 46605.587 | 184217.660 | 523844.020 | 32991.176 | 539746.430 | 58902.433 | 39.063 |
| 2 | 20:41:24 | 240323.320 | 903.154 | 46616.560 | 186395.630 | 525548.690 | 33069.481 | 539177.090 | 59650.841 | 32.813 |
| 3 | 20:42:32 | 246279.740 | 959.407 | 47016.304 | 186842.030 | 530150.050 | 33451.620 | 547925.690 | 59792.054 | 34.375 |
| x | | 242393.540 | 944.823 | 46746.150 | 185818.440 | 526514.250 | 33170.759 | 542283.070 | 59448.443 | 35.417 |
| σ | | 3367.948 | 36.624 | 234.025 | 1404.174 | 3262.016 | 246.364 | 4894.941 | 478.101 | 3.253 |
| %RSD | | 1.389 | 3.876 | 0.501 | 0.756 | 0.620 | 0.743 | 0.903 | 0.804 | 9.184 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:40:16 | 34413.275 | 506.259 | 9900.304 | 4244.380 | 604.700 | 59820.297 | 4161.544 | 84.375 | 557.823 |
| 2 | 20:41:24 | 34020.147 | 468.758 | 9745.511 | 4292.832 | 621.889 | 60424.394 | 4195.929 | 78.125 | 596.887 |
| 3 | 20:42:32 | 33752.326 | 515.634 | 9729.875 | 4431.937 | 659.390 | 60363.199 | 4449.130 | 92.188 | 612.513 |
| x | | 34061.916 | 496.884 | 9791.897 | 4323.050 | 628.660 | 60202.630 | 4268.868 | 84.896 | 589.075 |
| σ | | 332.448 | 24.805 | 94.209 | 97.361 | 27.967 | 332.521 | 157.056 | 7.046 | 28.170 |
| %RSD | | 0.976 | 4.992 | 0.962 | 2.252 | 4.449 | 0.552 | 3.679 | 8.299 | 4.782 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:40:16 | 2511.158 | 1151.609 | 2794.023 | 500.530 | 104.688 | 104.688 | 183.855 | 40.104 | 20.833 |
| 2 | 20:41:24 | 2545.539 | 1231.303 | 3090.959 | 470.320 | 82.813 | 82.813 | 186.460 | 43.229 | 24.479 |
| 3 | 20:42:32 | 2467.401 | 1242.242 | 2986.250 | 489.592 | 96.875 | 96.875 | 173.959 | 54.688 | 23.438 |
| x | | 2508.033 | 1208.385 | 2957.077 | 486.814 | 94.792 | 94.792 | 181.425 | 46.007 | 22.917 |
| σ | | 39.163 | 49.472 | 150.602 | 15.295 | 11.085 | 11.085 | 6.595 | 7.678 | 1.878 |
| %RSD | | 1.562 | 4.094 | 5.093 | 3.142 | 11.694 | 11.694 | 3.635 | 16.689 | 8.194 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:40:16 | 78.125 | 89.063 | 103.125 | 53.125 | 181.251 | 1.563 | 161958.200 | 131.251 | 12.500 |
| 2 | 20:41:24 | 48.438 | 92.188 | 103.125 | 59.375 | 159.376 | 1.563 | 162904.810 | 106.250 | 6.250 |
| 3 | 20:42:32 | 65.625 | 76.563 | 98.438 | 56.250 | 139.063 | 0.000 | 165300.850 | 106.250 | 15.625 |
| x | | 64.063 | 85.938 | 101.563 | 56.250 | 159.897 | 1.042 | 163387.960 | 114.584 | 11.458 |
| σ | | 14.905 | 8.268 | 2.706 | 3.125 | 21.099 | 0.902 | 1722.903 | 14.434 | 4.774 |
| %RSD | | 23.267 | 9.621 | 2.665 | 5.556 | 13.195 | 86.603 | 1.054 | 12.597 | 41.660 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:40:16 | 1.563 | 1.563 | 9.375 | 0.000 | 93.750 | 65.625 | 1823.554 | 3276.938 | 437027.810 |
| 2 | 20:41:24 | 0.000 | 0.000 | 10.938 | 4.688 | 84.375 | 50.000 | 1826.679 | 3480.111 | 442463.210 |
| 3 | 20:42:32 | 1.563 | 1.563 | 25.000 | 3.125 | 96.875 | 54.688 | 1782.924 | 3236.304 | 443119.010 |
| x | | 1.042 | 1.042 | 15.104 | 2.604 | 91.667 | 56.771 | 1811.052 | 3331.118 | 440870.010 |
| σ | | 0.902 | 0.902 | 8.606 | 2.387 | 6.505 | 8.018 | 24.410 | 130.622 | 3343.563 |
| %RSD | | 86.603 | 86.603 | 56.975 | 91.652 | 7.097 | 14.124 | 1.348 | 3.921 | 0.758 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:40:16 | 472915.900 | 357.817 | 857.838 | 809.398 | 687.517 | 1892.313 | 423723.370 | 8117.931 |
| 2 | 20:41:24 | 479002.800 | 289.065 | 642.202 | 882.840 | 735.956 | 1917.316 | 436708.900 | 8078.846 |
| 3 | 20:42:32 | 479455.100 | 214.064 | 584.387 | 909.404 | 781.271 | 1953.259 | 435779.590 | 8239.876 |
| x | | 477124.600 | 286.982 | 694.809 | 867.214 | 734.915 | 1920.963 | 432070.620 | 8145.551 |
| σ | | 3651.852 | 71.899 | 144.116 | 51.802 | 46.886 | 30.636 | 7243.848 | 83.993 |
| %RSD | | 0.765 | 25.054 | 20.742 | 5.973 | 6.380 | 1.595 | 1.677 | 1.031 |

**C1881-05 MF3TA7** 05/01/2011 08:47:06 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:48:14 | 15261.272 | 3.646 | 14914.031 | 470.320 | 170262430.000 | 17371117.000 | 2350356.600 | 2790492.300 | 859.401 |
| 2 | 20:49:22 | 15090.779 | 2.604 | 14729.465 | 457.820 | 167695780.000 | 17095824.000 | 2312661.400 | 2760365.900 | 735.956 |
| 3 | 20:50:30 | 15134.575 | 2.083 | 14953.134 | 476.570 | 166686820.000 | 16897965.000 | 2307202.900 | 2745561.400 | 748.457 |
| x | | 15162.209 | 2.778 | 14865.543 | 468.237 | 168215010.000 | 17121636.000 | 2323406.900 | 2765473.200 | 781.271 |
| σ | | 88.542 | 0.796 | 119.458 | 9.547 | 1843486.000 | 237629.590 | 23498.117 | 22896.724 | 67.950 |
| %RSD | | 0.584 | 28.641 | 0.804 | 2.039 | 1.096 | 1.388 | 1.011 | 0.828 | 8.697 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:48:14 | 1403362.100 | 757.833 | 286385.850 | 625663.580 | 2703266.300 | 240610.920 | 4205794.300 | 61438.461 | 109.375 |
| 2 | 20:49:22 | 1396464.000 | 771.896 | 281998.290 | 630210.150 | 2692444.200 | 239662.360 | 4169101.800 | 59146.046 | 92.188 |
| 3 | 20:50:30 | 1393414.800 | 723.456 | 283800.650 | 641290.390 | 2699831.500 | 241346.610 | 4181420.300 | 61095.616 | 98.438 |
| x | | 1397747.000 | 751.061 | 284061.600 | 632388.040 | 2698514.000 | 240539.960 | 4185438.800 | 60560.041 | 100.000 |
| σ | | 5096.219 | 24.920 | 2205.390 | 8037.830 | 5530.030 | 844.364 | 18673.416 | 1236.496 | 8.700 |
| %RSD | | 0.365 | 3.318 | 0.776 | 1.271 | 0.205 | 0.351 | 0.446 | 2.042 | 8.700 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:48:14 | 87789.229 | 1167.235 | 19259.849 | 2667.437 | 629.701 | 42296.898 | 19945.164 | 468.758 | 546.885 |
| 2 | 20:49:22 | 89454.198 | 1268.806 | 20042.174 | 2670.562 | 532.822 | 42151.156 | 19485.154 | 410.943 | 548.448 |
| 3 | 20:50:30 | 91737.358 | 1184.424 | 20804.200 | 2673.688 | 523.447 | 42367.419 | 19039.241 | 345.317 | 565.636 |
| x | | 89660.262 | 1206.822 | 20035.408 | 2670.562 | 561.990 | 42271.825 | 19489.853 | 408.339 | 553.657 |
| σ | | 1982.114 | 54.364 | 772.198 | 3.126 | 58.827 | 110.290 | 452.979 | 61.762 | 10.404 |
| %RSD | | 2.211 | 4.505 | 3.854 | 0.117 | 10.468 | 0.261 | 2.324 | 15.125 | 1.879 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:48:14 | 20860.532 | 9937.830 | 2937.802 | 1625.613 | 387.505 | 387.505 | 424.485 | 291.149 | 23.958 |
| 2 | 20:49:22 | 20256.539 | 10111.390 | 2773.707 | 1648.012 | 428.131 | 428.131 | 445.319 | 272.398 | 21.354 |
| 3 | 20:50:30 | 20500.637 | 9972.229 | 2754.953 | 1707.394 | 403.131 | 403.131 | 412.506 | 256.252 | 19.271 |
| x | | 20539.236 | 10007.150 | 2822.154 | 1660.340 | 406.256 | 406.256 | 427.437 | 273.267 | 21.528 |
| σ | | 303.841 | 91.898 | 100.592 | 42.261 | 20.493 | 20.493 | 16.605 | 17.464 | 2.349 |
| %RSD | | 1.479 | 0.918 | 3.564 | 2.545 | 5.044 | 5.044 | 3.885 | 6.391 | 10.909 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:48:14 | 1427.307 | 317.191 | 268.753 | 176.564 | 471.883 | 3.125 | 137888.830 | 89.063 | 46.875 |
| 2 | 20:49:22 | 1699.478 | 310.941 | 293.753 | 181.251 | 456.257 | 4.688 | 135025.740 | 68.750 | 29.688 |
| 3 | 20:50:30 | 1830.261 | 315.628 | 301.566 | 218.752 | 457.820 | 1.563 | 138160.190 | 103.125 | 15.625 |
| x | | 1652.349 | 314.587 | 288.024 | 192.189 | 461.987 | 3.125 | 137024.920 | 86.979 | 30.729 |
| σ | | 205.570 | 3.253 | 17.140 | 23.123 | 8.606 | 1.563 | 1736.647 | 17.282 | 15.651 |
| %RSD | | 12.441 | 1.034 | 5.951 | 12.032 | 1.863 | 50.000 | 1.267 | 19.869 | 50.932 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:48:14 | 3.125 | 3.125 | 46.875 | 7.813 | 378.130 | 128.126 | 3873.963 | 7054.867 | 405374.150 |
| 2 | 20:49:22 | 3.125 | 3.125 | 42.188 | 6.250 | 403.131 | 92.188 | 3903.658 | 6997.026 | 401054.770 |
| 3 | 20:50:30 | 3.125 | 3.125 | 15.625 | 4.688 | 410.943 | 118.750 | 3872.400 | 6829.757 | 400335.000 |
| x | | 3.125 | 3.125 | 34.896 | 6.250 | 397.401 | 113.021 | 3883.340 | 6960.550 | 402254.640 |
| σ | | 0.000 | 0.000 | 16.853 | 1.563 | 17.141 | 18.641 | 17.613 | 116.903 | 2725.442 |
| %RSD | | 0.000 | 0.000 | 48.295 | 25.000 | 4.313 | 16.494 | 0.454 | 1.680 | 0.678 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:48:14 | 439611.540 | 140.626 | 340.629 | 8046.015 | 6779.733 | 16844.300 | 381359.110 | 80172.777 |
| 2 | 20:49:22 | 435236.860 | 106.250 | 320.316 | 7870.918 | 6753.158 | 16662.837 | 375192.760 | 78969.226 |
| 3 | 20:50:30 | 437304.840 | 87.500 | 256.252 | 7800.567 | 6840.700 | 16839.607 | 380391.630 | 78939.374 |
| x | | 437384.410 | 111.459 | 305.732 | 7905.833 | 6791.197 | 16782.248 | 378981.170 | 79360.459 |
| σ | | 2188.429 | 26.943 | 44.038 | 126.395 | 44.883 | 103.439 | 3316.325 | 703.646 |
| %RSD | | 0.500 | 24.173 | 14.404 | 1.599 | 0.661 | 0.616 | 0.875 | 0.887 |

**C1881-02X25 MF3T80** 05/01/2011 08:55:05 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:56:13 | 16989.784 | 0.521 | 590.637 | 248.440 | 2564525.400 | 317719.240 | 43580.435 | 52257.907 | 564.074 |
| 2 | 20:57:21 | 16820.835 | 4.167 | 492.196 | 271.878 | 2526212.800 | 318014.770 | 43553.792 | 51934.857 | 576.574 |
| 3 | 20:58:29 | 16916.260 | 2.604 | 434.382 | 273.440 | 2555777.600 | 316928.520 | 43397.066 | 52101.085 | 587.512 |
| x | | 16908.960 | 2.431 | 505.738 | 264.586 | 2548838.600 | 317554.180 | 43510.431 | 52097.950 | 576.053 |
| σ | | 84.711 | 1.829 | 79.003 | 14.005 | 20076.753 | 561.618 | 99.077 | 161.548 | 11.728 |
| %RSD | | 0.501 | 75.255 | 15.621 | 5.293 | 0.788 | 0.177 | 0.228 | 0.310 | 2.036 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:56:13 | 52715.834 | 981.284 | 22508.343 | 108696.330 | 183062.320 | 6861.022 | 113295.920 | 62393.770 | 9.375 |
| 2 | 20:57:21 | 52775.429 | 903.154 | 22755.609 | 107515.570 | 183101.890 | 6829.757 | 114743.340 | 62567.967 | 17.188 |
| 3 | 20:58:29 | 52703.288 | 931.280 | 22891.764 | 104213.110 | 182612.870 | 6621.847 | 112760.460 | 62939.908 | 12.500 |
| x | | 52731.517 | 938.573 | 22718.572 | 106808.330 | 182925.690 | 6770.875 | 113599.910 | 62633.882 | 13.021 |
| σ | | 38.543 | 39.572 | 194.375 | 2323.781 | 271.631 | 130.006 | 1025.798 | 278.972 | 3.932 |
| %RSD | | 0.073 | 4.216 | 0.856 | 2.176 | 0.148 | 1.920 | 0.903 | 0.445 | 30.199 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:56:13 | 19430.392 | 446.882 | 6105.992 | 3326.950 | 235.939 | 43124.367 | 1762.609 | 15.625 | 151.563 |
| 2 | 20:57:21 | 18532.325 | 375.005 | 5985.629 | 3334.764 | 268.753 | 43464.458 | 1892.313 | 23.438 | 148.438 |
| 3 | 20:58:29 | 18100.522 | 429.694 | 5452.603 | 3250.370 | 285.940 | 43296.762 | 1893.876 | 32.813 | 114.063 |
| x | | 18687.747 | 417.194 | 5848.075 | 3304.028 | 263.544 | 43295.195 | 1849.599 | 23.958 | 138.022 |
| σ | | 678.421 | 37.534 | 347.736 | 46.633 | 25.404 | 170.051 | 75.340 | 8.606 | 20.807 |
| %RSD | | 3.630 | 8.997 | 5.946 | 1.411 | 9.639 | 0.393 | 4.073 | 35.919 | 15.076 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:56:13 | 529.697 | 275.003 | 656.265 | 232.814 | 54.688 | 54.688 | 152.084 | 19.792 | 31.771 |
| 2 | 20:57:21 | 551.573 | 275.003 | 657.828 | 236.981 | 57.813 | 57.813 | 153.126 | 29.167 | 21.354 |
| 3 | 20:58:29 | 509.384 | 239.065 | 615.638 | 201.564 | 57.813 | 57.813 | 166.668 | 28.125 | 25.000 |
| x | | 530.218 | 263.023 | 643.244 | 223.786 | 56.771 | 56.771 | 157.293 | 25.694 | 26.042 |
| σ | | 21.099 | 20.749 | 23.920 | 19.358 | 1.804 | 1.804 | 8.136 | 5.138 | 5.286 |
| %RSD | | 3.979 | 7.889 | 3.719 | 8.650 | 3.178 | 3.178 | 5.172 | 19.998 | 20.298 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:56:13 | 21.875 | 25.000 | 20.313 | 34.375 | 43.750 | 0.000 | 169796.870 | 146.876 | 4.688 |
| 2 | 20:57:21 | 17.188 | 21.875 | 21.875 | 12.500 | 28.125 | 4.688 | 170608.010 | 110.938 | 10.938 |
| 3 | 20:58:29 | 25.000 | 23.438 | 34.375 | 25.000 | 31.250 | 0.000 | 171136.150 | 131.251 | 9.375 |
| x | | 21.354 | 23.438 | 25.521 | 23.958 | 34.375 | 1.563 | 170513.680 | 129.688 | 8.333 |
| σ | | 3.932 | 1.563 | 7.708 | 10.975 | 8.268 | 2.706 | 674.603 | 18.020 | 3.253 |
| %RSD | | 18.414 | 6.667 | 30.201 | 45.807 | 24.052 | 173.205 | 0.396 | 13.895 | 39.031 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:56:13 | 1.563 | 1.563 | 4.688 | 3.125 | 43.750 | 29.688 | 390.630 | 628.139 | 452500.050 |
| 2 | 20:57:21 | 1.563 | 1.563 | 7.813 | 0.000 | 67.188 | 18.750 | 370.317 | 679.704 | 452859.620 |
| 3 | 20:58:29 | 1.563 | 1.563 | 10.938 | 1.563 | 57.813 | 28.125 | 403.131 | 684.391 | 455517.140 |
| x | | 1.563 | 1.563 | 7.813 | 1.563 | 56.250 | 25.521 | 388.026 | 664.078 | 453625.600 |
| σ | | 0.000 | 0.000 | 3.125 | 1.563 | 11.797 | 5.916 | 16.561 | 31.212 | 1647.953 |
| %RSD | | 0.000 | 0.000 | 40.000 | 100.000 | 20.972 | 23.179 | 4.268 | 4.700 | 0.363 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:56:13 | 491438.090 | 64.063 | 218.752 | 239.065 | 179.689 | 420.319 | 446300.150 | 1557.897 |
| 2 | 20:57:21 | 488959.880 | 90.625 | 181.251 | 226.564 | 170.314 | 417.194 | 446069.680 | 1670.410 |
| 3 | 20:58:29 | 490133.460 | 68.750 | 192.189 | 195.314 | 160.938 | 389.068 | 450084.900 | 1562.586 |
| x | | 490177.140 | 74.479 | 197.397 | 220.314 | 170.314 | 408.860 | 447484.910 | 1596.964 |
| σ | | 1239.682 | 14.178 | 19.285 | 22.535 | 9.375 | 17.212 | 2254.607 | 63.649 |
| %RSD | | 0.253 | 19.036 | 9.770 | 10.229 | 5.505 | 4.210 | 0.504 | 3.986 |

**C1881-03X25 MF3T80D** 05/01/2011 09:03:03 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:04:11 | 15926.060 | 4.167 | 353.129 | 260.940 | 2569151.700 | 316744.830 | 43395.498 | 52196.746 | 573.449 |
| 2 | 21:05:19 | 16475.120 | 7.292 | 364.067 | 235.939 | 2542477.400 | 312760.030 | 42884.584 | 52094.813 | 584.387 |
| 3 | 21:06:27 | 16675.352 | 2.604 | 393.755 | 285.940 | 2531275.000 | 315189.110 | 43282.657 | 52058.744 | 596.887 |
| x | | 16358.844 | 4.688 | 370.317 | 260.940 | 2547634.700 | 314897.990 | 43187.580 | 52116.768 | 584.908 |
| σ | | 387.943 | 2.387 | 21.022 | 25.000 | 19457.908 | 2008.290 | 268.399 | 71.573 | 11.728 |
| %RSD | | 2.371 | 50.918 | 5.677 | 9.581 | 0.764 | 0.638 | 0.621 | 0.137 | 2.005 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:04:11 | 51282.506 | 859.401 | 22585.026 | 98098.161 | 181862.770 | 6920.426 | 113543.190 | 58722.005 | 18.750 |
| 2 | 21:05:19 | 50871.666 | 1023.474 | 22347.153 | 98774.674 | 180979.790 | 6915.736 | 112938.420 | 60189.029 | 25.000 |
| 3 | 21:06:27 | 51028.474 | 935.968 | 22509.908 | 98708.594 | 181187.080 | 7042.360 | 115099.310 | 60937.504 | 9.375 |
| x | | 51060.882 | 939.614 | 22480.696 | 98527.143 | 181343.210 | 6959.507 | 113860.310 | 59949.512 | 17.708 |
| σ | | 207.328 | 82.097 | 121.598 | 372.976 | 461.734 | 71.791 | 1114.805 | 1127.003 | 7.864 |
| %RSD | | 0.406 | 8.737 | 0.541 | 0.379 | 0.255 | 1.032 | 0.979 | 1.880 | 44.411 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:04:11 | 14849.902 | 368.755 | 4907.093 | 3283.190 | 304.691 | 42796.821 | 1709.477 | 37.500 | 151.563 |
| 2 | 21:05:19 | 15192.449 | 365.630 | 4696.084 | 3356.644 | 293.753 | 42647.940 | 1757.921 | 34.375 | 142.188 |
| 3 | 21:06:27 | 14682.541 | 365.630 | 4564.792 | 3311.321 | 298.441 | 42953.541 | 1695.413 | 31.250 | 128.126 |
| x | | 14908.297 | 366.671 | 4722.656 | 3317.052 | 298.961 | 42799.434 | 1720.937 | 34.375 | 140.626 |
| σ | | 259.921 | 1.804 | 172.691 | 37.061 | 5.487 | 152.817 | 32.792 | 3.125 | 11.797 |
| %RSD | | 1.743 | 0.492 | 3.657 | 1.117 | 1.835 | 0.357 | 1.905 | 9.091 | 8.389 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:04:11 | 565.636 | 234.377 | 659.390 | 181.772 | 60.938 | 60.938 | 150.001 | 22.917 | 23.438 |
| 2 | 21:05:19 | 571.886 | 246.877 | 675.016 | 185.939 | 35.938 | 35.938 | 164.584 | 28.125 | 18.750 |
| 3 | 21:06:27 | 623.451 | 262.502 | 646.890 | 181.772 | 34.375 | 34.375 | 152.084 | 25.000 | 20.313 |
| x | | 586.991 | 247.919 | 660.432 | 183.161 | 43.750 | 43.750 | 155.556 | 25.347 | 20.833 |
| σ | | 31.729 | 14.092 | 14.092 | 2.406 | 14.905 | 14.905 | 7.887 | 2.621 | 2.387 |
| %RSD | | 5.405 | 5.684 | 2.134 | 1.313 | 34.069 | 34.069 | 5.070 | 10.342 | 11.456 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:04:11 | 31.250 | 17.188 | 12.500 | 18.750 | 25.000 | 1.563 | 164207.100 | 93.750 | 15.625 |
| 2 | 21:05:19 | 23.438 | 17.188 | 25.000 | 20.313 | 42.188 | 3.125 | 167594.530 | 109.375 | 7.813 |
| 3 | 21:06:27 | 17.188 | 20.313 | 32.813 | 14.063 | 32.813 | 3.125 | 168350.210 | 125.001 | 12.500 |
| x | | 23.958 | 18.229 | 23.438 | 17.708 | 33.333 | 2.604 | 166717.280 | 109.375 | 11.979 |
| σ | | 7.046 | 1.804 | 10.246 | 3.253 | 8.606 | 0.902 | 2206.476 | 15.625 | 3.932 |
| %RSD | | 29.408 | 9.897 | 43.716 | 18.368 | 25.817 | 34.641 | 1.323 | 14.286 | 32.825 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:04:11 | 1.563 | 1.563 | 14.063 | 1.563 | 48.438 | 37.500 | 375.005 | 767.208 | 427661.590 |
| 2 | 21:05:19 | 0.000 | 0.000 | 18.750 | 3.125 | 56.250 | 23.438 | 395.318 | 704.705 | 450576.610 |
| 3 | 21:06:27 | 0.000 | 0.000 | 12.500 | 0.000 | 57.813 | 12.500 | 410.943 | 746.895 | 446342.050 |
| x | | 0.521 | 0.521 | 15.104 | 1.563 | 54.167 | 24.479 | 393.755 | 739.603 | 441526.750 |
| σ | | 0.902 | 0.902 | 3.253 | 1.563 | 5.023 | 12.533 | 18.020 | 31.883 | 12192.820 |
| %RSD | | 173.205 | 173.205 | 21.534 | 100.000 | 9.273 | 51.197 | 4.576 | 4.311 | 2.762 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:04:11 | 463439.360 | 56.250 | 165.626 | 215.627 | 198.439 | 475.008 | 426016.650 | 1725.104 |
| 2 | 21:05:19 | 485956.850 | 59.375 | 156.251 | 209.377 | 206.251 | 468.758 | 442468.040 | 1628.218 |
| 3 | 21:06:27 | 485792.010 | 70.313 | 151.563 | 212.502 | 176.564 | 473.445 | 445371.840 | 1693.850 |
| x | | 478396.070 | 61.979 | 157.813 | 212.502 | 193.751 | 472.404 | 437952.180 | 1682.391 |
| σ | | 12953.152 | 7.384 | 7.160 | 3.125 | 15.389 | 3.253 | 10437.945 | 49.449 |
| %RSD | | 2.708 | 11.914 | 4.537 | 1.471 | 7.943 | 0.689 | 2.383 | 2.939 |

**C1881-04X25 MF3T80S** 05/01/2011 09:11:02 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:12:10 | 15322.275 | 125.001 | 295.316 | 256.252 | 2472759.700 | 306321.180 | 41438.137 | 50283.653 | 28428.258 |
| 2 | 21:13:18 | 15708.632 | 106.771 | 314.066 | 265.627 | 2494955.600 | 316577.110 | 43635.290 | 51741.971 | 29167.245 |
| 3 | 21:14:26 | 16381.262 | 120.313 | 303.128 | 290.628 | 2457978.600 | 308380.410 | 42447.344 | 50807.376 | 28262.304 |
| x | | 15804.056 | 117.362 | 304.170 | 270.836 | 2475231.300 | 310426.230 | 42506.924 | 50944.333 | 28619.269 |
| σ | | 535.903 | 9.466 | 9.419 | 17.770 | 18611.982 | 5425.410 | 1099.787 | 738.743 | 481.761 |
| %RSD | | 3.391 | 8.066 | 3.096 | 6.561 | 0.752 | 1.748 | 2.587 | 1.450 | 1.683 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:12:10 | 48416.281 | 823.461 | 21436.384 | 100735.170 | 177533.830 | 6731.273 | 110884.930 | 59159.743 | 7.813 |
| 2 | 21:13:18 | 50727.405 | 837.525 | 21862.028 | 100939.730 | 178169.800 | 6900.104 | 114264.530 | 58565.112 | 9.375 |
| 3 | 21:14:26 | 48569.926 | 876.589 | 21270.511 | 101021.550 | 175349.280 | 6685.939 | 112486.440 | 61679.742 | 14.063 |
| x | | 49237.871 | 845.858 | 21522.974 | 100898.820 | 177017.630 | 6772.439 | 112545.300 | 59801.532 | 10.417 |
| σ | | 1292.260 | 27.527 | 305.117 | 147.512 | 1479.414 | 112.861 | 1690.569 | 1653.526 | 3.253 |
| %RSD | | 2.625 | 3.254 | 1.418 | 0.146 | 0.836 | 1.666 | 1.502 | 2.765 | 31.225 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:12:10 | 28785.221 | 6001.260 | 5125.920 | 5524.506 | 20985.715 | 78215.094 | 2576.795 | 17848.643 | 3878.652 |
| 2 | 21:13:18 | 28620.829 | 6277.942 | 5240.023 | 5421.341 | 21037.354 | 78865.530 | 2756.516 | 18402.470 | 4056.826 |
| 3 | 21:14:26 | 28534.720 | 6065.350 | 5033.699 | 5547.952 | 20730.656 | 77365.172 | 2597.111 | 17914.350 | 3872.400 |
| x | | 28646.923 | 6114.851 | 5133.214 | 5497.933 | 20917.908 | 78148.599 | 2643.474 | 18055.155 | 3935.959 |
| σ | | 127.273 | 144.831 | 103.355 | 67.359 | 164.208 | 752.386 | 98.423 | 302.573 | 104.720 |
| %RSD | | 0.444 | 2.369 | 2.013 | 1.225 | 0.785 | 0.963 | 3.723 | 1.676 | 2.661 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:12:10 | 5321.303 | 2565.855 | 4011.501 | 370.838 | 60.938 | 60.938 | 160.418 | 40.104 | 21.875 |
| 2 | 21:13:18 | 5597.972 | 2726.823 | 4267.825 | 406.256 | 62.500 | 62.500 | 164.584 | 28.646 | 18.229 |
| 3 | 21:14:26 | 5457.292 | 2593.986 | 4122.470 | 407.297 | 60.938 | 60.938 | 161.459 | 30.208 | 18.229 |
| x | | 5458.856 | 2628.888 | 4133.932 | 394.797 | 61.458 | 61.458 | 162.154 | 32.986 | 19.444 |
| σ | | 138.341 | 85.972 | 128.546 | 20.756 | 0.902 | 0.902 | 2.168 | 6.214 | 2.105 |
| %RSD | | 2.534 | 3.270 | 3.110 | 5.257 | 1.468 | 1.468 | 1.337 | 18.837 | 10.825 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:12:10 | 25.000 | 20.313 | 23.438 | 15.625 | 32.813 | 3.125 | 163963.700 | 150.001 | 1723.542 |
| 2 | 21:13:18 | 21.875 | 12.500 | 18.750 | 25.000 | 32.813 | 1.563 | 163145.030 | 170.314 | 1753.233 |
| 3 | 21:14:26 | 28.125 | 10.938 | 15.625 | 23.438 | 31.250 | 3.125 | 168214.250 | 154.688 | 1671.973 |
| x | | 25.000 | 14.583 | 19.271 | 21.354 | 32.292 | 2.604 | 165107.660 | 158.334 | 1716.249 |
| σ | | 3.125 | 5.023 | 3.932 | 5.023 | 0.902 | 0.902 | 2721.348 | 10.636 | 41.118 |
| %RSD | | 12.500 | 34.442 | 20.405 | 23.521 | 2.794 | 34.641 | 1.648 | 6.717 | 2.396 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:12:10 | 42.188 | 42.188 | 1676.661 | 460.945 | 62.500 | 3445.728 | 13073.167 | 23078.001 | 441167.810 |
| 2 | 21:13:18 | 29.688 | 29.688 | 1692.288 | 414.069 | 35.938 | 3470.734 | 13290.554 | 23553.776 | 434343.080 |
| 3 | 21:14:26 | 29.688 | 29.688 | 1754.795 | 428.131 | 43.750 | 3406.656 | 12890.188 | 23146.862 | 453122.450 |
| x | | 33.854 | 33.854 | 1707.915 | 434.382 | 47.396 | 3441.039 | 13084.636 | 23259.546 | 442877.780 |
| σ | | 7.217 | 7.217 | 41.345 | 24.055 | 13.651 | 32.295 | 200.430 | 257.126 | 9505.746 |
| %RSD | | 21.318 | 21.318 | 2.421 | 5.538 | 28.803 | 0.939 | 1.532 | 1.105 | 2.146 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:12:10 | 475627.160 | 3545.753 | 8580.701 | 1379.754 | 1267.244 | 2808.089 | 435715.170 | 1732.918 |
| 2 | 21:13:18 | 470343.990 | 3636.400 | 8707.340 | 1464.138 | 1262.556 | 3050.326 | 434967.910 | 1657.909 |
| 3 | 21:14:26 | 492000.720 | 3666.095 | 8566.630 | 1470.388 | 1260.993 | 3015.943 | 450910.330 | 1546.959 |
| x | | 479323.950 | 3616.083 | 8618.224 | 1438.093 | 1263.598 | 2958.119 | 440531.140 | 1645.928 |
| σ | | 11291.733 | 62.691 | 77.497 | 50.620 | 3.253 | 131.063 | 8996.406 | 93.557 |
| %RSD | | 2.356 | 1.734 | 0.899 | 3.520 | 0.257 | 4.431 | 2.042 | 5.684 |

**C1881-02LX125 MF3T80L** 05/01/2011 09:19:01 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:20:09 | 16135.670 | 2.083 | 114.063 | 209.377 | 551118.490 | 63043.488 | 8677.635 | 10236.479 | 629.701 |
| 2 | 21:21:17 | 16055.893 | 2.083 | 120.313 | 270.315 | 546398.530 | 63410.733 | 8599.462 | 10147.353 | 625.014 |
| 3 | 21:22:25 | 16398.469 | 0.521 | 131.251 | 198.439 | 544001.800 | 62848.883 | 8532.235 | 10172.370 | 623.451 |
| x | | 16196.677 | 1.563 | 121.876 | 226.043 | 547172.940 | 63101.035 | 8603.111 | 10185.401 | 626.055 |
| σ | | 179.251 | 0.902 | 8.700 | 38.728 | 3620.997 | 285.311 | 72.769 | 45.970 | 3.253 |
| %RSD | | 1.107 | 57.735 | 7.138 | 17.133 | 0.662 | 0.452 | 0.846 | 0.451 | 0.520 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:20:09 | 10591.425 | 853.150 | 17454.406 | 79907.233 | 106733.170 | 1356.314 | 22844.814 | 59875.214 | 6.250 |
| 2 | 21:21:17 | 10560.152 | 904.716 | 17640.572 | 80318.906 | 105596.650 | 1406.319 | 22788.474 | 59613.184 | 10.938 |
| 3 | 21:22:25 | 10785.320 | 900.028 | 17432.505 | 80086.356 | 105022.120 | 1318.811 | 22599.111 | 60612.689 | 9.375 |
| x | | 10645.632 | 885.965 | 17509.161 | 80104.165 | 105783.980 | 1360.482 | 22744.133 | 60033.696 | 8.854 |
| σ | | 121.979 | 28.515 | 114.331 | 206.414 | 870.771 | 43.903 | 128.713 | 518.257 | 2.387 |
| %RSD | | 1.146 | 3.218 | 0.653 | 0.258 | 0.823 | 3.227 | 0.566 | 0.863 | 26.956 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:20:09 | 9873.724 | 360.942 | 3161.287 | 3069.080 | 221.877 | 39546.850 | 1234.428 | 29.688 | 43.750 |
| 2 | 21:21:17 | 9468.762 | 298.441 | 3156.599 | 2897.169 | 198.439 | 38744.657 | 1295.371 | 25.000 | 43.750 |
| 3 | 21:22:25 | 9598.536 | 353.129 | 3195.670 | 2862.787 | 185.939 | 39158.282 | 1309.435 | 18.750 | 39.063 |
| x | | 9647.007 | 337.504 | 3171.185 | 2943.012 | 202.085 | 39149.930 | 1279.745 | 24.479 | 42.188 |
| σ | | 206.786 | 34.055 | 21.333 | 110.523 | 18.244 | 401.162 | 39.870 | 5.487 | 2.706 |
| %RSD | | 2.144 | 10.090 | 0.673 | 3.755 | 9.028 | 1.025 | 3.115 | 22.416 | 6.415 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:20:09 | 173.439 | 51.563 | 162.501 | 108.855 | 32.813 | 32.813 | 138.542 | 17.708 | 25.521 |
| 2 | 21:21:17 | 160.938 | 56.250 | 171.876 | 122.917 | 35.938 | 35.938 | 156.772 | 16.667 | 21.354 |
| 3 | 21:22:25 | 135.938 | 65.625 | 203.126 | 113.542 | 29.688 | 29.688 | 141.667 | 26.042 | 24.479 |
| x | | 156.772 | 57.813 | 179.168 | 115.105 | 32.813 | 32.813 | 145.660 | 20.139 | 23.785 |
| σ | | 19.094 | 7.160 | 21.272 | 7.160 | 3.125 | 3.125 | 9.749 | 5.138 | 2.168 |
| %RSD | | 12.180 | 12.385 | 11.873 | 6.221 | 9.524 | 9.524 | 6.693 | 25.515 | 9.117 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:20:09 | 10.938 | 3.125 | 6.250 | 4.688 | 10.938 | 1.563 | 164856.700 | 95.313 | 10.938 |
| 2 | 21:21:17 | 9.375 | 9.375 | 14.063 | 6.250 | 12.500 | 4.688 | 164692.320 | 103.125 | 1.563 |
| 3 | 21:22:25 | 14.063 | 3.125 | 7.813 | 6.250 | 18.750 | 4.688 | 167561.330 | 93.750 | 1.563 |
| x | | 11.458 | 5.208 | 9.375 | 5.729 | 14.063 | 3.646 | 165703.450 | 97.396 | 4.688 |
| σ | | 2.387 | 3.608 | 4.134 | 0.902 | 4.134 | 1.804 | 1611.070 | 5.023 | 5.413 |
| %RSD | | 20.830 | 69.282 | 44.096 | 15.746 | 29.397 | 49.487 | 0.972 | 5.157 | 115.470 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:20:09 | 0.000 | 0.000 | 7.813 | 1.563 | 57.813 | 28.125 | 110.938 | 150.001 | 437427.260 |
| 2 | 21:21:17 | 1.563 | 1.563 | 3.125 | 0.000 | 68.750 | 15.625 | 78.125 | 173.439 | 436079.160 |
| 3 | 21:22:25 | 0.000 | 0.000 | 4.688 | 0.000 | 51.563 | 7.813 | 81.250 | 150.001 | 440339.710 |
| x | | 0.521 | 0.521 | 5.208 | 0.521 | 59.375 | 17.188 | 90.104 | 157.813 | 437948.710 |
| σ | | 0.902 | 0.902 | 2.387 | 0.902 | 8.700 | 10.246 | 18.110 | 13.532 | 2177.618 |
| %RSD | | 173.205 | 173.205 | 45.826 | 173.205 | 14.652 | 59.613 | 20.099 | 8.575 | 0.497 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:20:09 | 474159.240 | 64.063 | 137.501 | 51.563 | 54.688 | 134.376 | 436691.180 | 365.630 |
| 2 | 21:21:17 | 470476.360 | 43.750 | 139.063 | 51.563 | 50.000 | 123.438 | 434592.680 | 340.629 |
| 3 | 21:22:25 | 475491.500 | 43.750 | 114.063 | 50.000 | 48.438 | 87.500 | 432484.830 | 325.004 |
| x | | 473375.700 | 50.521 | 130.209 | 51.042 | 51.042 | 115.105 | 434589.570 | 343.754 |
| σ | | 2597.758 | 11.727 | 14.005 | 0.902 | 3.253 | 24.524 | 2103.177 | 20.492 |
| %RSD | | 0.549 | 23.213 | 10.756 | 1.767 | 6.372 | 21.306 | 0.484 | 5.961 |

**C1881-05X25 MF3TA7** 05/01/2011 09:27:01 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:28:09 | 16008.965 | 2.604 | 740.644 | 250.002 | 7466418.800 | 770312.600 | 99658.908 | 120329.650 | 623.451 |
| 2 | 21:29:17 | 15502.157 | 0.521 | 795.335 | 275.003 | 7736618.200 | 780864.380 | 102721.110 | 123668.920 | 659.390 |
| 3 | 21:30:25 | 16229.526 | 2.083 | 795.335 | 254.690 | 7691377.600 | 784687.860 | 101737.550 | 122390.800 | 629.701 |
| x | | 15913.549 | 1.736 | 777.104 | 259.898 | 7631471.500 | 778621.620 | 101372.520 | 122129.790 | 637.514 |
| σ | | 372.954 | 1.084 | 31.576 | 13.289 | 144718.620 | 7445.435 | 1563.394 | 1684.868 | 19.201 |
| %RSD | | 2.344 | 62.450 | 4.063 | 5.113 | 1.896 | 0.956 | 1.542 | 1.380 | 3.012 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:28:09 | 60245.516 | 900.028 | 26800.115 | 94432.962 | 198407.350 | 10483.533 | 173445.000 | 59071.880 | 17.188 |
| 2 | 21:29:17 | 63632.026 | 846.900 | 27460.743 | 97270.657 | 203360.650 | 10594.552 | 178127.080 | 57363.376 | 17.188 |
| 3 | 21:30:25 | 63280.470 | 803.148 | 27482.660 | 98129.626 | 202855.100 | 10779.065 | 179182.340 | 59903.457 | 14.063 |
| x | | 62386.004 | 850.025 | 27247.839 | 96611.082 | 201541.040 | 10619.050 | 176918.140 | 58779.571 | 16.146 |
| σ | | 1862.033 | 48.516 | 387.895 | 1934.583 | 2725.596 | 149.281 | 3053.759 | 1295.024 | 1.804 |
| %RSD | | 2.985 | 5.708 | 1.424 | 2.002 | 1.352 | 1.406 | 1.726 | 2.203 | 11.175 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:28:09 | 11969.074 | 273.440 | 3573.885 | 2892.480 | 173.439 | 36980.615 | 1904.815 | 23.438 | 65.625 |
| 2 | 21:29:17 | 11994.095 | 354.692 | 3533.249 | 2867.475 | 221.877 | 37381.657 | 1945.445 | 34.375 | 59.375 |
| 3 | 21:30:25 | 11776.727 | 337.504 | 3673.910 | 2917.485 | 192.189 | 37392.623 | 1932.943 | 28.125 | 70.313 |
| x | | 11913.299 | 321.879 | 3593.681 | 2892.480 | 195.835 | 37251.632 | 1927.734 | 28.646 | 65.104 |
| σ | | 118.934 | 42.820 | 72.390 | 25.005 | 24.424 | 234.771 | 20.810 | 5.487 | 5.487 |
| %RSD | | 0.998 | 13.303 | 2.014 | 0.864 | 12.472 | 0.630 | 1.080 | 19.156 | 8.429 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:28:09 | 1054.726 | 470.320 | 259.377 | 133.334 | 40.625 | 40.625 | 169.272 | 24.479 | 21.875 |
| 2 | 21:29:17 | 1057.852 | 523.447 | 301.566 | 148.959 | 68.750 | 68.750 | 160.938 | 28.646 | 21.354 |
| 3 | 21:30:25 | 1018.786 | 493.759 | 240.627 | 138.022 | 53.125 | 53.125 | 150.001 | 28.125 | 18.750 |
| x | | 1043.788 | 495.842 | 267.190 | 140.105 | 54.167 | 54.167 | 160.070 | 27.083 | 20.660 |
| σ | | 21.709 | 26.625 | 31.212 | 8.018 | 14.091 | 14.091 | 9.665 | 2.270 | 1.674 |
| %RSD | | 2.080 | 5.370 | 11.681 | 5.723 | 26.015 | 26.015 | 6.038 | 8.383 | 8.104 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:28:09 | 21.875 | 14.063 | 14.063 | 12.500 | 15.625 | 3.125 | 164543.750 | 92.188 | 4.688 |
| 2 | 21:29:17 | 18.750 | 17.188 | 12.500 | 15.625 | 15.625 | 3.125 | 159725.460 | 112.500 | 3.125 |
| 3 | 21:30:25 | 26.563 | 14.063 | 20.313 | 21.875 | 17.188 | 6.250 | 165801.920 | 100.000 | 1.563 |
| x | | 22.396 | 15.104 | 15.625 | 16.667 | 16.146 | 4.167 | 163357.040 | 101.563 | 3.125 |
| σ | | 3.932 | 1.804 | 4.134 | 4.774 | 0.902 | 1.804 | 3207.341 | 10.246 | 1.563 |
| %RSD | | 17.558 | 11.945 | 26.458 | 28.641 | 5.587 | 43.301 | 1.963 | 10.088 | 50.000 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:28:09 | 0.000 | 0.000 | 1.563 | 1.563 | 67.188 | 9.375 | 164.063 | 326.566 | 436478.580 |
| 2 | 21:29:17 | 0.000 | 0.000 | 3.125 | 4.688 | 40.625 | 18.750 | 168.751 | 318.754 | 431414.110 |
| 3 | 21:30:25 | 0.000 | 0.000 | 1.563 | 1.563 | 54.688 | 18.750 | 192.189 | 295.316 | 445465.310 |
| x | | 0.000 | 0.000 | 2.083 | 2.604 | 54.167 | 15.625 | 175.001 | 313.545 | 437786.000 |
| σ | | 0.000 | 0.000 | 0.902 | 1.804 | 13.289 | 5.413 | 15.068 | 16.263 | 7116.255 |
| %RSD | | 0.000 | 0.000 | 43.301 | 69.282 | 24.533 | 34.641 | 8.610 | 5.187 | 1.626 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:28:09 | 474840.690 | 51.563 | 106.250 | 418.756 | 362.505 | 878.152 | 434995.290 | 3184.730 |
| 2 | 21:29:17 | 465914.840 | 37.500 | 101.563 | 396.881 | 359.380 | 959.407 | 424025.900 | 3350.393 |
| 3 | 21:30:25 | 483679.940 | 31.250 | 95.313 | 384.380 | 384.380 | 1037.538 | 445865.000 | 3225.364 |
| x | | 474811.820 | 40.104 | 101.042 | 400.006 | 368.755 | 958.366 | 434962.060 | 3253.496 |
| σ | | 8882.585 | 10.404 | 5.487 | 17.400 | 13.622 | 79.698 | 10919.586 | 86.340 |
| %RSD | | 1.871 | 25.942 | 5.431 | 4.350 | 3.694 | 8.316 | 2.510 | 2.654 |

**CCV** 05/01/2011 09:34:58 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:36:06 | 14113.218 | 24426.073 | 4738.286 | 268.753 | 19146731.000 | 13107478.000 | 1765468.100 | 2108105.900 | 2997980.900 |
| 2 | 21:37:15 | 13670.600 | 24833.023 | 4853.950 | 298.441 | 19792203.000 | 13295203.000 | 1803765.300 | 2135057.100 | 3083026.300 |
| 3 | 21:38:23 | 13690.932 | 24240.862 | 4974.303 | 332.816 | 19374909.000 | 13003877.000 | 1749872.900 | 2080754.100 | 2986357.300 |
| x | | 13824.917 | 24499.986 | 4855.513 | 300.003 | 19437948.000 | 13135519.000 | 1773035.400 | 2107972.400 | 3022454.800 |
| σ | | 249.883 | 302.921 | 118.017 | 32.060 | 327320.980 | 147673.490 | 27731.678 | 27151.740 | 52777.380 |
| %RSD | | 1.807 | 1.236 | 2.431 | 10.687 | 1.684 | 1.124 | 1.564 | 1.288 | 1.746 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:36:06 | 29647.605 | 149307.440 | 14341.570 | 66369.439 | 8848110.200 | 46372.820 | 677579.550 | 52891.482 | 21714.929 |
| 2 | 21:37:15 | 29220.862 | 152386.570 | 14313.417 | 65901.656 | 9000719.500 | 46522.328 | 676994.980 | 51262.121 | 21804.127 |
| 3 | 21:38:23 | 29900.490 | 147941.780 | 14296.212 | 66752.468 | 8828182.100 | 46772.467 | 665524.420 | 52373.955 | 21696.150 |
| x | | 29589.652 | 149878.600 | 14317.066 | 66341.188 | 8892337.300 | 46555.872 | 673366.320 | 52175.853 | 21738.402 |
| σ | | 343.501 | 2276.777 | 22.898 | 426.109 | 94389.140 | 201.924 | 6797.572 | 832.549 | 57.689 |
| %RSD | | 1.161 | 1.519 | 0.160 | 0.642 | 1.061 | 0.434 | 1.009 | 1.596 | 0.265 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:36:06 | 337481.940 | 319350.320 | 41671.627 | 1191492.500 | 907143.640 | 20652818.000 | 509822.540 | 383729.130 | 82484.318 |
| 2 | 21:37:15 | 343107.340 | 323827.560 | 42079.069 | 1221732.600 | 923046.650 | 21025907.000 | 516931.180 | 387990.380 | 83953.778 |
| 3 | 21:38:23 | 333857.640 | 316998.810 | 41444.405 | 1212462.400 | 899521.070 | 20416553.000 | 508849.260 | 381996.100 | 82633.614 |
| x | | 338148.970 | 320058.890 | 41731.701 | 1208562.500 | 909903.790 | 20698426.000 | 511867.660 | 384571.870 | 83023.903 |
| σ | | 4660.787 | 3469.079 | 321.568 | 15492.659 | 12003.209 | 307226.610 | 4412.057 | 3084.718 | 808.748 |
| %RSD | | 1.378 | 1.084 | 0.771 | 1.282 | 1.319 | 1.484 | 0.862 | 0.802 | 0.974 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:36:06 | 416865.020 | 200037.660 | 153359.400 | 60305.665 | 4072.455 | 4072.455 | 12914.168 | 5480.218 | 23.438 |
| 2 | 21:37:15 | 427371.860 | 203431.970 | 154875.620 | 61473.125 | 4028.693 | 4028.693 | 12943.361 | 5535.447 | 17.188 |
| 3 | 21:38:23 | 413572.950 | 200734.840 | 153270.960 | 60537.371 | 3908.347 | 3908.347 | 12748.915 | 5472.402 | 18.229 |
| x | | 419269.940 | 201401.490 | 153835.330 | 60772.054 | 4003.165 | 4003.165 | 12868.815 | 5496.022 | 19.618 |
| σ | | 7206.957 | 1792.664 | 902.009 | 618.100 | 84.980 | 84.980 | 104.857 | 34.366 | 3.348 |
| %RSD | | 1.719 | 0.890 | 0.586 | 1.017 | 2.123 | 2.123 | 0.815 | 0.625 | 17.068 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:36:06 | 85096.447 | 128795.170 | 141844.470 | 81187.860 | 212335.130 | 4.688 | 145540.740 | 8866.813 | 401218.650 |
| 2 | 21:37:15 | 87968.452 | 131742.170 | 144595.280 | 83185.239 | 218295.840 | 3.125 | 141135.940 | 8890.265 | 405882.020 |
| 3 | 21:38:23 | 85646.595 | 128000.580 | 140268.080 | 81443.999 | 214817.130 | 6.250 | 144857.280 | 8641.676 | 397742.190 |
| x | | 86237.164 | 129512.640 | 142235.940 | 81939.033 | 215149.370 | 4.688 | 143844.650 | 8799.585 | 401614.290 |
| σ | | 1524.363 | 1971.284 | 2190.000 | 1086.819 | 2994.211 | 1.563 | 2370.578 | 137.255 | 4084.313 |
| %RSD | | 1.768 | 1.522 | 1.540 | 1.326 | 1.392 | 33.333 | 1.648 | 1.560 | 1.017 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:36:06 | 6334.217 | 6334.217 | 393405.810 | 100365.390 | 274703.520 | 386330.670 | 356188.920 | 635205.500 | 410058.150 |
| 2 | 21:37:15 | 6635.916 | 6635.916 | 396539.110 | 102230.110 | 278561.530 | 395586.690 | 362632.390 | 643964.550 | 402063.800 |
| 3 | 21:38:23 | 6570.261 | 6570.261 | 396062.090 | 99644.747 | 273480.380 | 386391.660 | 357528.000 | 636926.520 | 410585.480 |
| x | | 6513.464 | 6513.464 | 395335.670 | 100746.750 | 275581.810 | 389436.340 | 358783.100 | 638698.860 | 407569.140 |
| σ | | 158.666 | 158.666 | 1688.242 | 1334.202 | 2651.991 | 5326.444 | 3400.156 | 4640.705 | 4775.054 |
| %RSD | | 2.436 | 2.436 | 0.427 | 1.324 | 0.962 | 1.368 | 0.948 | 0.727 | 1.172 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:36:06 | 447338.120 | 838130.860 | 2021704.700 | 669379.670 | 632415.400 | 1497864.200 | 404617.200 | 4004185.100 |
| 2 | 21:37:15 | 434154.660 | 847063.420 | 2035501.400 | 678496.570 | 641105.810 | 1504450.700 | 389513.810 | 4022727.800 |
| 3 | 21:38:23 | 444342.070 | 829211.990 | 2003070.600 | 663381.230 | 633014.520 | 1486133.500 | 398747.770 | 3960562.500 |
| x | | 441944.950 | 838135.420 | 2020092.300 | 670419.160 | 635511.910 | 1496149.500 | 397626.260 | 3995825.200 |
| σ | | 6910.898 | 8925.714 | 16275.418 | 7611.098 | 4853.713 | 9278.237 | 7613.896 | 31914.705 |
| %RSD | | 1.564 | 1.065 | 0.806 | 1.135 | 0.764 | 0.620 | 1.915 | 0.799 |

**CCB** 05/01/2011 09:42:55 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:44:03 | 15037.598 | 33.333 | 146.876 | 204.689 | 145927.470 | 16905.309 | 2298.622 | 2792.460 | 4161.544 |
| 2 | 21:45:11 | 15342.609 | 16.146 | 143.751 | 214.064 | 133276.620 | 10843.176 | 1454.762 | 1754.795 | 2670.562 |
| 3 | 21:46:19 | 14849.902 | 13.021 | 101.563 | 226.564 | 124535.780 | 6224.793 | 843.775 | 1032.850 | 1846.994 |
| x | | 15076.703 | 20.833 | 130.730 | 215.106 | 134579.960 | 11324.426 | 1532.386 | 1860.035 | 2893.033 |
| σ | | 248.671 | 10.938 | 25.308 | 10.975 | 10755.237 | 5356.497 | 730.523 | 884.513 | 1173.203 |
| %RSD | | 1.649 | 52.500 | 19.359 | 5.102 | 7.992 | 47.300 | 47.672 | 47.554 | 40.553 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:44:03 | 671.891 | 1196.925 | 15242.502 | 68564.143 | 94843.481 | 60.938 | 1298.497 | 54329.676 | 35.938 |
| 2 | 21:45:11 | 503.134 | 982.846 | 15613.215 | 69895.571 | 89463.632 | 50.000 | 871.902 | 55562.530 | 35.938 |
| 3 | 21:46:19 | 496.884 | 903.154 | 15764.944 | 70693.232 | 85512.985 | 14.063 | 571.886 | 55168.821 | 76.563 |
| x | | 557.303 | 1027.642 | 15540.220 | 69717.649 | 89940.033 | 41.667 | 914.095 | 55020.342 | 49.479 |
| σ | | 99.285 | 151.922 | 268.761 | 1075.638 | 4683.456 | 24.524 | 365.138 | 629.695 | 23.455 |
| %RSD | | 17.815 | 14.784 | 1.729 | 1.543 | 5.207 | 58.856 | 39.945 | 1.144 | 47.404 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:44:03 | 8547.869 | 570.324 | 2701.818 | 4113.092 | 1336.000 | 54359.477 | 1653.221 | 479.696 | 114.063 |
| 2 | 21:45:11 | 8252.383 | 498.446 | 2753.390 | 3295.693 | 860.963 | 46536.612 | 1400.069 | 290.628 | 120.313 |
| 3 | 21:46:19 | 7952.213 | 398.443 | 2678.376 | 3180.041 | 526.572 | 39687.865 | 1379.754 | 171.876 | 59.375 |
| x | | 8250.822 | 489.071 | 2711.195 | 3529.609 | 907.845 | 46861.318 | 1477.681 | 314.067 | 97.917 |
| σ | | 297.831 | 86.323 | 38.376 | 508.609 | 406.745 | 7341.194 | 152.361 | 155.243 | 33.524 |
| %RSD | | 3.610 | 17.650 | 1.415 | 14.410 | 44.803 | 15.666 | 10.311 | 49.430 | 34.237 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:44:03 | 543.760 | 275.003 | 239.065 | 161.980 | 32.813 | 32.813 | 137.501 | 23.438 | 17.188 |
| 2 | 21:45:11 | 378.130 | 182.814 | 178.126 | 133.334 | 29.688 | 29.688 | 132.813 | 28.646 | 22.917 |
| 3 | 21:46:19 | 250.002 | 109.375 | 151.563 | 106.250 | 20.313 | 20.313 | 139.584 | 16.146 | 20.833 |
| x | | 390.631 | 189.064 | 189.585 | 133.855 | 27.604 | 27.604 | 136.633 | 22.743 | 20.313 |
| σ | | 147.278 | 82.990 | 44.862 | 27.868 | 6.505 | 6.505 | 3.468 | 6.279 | 2.900 |
| %RSD | | 37.702 | 43.895 | 23.663 | 20.820 | 23.566 | 23.566 | 2.538 | 27.608 | 14.276 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:44:03 | 245.315 | 314.066 | 406.256 | 214.064 | 573.449 | 3.125 | 150696.910 | 110.938 | 576.574 |
| 2 | 21:45:11 | 176.564 | 245.315 | 231.252 | 182.814 | 370.317 | 3.125 | 155423.720 | 114.063 | 309.378 |
| 3 | 21:46:19 | 82.813 | 159.376 | 207.814 | 114.063 | 257.815 | 4.688 | 152312.350 | 109.375 | 162.501 |
| x | | 168.230 | 239.585 | 281.774 | 170.314 | 400.527 | 3.646 | 152810.990 | 111.459 | 349.484 |
| σ | | 81.571 | 77.504 | 108.440 | 51.159 | 159.971 | 0.902 | 2402.530 | 2.387 | 209.930 |
| %RSD | | 48.488 | 32.349 | 38.485 | 30.038 | 39.940 | 24.744 | 1.572 | 2.141 | 60.068 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:44:03 | 12.500 | 12.500 | 587.512 | 95.313 | 515.634 | 882.840 | 429.694 | 815.648 | 407328.580 |
| 2 | 21:45:11 | 9.375 | 9.375 | 292.190 | 73.438 | 350.004 | 521.885 | 289.065 | 546.885 | 418610.270 |
| 3 | 21:46:19 | 4.688 | 4.688 | 206.251 | 39.063 | 248.440 | 395.318 | 145.313 | 285.940 | 412194.900 |
| x | | 8.854 | 8.854 | 361.985 | 69.271 | 371.359 | 600.014 | 288.024 | 549.491 | 412711.250 |
| σ | | 3.932 | 3.932 | 199.983 | 28.356 | 134.871 | 252.977 | 142.193 | 264.864 | 5658.543 |
| %RSD | | 44.411 | 44.411 | 55.246 | 40.934 | 36.318 | 42.162 | 49.368 | 48.202 | 1.371 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:44:03 | 445431.470 | 1348.501 | 3165.976 | 900.028 | 826.586 | 1948.570 | 412153.100 | 4422.560 |
| 2 | 21:45:11 | 448640.520 | 723.456 | 1815.740 | 520.322 | 528.135 | 1193.800 | 420885.040 | 2770.581 |
| 3 | 21:46:19 | 447623.410 | 390.630 | 934.406 | 348.442 | 264.065 | 728.144 | 413043.900 | 1423.508 |
| x | | 447231.800 | 820.862 | 1972.041 | 589.597 | 539.595 | 1290.171 | 415360.680 | 2872.216 |
| σ | | 1639.975 | 486.308 | 1123.966 | 282.243 | 281.436 | 615.894 | 4804.924 | 1502.107 |
| %RSD | | 0.367 | 59.244 | 56.995 | 47.871 | 52.157 | 47.737 | 1.157 | 52.298 |

**C1881-06 MF3TC9** 05/01/2011 09:50:52 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:52:00 | 15932.317 | 21.354 | 9676.714 | 368.755 | 100173490.000 | 20773668.000 | 2817783.300 | 3354190.700 | 3514.569 |
| 2 | 21:53:08 | 15367.636 | 19.271 | 9590.718 | 376.567 | 101157210.000 | 20714899.000 | 2809904.200 | 3363586.200 | 3362.763 |
| 3 | 21:54:16 | 15081.394 | 11.458 | 9740.820 | 437.507 | 101601560.000 | 21105833.000 | 2855289.900 | 3423563.400 | 2635.142 |
| x | | 15460.449 | 17.361 | 9669.417 | 394.276 | 100977420.000 | 20864800.000 | 2827659.100 | 3380446.800 | 3170.825 |
| σ | | 432.987 | 5.217 | 75.316 | 37.642 | 730815.470 | 210798.930 | 24251.073 | 37634.455 | 470.083 |
| %RSD | | 2.801 | 30.050 | 0.779 | 9.547 | 0.724 | 1.010 | 0.858 | 1.113 | 14.825 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:52:00 | 1257527.300 | 867.214 | 332010.640 | 589892.050 | 3301587.000 | 314745.650 | 5130431.300 | 61217.645 | 114.063 |
| 2 | 21:53:08 | 1273394.700 | 821.899 | 334147.100 | 600485.620 | 3303393.000 | 316827.270 | 5143507.100 | 60293.706 | 95.313 |
| 3 | 21:54:16 | 1286384.700 | 787.522 | 338081.820 | 615234.330 | 3328587.400 | 317896.830 | 5199616.700 | 58585.291 | 103.125 |
| x | | 1272435.500 | 825.545 | 334746.520 | 601870.670 | 3311189.200 | 316489.920 | 5157851.700 | 60032.214 | 104.167 |
| σ | | 14452.609 | 39.971 | 3079.653 | 12727.787 | 15094.354 | 1602.443 | 36755.698 | 1335.517 | 9.418 |
| %RSD | | 1.136 | 4.842 | 0.920 | 2.115 | 0.456 | 0.506 | 0.713 | 2.225 | 9.042 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:52:00 | 77094.967 | 1031.287 | 18767.006 | 3195.670 | 954.719 | 57957.956 | 25921.934 | 681.266 | 876.589 |
| 2 | 21:53:08 | 80207.345 | 1034.412 | 19690.123 | 3136.282 | 921.905 | 56342.137 | 25760.706 | 585.950 | 926.593 |
| 3 | 21:54:16 | 84491.308 | 953.157 | 20865.226 | 2972.184 | 701.580 | 52246.929 | 26701.493 | 540.635 | 904.716 |
| x | | 80597.873 | 1006.286 | 19774.119 | 3101.379 | 859.401 | 55515.674 | 26128.044 | 602.617 | 902.633 |
| σ | | 3713.603 | 46.037 | 1051.629 | 115.759 | 137.659 | 2943.848 | 503.122 | 71.782 | 25.067 |
| %RSD | | 4.608 | 4.575 | 5.318 | 3.733 | 16.018 | 5.303 | 1.926 | 11.912 | 2.777 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:52:00 | 9965.975 | 4722.655 | 17454.406 | 1621.446 | 415.631 | 415.631 | 817.732 | 396.881 | 21.354 |
| 2 | 21:53:08 | 9887.796 | 4722.655 | 17405.910 | 1650.616 | 539.073 | 539.073 | 801.585 | 418.235 | 27.083 |
| 3 | 21:54:16 | 9822.125 | 4641.379 | 17435.634 | 1746.982 | 529.697 | 529.697 | 855.234 | 429.173 | 21.354 |
| x | | 9891.965 | 4695.563 | 17431.983 | 1673.015 | 494.800 | 494.800 | 824.850 | 414.763 | 23.264 |
| σ | | 72.015 | 46.925 | 24.454 | 65.697 | 68.723 | 68.723 | 27.524 | 16.424 | 3.308 |
| %RSD | | 0.728 | 0.999 | 0.140 | 3.927 | 13.889 | 13.889 | 3.337 | 3.960 | 14.218 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:52:00 | 1816.122 | 365.630 | 406.256 | 287.503 | 600.013 | 0.000 | 136494.290 | 114.063 | 225.002 |
| 2 | 21:53:08 | 1307.127 | 425.006 | 418.756 | 267.190 | 637.514 | 0.000 | 135984.770 | 106.250 | 140.626 |
| 3 | 21:54:16 | 1363.682 | 357.817 | 396.881 | 232.814 | 560.949 | 0.000 | 132562.210 | 104.688 | 92.188 |
| x | | 1495.644 | 382.818 | 407.297 | 262.502 | 599.492 | 0.000 | 135013.760 | 108.334 | 152.605 |
| σ | | 278.979 | 36.745 | 10.975 | 27.644 | 38.286 | 0.000 | 2138.334 | 5.023 | 67.212 |
| %RSD | | 18.653 | 9.598 | 2.695 | 10.531 | 6.386 | 0.000 | 1.584 | 4.636 | 44.043 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:52:00 | 0.000 | 0.000 | 159.376 | 73.438 | 392.193 | 421.881 | 6551.502 | 11367.021 | 390043.600 |
| 2 | 21:53:08 | 6.250 | 6.250 | 123.438 | 31.250 | 382.818 | 296.878 | 6313.895 | 11587.510 | 391149.800 |
| 3 | 21:54:16 | 7.813 | 7.813 | 81.250 | 32.813 | 354.692 | 217.189 | 6571.824 | 11868.991 | 386661.310 |
| x | | 4.688 | 4.688 | 121.355 | 45.833 | 376.567 | 311.983 | 6479.074 | 11607.841 | 389284.910 |
| σ | | 4.134 | 4.134 | 39.104 | 23.919 | 19.516 | 103.179 | 143.409 | 251.602 | 2338.452 |
| %RSD | | 88.192 | 88.192 | 32.223 | 52.186 | 5.183 | 33.072 | 2.213 | 2.168 | 0.601 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:52:00 | 426765.060 | 681.266 | 1504.767 | 4514.776 | 4133.410 | 10112.953 | 374249.760 | 95219.407 |
| 2 | 21:53:08 | 426739.300 | 434.382 | 971.908 | 4611.682 | 4295.958 | 10158.298 | 372365.530 | 97011.088 |
| 3 | 21:54:16 | 419322.910 | 270.315 | 693.767 | 4635.127 | 3978.679 | 9800.235 | 362465.740 | 98672.408 |
| x | | 424275.760 | 461.988 | 1056.814 | 4587.195 | 4136.016 | 10023.829 | 369693.680 | 96967.634 |
| σ | | 4289.311 | 206.862 | 412.113 | 63.803 | 158.656 | 194.960 | 6330.073 | 1726.911 |
| %RSD | | 1.011 | 44.776 | 38.996 | 1.391 | 3.836 | 1.945 | 1.712 | 1.781 |

**C1881-07 MF3TD7** 05/01/2011 09:58:49 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:59:57 | 15118.934 | 6.771 | 14340.006 | 393.755 | 124192100.000 | 15756647.000 | 2144761.000 | 2537282.000 | 1092.229 |
| 2 | 22:01:05 | 14655.952 | 8.854 | 14038.144 | 415.631 | 123410650.000 | 15573887.000 | 2120462.600 | 2503119.700 | 987.534 |
| 3 | 22:02:13 | 15680.476 | 2.083 | 14487.029 | 357.817 | 123087910.000 | 15556609.000 | 2109935.800 | 2511854.700 | 928.155 |
| x | | 15151.787 | 5.903 | 14288.393 | 389.068 | 123563550.000 | 15629048.000 | 2125053.100 | 2517418.800 | 1002.640 |
| σ | | 513.052 | 3.468 | 228.850 | 29.191 | 567751.960 | 110841.140 | 17860.665 | 17747.856 | 83.074 |
| %RSD | | 3.386 | 58.750 | 1.602 | 7.503 | 0.459 | 0.709 | 0.840 | 0.705 | 8.285 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:59:57 | 1607987.600 | 829.712 | 341422.370 | 555383.680 | 1645987.000 | 152013.880 | 2644993.800 | 52681.333 | 140.626 |
| 2 | 22:01:05 | 1615656.700 | 764.083 | 339980.780 | 559853.170 | 1636838.700 | 152891.930 | 2630290.700 | 51771.766 | 115.625 |
| 3 | 22:02:13 | 1614170.700 | 712.518 | 341100.760 | 563553.870 | 1635845.700 | 151037.990 | 2632689.700 | 55124.902 | 123.438 |
| x | | 1612605.000 | 768.771 | 340834.640 | 559596.910 | 1639557.100 | 151981.270 | 2635991.400 | 53192.667 | 126.563 |
| σ | | 4067.218 | 58.737 | 756.743 | 4091.116 | 5590.520 | 927.400 | 7888.005 | 1734.064 | 12.790 |
| %RSD | | 0.252 | 7.640 | 0.222 | 0.731 | 0.341 | 0.610 | 0.299 | 3.260 | 10.105 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:59:57 | 106774.100 | 1026.599 | 19744.886 | 2740.888 | 506.259 | 41105.929 | 13004.354 | 335.941 | 454.695 |
| 2 | 22:01:05 | 109850.420 | 1053.164 | 20855.838 | 2564.293 | 462.507 | 40187.697 | 12363.160 | 329.691 | 445.319 |
| 3 | 22:02:13 | 110387.350 | 1067.227 | 21236.085 | 2715.883 | 459.382 | 40422.734 | 13007.482 | 326.566 | 389.068 |
| x | | 109003.960 | 1048.997 | 20612.269 | 2673.688 | 476.050 | 40572.120 | 12791.665 | 330.733 | 429.694 |
| σ | | 1949.682 | 20.632 | 774.863 | 95.560 | 26.209 | 476.996 | 371.100 | 4.774 | 35.494 |
| %RSD | | 1.789 | 1.967 | 3.759 | 3.574 | 5.505 | 1.176 | 2.901 | 1.443 | 8.260 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:59:57 | 1243.804 | 596.887 | 807.835 | 2366.342 | 392.193 | 392.193 | 513.030 | 243.231 | 18.229 |
| 2 | 22:01:05 | 1175.048 | 575.012 | 842.212 | 2439.792 | 382.818 | 382.818 | 504.176 | 232.294 | 13.542 |
| 3 | 22:02:13 | 1240.679 | 593.762 | 825.024 | 2383.532 | 343.754 | 343.754 | 516.155 | 240.627 | 18.750 |
| x | | 1219.844 | 588.554 | 825.024 | 2396.555 | 372.922 | 372.922 | 511.120 | 238.717 | 16.840 |
| σ | | 38.825 | 11.832 | 17.188 | 38.418 | 25.691 | 25.691 | 6.214 | 5.713 | 2.869 |
| %RSD | | 3.183 | 2.010 | 2.083 | 1.603 | 6.889 | 6.889 | 1.216 | 2.393 | 17.034 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:59:57 | 1710.082 | 792.209 | 925.030 | 557.823 | 1260.993 | 1.563 | 135544.680 | 98.438 | 96.875 |
| 2 | 22:01:05 | 1579.298 | 793.772 | 935.968 | 584.387 | 1345.376 | 3.125 | 134629.840 | 79.688 | 62.500 |
| 3 | 22:02:13 | 1883.282 | 867.214 | 829.712 | 545.323 | 1375.066 | 1.563 | 139427.090 | 96.875 | 50.000 |
| x | | 1724.221 | 817.732 | 896.903 | 562.511 | 1327.145 | 2.083 | 136533.870 | 91.667 | 69.792 |
| σ | | 152.484 | 42.860 | 58.446 | 19.949 | 59.181 | 0.902 | 2547.012 | 10.404 | 24.273 |
| %RSD | | 8.844 | 5.241 | 6.516 | 3.546 | 4.459 | 43.301 | 1.865 | 11.349 | 34.780 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:59:57 | 1.563 | 1.563 | 87.500 | 28.125 | 103.125 | 154.688 | 3850.519 | 7128.341 | 396392.950 |
| 2 | 22:01:05 | 3.125 | 3.125 | 87.500 | 28.125 | 93.750 | 165.626 | 3780.188 | 7231.517 | 397840.170 |
| 3 | 22:02:13 | 4.688 | 4.688 | 50.000 | 15.625 | 106.250 | 165.626 | 3895.844 | 6978.267 | 410903.810 |
| x | | 3.125 | 3.125 | 75.000 | 23.958 | 101.042 | 161.980 | 3842.183 | 7112.708 | 401712.310 |
| σ | | 1.563 | 1.563 | 21.651 | 7.217 | 6.505 | 6.315 | 58.277 | 127.347 | 7992.893 |
| %RSD | | 50.000 | 50.000 | 28.868 | 30.123 | 6.438 | 3.899 | 1.517 | 1.790 | 1.990 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:59:57 | 430855.440 | 201.564 | 556.261 | 521.885 | 453.132 | 1239.116 | 379015.140 | 81393.714 |
| 2 | 22:01:05 | 431253.110 | 184.376 | 426.569 | 504.696 | 437.507 | 1198.488 | 381309.370 | 81796.002 |
| 3 | 22:02:13 | 445009.240 | 120.313 | 254.690 | 414.069 | 417.194 | 1020.349 | 394481.750 | 79988.938 |
| x | | 435705.930 | 168.751 | 412.506 | 480.216 | 435.944 | 1152.651 | 384935.420 | 81059.551 |
| σ | | 8059.356 | 42.820 | 151.277 | 57.927 | 18.020 | 116.364 | 8346.571 | 948.746 |
| %RSD | | 1.850 | 25.375 | 36.673 | 12.063 | 4.134 | 10.095 | 2.168 | 1.170 |

**C1881-08 MF3TE2** 05/01/2011 10:06:46 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:07:54 | 15497.464 | 3.646 | 8397.780 | 342.192 | 78348127.000 | 9917661.900 | 1339038.200 | 1599631.000 | 1098.480 |
| 2 | 22:09:02 | 15261.272 | 3.646 | 8615.097 | 328.129 | 79835574.000 | 10096850.000 | 1369572.500 | 1632290.300 | 953.157 |
| 3 | 22:10:10 | 15921.367 | 4.167 | 8447.810 | 395.318 | 78184872.000 | 9757496.600 | 1320640.000 | 1582704.600 | 832.837 |
| x | | 15560.035 | 3.819 | 8486.896 | 355.213 | 78789524.000 | 9924002.700 | 1343083.600 | 1604875.300 | 961.491 |
| σ | | 334.466 | 0.301 | 113.809 | 35.437 | 909575.900 | 169765.370 | 24715.820 | 25205.420 | 133.017 |
| %RSD | | 2.150 | 7.873 | 1.341 | 9.976 | 1.154 | 1.711 | 1.840 | 1.571 | 13.834 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:07:54 | 1327085.700 | 820.336 | 208895.910 | 533332.470 | 1755752.300 | 140488.980 | 2412121.300 | 53590.956 | 104.688 |
| 2 | 22:09:02 | 1358289.600 | 782.834 | 210601.940 | 554838.090 | 1766205.900 | 141181.700 | 2430232.000 | 54224.591 | 117.188 |
| 3 | 22:10:10 | 1316416.200 | 854.713 | 205695.280 | 541769.320 | 1733672.100 | 136809.780 | 2368046.900 | 56654.305 | 106.250 |
| x | | 1333930.500 | 819.294 | 208397.710 | 543313.290 | 1751876.800 | 139493.490 | 2403466.700 | 54823.284 | 109.375 |
| σ | | 21759.708 | 35.951 | 2490.978 | 10835.626 | 16609.539 | 2349.824 | 31983.150 | 1617.050 | 6.811 |
| %RSD | | 1.631 | 4.388 | 1.195 | 1.994 | 0.948 | 1.685 | 1.331 | 2.950 | 6.227 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:07:54 | 91737.358 | 985.972 | 20757.257 | 3090.959 | 582.824 | 47613.590 | 12234.925 | 271.878 | 331.254 |
| 2 | 22:09:02 | 96174.208 | 1025.037 | 22104.588 | 3130.030 | 592.200 | 47699.814 | 12923.030 | 289.065 | 323.441 |
| 3 | 22:10:10 | 97519.218 | 921.905 | 22638.235 | 3089.397 | 621.889 | 46687.102 | 12430.406 | 237.502 | 289.065 |
| x | | 95143.595 | 977.638 | 21833.360 | 3103.462 | 598.971 | 47333.502 | 12529.453 | 266.148 | 314.587 |
| σ | | 3025.574 | 52.069 | 969.378 | 23.022 | 20.393 | 561.457 | 354.584 | 26.255 | 22.445 |
| %RSD | | 3.180 | 5.326 | 4.440 | 0.742 | 3.405 | 1.186 | 2.830 | 9.865 | 7.135 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:07:54 | 617.201 | 301.566 | 964.095 | 1928.255 | 312.503 | 312.503 | 342.712 | 172.397 | 18.229 |
| 2 | 22:09:02 | 659.390 | 320.316 | 982.846 | 1942.840 | 370.317 | 370.317 | 366.671 | 145.313 | 15.625 |
| 3 | 22:10:10 | 614.076 | 321.879 | 975.033 | 1942.320 | 323.441 | 323.441 | 346.879 | 152.605 | 21.354 |
| x | | 630.222 | 314.587 | 973.992 | 1937.805 | 335.421 | 335.421 | 352.088 | 156.772 | 18.403 |
| σ | | 25.308 | 11.304 | 9.419 | 8.275 | 30.712 | 30.712 | 12.801 | 14.014 | 2.869 |
| %RSD | | 4.016 | 3.593 | 0.967 | 0.427 | 9.156 | 9.156 | 3.636 | 8.939 | 15.587 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:07:54 | 396.881 | 742.207 | 820.336 | 482.821 | 1293.809 | 1.563 | 139529.650 | 85.938 | 118.750 |
| 2 | 22:09:02 | 1317.732 | 764.083 | 882.840 | 487.508 | 1176.611 | 6.250 | 139892.550 | 75.000 | 100.000 |
| 3 | 22:10:10 | 401.568 | 779.709 | 835.962 | 454.695 | 1137.545 | 1.563 | 146459.430 | 120.313 | 34.375 |
| x | | 705.393 | 762.000 | 846.379 | 475.008 | 1202.655 | 3.125 | 141960.540 | 93.750 | 84.375 |
| σ | | 530.306 | 18.838 | 32.528 | 17.747 | 81.322 | 2.706 | 3900.376 | 23.645 | 44.305 |
| %RSD | | 75.179 | 2.472 | 3.843 | 3.736 | 6.762 | 86.603 | 2.748 | 25.221 | 52.509 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:07:54 | 3.125 | 3.125 | 98.438 | 17.188 | 87.500 | 129.688 | 6259.183 | 11304.471 | 401756.900 |
| 2 | 22:09:02 | 6.250 | 6.250 | 70.313 | 9.375 | 90.625 | 135.938 | 6248.241 | 11263.814 | 398871.470 |
| 3 | 22:10:10 | 1.563 | 1.563 | 37.500 | 7.813 | 67.188 | 82.813 | 6159.140 | 10865.068 | 416979.220 |
| x | | 3.646 | 3.646 | 68.750 | 11.458 | 81.771 | 116.146 | 6222.188 | 11144.451 | 405869.200 |
| σ | | 2.387 | 2.387 | 30.499 | 5.023 | 12.726 | 29.036 | 54.875 | 242.805 | 9729.129 |
| %RSD | | 65.465 | 65.465 | 44.362 | 43.835 | 15.563 | 25.000 | 0.882 | 2.179 | 2.397 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:07:54 | 437809.000 | 126.563 | 287.503 | 210.939 | 212.502 | 523.447 | 383985.890 | 87771.936 |
| 2 | 22:09:02 | 433344.680 | 92.188 | 212.502 | 221.877 | 195.314 | 471.883 | 382921.960 | 88048.631 |
| 3 | 22:10:10 | 453088.590 | 42.188 | 107.813 | 204.689 | 181.251 | 334.379 | 398866.650 | 85121.596 |
| x | | 441414.090 | 86.979 | 202.606 | 212.502 | 196.356 | 443.236 | 388591.500 | 86980.721 |
| σ | | 10353.885 | 42.428 | 90.253 | 8.700 | 15.651 | 97.735 | 8914.422 | 1615.983 |
| %RSD | | 2.346 | 48.780 | 44.546 | 4.094 | 7.971 | 22.050 | 2.294 | 1.858 |

**C1881-09 MF3TE3** 05/01/2011 10:14:44 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:15:52 | 16345.283 | 3.646 | 13051.272 | 432.819 | 153545440.000 | 22758531.000 | 3085266.500 | 3653829.700 | 1198.220 |
| 2 | 22:17:00 | 15577.238 | 0.521 | 12100.435 | 375.005 | 147739680.000 | 22095234.000 | 2960669.700 | 3505272.700 | 1025.475 |
| 3 | 22:18:08 | 15051.675 | 3.125 | 12333.447 | 368.755 | 148812600.000 | 22092214.000 | 3027943.500 | 3605601.400 | 1200.837 |
| x | | 15658.065 | 2.431 | 12495.051 | 392.193 | 150032570.000 | 22315326.000 | 3024626.600 | 3588234.600 | 1141.511 |
| σ | | 650.581 | 1.674 | 495.590 | 35.322 | 3089169.100 | 383829.410 | 62364.601 | 75785.871 | 100.498 |
| %RSD | | 4.155 | 68.883 | 3.966 | 9.006 | 2.059 | 1.720 | 2.062 | 2.112 | 8.804 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:15:52 | 1520115.700 | 795.335 | 397048.280 | 595349.080 | 2126190.300 | 233915.140 | 4053821.700 | 60964.870 | 101.563 |
| 2 | 22:17:00 | 1450892.500 | 703.142 | 375009.930 | 586080.510 | 2070121.900 | 226357.350 | 3926286.600 | 59767.817 | 109.375 |
| 3 | 22:18:08 | 1472715.100 | 720.331 | 385252.120 | 605542.500 | 2089130.100 | 231075.740 | 3987711.600 | 56824.577 | 112.500 |
| x | | 1481241.100 | 739.603 | 385770.110 | 595657.360 | 2095147.400 | 230449.410 | 3989273.300 | 59185.754 | 107.813 |
| σ | | 35390.464 | 49.025 | 11028.302 | 9734.659 | 28514.416 | 3817.629 | 63781.861 | 2130.635 | 5.634 |
| %RSD | | 2.389 | 6.629 | 2.859 | 1.634 | 1.361 | 1.657 | 1.599 | 3.600 | 5.225 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:15:52 | 91259.311 | 1114.106 | 20142.315 | 4716.403 | 284.378 | 79380.873 | 21743.097 | 473.445 | 662.515 |
| 2 | 22:17:00 | 91416.562 | 1056.289 | 20896.522 | 4688.269 | 304.691 | 76183.849 | 19787.132 | 426.569 | 643.765 |
| 3 | 22:18:08 | 94137.270 | 1139.108 | 21143.760 | 4521.028 | 331.254 | 76097.453 | 19492.978 | 429.694 | 665.641 |
| x | | 92271.048 | 1103.168 | 20727.533 | 4641.900 | 306.774 | 77220.725 | 20341.069 | 443.236 | 657.307 |
| σ | | 1618.108 | 42.479 | 521.672 | 105.619 | 23.507 | 1871.242 | 1223.067 | 26.209 | 11.832 |
| %RSD | | 1.754 | 3.851 | 2.517 | 2.275 | 7.663 | 2.423 | 6.013 | 5.913 | 1.800 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:15:52 | 165302.430 | 79402.869 | 1029.725 | 1990.764 | 423.444 | 423.444 | 682.829 | 379.172 | 18.229 |
| 2 | 22:17:00 | 158205.570 | 75809.993 | 942.219 | 2003.786 | 489.071 | 489.071 | 684.391 | 332.296 | 20.833 |
| 3 | 22:18:08 | 160000.390 | 77550.548 | 1003.160 | 1978.783 | 476.570 | 476.570 | 667.203 | 342.712 | 20.313 |
| x | | 161169.460 | 77587.804 | 991.701 | 1991.111 | 463.028 | 463.028 | 678.141 | 351.393 | 19.792 |
| σ | | 3690.044 | 1796.728 | 44.864 | 12.505 | 34.846 | 34.846 | 9.505 | 24.614 | 1.378 |
| %RSD | | 2.290 | 2.316 | 4.524 | 0.628 | 7.526 | 7.526 | 1.402 | 7.005 | 6.963 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:15:52 | 1381.356 | 401.568 | 467.195 | 332.816 | 671.891 | 1.563 | 136912.320 | 87.500 | 175.001 |
| 2 | 22:17:00 | 904.173 | 414.069 | 434.382 | 312.503 | 673.453 | 0.000 | 134114.090 | 110.938 | 59.375 |
| 3 | 22:18:08 | 1388.425 | 406.256 | 451.570 | 309.378 | 659.390 | 4.688 | 127478.750 | 79.688 | 53.125 |
| x | | 1224.651 | 407.297 | 451.049 | 318.233 | 668.245 | 2.083 | 132835.050 | 92.709 | 95.834 |
| σ | | 277.565 | 6.315 | 16.413 | 12.726 | 7.708 | 2.387 | 4845.101 | 16.263 | 68.632 |
| %RSD | | 22.665 | 1.550 | 3.639 | 3.999 | 1.153 | 114.564 | 3.647 | 17.542 | 71.616 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:15:52 | 4.688 | 4.688 | 79.688 | 3.125 | 364.067 | 115.625 | 2894.043 | 4966.488 | 393873.110 |
| 2 | 22:17:00 | 4.688 | 4.688 | 37.500 | 7.813 | 378.130 | 107.813 | 2792.460 | 5007.127 | 390868.830 |
| 3 | 22:18:08 | 3.125 | 3.125 | 42.188 | 7.813 | 323.441 | 100.000 | 2762.767 | 5261.906 | 376350.760 |
| x | | 4.167 | 4.167 | 53.125 | 6.250 | 355.213 | 107.813 | 2816.424 | 5078.507 | 387030.900 |
| σ | | 0.902 | 0.902 | 23.123 | 2.706 | 28.399 | 7.813 | 68.841 | 160.123 | 9370.460 |
| %RSD | | 21.651 | 21.651 | 43.526 | 43.301 | 7.995 | 7.246 | 2.444 | 3.153 | 2.421 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:15:52 | 429648.000 | 45.313 | 100.000 | 31096.308 | 26217.786 | 64035.385 | 369780.930 | 109489.850 |
| 2 | 22:17:00 | 429707.570 | 31.250 | 87.500 | 30739.286 | 25896.889 | 64269.244 | 369864.300 | 107140.900 |
| 3 | 22:18:08 | 408764.030 | 28.125 | 85.938 | 31177.735 | 26593.479 | 65355.405 | 360368.360 | 110842.410 |
| x | | 422706.530 | 34.896 | 91.146 | 31004.443 | 26236.051 | 64553.345 | 366671.200 | 109157.720 |
| σ | | 12074.598 | 9.155 | 7.708 | 233.214 | 348.654 | 704.378 | 5458.575 | 1872.977 |
| %RSD | | 2.856 | 26.236 | 8.456 | 0.752 | 1.329 | 1.091 | 1.489 | 1.716 |

**C1881-10 MF3TE4** 05/01/2011 10:22:43 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:23:51 | 14391.621 | 1.563 | 8793.331 | 392.193 | 92337758.000 | 12397858.000 | 1667709.000 | 1999804.200 | 959.407 |
| 2 | 22:24:59 | 14504.234 | 3.125 | 9127.915 | 396.881 | 93105224.000 | 12469352.000 | 1688716.300 | 2014203.000 | 981.284 |
| 3 | 22:26:07 | 14330.622 | 1.563 | 8857.433 | 398.443 | 91640711.000 | 12103158.000 | 1636019.900 | 1961013.000 | 859.401 |
| x | | 14408.826 | 2.083 | 8926.226 | 395.839 | 92361231.000 | 12323456.000 | 1664148.400 | 1991673.400 | 933.364 |
| σ | | 88.076 | 0.902 | 177.584 | 3.253 | 732538.270 | 194103.970 | 26528.003 | 27511.382 | 64.981 |
| %RSD | | 0.611 | 43.301 | 1.989 | 0.822 | 0.793 | 1.575 | 1.594 | 1.381 | 6.962 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:23:51 | 1414589.500 | 764.083 | 254818.170 | 532940.100 | 1786277.500 | 156834.320 | 2706820.400 | 51790.584 | 118.750 |
| 2 | 22:24:59 | 1428305.600 | 723.456 | 260024.800 | 546072.340 | 1789532.300 | 157609.970 | 2731402.500 | 52654.672 | 101.563 |
| 3 | 22:26:07 | 1399503.400 | 756.270 | 253479.030 | 543138.620 | 1762441.900 | 157899.080 | 2707360.900 | 51624.359 | 96.875 |
| x | | 1414132.800 | 747.936 | 256107.330 | 540717.020 | 1779417.300 | 157447.790 | 2715194.600 | 52023.205 | 105.730 |
| σ | | 14406.521 | 21.558 | 3458.066 | 6892.899 | 14790.871 | 550.595 | 14039.062 | 553.146 | 11.517 |
| %RSD | | 1.019 | 2.882 | 1.350 | 1.275 | 0.831 | 0.350 | 0.517 | 1.063 | 10.893 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:23:51 | 98589.023 | 1106.293 | 20530.367 | 2676.813 | 442.194 | 39424.638 | 13043.452 | 226.564 | 390.630 |
| 2 | 22:24:59 | 103292.390 | 1123.482 | 22184.399 | 2511.158 | 440.632 | 39703.534 | 13478.230 | 264.065 | 360.942 |
| 3 | 22:26:07 | 103537.910 | 1093.792 | 22628.846 | 2489.279 | 428.131 | 38562.916 | 13403.160 | 210.939 | 357.817 |
| x | | 101806.440 | 1107.856 | 21781.204 | 2559.084 | 436.986 | 39230.363 | 13308.281 | 233.856 | 369.796 |
| σ | | 2789.070 | 14.906 | 1105.816 | 102.542 | 7.708 | 594.609 | 232.400 | 27.303 | 18.110 |
| %RSD | | 2.740 | 1.346 | 5.077 | 4.007 | 1.764 | 1.516 | 1.746 | 11.675 | 4.897 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:23:51 | 12658.731 | 6216.978 | 4533.532 | 1993.368 | 385.943 | 385.943 | 470.320 | 208.856 | 17.708 |
| 2 | 22:24:59 | 13057.527 | 6354.538 | 4610.119 | 1983.992 | 360.942 | 360.942 | 517.197 | 208.856 | 16.667 |
| 3 | 22:26:07 | 12746.309 | 6260.747 | 4622.623 | 2023.060 | 417.194 | 417.194 | 501.050 | 219.273 | 14.583 |
| x | | 12820.856 | 6277.421 | 4588.758 | 2000.140 | 388.026 | 388.026 | 496.189 | 212.328 | 16.319 |
| σ | | 209.589 | 70.280 | 48.234 | 20.395 | 28.184 | 28.184 | 23.813 | 6.014 | 1.591 |
| %RSD | | 1.635 | 1.120 | 1.051 | 1.020 | 7.263 | 7.263 | 4.799 | 2.832 | 9.750 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:23:51 | 248.440 | 460.945 | 495.321 | 334.379 | 792.209 | 7.813 | 133451.680 | 96.875 | 39.063 |
| 2 | 22:24:59 | 278.128 | 465.633 | 534.385 | 326.566 | 868.776 | 1.563 | 136584.200 | 129.688 | 26.563 |
| 3 | 22:26:07 | 265.627 | 503.134 | 546.885 | 329.691 | 832.837 | 0.000 | 133691.410 | 78.125 | 40.625 |
| x | | 264.065 | 476.570 | 525.531 | 330.212 | 831.274 | 3.125 | 134575.760 | 101.563 | 35.417 |
| σ | | 14.906 | 23.124 | 26.898 | 3.932 | 38.307 | 4.134 | 1743.485 | 26.099 | 7.708 |
| %RSD | | 5.645 | 4.852 | 5.118 | 1.191 | 4.608 | 132.288 | 1.296 | 25.697 | 21.763 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:23:51 | 1.563 | 1.563 | 46.875 | 31.250 | 140.626 | 75.000 | 3677.036 | 6363.917 | 389637.430 |
| 2 | 22:24:59 | 4.688 | 4.688 | 15.625 | 25.000 | 198.439 | 75.000 | 3734.863 | 6551.502 | 393502.160 |
| 3 | 22:26:07 | 4.688 | 4.688 | 20.313 | 14.063 | 153.126 | 76.563 | 3611.394 | 6382.676 | 393322.310 |
| x | | 3.646 | 3.646 | 27.604 | 23.438 | 164.063 | 75.521 | 3674.431 | 6432.698 | 392153.970 |
| σ | | 1.804 | 1.804 | 16.853 | 8.700 | 30.419 | 0.902 | 61.776 | 103.314 | 2181.239 |
| %RSD | | 49.487 | 49.487 | 61.052 | 37.118 | 18.541 | 1.195 | 1.681 | 1.606 | 0.556 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:23:51 | 425763.970 | 40.625 | 68.750 | 3270.687 | 2676.813 | 6696.882 | 373710.920 | 74539.270 |
| 2 | 22:24:59 | 426357.850 | 25.000 | 89.063 | 3184.730 | 2662.748 | 6607.778 | 379950.430 | 77127.957 |
| 3 | 22:26:07 | 427252.750 | 34.375 | 81.250 | 3108.151 | 2786.209 | 6599.962 | 376504.740 | 75941.941 |
| x | | 426458.190 | 33.333 | 79.688 | 3187.856 | 2708.590 | 6634.874 | 376722.030 | 75869.723 |
| σ | | 749.447 | 7.864 | 10.246 | 81.313 | 67.587 | 53.843 | 3125.426 | 1295.854 |
| %RSD | | 0.176 | 23.593 | 12.858 | 2.551 | 2.495 | 0.812 | 0.830 | 1.708 |

**C1881-06X25 MF3TC9** 05/01/2011 10:30:41 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:31:49 | 14713.823 | 2.083 | 687.517 | 268.753 | 4511540.600 | 926118.120 | 121916.450 | 145938.520 | 365.630 |
| 2 | 22:32:57 | 13972.455 | 2.604 | 584.387 | 239.065 | 4352045.400 | 898065.580 | 117230.600 | 141532.020 | 404.693 |
| 3 | 22:34:05 | 13900.510 | 1.042 | 626.576 | 250.002 | 4469641.700 | 921999.540 | 120394.250 | 144011.300 | 390.630 |
| x | | 14195.596 | 1.910 | 632.827 | 252.606 | 4444409.200 | 915394.410 | 119847.100 | 143827.280 | 386.984 |
| σ | | 450.238 | 0.796 | 51.848 | 15.014 | 82687.319 | 15147.837 | 2390.362 | 2209.008 | 19.785 |
| %RSD | | 3.172 | 41.660 | 8.193 | 5.944 | 1.860 | 1.655 | 1.995 | 1.536 | 5.113 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:31:49 | 53703.879 | 740.644 | 27324.545 | 107427.410 | 230458.070 | 13331.217 | 216374.750 | 56775.096 | 25.000 |
| 2 | 22:32:57 | 50739.949 | 784.397 | 26540.256 | 105059.900 | 227133.580 | 12855.782 | 209439.730 | 54293.602 | 25.000 |
| 3 | 22:34:05 | 53622.324 | 848.463 | 26613.830 | 106271.940 | 230855.030 | 13281.171 | 217930.950 | 53448.236 | 10.938 |
| x | | 52688.717 | 791.168 | 26826.210 | 106253.080 | 229482.230 | 13156.057 | 214581.810 | 54838.978 | 20.313 |
| σ | | 1688.175 | 54.227 | 433.135 | 1183.867 | 2043.646 | 261.247 | 4520.642 | 1729.183 | 8.119 |
| %RSD | | 3.204 | 6.854 | 1.615 | 1.114 | 0.891 | 1.986 | 2.107 | 3.153 | 39.970 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:31:49 | 19497.671 | 381.255 | 6220.104 | 2906.546 | 185.939 | 35246.553 | 2007.954 | 20.313 | 53.125 |
| 2 | 22:32:57 | 18921.898 | 329.691 | 5907.471 | 2784.646 | 162.501 | 34933.285 | 1876.686 | 15.625 | 51.563 |
| 3 | 22:34:05 | 18646.536 | 318.754 | 5799.615 | 2809.651 | 185.939 | 34894.127 | 1723.542 | 15.625 | 40.625 |
| x | | 19022.035 | 343.233 | 5975.730 | 2833.614 | 178.126 | 35024.655 | 1869.394 | 17.188 | 48.438 |
| σ | | 434.314 | 33.379 | 218.397 | 64.386 | 13.532 | 193.164 | 142.346 | 2.706 | 6.811 |
| %RSD | | 2.283 | 9.725 | 3.655 | 2.272 | 7.597 | 0.552 | 7.615 | 15.746 | 14.061 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:31:49 | 581.262 | 234.377 | 868.776 | 243.231 | 57.813 | 57.813 | 164.584 | 28.646 | 25.000 |
| 2 | 22:32:57 | 500.009 | 253.127 | 882.840 | 234.898 | 75.000 | 75.000 | 178.647 | 35.417 | 21.354 |
| 3 | 22:34:05 | 532.822 | 259.377 | 851.588 | 248.961 | 57.813 | 57.813 | 179.168 | 39.583 | 25.521 |
| x | | 538.031 | 248.961 | 867.735 | 242.363 | 63.542 | 63.542 | 174.133 | 34.549 | 23.958 |
| σ | | 40.876 | 13.011 | 15.652 | 7.071 | 9.923 | 9.923 | 8.274 | 5.520 | 2.270 |
| %RSD | | 7.597 | 5.226 | 1.804 | 2.918 | 15.617 | 15.617 | 4.751 | 15.978 | 9.476 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:31:49 | 14.063 | 15.625 | 34.375 | 14.063 | 20.313 | 3.125 | 159328.880 | 109.375 | 7.813 |
| 2 | 22:32:57 | 12.500 | 10.938 | 18.750 | 28.125 | 35.938 | 1.563 | 155456.890 | 109.375 | 6.250 |
| 3 | 22:34:05 | 9.375 | 18.750 | 21.875 | 15.625 | 34.375 | 3.125 | 151445.390 | 103.125 | 6.250 |
| x | | 11.979 | 15.104 | 25.000 | 19.271 | 30.208 | 2.604 | 155410.390 | 107.292 | 6.771 |
| σ | | 2.387 | 3.932 | 8.268 | 7.708 | 8.606 | 0.902 | 3941.952 | 3.608 | 0.902 |
| %RSD | | 19.924 | 26.034 | 33.072 | 39.996 | 28.487 | 34.641 | 2.536 | 3.363 | 13.323 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:31:49 | 3.125 | 3.125 | 1.563 | 0.000 | 67.188 | 12.500 | 256.252 | 482.821 | 435771.540 |
| 2 | 22:32:57 | 3.125 | 3.125 | 4.688 | 1.563 | 51.563 | 14.063 | 259.377 | 478.133 | 429726.890 |
| 3 | 22:34:05 | 4.688 | 4.688 | 0.000 | 0.000 | 53.125 | 21.875 | 309.378 | 517.197 | 413909.040 |
| x | | 3.646 | 3.646 | 2.083 | 0.521 | 57.292 | 16.146 | 275.003 | 492.717 | 426469.150 |
| σ | | 0.902 | 0.902 | 2.387 | 0.902 | 8.606 | 5.023 | 29.811 | 21.329 | 11289.460 |
| %RSD | | 24.744 | 24.744 | 114.564 | 173.205 | 15.021 | 31.109 | 10.840 | 4.329 | 2.647 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:31:49 | 468324.550 | 14.063 | 37.500 | 229.689 | 190.626 | 496.884 | 430428.800 | 4031.819 |
| 2 | 22:32:57 | 462997.240 | 26.563 | 51.563 | 196.876 | 196.876 | 512.509 | 424795.130 | 3925.539 |
| 3 | 22:34:05 | 448379.380 | 21.875 | 40.625 | 226.564 | 181.251 | 442.194 | 411468.150 | 4281.892 |
| x | | 459900.390 | 20.833 | 43.229 | 217.710 | 189.585 | 483.862 | 422230.690 | 4079.750 |
| σ | | 10326.921 | 6.315 | 7.384 | 18.110 | 7.865 | 36.922 | 9736.984 | 182.948 |
| %RSD | | 2.245 | 30.311 | 17.081 | 8.318 | 4.148 | 7.631 | 2.306 | 4.484 |

**C1881-07X25 MF3TD7** 05/01/2011 10:38:40 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:39:48 | 14000.607 | 0.521 | 745.332 | 235.939 | 5224240.300 | 648972.290 | 83905.056 | 102500.780 | 329.691 |
| 2 | 22:40:56 | 13651.832 | 3.646 | 698.455 | 235.939 | 5170884.000 | 646357.440 | 84170.674 | 100643.900 | 387.505 |
| 3 | 22:42:04 | 14241.470 | 0.521 | 698.455 | 223.439 | 5295520.500 | 659788.380 | 85575.860 | 103356.920 | 409.381 |
| x | | 13964.637 | 1.563 | 714.080 | 231.773 | 5230214.900 | 651706.040 | 84550.530 | 102167.200 | 375.526 |
| σ | | 296.460 | 1.804 | 27.065 | 7.217 | 62532.642 | 7120.571 | 897.839 | 1386.930 | 41.173 |
| %RSD | | 2.123 | 115.470 | 3.790 | 3.114 | 1.196 | 1.093 | 1.062 | 1.358 | 10.964 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:39:48 | 64802.897 | 787.522 | 27565.632 | 96380.277 | 153790.560 | 6135.692 | 103890.460 | 54252.823 | 7.813 |
| 2 | 22:40:56 | 65487.257 | 787.522 | 27487.357 | 96877.373 | 153462.050 | 6110.682 | 102197.060 | 52562.145 | 12.500 |
| 3 | 22:42:04 | 66736.770 | 817.211 | 27371.509 | 97182.560 | 153531.550 | 6526.490 | 105362.110 | 53915.612 | 12.500 |
| x | | 65675.641 | 797.418 | 27474.833 | 96813.404 | 153594.720 | 6257.622 | 103816.540 | 53576.860 | 10.938 |
| σ | | 980.603 | 17.141 | 97.665 | 404.949 | 173.124 | 233.183 | 1583.822 | 894.798 | 2.706 |
| %RSD | | 1.493 | 2.150 | 0.355 | 0.418 | 0.113 | 3.726 | 1.526 | 1.670 | 24.744 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:39:48 | 17016.378 | 306.253 | 5032.136 | 2811.214 | 189.064 | 35067.989 | 1384.442 | 21.875 | 29.688 |
| 2 | 22:40:56 | 16520.484 | 350.004 | 5093.095 | 2636.181 | 207.814 | 35343.667 | 1315.686 | 20.313 | 34.375 |
| 3 | 22:42:04 | 16431.319 | 357.817 | 4783.613 | 2825.279 | 185.939 | 35238.721 | 1396.943 | 18.750 | 31.250 |
| x | | 16656.061 | 338.025 | 4969.615 | 2757.558 | 194.272 | 35216.792 | 1365.690 | 20.313 | 31.771 |
| σ | | 315.213 | 27.791 | 163.940 | 105.351 | 11.831 | 139.141 | 43.754 | 1.563 | 2.387 |
| %RSD | | 1.892 | 8.222 | 3.299 | 3.820 | 6.090 | 0.395 | 3.204 | 7.692 | 7.512 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:39:48 | 125.001 | 56.250 | 112.500 | 252.086 | 70.313 | 70.313 | 147.397 | 29.688 | 15.104 |
| 2 | 22:40:56 | 121.876 | 42.188 | 85.938 | 223.439 | 68.750 | 68.750 | 175.522 | 23.958 | 25.521 |
| 3 | 22:42:04 | 131.251 | 51.563 | 103.125 | 219.793 | 81.250 | 81.250 | 173.959 | 33.333 | 29.167 |
| x | | 126.042 | 50.000 | 100.521 | 231.773 | 73.438 | 73.438 | 165.626 | 28.993 | 23.264 |
| σ | | 4.774 | 7.160 | 13.471 | 17.686 | 6.811 | 6.811 | 15.806 | 4.726 | 7.298 |
| %RSD | | 3.787 | 14.321 | 13.402 | 7.631 | 9.274 | 9.274 | 9.543 | 16.300 | 31.370 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:39:48 | 29.688 | 28.125 | 46.875 | 29.688 | 43.750 | 0.000 | 151464.340 | 98.438 | 10.938 |
| 2 | 22:40:56 | 31.250 | 37.500 | 37.500 | 29.688 | 46.875 | 1.563 | 150638.490 | 82.813 | 14.063 |
| 3 | 22:42:04 | 32.813 | 37.500 | 42.188 | 25.000 | 54.688 | 3.125 | 153201.470 | 84.375 | 9.375 |
| x | | 31.250 | 34.375 | 42.188 | 28.125 | 48.438 | 1.563 | 151768.100 | 88.542 | 11.458 |
| σ | | 1.563 | 5.413 | 4.688 | 2.706 | 5.634 | 1.563 | 1308.211 | 8.606 | 2.387 |
| %RSD | | 5.000 | 15.746 | 11.111 | 9.623 | 11.631 | 100.000 | 0.862 | 9.719 | 20.830 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:39:48 | 1.563 | 1.563 | 9.375 | 0.000 | 54.688 | 14.063 | 181.251 | 281.253 | 414653.600 |
| 2 | 22:40:56 | 1.563 | 1.563 | 15.625 | 3.125 | 65.625 | 17.188 | 181.251 | 239.065 | 412079.130 |
| 3 | 22:42:04 | 0.000 | 0.000 | 17.188 | 1.563 | 42.188 | 28.125 | 128.126 | 284.378 | 416990.480 |
| x | | 1.042 | 1.042 | 14.063 | 1.563 | 54.167 | 19.792 | 163.543 | 268.232 | 414574.410 |
| σ | | 0.902 | 0.902 | 4.134 | 1.563 | 11.727 | 7.384 | 30.672 | 25.308 | 2456.631 |
| %RSD | | 86.603 | 86.603 | 29.397 | 100.000 | 21.651 | 37.309 | 18.755 | 9.435 | 0.593 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:39:48 | 451277.920 | 31.250 | 71.875 | 51.563 | 57.813 | 98.438 | 414331.970 | 3098.774 |
| 2 | 22:40:56 | 447546.040 | 25.000 | 64.063 | 29.688 | 40.625 | 123.438 | 410411.840 | 3181.604 |
| 3 | 22:42:04 | 449993.010 | 15.625 | 68.750 | 45.313 | 23.438 | 114.063 | 416757.260 | 3233.178 |
| x | | 449605.660 | 23.958 | 68.229 | 42.188 | 40.625 | 111.980 | 413833.690 | 3171.185 |
| σ | | 1895.852 | 7.864 | 3.932 | 11.267 | 17.188 | 12.630 | 3201.920 | 67.805 |
| %RSD | | 0.422 | 32.825 | 5.763 | 26.708 | 42.308 | 11.279 | 0.774 | 2.138 |

**C1881-08X25 MF3TE2** 05/01/2011 10:46:39 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:47:47 | 14904.646 | 1.042 | 445.319 | 215.627 | 3321441.000 | 388860.430 | 53056.153 | 65138.794 | 500.009 |
| 2 | 22:48:55 | 14806.106 | 2.083 | 435.944 | 264.065 | 3304503.500 | 402478.460 | 52899.323 | 64052.650 | 395.318 |
| 3 | 22:50:03 | 14790.465 | 1.563 | 478.133 | 235.939 | 3239544.600 | 376485.490 | 51729.426 | 62611.909 | 428.131 |
| x | | 14833.739 | 1.563 | 453.132 | 238.544 | 3288496.400 | 389274.790 | 52561.634 | 63934.451 | 441.153 |
| σ | | 61.903 | 0.521 | 22.153 | 24.324 | 43231.060 | 13001.439 | 724.967 | 1267.583 | 53.546 |
| %RSD | | 0.417 | 33.333 | 4.889 | 10.197 | 1.315 | 3.340 | 1.379 | 1.983 | 12.138 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:47:47 | 52913.438 | 840.650 | 22840.119 | 92319.214 | 154818.760 | 5716.769 | 92191.832 | 55220.583 | 18.750 |
| 2 | 22:48:55 | 51740.403 | 821.899 | 22256.386 | 92080.178 | 152560.290 | 5674.564 | 92180.824 | 56605.675 | 7.813 |
| 3 | 22:50:03 | 50912.436 | 842.212 | 22444.180 | 92168.243 | 152748.220 | 5371.322 | 91449.585 | 55328.813 | 17.188 |
| x | | 51855.426 | 834.920 | 22513.562 | 92189.212 | 153375.750 | 5587.552 | 91940.747 | 55718.357 | 14.583 |
| σ | | 1005.448 | 11.304 | 297.987 | 120.889 | 1253.210 | 188.446 | 425.395 | 770.343 | 5.916 |
| %RSD | | 1.939 | 1.354 | 1.324 | 0.131 | 0.817 | 3.373 | 0.463 | 1.383 | 40.564 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:47:47 | 13853.589 | 321.879 | 4380.359 | 2758.079 | 190.626 | 36695.507 | 1464.138 | 17.188 | 32.813 |
| 2 | 22:48:55 | 13864.537 | 290.628 | 4285.018 | 2692.441 | 189.064 | 36239.658 | 1504.767 | 12.500 | 35.938 |
| 3 | 22:50:03 | 13884.869 | 315.628 | 4114.655 | 2767.456 | 187.501 | 35738.397 | 1436.010 | 10.938 | 31.250 |
| x | | 13867.665 | 309.378 | 4260.011 | 2739.325 | 189.064 | 36224.521 | 1468.305 | 13.542 | 33.333 |
| σ | | 15.873 | 16.536 | 134.606 | 40.872 | 1.563 | 478.734 | 34.567 | 3.253 | 2.387 |
| %RSD | | 0.114 | 5.345 | 3.160 | 1.492 | 0.826 | 1.322 | 2.354 | 24.019 | 7.160 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:47:47 | 79.688 | 28.125 | 81.250 | 179.168 | 40.625 | 40.625 | 157.293 | 28.646 | 27.604 |
| 2 | 22:48:55 | 90.625 | 31.250 | 79.688 | 192.710 | 57.813 | 57.813 | 145.834 | 23.958 | 22.917 |
| 3 | 22:50:03 | 82.813 | 26.563 | 112.500 | 198.960 | 39.063 | 39.063 | 152.084 | 27.604 | 20.833 |
| x | | 84.375 | 28.646 | 91.146 | 190.279 | 45.833 | 45.833 | 151.737 | 26.736 | 23.785 |
| σ | | 5.634 | 2.387 | 18.510 | 10.117 | 10.404 | 10.404 | 5.737 | 2.461 | 3.468 |
| %RSD | | 6.677 | 8.332 | 20.308 | 5.317 | 22.699 | 22.699 | 3.781 | 9.206 | 14.580 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:47:47 | 25.000 | 25.000 | 40.625 | 28.125 | 59.375 | 6.250 | 155636.960 | 98.438 | 15.625 |
| 2 | 22:48:55 | 23.438 | 14.063 | 34.375 | 25.000 | 60.938 | 3.125 | 157143.950 | 95.313 | 10.938 |
| 3 | 22:50:03 | 17.188 | 29.688 | 46.875 | 29.688 | 54.688 | 1.563 | 154469.700 | 92.188 | 7.813 |
| x | | 21.875 | 22.917 | 40.625 | 27.604 | 58.333 | 3.646 | 155750.200 | 95.313 | 11.458 |
| σ | | 4.134 | 8.018 | 6.250 | 2.387 | 3.253 | 2.387 | 1340.713 | 3.125 | 3.932 |
| %RSD | | 18.898 | 34.988 | 15.385 | 8.646 | 5.576 | 65.465 | 0.861 | 3.279 | 34.317 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:47:47 | 0.000 | 0.000 | 6.250 | 1.563 | 60.938 | 17.188 | 246.877 | 481.258 | 415216.480 |
| 2 | 22:48:55 | 0.000 | 0.000 | 18.750 | 0.000 | 53.125 | 7.813 | 254.690 | 406.256 | 422671.000 |
| 3 | 22:50:03 | 1.563 | 1.563 | 6.250 | 0.000 | 50.000 | 10.938 | 228.127 | 395.318 | 418837.090 |
| x | | 0.521 | 0.521 | 10.417 | 0.521 | 54.688 | 11.979 | 243.231 | 427.611 | 418908.190 |
| σ | | 0.902 | 0.902 | 7.217 | 0.902 | 5.634 | 4.774 | 13.652 | 46.781 | 3727.769 |
| %RSD | | 173.205 | 173.205 | 69.282 | 173.205 | 10.302 | 39.849 | 5.613 | 10.940 | 0.890 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:47:47 | 447847.460 | 23.438 | 71.875 | 35.938 | 39.063 | 82.813 | 415846.930 | 3433.225 |
| 2 | 22:48:55 | 455959.030 | 32.813 | 60.938 | 34.375 | 29.688 | 50.000 | 423765.210 | 3225.364 |
| 3 | 22:50:03 | 450953.860 | 23.438 | 43.750 | 29.688 | 25.000 | 70.313 | 416876.280 | 3253.495 |
| x | | 451586.780 | 26.563 | 58.854 | 33.333 | 31.250 | 67.709 | 418829.470 | 3304.028 |
| σ | | 4092.657 | 5.413 | 14.178 | 3.253 | 7.160 | 16.561 | 4305.348 | 112.768 |
| %RSD | | 0.906 | 20.377 | 24.090 | 9.758 | 22.913 | 24.459 | 1.028 | 3.413 |

**C1881-09X25 MF3TE3** 05/01/2011 10:54:39 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:55:47 | 14000.607 | 0.521 | 628.139 | 246.877 | 6377263.500 | 933018.340 | 121658.010 | 146393.130 | 385.943 |
| 2 | 22:56:55 | 13756.620 | 1.042 | 596.887 | 218.752 | 6397015.000 | 953914.050 | 125089.020 | 149032.720 | 423.444 |
| 3 | 22:58:03 | 13833.257 | 1.563 | 564.074 | 240.627 | 6521750.800 | 965669.320 | 126039.500 | 151928.610 | 371.880 |
| x | | 13863.495 | 1.042 | 596.367 | 235.419 | 6432009.800 | 950867.240 | 124262.180 | 149118.150 | 393.755 |
| σ | | 124.772 | 0.521 | 32.036 | 14.768 | 78342.971 | 16537.347 | 2304.801 | 2768.725 | 26.655 |
| %RSD | | 0.900 | 50.000 | 5.372 | 6.273 | 1.218 | 1.739 | 1.855 | 1.857 | 6.769 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:55:47 | 59561.406 | 787.522 | 28819.666 | 92794.151 | 170152.630 | 9725.184 | 160349.580 | 53073.405 | 10.938 |
| 2 | 22:56:55 | 59740.276 | 798.460 | 29317.552 | 93567.923 | 171357.530 | 9672.023 | 162975.930 | 53501.560 | 20.313 |
| 3 | 22:58:03 | 61400.417 | 765.646 | 29413.061 | 94134.125 | 172753.880 | 9967.539 | 165507.920 | 53147.116 | 17.188 |
| x | | 60234.033 | 783.876 | 29183.426 | 93498.733 | 171421.350 | 9788.249 | 162944.480 | 53240.693 | 16.146 |
| σ | | 1014.070 | 16.708 | 318.625 | 672.661 | 1301.800 | 157.528 | 2579.310 | 228.904 | 4.774 |
| %RSD | | 1.684 | 2.131 | 1.092 | 0.719 | 0.759 | 1.609 | 1.583 | 0.430 | 29.565 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:55:47 | 12837.015 | 351.567 | 3970.864 | 2812.777 | 156.251 | 35746.229 | 1667.285 | 42.188 | 48.438 |
| 2 | 22:56:55 | 13193.590 | 285.940 | 3938.043 | 2704.944 | 193.751 | 36133.138 | 1739.168 | 18.750 | 35.938 |
| 3 | 22:58:03 | 12857.346 | 317.191 | 3884.903 | 2864.350 | 189.064 | 36258.455 | 1684.474 | 34.375 | 50.000 |
| x | | 12962.650 | 318.233 | 3931.270 | 2794.023 | 179.689 | 36045.941 | 1696.976 | 31.771 | 44.792 |
| σ | | 200.258 | 32.826 | 43.379 | 81.341 | 20.433 | 267.014 | 37.537 | 11.934 | 7.708 |
| %RSD | | 1.545 | 10.315 | 1.103 | 2.911 | 11.371 | 0.741 | 2.212 | 37.562 | 17.208 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:55:47 | 7214.321 | 3470.734 | 90.625 | 187.501 | 59.375 | 59.375 | 158.334 | 28.125 | 26.042 |
| 2 | 22:56:55 | 7466.013 | 3472.297 | 87.500 | 189.064 | 45.313 | 45.313 | 173.959 | 32.292 | 25.000 |
| 3 | 22:58:03 | 7292.486 | 3528.561 | 103.125 | 175.001 | 48.438 | 48.438 | 173.439 | 25.521 | 26.563 |
| x | | 7324.273 | 3490.531 | 93.750 | 183.855 | 51.042 | 51.042 | 168.577 | 28.646 | 25.868 |
| σ | | 128.822 | 32.944 | 8.268 | 7.708 | 7.384 | 7.384 | 8.875 | 3.415 | 0.796 |
| %RSD | | 1.759 | 0.944 | 8.819 | 4.192 | 14.467 | 14.467 | 5.264 | 11.923 | 3.076 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:55:47 | 14.063 | 12.500 | 15.625 | 18.750 | 34.375 | 6.250 | 150377.950 | 96.875 | 4.688 |
| 2 | 22:56:55 | 18.750 | 23.438 | 18.750 | 14.063 | 42.188 | 4.688 | 149893.210 | 106.250 | 4.688 |
| 3 | 22:58:03 | 15.625 | 21.875 | 17.188 | 23.438 | 32.813 | 1.563 | 149170.080 | 95.313 | 6.250 |
| x | | 16.146 | 19.271 | 17.188 | 18.750 | 36.458 | 4.167 | 149813.750 | 99.480 | 5.208 |
| σ | | 2.387 | 5.916 | 1.563 | 4.688 | 5.023 | 2.387 | 607.847 | 5.916 | 0.902 |
| %RSD | | 14.783 | 30.697 | 9.091 | 25.000 | 13.777 | 57.282 | 0.406 | 5.947 | 17.321 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:55:47 | 0.000 | 0.000 | 6.250 | 1.563 | 54.688 | 17.188 | 117.188 | 220.314 | 411435.990 |
| 2 | 22:56:55 | 0.000 | 0.000 | 4.688 | 0.000 | 53.125 | 10.938 | 125.001 | 187.501 | 415956.290 |
| 3 | 22:58:03 | 0.000 | 0.000 | 6.250 | 0.000 | 64.063 | 14.063 | 126.563 | 237.502 | 409775.200 |
| x | | 0.000 | 0.000 | 5.729 | 0.521 | 57.292 | 14.063 | 122.917 | 215.106 | 412389.160 |
| σ | | 0.000 | 0.000 | 0.902 | 0.902 | 5.916 | 3.125 | 5.023 | 25.404 | 3198.885 |
| %RSD | | 0.000 | 0.000 | 15.746 | 173.205 | 10.325 | 22.222 | 4.086 | 11.810 | 0.776 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:55:47 | 445313.820 | 29.688 | 51.563 | 1295.371 | 1109.418 | 2658.060 | 409456.890 | 4436.626 |
| 2 | 22:56:55 | 447557.330 | 15.625 | 56.250 | 1353.189 | 1218.802 | 2758.079 | 410418.270 | 4608.556 |
| 3 | 22:58:03 | 446097.080 | 25.000 | 62.500 | 1396.943 | 1210.989 | 2947.179 | 410593.510 | 4552.288 |
| x | | 446322.740 | 23.438 | 56.771 | 1348.501 | 1179.736 | 2787.773 | 410156.230 | 4532.490 |
| σ | | 1138.647 | 7.160 | 5.487 | 50.948 | 61.023 | 146.829 | 611.946 | 87.658 |
| %RSD | | 0.255 | 30.551 | 9.666 | 3.778 | 5.173 | 5.267 | 0.149 | 1.934 |

**C1881-10X25 MF3TE4** 05/01/2011 11:02:39 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:03:47 | 14017.812 | 3.125 | 471.883 | 276.565 | 3972327.100 | 525653.530 | 67206.150 | 81349.715 | 404.693 |
| 2 | 23:04:55 | 14446.363 | 4.167 | 475.008 | 251.565 | 4036926.600 | 531288.670 | 68977.061 | 82589.611 | 370.317 |
| 3 | 23:06:03 | 13734.724 | 0.000 | 443.757 | 237.502 | 4054983.100 | 538432.670 | 69181.169 | 83189.954 | 371.880 |
| x | | 14066.300 | 2.431 | 463.549 | 255.211 | 4021412.300 | 531791.620 | 68454.793 | 82376.427 | 382.297 |
| σ | | 358.289 | 2.168 | 17.212 | 19.785 | 43457.127 | 6404.403 | 1086.162 | 938.459 | 19.412 |
| %RSD | | 2.547 | 89.214 | 3.713 | 7.752 | 1.081 | 1.204 | 1.587 | 1.139 | 5.078 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:03:47 | 57615.952 | 776.584 | 23658.637 | 89510.801 | 155701.720 | 6534.307 | 107912.290 | 54006.580 | 23.438 |
| 2 | 23:04:55 | 58554.130 | 765.646 | 24115.650 | 90230.935 | 157012.830 | 6735.963 | 109855.140 | 54372.025 | 17.188 |
| 3 | 23:06:03 | 59100.122 | 782.834 | 24028.003 | 90589.443 | 156974.910 | 6706.261 | 112571.480 | 53628.597 | 9.375 |
| x | | 58423.401 | 775.021 | 23934.097 | 90110.393 | 156563.150 | 6658.843 | 110112.970 | 54002.401 | 16.667 |
| σ | | 750.671 | 8.700 | 242.547 | 549.331 | 746.265 | 108.870 | 2340.269 | 371.731 | 7.046 |
| %RSD | | 1.285 | 1.123 | 1.013 | 0.610 | 0.477 | 1.635 | 2.125 | 0.688 | 42.274 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:03:47 | 12375.671 | 284.378 | 3517.621 | 2704.944 | 175.001 | 34515.082 | 1392.255 | 14.063 | 40.625 |
| 2 | 23:04:55 | 11843.970 | 295.316 | 3681.724 | 2701.818 | 165.626 | 34339.660 | 1439.135 | 14.063 | 42.188 |
| 3 | 23:06:03 | 12109.818 | 353.129 | 3436.351 | 2769.018 | 142.188 | 34714.001 | 1442.260 | 10.938 | 51.563 |
| x | | 12109.820 | 310.941 | 3545.232 | 2725.260 | 160.938 | 34522.915 | 1424.550 | 13.021 | 44.792 |
| σ | | 265.850 | 36.943 | 124.995 | 37.928 | 16.901 | 187.293 | 28.012 | 1.804 | 5.916 |
| %RSD | | 2.195 | 11.881 | 3.526 | 1.392 | 10.502 | 0.543 | 1.966 | 13.856 | 13.207 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:03:47 | 648.452 | 279.690 | 270.315 | 160.938 | 59.375 | 59.375 | 173.959 | 22.917 | 23.438 |
| 2 | 23:04:55 | 607.825 | 325.004 | 232.814 | 181.251 | 53.125 | 53.125 | 158.855 | 21.354 | 22.396 |
| 3 | 23:06:03 | 546.885 | 320.316 | 235.939 | 160.938 | 31.250 | 31.250 | 161.459 | 34.375 | 21.354 |
| x | | 601.054 | 308.337 | 246.356 | 167.709 | 47.917 | 47.917 | 164.758 | 26.215 | 22.396 |
| σ | | 51.121 | 24.919 | 20.808 | 11.728 | 14.768 | 14.768 | 8.074 | 7.110 | 1.042 |
| %RSD | | 8.505 | 8.082 | 8.446 | 6.993 | 30.821 | 30.821 | 4.901 | 27.120 | 4.651 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:03:47 | 17.188 | 18.750 | 20.313 | 25.000 | 50.000 | 1.563 | 152053.360 | 101.563 | 4.688 |
| 2 | 23:04:55 | 17.188 | 14.063 | 42.188 | 31.250 | 32.813 | 0.000 | 152367.620 | 95.313 | 0.000 |
| 3 | 23:06:03 | 18.750 | 18.750 | 35.938 | 15.625 | 34.375 | 1.563 | 151859.120 | 95.313 | 1.563 |
| x | | 17.708 | 17.188 | 32.813 | 23.958 | 39.063 | 1.042 | 152093.370 | 97.396 | 2.083 |
| σ | | 0.902 | 2.706 | 11.267 | 7.864 | 9.504 | 0.902 | 256.598 | 3.608 | 2.387 |
| %RSD | | 5.094 | 15.746 | 34.339 | 32.825 | 24.331 | 86.603 | 0.169 | 3.705 | 114.564 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:03:47 | 1.563 | 1.563 | 7.813 | 1.563 | 62.500 | 14.063 | 150.001 | 295.316 | 419589.960 |
| 2 | 23:04:55 | 1.563 | 1.563 | 3.125 | 1.563 | 54.688 | 17.188 | 165.626 | 242.190 | 416263.480 |
| 3 | 23:06:03 | 0.000 | 0.000 | 1.563 | 1.563 | 51.563 | 10.938 | 178.126 | 290.628 | 414595.710 |
| x | | 1.042 | 1.042 | 4.167 | 1.563 | 56.250 | 14.063 | 164.584 | 276.044 | 416816.380 |
| σ | | 0.902 | 0.902 | 3.253 | 0.000 | 5.634 | 3.125 | 14.092 | 29.413 | 2542.616 |
| %RSD | | 86.603 | 86.603 | 78.062 | 0.000 | 10.015 | 22.222 | 8.562 | 10.655 | 0.610 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:03:47 | 449415.890 | 28.125 | 62.500 | 168.751 | 131.251 | 300.003 | 416895.580 | 2989.375 |
| 2 | 23:04:55 | 451310.160 | 15.625 | 70.313 | 160.938 | 132.813 | 306.253 | 414460.620 | 2808.089 |
| 3 | 23:06:03 | 447965.130 | 21.875 | 50.000 | 151.563 | 121.876 | 309.378 | 413421.790 | 3048.763 |
| x | | 449563.730 | 21.875 | 60.938 | 160.418 | 128.646 | 305.212 | 414926.000 | 2948.742 |
| σ | | 1677.412 | 6.250 | 10.246 | 8.606 | 5.916 | 4.774 | 1783.043 | 125.377 |
| %RSD | | 0.373 | 28.571 | 16.814 | 5.365 | 4.598 | 1.564 | 0.430 | 4.252 |

**CCV** 05/01/2011 11:10:37 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:11:45 | 12635.273 | 21284.594 | 3863.022 | 307.816 | 17191421.000 | 11579372.000 | 1585790.600 | 1895749.000 | 2701956.700 |
| 2 | 23:12:53 | 12496.088 | 21207.396 | 4152.166 | 279.690 | 17086888.000 | 11633398.000 | 1559337.800 | 1854752.600 | 2665913.300 |
| 3 | 23:14:01 | 12280.276 | 21592.347 | 4155.292 | 307.816 | 17094971.000 | 11596516.000 | 1572969.800 | 1870449.000 | 2675853.900 |
| x | | 12470.546 | 21361.446 | 4056.827 | 298.441 | 17124427.000 | 11603095.000 | 1572699.400 | 1873650.200 | 2681241.300 |
| σ | | 178.871 | 203.658 | 167.847 | 16.238 | 58159.604 | 27607.675 | 13228.473 | 20684.817 | 18615.859 |
| %RSD | | 1.434 | 0.953 | 4.137 | 5.441 | 0.340 | 0.238 | 0.841 | 1.104 | 0.694 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:11:45 | 24101.564 | 133722.950 | 14122.602 | 65324.012 | 7960932.200 | 40634.008 | 602947.050 | 49360.128 | 19377.195 |
| 2 | 23:12:53 | 23650.811 | 132948.580 | 13948.994 | 65926.772 | 7945488.100 | 40165.358 | 597281.990 | 49076.340 | 19641.618 |
| 3 | 23:14:01 | 24311.294 | 132022.870 | 13867.665 | 65832.589 | 8014899.200 | 40907.148 | 600897.730 | 47898.916 | 19729.239 |
| x | | 24021.223 | 132898.130 | 13979.754 | 65694.458 | 7973773.200 | 40568.838 | 600375.590 | 48778.461 | 19582.684 |
| σ | | 337.491 | 851.161 | 130.222 | 324.253 | 36443.674 | 375.165 | 2868.397 | 774.812 | 183.272 |
| %RSD | | 1.405 | 0.640 | 0.932 | 0.494 | 0.457 | 0.925 | 0.478 | 1.588 | 0.936 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:11:45 | 304879.900 | 288061.220 | 37771.744 | 1074736.500 | 827129.110 | 18776726.000 | 461367.980 | 338225.790 | 73351.898 |
| 2 | 23:12:53 | 302990.330 | 284509.860 | 37881.409 | 1072990.400 | 826121.690 | 18637613.000 | 458044.660 | 340065.580 | 74033.525 |
| 3 | 23:14:01 | 303866.460 | 282688.290 | 37585.316 | 1076082.400 | 820377.900 | 18743311.000 | 462208.820 | 341388.770 | 73651.873 |
| x | | 303912.230 | 285086.460 | 37746.156 | 1074603.100 | 824542.900 | 18719217.000 | 460540.490 | 339893.380 | 73679.099 |
| σ | | 945.616 | 2732.480 | 149.696 | 1550.287 | 3641.995 | 72619.306 | 2201.957 | 1588.504 | 341.628 |
| %RSD | | 0.311 | 0.958 | 0.397 | 0.144 | 0.442 | 0.388 | 0.478 | 0.467 | 0.464 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:11:45 | 369580.530 | 179971.860 | 141508.340 | 54804.924 | 3548.878 | 3548.878 | 11807.482 | 5031.094 | 23.438 |
| 2 | 23:12:53 | 373375.760 | 181134.860 | 140179.720 | 54614.614 | 3531.687 | 3531.687 | 11592.723 | 4953.984 | 21.875 |
| 3 | 23:14:01 | 372790.460 | 181256.700 | 141304.780 | 55525.407 | 3667.658 | 3667.658 | 11601.584 | 5044.641 | 19.271 |
| x | | 371915.590 | 180787.810 | 140997.610 | 54981.648 | 3582.741 | 3582.741 | 11667.263 | 5009.906 | 21.528 |
| σ | | 2043.284 | 709.252 | 715.595 | 480.426 | 74.041 | 74.041 | 121.514 | 48.902 | 2.105 |
| %RSD | | 0.549 | 0.392 | 0.508 | 0.874 | 2.067 | 2.067 | 1.041 | 0.976 | 9.778 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:11:45 | 77735.927 | 117903.290 | 131136.640 | 73720.978 | 194510.560 | 3.125 | 136637.840 | 8052.269 | 367765.840 |
| 2 | 23:12:53 | 77512.844 | 118130.150 | 128722.640 | 73918.871 | 194037.000 | 4.688 | 135651.940 | 8316.483 | 365108.340 |
| 3 | 23:14:01 | 77603.962 | 118330.240 | 130406.560 | 74203.152 | 195057.000 | 3.125 | 136480.090 | 8293.031 | 368096.060 |
| x | | 77617.578 | 118121.230 | 130088.620 | 73947.667 | 194534.850 | 3.646 | 136256.620 | 8220.594 | 366990.080 |
| σ | | 112.163 | 213.613 | 1238.007 | 242.373 | 510.434 | 0.902 | 529.574 | 146.245 | 1637.978 |
| %RSD | | 0.145 | 0.181 | 0.952 | 0.328 | 0.262 | 24.744 | 0.389 | 1.779 | 0.446 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:11:45 | 6055.971 | 6055.971 | 361826.400 | 92649.466 | 249759.690 | 361078.140 | 332535.130 | 587919.430 | 390939.470 |
| 2 | 23:12:53 | 6099.740 | 6099.740 | 360690.400 | 91804.978 | 251422.860 | 362092.390 | 330039.180 | 585358.030 | 388138.060 |
| 3 | 23:14:01 | 6093.487 | 6093.487 | 362603.550 | 92059.735 | 252531.220 | 360430.840 | 328750.600 | 587802.250 | 384919.910 |
| x | | 6083.066 | 6083.066 | 361706.780 | 92171.393 | 251237.920 | 361200.460 | 330441.640 | 587026.570 | 387999.150 |
| σ | | 23.672 | 23.672 | 962.169 | 433.175 | 1394.988 | 837.500 | 1924.098 | 1446.189 | 3012.187 |
| %RSD | | 0.389 | 0.389 | 0.266 | 0.470 | 0.555 | 0.232 | 0.582 | 0.246 | 0.776 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:11:45 | 423893.950 | 773820.930 | 1880548.000 | 621787.220 | 587738.780 | 1384387.900 | 385003.360 | 3733787.400 |
| 2 | 23:12:53 | 424227.060 | 778540.730 | 1876373.900 | 619422.100 | 589887.170 | 1387615.600 | 383369.670 | 3697852.100 |
| 3 | 23:14:01 | 418742.180 | 777215.140 | 1861387.000 | 622945.450 | 586487.330 | 1386634.700 | 378819.420 | 3714637.600 |
| x | | 422287.730 | 776525.600 | 1872769.600 | 621384.920 | 588037.760 | 1386212.800 | 382397.490 | 3715425.700 |
| σ | | 3075.048 | 2434.278 | 10076.152 | 1795.795 | 1719.525 | 1654.699 | 3204.549 | 17980.616 |
| %RSD | | 0.728 | 0.313 | 0.538 | 0.289 | 0.292 | 0.119 | 0.838 | 0.484 |

**CCB** 05/01/2011 11:18:34 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:19:42 | 12862.038 | 33.333 | 132.813 | 214.064 | 150546.910 | 13753.492 | 1800.113 | 2275.181 | 2990.938 |
| 2 | 23:20:51 | 12585.229 | 17.188 | 123.438 | 220.314 | 138429.970 | 10339.678 | 1318.811 | 1628.218 | 2257.991 |
| 3 | 23:21:59 | 13073.167 | 12.500 | 109.375 | 209.377 | 129306.000 | 6057.534 | 842.212 | 960.970 | 1504.767 |
| x | | 12840.144 | 21.007 | 121.876 | 214.585 | 139427.630 | 10050.235 | 1320.379 | 1621.456 | 2251.232 |
| σ | | 244.705 | 10.929 | 11.797 | 5.487 | 10655.539 | 3856.135 | 478.952 | 657.132 | 743.109 |
| %RSD | | 1.906 | 52.027 | 9.679 | 2.557 | 7.642 | 38.369 | 36.274 | 40.527 | 33.009 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:19:42 | 496.884 | 962.532 | 14978.160 | 67970.692 | 94947.292 | 51.563 | 1032.850 | 48764.337 | 67.188 |
| 2 | 23:20:51 | 593.762 | 895.341 | 14418.210 | 66526.417 | 89603.567 | 39.063 | 806.273 | 48922.689 | 34.375 |
| 3 | 23:21:59 | 465.633 | 853.150 | 14463.568 | 69484.197 | 85527.132 | 26.563 | 579.699 | 48372.383 | 29.688 |
| x | | 518.760 | 903.674 | 14619.979 | 67993.769 | 90025.997 | 39.063 | 806.274 | 48686.470 | 43.750 |
| σ | | 66.807 | 55.165 | 311.022 | 1479.025 | 4724.266 | 12.500 | 226.575 | 283.296 | 20.432 |
| %RSD | | 12.878 | 6.105 | 2.127 | 2.175 | 5.248 | 32.000 | 28.102 | 0.582 | 46.703 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:19:42 | 9273.321 | 562.511 | 2947.179 | 3348.830 | 1056.289 | 46941.057 | 1393.818 | 362.505 | 75.000 |
| 2 | 23:20:51 | 8960.622 | 470.320 | 2983.124 | 3105.025 | 798.460 | 43038.170 | 1326.624 | 290.628 | 84.375 |
| 3 | 23:21:59 | 8563.503 | 392.193 | 2798.712 | 2887.792 | 471.883 | 37831.276 | 1207.864 | 157.813 | 56.250 |
| x | | 8932.482 | 475.008 | 2909.671 | 3113.882 | 775.544 | 42603.501 | 1309.435 | 270.315 | 71.875 |
| σ | | 355.745 | 85.256 | 97.760 | 230.647 | 292.876 | 4570.419 | 94.161 | 103.846 | 14.321 |
| %RSD | | 3.983 | 17.948 | 3.360 | 7.407 | 37.764 | 10.728 | 7.191 | 38.417 | 19.924 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:19:42 | 482.821 | 279.690 | 204.689 | 160.418 | 20.313 | 20.313 | 128.646 | 20.833 | 21.354 |
| 2 | 23:20:51 | 326.566 | 170.314 | 165.626 | 127.605 | 28.125 | 28.125 | 140.105 | 21.875 | 17.708 |
| 3 | 23:21:59 | 231.252 | 57.813 | 110.938 | 118.230 | 28.125 | 28.125 | 133.855 | 15.625 | 19.792 |
| x | | 346.880 | 169.272 | 160.418 | 135.417 | 25.521 | 25.521 | 134.202 | 19.444 | 19.618 |
| σ | | 127.009 | 110.942 | 47.092 | 22.152 | 4.511 | 4.511 | 5.737 | 3.348 | 1.829 |
| %RSD | | 36.615 | 65.541 | 29.356 | 16.359 | 17.674 | 17.674 | 4.275 | 17.221 | 9.324 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:19:42 | 229.689 | 284.378 | 357.817 | 193.751 | 525.010 | 1.563 | 139980.910 | 109.375 | 560.949 |
| 2 | 23:20:51 | 129.688 | 242.190 | 206.251 | 153.126 | 370.317 | 3.125 | 137156.840 | 85.938 | 289.065 |
| 3 | 23:21:59 | 103.125 | 142.188 | 165.626 | 100.000 | 254.690 | 1.563 | 138846.480 | 92.188 | 185.939 |
| x | | 154.168 | 222.919 | 243.231 | 148.959 | 383.339 | 2.083 | 138661.410 | 95.834 | 345.318 |
| σ | | 66.739 | 73.027 | 101.292 | 47.014 | 135.630 | 0.902 | 1421.102 | 12.137 | 193.730 |
| %RSD | | 43.290 | 32.760 | 41.644 | 31.562 | 35.381 | 43.301 | 1.025 | 12.664 | 56.102 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:19:42 | 6.250 | 6.250 | 575.012 | 110.938 | 390.630 | 737.519 | 409.381 | 673.453 | 385048.300 |
| 2 | 23:20:51 | 6.250 | 6.250 | 307.816 | 75.000 | 410.943 | 503.134 | 242.190 | 443.757 | 382472.670 |
| 3 | 23:21:59 | 3.125 | 3.125 | 160.938 | 37.500 | 271.878 | 310.941 | 160.938 | 262.502 | 379899.100 |
| x | | 5.208 | 5.208 | 347.922 | 74.479 | 357.817 | 517.198 | 270.836 | 459.904 | 382473.350 |
| σ | | 1.804 | 1.804 | 209.930 | 36.722 | 75.116 | 213.637 | 126.674 | 205.951 | 2574.602 |
| %RSD | | 34.641 | 34.641 | 60.338 | 49.305 | 20.993 | 41.307 | 46.772 | 44.781 | 0.673 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:19:42 | 417982.920 | 1237.554 | 2990.938 | 753.145 | 695.329 | 1704.789 | 387033.690 | 3652.029 |
| 2 | 23:20:51 | 411144.980 | 715.643 | 1714.165 | 554.698 | 539.073 | 1167.235 | 385560.270 | 2731.511 |
| 3 | 23:21:59 | 410953.650 | 326.566 | 828.149 | 310.941 | 271.878 | 645.327 | 383528.540 | 1609.466 |
| x | | 413360.520 | 759.921 | 1844.418 | 539.595 | 502.093 | 1172.451 | 385374.170 | 2664.335 |
| σ | | 4004.264 | 457.105 | 1087.262 | 221.489 | 214.134 | 529.750 | 1759.972 | 1022.937 |
| %RSD | | 0.969 | 60.152 | 58.949 | 41.047 | 42.648 | 45.183 | 0.457 | 38.394 |

**C1881-11 MF3T95** 05/01/2011 11:26:32 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:27:40 | 12838.579 | 14.063 | 9848.706 | 353.129 | 84448863.000 | 13949326.000 | 1882402.900 | 2219247.300 | 1867.310 |
| 2 | 23:28:48 | 12786.970 | 7.292 | 9897.177 | 321.879 | 84818416.000 | 14015300.000 | 1891552.900 | 2247454.600 | 1237.554 |
| 3 | 23:29:56 | 12891.752 | 4.688 | 9628.244 | 348.442 | 82060196.000 | 13458620.000 | 1820990.600 | 2168717.600 | 1192.237 |
| x | | 12839.100 | 8.681 | 9791.376 | 341.150 | 83775825.000 | 13807749.000 | 1864982.200 | 2211806.500 | 1432.367 |
| σ | | 52.393 | 4.839 | 143.340 | 16.853 | 1497223.800 | 304148.750 | 38371.518 | 39892.389 | 377.352 |
| %RSD | | 0.408 | 55.749 | 1.464 | 4.940 | 1.787 | 2.203 | 2.057 | 1.804 | 26.345 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:27:40 | 1410039.700 | 779.709 | 241834.440 | 505782.180 | 2263406.100 | 150790.080 | 2619030.100 | 47601.048 | 109.375 |
| 2 | 23:28:48 | 1421168.800 | 729.706 | 242355.670 | 514089.720 | 2235393.000 | 151840.170 | 2639950.200 | 47731.169 | 84.375 |
| 3 | 23:29:56 | 1364645.300 | 682.829 | 235871.930 | 514727.710 | 2192104.600 | 146636.230 | 2522276.900 | 49755.245 | 100.000 |
| x | | 1398617.900 | 730.748 | 240020.680 | 511533.200 | 2230301.200 | 149755.500 | 2593752.400 | 48362.487 | 97.917 |
| σ | | 29942.759 | 48.448 | 3602.364 | 4990.737 | 35922.406 | 2751.912 | 62777.169 | 1207.917 | 12.630 |
| %RSD | | 2.141 | 6.630 | 1.501 | 0.976 | 1.611 | 1.838 | 2.420 | 2.498 | 12.898 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:27:40 | 96858.496 | 19605.632 | 21315.891 | 3336.327 | 662.515 | 44809.228 | 12560.207 | 585.950 | 551.573 |
| 2 | 23:28:48 | 100379.550 | 19608.761 | 21844.814 | 3195.670 | 515.634 | 40377.293 | 11551.543 | 432.819 | 504.696 |
| 3 | 23:29:56 | 99798.943 | 18981.352 | 22606.936 | 3211.298 | 471.883 | 39004.738 | 11096.495 | 435.944 | 478.133 |
| x | | 99012.330 | 19398.581 | 21922.547 | 3247.765 | 550.011 | 41397.086 | 11736.082 | 484.904 | 511.468 |
| σ | | 1887.731 | 361.335 | 649.023 | 77.094 | 99.857 | 3033.646 | 749.102 | 87.522 | 37.185 |
| %RSD | | 1.907 | 1.863 | 2.961 | 2.374 | 18.156 | 7.328 | 6.383 | 18.049 | 7.270 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:27:40 | 2253.303 | 1132.857 | 1464.138 | 1985.034 | 307.816 | 307.816 | 397.401 | 181.772 | 17.708 |
| 2 | 23:28:48 | 2232.987 | 1106.293 | 1479.764 | 1992.847 | 329.691 | 329.691 | 433.340 | 195.314 | 16.667 |
| 3 | 23:29:56 | 2031.394 | 1160.985 | 1353.189 | 1931.381 | 342.192 | 342.192 | 395.839 | 173.439 | 22.396 |
| x | | 2172.561 | 1133.378 | 1432.364 | 1969.754 | 326.566 | 326.566 | 408.860 | 183.508 | 18.924 |
| σ | | 122.675 | 27.350 | 69.011 | 33.461 | 17.400 | 17.400 | 21.215 | 11.040 | 3.052 |
| %RSD | | 5.647 | 2.413 | 4.818 | 1.699 | 5.328 | 5.328 | 5.189 | 6.016 | 16.127 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:27:40 | 846.900 | 921.905 | 1103.168 | 679.704 | 1665.722 | 4.688 | 124034.570 | 73.438 | 132.813 |
| 2 | 23:28:48 | 1798.449 | 948.469 | 1065.665 | 632.827 | 1601.652 | 1.563 | 124334.030 | 54.688 | 90.625 |
| 3 | 23:29:56 | 617.201 | 1021.912 | 970.345 | 601.575 | 1596.964 | 1.563 | 130007.640 | 45.313 | 54.688 |
| x | | 1087.517 | 964.095 | 1046.393 | 638.035 | 1621.446 | 2.604 | 126125.410 | 57.813 | 92.709 |
| σ | | 626.306 | 51.802 | 68.476 | 39.324 | 38.416 | 1.804 | 3365.439 | 14.321 | 39.104 |
| %RSD | | 57.590 | 5.373 | 6.544 | 6.163 | 2.369 | 69.282 | 2.668 | 24.771 | 42.180 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:27:40 | 1.563 | 1.563 | 101.563 | 46.875 | 218.752 | 326.566 | 4789.865 | 8391.526 | 365515.430 |
| 2 | 23:28:48 | 3.125 | 3.125 | 79.688 | 35.938 | 162.501 | 248.440 | 4546.036 | 8399.344 | 366866.590 |
| 3 | 23:29:56 | 3.125 | 3.125 | 56.250 | 31.250 | 143.751 | 225.002 | 4524.154 | 7972.537 | 380850.490 |
| x | | 2.604 | 2.604 | 79.167 | 38.021 | 175.001 | 266.669 | 4620.018 | 8254.469 | 371077.500 |
| σ | | 0.902 | 0.902 | 22.661 | 8.018 | 39.032 | 53.180 | 147.498 | 244.192 | 8490.577 |
| %RSD | | 34.641 | 34.641 | 28.624 | 21.089 | 22.304 | 19.942 | 3.193 | 2.958 | 2.288 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:27:40 | 396855.530 | 529.697 | 1306.310 | 1140.670 | 1003.160 | 2356.444 | 352736.060 | 56133.505 |
| 2 | 23:28:48 | 398611.230 | 284.378 | 640.639 | 923.467 | 804.710 | 2056.398 | 356789.570 | 56142.917 |
| 3 | 23:29:56 | 415483.450 | 242.190 | 489.071 | 900.028 | 771.896 | 1920.442 | 369439.450 | 54759.438 |
| x | | 403650.070 | 352.088 | 812.007 | 988.055 | 859.922 | 2111.095 | 359655.030 | 55678.620 |
| σ | | 10285.537 | 155.254 | 434.735 | 132.687 | 125.128 | 223.088 | 8712.573 | 796.049 |
| %RSD | | 2.548 | 44.095 | 53.538 | 13.429 | 14.551 | 10.567 | 2.422 | 1.430 |

**C1881-12 MF3T96** 05/01/2011 11:34:29 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:35:37 | 13523.586 | 7.292 | 11562.490 | 448.445 | 99739300.000 | 13278488.000 | 1794788.400 | 2110690.700 | 1367.253 |
| 2 | 23:36:45 | 13270.223 | 2.083 | 11645.370 | 492.196 | 99788254.000 | 13116023.000 | 1780378.800 | 2100905.200 | 1290.683 |
| 3 | 23:37:53 | 14053.784 | 2.604 | 12075.414 | 481.258 | 100734050.000 | 13382858.000 | 1797816.000 | 2134630.700 | 1089.104 |
| x | | 13615.864 | 3.993 | 11761.091 | 473.966 | 100087200.000 | 13259123.000 | 1790994.400 | 2115408.900 | 1249.013 |
| σ | | 399.848 | 2.869 | 275.348 | 22.769 | 560721.160 | 134467.490 | 9317.148 | 17350.719 | 143.680 |
| %RSD | | 2.937 | 71.838 | 2.341 | 4.804 | 0.560 | 1.014 | 0.520 | 0.820 | 11.503 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:35:37 | 1195810.000 | 779.709 | 261783.040 | 509928.880 | 2318214.200 | 151688.580 | 2611049.900 | 50053.158 | 87.500 |
| 2 | 23:36:45 | 1206142.400 | 682.829 | 262594.600 | 513830.640 | 2311307.900 | 150158.480 | 2615489.400 | 50111.173 | 87.500 |
| 3 | 23:37:53 | 1237815.300 | 675.016 | 268663.710 | 531503.670 | 2358278.700 | 153414.680 | 2627808.000 | 51950.539 | 106.250 |
| x | | 1213255.900 | 712.518 | 264347.120 | 518421.060 | 2329266.900 | 151753.910 | 2618115.800 | 50704.957 | 93.750 |
| σ | | 21887.543 | 58.320 | 3760.239 | 11496.602 | 25361.103 | 1629.082 | 8682.230 | 1079.096 | 10.825 |
| %RSD | | 1.804 | 8.185 | 1.422 | 2.218 | 1.089 | 1.074 | 0.332 | 2.128 | 11.547 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:35:37 | 91202.701 | 5039.951 | 19408.488 | 2668.999 | 646.890 | 37580.616 | 12424.150 | 365.630 | 379.693 |
| 2 | 23:36:45 | 93593.087 | 5055.582 | 20070.339 | 2570.544 | 579.699 | 36349.311 | 12508.599 | 318.754 | 376.567 |
| 3 | 23:37:53 | 95316.929 | 4997.749 | 20619.558 | 2651.809 | 590.637 | 35746.229 | 11922.160 | 303.128 | 351.567 |
| x | | 93370.906 | 5031.094 | 20032.795 | 2630.451 | 605.742 | 36558.719 | 12284.970 | 329.170 | 369.276 |
| σ | | 2066.093 | 29.917 | 606.407 | 52.588 | 36.052 | 934.950 | 317.027 | 32.527 | 15.416 |
| %RSD | | 2.213 | 0.595 | 3.027 | 1.999 | 5.952 | 2.557 | 2.581 | 9.881 | 4.175 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:35:37 | 2839.345 | 1393.818 | 1695.413 | 1881.374 | 384.380 | 384.380 | 560.949 | 238.544 | 20.833 |
| 2 | 23:36:45 | 2714.320 | 1339.125 | 1759.483 | 1884.499 | 384.380 | 384.380 | 554.698 | 245.835 | 21.354 |
| 3 | 23:37:53 | 2812.777 | 1314.123 | 1740.731 | 1893.876 | 401.568 | 401.568 | 532.302 | 253.127 | 22.396 |
| x | | 2788.814 | 1349.022 | 1731.876 | 1886.583 | 390.110 | 390.110 | 549.316 | 245.835 | 21.528 |
| σ | | 65.867 | 40.759 | 32.940 | 6.506 | 9.923 | 9.923 | 15.063 | 7.292 | 0.796 |
| %RSD | | 2.362 | 3.021 | 1.902 | 0.345 | 2.544 | 2.544 | 2.742 | 2.966 | 3.696 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:35:37 | 376.567 | 610.951 | 629.701 | 353.129 | 920.342 | 1.563 | 132510.160 | 75.000 | 79.688 |
| 2 | 23:36:45 | 1441.446 | 593.762 | 620.326 | 384.380 | 923.467 | 9.375 | 134233.960 | 110.938 | 60.938 |
| 3 | 23:37:53 | 325.004 | 557.823 | 623.451 | 367.192 | 834.399 | 0.000 | 137787.870 | 101.563 | 37.500 |
| x | | 714.339 | 587.512 | 624.493 | 368.234 | 892.736 | 3.646 | 134844.000 | 95.834 | 59.375 |
| σ | | 630.220 | 27.109 | 4.774 | 15.651 | 50.545 | 5.023 | 2691.216 | 18.641 | 21.137 |
| %RSD | | 88.224 | 4.614 | 0.764 | 4.250 | 5.662 | 137.766 | 1.996 | 19.452 | 35.599 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:35:37 | 3.125 | 3.125 | 75.000 | 12.500 | 156.251 | 170.314 | 5841.819 | 10436.623 | 390605.520 |
| 2 | 23:36:45 | 0.000 | 0.000 | 54.688 | 17.188 | 150.001 | 131.251 | 5971.560 | 10516.369 | 391994.360 |
| 3 | 23:37:53 | 1.563 | 1.563 | 23.438 | 10.938 | 118.750 | 114.063 | 5679.254 | 10316.224 | 403720.490 |
| x | | 1.563 | 1.563 | 51.042 | 13.542 | 141.667 | 138.542 | 5830.878 | 10423.072 | 395440.120 |
| σ | | 1.563 | 1.563 | 25.974 | 3.253 | 20.091 | 28.825 | 146.460 | 100.759 | 7204.549 |
| %RSD | | 100.000 | 100.000 | 50.888 | 24.019 | 14.182 | 20.806 | 2.512 | 0.967 | 1.822 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:35:37 | 425519.340 | 223.439 | 506.259 | 642.202 | 657.828 | 1451.636 | 374395.690 | 58616.887 |
| 2 | 23:36:45 | 430085.890 | 128.126 | 329.691 | 584.387 | 475.008 | 1275.057 | 379927.970 | 58320.364 |
| 3 | 23:37:53 | 437138.940 | 71.875 | 173.439 | 612.513 | 518.759 | 1185.987 | 386296.960 | 57422.990 |
| x | | 430914.720 | 141.147 | 336.463 | 613.034 | 550.532 | 1304.227 | 380206.880 | 58120.080 |
| σ | | 5853.976 | 76.616 | 166.514 | 28.911 | 95.461 | 135.206 | 5955.535 | 621.637 |
| %RSD | | 1.358 | 54.281 | 49.489 | 4.716 | 17.340 | 10.367 | 1.566 | 1.070 |

**C1881-13 MF3TB3** 05/01/2011 11:42:27 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:43:35 | 14577.747 | 2.083 | 9598.536 | 345.317 | 79934961.000 | 13131471.000 | 1786374.600 | 2137418.400 | 1000.035 |
| 2 | 23:44:43 | 14885.877 | 6.250 | 9426.547 | 367.192 | 78325962.000 | 12918277.000 | 1753448.100 | 2094645.900 | 878.152 |
| 3 | 23:45:51 | 14566.798 | 2.083 | 9800.235 | 395.318 | 79841992.000 | 13220858.000 | 1783000.900 | 2108040.900 | 835.962 |
| x | | 14676.807 | 3.472 | 9608.439 | 369.276 | 79367638.000 | 13090202.000 | 1774274.500 | 2113368.400 | 904.716 |
| σ | | 181.142 | 2.406 | 187.041 | 25.066 | 903315.410 | 155454.630 | 18114.916 | 21878.266 | 85.201 |
| %RSD | | 1.234 | 69.282 | 1.947 | 6.788 | 1.138 | 1.188 | 1.021 | 1.035 | 9.417 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:43:35 | 1511649.800 | 698.455 | 185064.430 | 515890.420 | 1172667.000 | 115822.310 | 2000115.900 | 51726.290 | 106.250 |
| 2 | 23:44:43 | 1460895.200 | 667.203 | 180815.220 | 517250.810 | 1143420.400 | 111661.250 | 1934956.700 | 52254.770 | 103.125 |
| 3 | 23:45:51 | 1515800.700 | 685.954 | 183850.470 | 525098.200 | 1193945.900 | 113207.730 | 1948307.100 | 51622.791 | 81.250 |
| x | | 1496115.200 | 683.871 | 183243.380 | 519413.140 | 1170011.100 | 113563.760 | 1961126.600 | 51867.950 | 96.875 |
| σ | | 30571.991 | 15.730 | 2188.691 | 4970.169 | 25367.251 | 2103.253 | 34419.256 | 338.969 | 13.622 |
| %RSD | | 2.043 | 2.300 | 1.194 | 0.957 | 2.168 | 1.852 | 1.755 | 0.654 | 14.061 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:43:35 | 117202.250 | 1067.227 | 20780.728 | 2603.362 | 518.759 | 37522.651 | 9961.284 | 298.441 | 365.630 |
| 2 | 23:44:43 | 117485.810 | 1021.912 | 21948.097 | 2404.890 | 451.570 | 36722.137 | 9506.287 | 332.816 | 378.130 |
| 3 | 23:45:51 | 119919.970 | 1021.912 | 22932.454 | 2478.340 | 385.943 | 36065.781 | 9704.858 | 292.190 | 428.131 |
| x | | 118202.680 | 1037.017 | 21887.093 | 2495.531 | 452.091 | 36770.190 | 9724.143 | 307.816 | 390.630 |
| σ | | 1493.966 | 26.163 | 1077.159 | 100.347 | 66.410 | 729.623 | 228.111 | 21.875 | 33.073 |
| %RSD | | 1.264 | 2.523 | 4.921 | 4.021 | 14.690 | 1.984 | 2.346 | 7.107 | 8.467 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:43:35 | 7895.932 | 3783.313 | 5955.929 | 2318.938 | 364.067 | 364.067 | 402.089 | 179.168 | 24.479 |
| 2 | 23:44:43 | 7763.046 | 3855.208 | 6079.418 | 2310.083 | 351.567 | 351.567 | 377.609 | 173.959 | 21.354 |
| 3 | 23:45:51 | 7766.173 | 3687.976 | 6048.155 | 2381.969 | 356.254 | 356.254 | 376.047 | 167.188 | 18.750 |
| x | | 7808.384 | 3775.499 | 6027.834 | 2336.997 | 357.296 | 357.296 | 385.248 | 173.439 | 21.528 |
| σ | | 75.835 | 83.889 | 64.204 | 39.198 | 6.315 | 6.315 | 14.605 | 6.007 | 2.869 |
| %RSD | | 0.971 | 2.222 | 1.065 | 1.677 | 1.767 | 1.767 | 3.791 | 3.463 | 13.325 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:43:35 | 2038.808 | 996.910 | 976.596 | 576.574 | 1648.533 | 1.563 | 134227.650 | 67.188 | 87.500 |
| 2 | 23:44:43 | 1855.004 | 932.843 | 1020.349 | 596.887 | 1540.708 | 3.125 | 137289.350 | 76.563 | 53.125 |
| 3 | 23:45:51 | 1752.498 | 967.220 | 987.534 | 554.698 | 1442.260 | 4.688 | 135722.930 | 101.563 | 29.688 |
| x | | 1882.103 | 965.658 | 994.826 | 576.053 | 1543.834 | 3.125 | 135746.640 | 81.771 | 56.771 |
| σ | | 145.066 | 32.062 | 22.770 | 21.099 | 103.172 | 1.563 | 1530.989 | 17.770 | 29.078 |
| %RSD | | 7.708 | 3.320 | 2.289 | 3.663 | 6.683 | 50.000 | 1.128 | 21.731 | 51.220 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:43:35 | 4.688 | 4.688 | 76.563 | 17.188 | 176.564 | 131.251 | 4120.907 | 7183.055 | 391623.460 |
| 2 | 23:44:43 | 1.563 | 1.563 | 39.063 | 6.250 | 118.750 | 89.063 | 3830.201 | 6881.345 | 400662.750 |
| 3 | 23:45:51 | 3.125 | 3.125 | 35.938 | 9.375 | 151.563 | 100.000 | 3920.851 | 6951.691 | 393155.300 |
| x | | 3.125 | 3.125 | 50.521 | 10.938 | 148.959 | 106.771 | 3957.319 | 7005.364 | 395147.170 |
| σ | | 1.563 | 1.563 | 22.607 | 5.634 | 28.994 | 21.894 | 148.745 | 157.854 | 4837.648 |
| %RSD | | 50.000 | 50.000 | 44.748 | 51.508 | 19.465 | 20.505 | 3.759 | 2.253 | 1.224 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:43:35 | 423950.270 | 118.750 | 254.690 | 1539.145 | 1375.066 | 3362.896 | 372978.080 | 66041.362 |
| 2 | 23:44:43 | 435943.870 | 56.250 | 143.751 | 1468.826 | 1373.504 | 3336.327 | 380635.500 | 64884.516 |
| 3 | 23:45:51 | 430259.760 | 29.688 | 121.876 | 1515.705 | 1340.688 | 3305.070 | 378472.920 | 64421.490 |
| x | | 430051.300 | 68.229 | 173.439 | 1507.892 | 1363.086 | 3334.764 | 377362.170 | 65115.789 |
| σ | | 5999.517 | 45.724 | 71.211 | 35.805 | 19.413 | 28.945 | 3947.704 | 834.333 |
| %RSD | | 1.395 | 67.015 | 41.058 | 2.375 | 1.424 | 0.868 | 1.046 | 1.281 |

**C1881-14 MF3TB4** 05/01/2011 11:50:26 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:51:34 | 13029.377 | 3.646 | 9284.266 | 485.946 | 83896382.000 | 9846581.100 | 1316886.500 | 1535743.300 | 593.762 |
| 2 | 23:52:42 | 13593.965 | 1.042 | 9517.232 | 434.382 | 85649938.000 | 9813789.000 | 1316754.800 | 1584205.000 | 567.199 |
| 3 | 23:53:50 | 13700.316 | 2.604 | 9859.651 | 435.944 | 85706921.000 | 9933515.200 | 1357278.700 | 1605744.700 | 621.889 |
| x | | 13441.219 | 2.431 | 9553.716 | 452.091 | 85084414.000 | 9864628.400 | 1330306.700 | 1575231.000 | 594.283 |
| σ | | 360.608 | 1.311 | 289.423 | 29.330 | 1029260.000 | 61869.804 | 23358.564 | 35853.159 | 27.349 |
| %RSD | | 2.683 | 53.927 | 3.029 | 6.488 | 1.210 | 0.627 | 1.756 | 2.276 | 4.602 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:51:34 | 1034722.500 | 695.329 | 205804.660 | 528031.530 | 2570140.800 | 139706.360 | 2413872.800 | 49049.686 | 68.750 |
| 2 | 23:52:42 | 1056414.500 | 664.078 | 206963.400 | 543437.160 | 2589787.600 | 141847.620 | 2446770.300 | 49777.196 | 70.313 |
| 3 | 23:53:50 | 1076324.600 | 668.766 | 210823.930 | 550188.340 | 2643501.400 | 142352.610 | 2455941.300 | 50928.117 | 85.938 |
| x | | 1055820.500 | 676.058 | 207864.000 | 540552.340 | 2601143.300 | 141302.200 | 2438861.500 | 49918.333 | 75.000 |
| σ | | 20807.425 | 16.854 | 2628.037 | 11356.614 | 37975.784 | 1404.909 | 22121.306 | 947.135 | 9.504 |
| %RSD | | 1.971 | 2.493 | 1.264 | 2.101 | 1.460 | 0.994 | 0.907 | 1.897 | 12.672 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:51:34 | 93132.278 | 992.222 | 20966.938 | 2392.388 | 334.379 | 35804.187 | 11274.760 | 285.940 | 301.566 |
| 2 | 23:52:42 | 95003.917 | 987.534 | 21547.488 | 2437.708 | 343.754 | 36065.781 | 12275.584 | 226.564 | 240.627 |
| 3 | 23:53:50 | 96858.496 | 1110.981 | 22276.730 | 2484.591 | 337.504 | 36786.365 | 12782.278 | 218.752 | 295.316 |
| x | | 94998.230 | 1030.246 | 21597.052 | 2438.229 | 338.546 | 36218.778 | 12110.874 | 243.752 | 279.169 |
| σ | | 1863.115 | 69.958 | 656.301 | 46.104 | 4.774 | 508.650 | 767.138 | 36.744 | 33.525 |
| %RSD | | 1.961 | 6.790 | 3.039 | 1.891 | 1.410 | 1.404 | 6.334 | 15.074 | 12.009 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:51:34 | 695.329 | 310.941 | 668.766 | 1760.525 | 365.630 | 365.630 | 436.986 | 187.501 | 17.708 |
| 2 | 23:52:42 | 728.144 | 340.629 | 689.079 | 1782.403 | 348.442 | 348.442 | 417.194 | 176.564 | 20.833 |
| 3 | 23:53:50 | 700.017 | 373.442 | 650.015 | 1867.310 | 334.379 | 334.379 | 442.194 | 193.751 | 27.083 |
| x | | 707.830 | 341.671 | 669.287 | 1803.413 | 349.483 | 349.483 | 432.125 | 185.939 | 21.875 |
| σ | | 17.747 | 31.264 | 19.537 | 56.407 | 15.651 | 15.651 | 13.190 | 8.700 | 4.774 |
| %RSD | | 2.507 | 9.150 | 2.919 | 3.128 | 4.478 | 4.478 | 3.052 | 4.679 | 21.822 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:51:34 | 209.377 | 426.569 | 478.133 | 251.565 | 662.515 | 4.688 | 130099.090 | 82.813 | 37.500 |
| 2 | 23:52:42 | 223.439 | 367.192 | 426.569 | 309.378 | 715.643 | 4.688 | 131950.330 | 89.063 | 14.063 |
| 3 | 23:53:50 | 235.939 | 412.506 | 409.381 | 295.316 | 675.016 | 6.250 | 134528.900 | 81.250 | 18.750 |
| x | | 222.918 | 402.089 | 438.028 | 285.420 | 684.391 | 5.208 | 132192.770 | 84.375 | 23.438 |
| σ | | 13.289 | 31.029 | 35.780 | 30.150 | 27.777 | 0.902 | 2224.834 | 4.134 | 12.402 |
| %RSD | | 5.961 | 7.717 | 8.168 | 10.564 | 4.059 | 17.321 | 1.683 | 4.900 | 52.915 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:51:34 | 4.688 | 4.688 | 39.063 | 6.250 | 112.500 | 73.438 | 6009.076 | 10610.189 | 378806.590 |
| 2 | 23:52:42 | 1.563 | 1.563 | 32.813 | 4.688 | 112.500 | 57.813 | 6010.639 | 10469.460 | 383799.740 |
| 3 | 23:53:50 | 4.688 | 4.688 | 15.625 | 0.000 | 112.500 | 43.750 | 6129.440 | 10926.052 | 385792.990 |
| x | | 3.646 | 3.646 | 29.167 | 3.646 | 112.500 | 58.333 | 6049.718 | 10668.567 | 382799.770 |
| σ | | 1.804 | 1.804 | 12.137 | 3.253 | 0.000 | 14.851 | 69.045 | 233.827 | 3598.945 |
| %RSD | | 49.487 | 49.487 | 41.611 | 89.214 | 0.000 | 25.458 | 1.141 | 2.192 | 0.940 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:51:34 | 412780.190 | 37.500 | 82.813 | 314.066 | 303.128 | 664.078 | 362036.310 | 50542.376 |
| 2 | 23:52:42 | 419118.610 | 23.438 | 54.688 | 339.067 | 295.316 | 601.575 | 370675.550 | 50612.937 |
| 3 | 23:53:50 | 421000.880 | 18.750 | 56.250 | 326.566 | 310.941 | 632.827 | 371881.280 | 51113.151 |
| x | | 417633.230 | 26.563 | 64.583 | 326.566 | 303.128 | 632.827 | 368197.710 | 50756.155 |
| σ | | 4306.934 | 9.758 | 15.806 | 12.500 | 7.813 | 31.251 | 5369.881 | 311.174 |
| %RSD | | 1.031 | 36.735 | 24.474 | 3.828 | 2.577 | 4.938 | 1.458 | 0.613 |

**C1881-15 MF3TB5** 05/01/2011 11:58:24 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:59:32 | 14080.373 | 3.646 | 11124.642 | 432.819 | 85398068.000 | 11881152.000 | 1597851.900 | 1888628.900 | 751.582 |
| 2 | 00:00:41 | 14150.755 | 1.563 | 10991.727 | 409.381 | 84018299.000 | 11611433.000 | 1576852.400 | 1872227.800 | 715.643 |
| 3 | 00:01:49 | 13872.357 | 4.167 | 10572.661 | 396.881 | 81555431.000 | 11272952.000 | 1527542.800 | 1815771.600 | 610.951 |
| x | | 14034.495 | 3.125 | 10896.343 | 413.027 | 83657266.000 | 11588512.000 | 1567415.700 | 1858876.100 | 692.725 |
| σ | | 144.758 | 1.378 | 288.087 | 18.245 | 1946592.600 | 304747.210 | 36092.015 | 38219.735 | 73.063 |
| %RSD | | 1.031 | 44.096 | 2.644 | 4.417 | 2.327 | 2.630 | 2.303 | 2.056 | 10.547 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:59:32 | 1603811.200 | 809.398 | 190306.060 | 525244.040 | 1921262.500 | 103574.110 | 1809499.800 | 52610.761 | 134.376 |
| 2 | 00:00:41 | 1526300.100 | 782.834 | 188654.690 | 530997.870 | 1912122.700 | 102478.750 | 1775960.600 | 51749.812 | 115.625 |
| 3 | 00:01:49 | 1500993.500 | 809.398 | 180641.170 | 518556.250 | 1832930.400 | 97840.151 | 1706503.500 | 50108.037 | 123.438 |
| x | | 1543701.600 | 800.543 | 186533.970 | 524932.720 | 1888771.900 | 101297.670 | 1763988.000 | 51489.537 | 124.480 |
| σ | | 53572.160 | 15.337 | 5169.683 | 6226.650 | 48575.574 | 3043.975 | 52531.579 | 1271.501 | 9.418 |
| %RSD | | 3.470 | 1.916 | 2.771 | 1.186 | 2.572 | 3.005 | 2.978 | 2.469 | 7.566 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:59:32 | 133099.980 | 3489.489 | 22049.816 | 6876.655 | 1031.287 | 111100.660 | 12341.266 | 225.002 | 287.503 |
| 2 | 00:00:41 | 135033.630 | 3441.039 | 22898.024 | 6775.044 | 985.972 | 109699.260 | 11707.921 | 212.502 | 268.753 |
| 3 | 00:01:49 | 133475.340 | 3265.998 | 23334.667 | 6714.077 | 1065.665 | 107123.580 | 10628.953 | 210.939 | 232.814 |
| x | | 133869.650 | 3398.842 | 22760.836 | 6788.592 | 1027.641 | 109307.830 | 11559.380 | 216.147 | 263.023 |
| σ | | 1025.357 | 117.569 | 653.319 | 82.131 | 39.972 | 2017.226 | 865.767 | 7.708 | 27.791 |
| %RSD | | 0.766 | 3.459 | 2.870 | 1.210 | 3.890 | 1.845 | 7.490 | 3.566 | 10.566 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:59:32 | 5504.185 | 2536.163 | 1270.369 | 2615.343 | 321.879 | 321.879 | 364.067 | 169.272 | 16.146 |
| 2 | 00:00:41 | 5386.953 | 2617.427 | 1207.864 | 2673.167 | 296.878 | 296.878 | 331.254 | 145.313 | 14.063 |
| 3 | 00:01:49 | 5218.140 | 2503.344 | 1134.420 | 2708.590 | 315.628 | 315.628 | 326.566 | 144.792 | 19.792 |
| x | | 5369.760 | 2552.311 | 1204.218 | 2665.700 | 311.462 | 311.462 | 340.629 | 153.126 | 16.667 |
| σ | | 143.795 | 58.731 | 68.048 | 47.070 | 13.011 | 13.011 | 20.433 | 13.985 | 2.900 |
| %RSD | | 2.678 | 2.301 | 5.651 | 1.766 | 4.177 | 4.177 | 5.999 | 9.133 | 17.399 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:59:32 | 762.520 | 1389.130 | 1359.440 | 882.840 | 2232.987 | 0.000 | 134226.070 | 106.250 | 42.188 |
| 2 | 00:00:41 | 745.332 | 1320.374 | 1362.565 | 817.211 | 2089.215 | 0.000 | 132945.430 | 70.313 | 15.625 |
| 3 | 00:01:49 | 723.456 | 1351.626 | 1479.764 | 881.277 | 2190.793 | 4.688 | 131912.480 | 87.500 | 14.063 |
| x | | 743.769 | 1353.710 | 1400.590 | 860.443 | 2170.998 | 1.563 | 133027.990 | 88.021 | 23.958 |
| σ | | 19.579 | 34.426 | 68.585 | 37.448 | 73.902 | 2.706 | 1159.002 | 17.975 | 15.806 |
| %RSD | | 2.632 | 2.543 | 4.897 | 4.352 | 3.404 | 173.205 | 0.871 | 20.421 | 65.974 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:59:32 | 1.563 | 1.563 | 31.250 | 3.125 | 225.002 | 85.938 | 6046.592 | 10987.036 | 391299.120 |
| 2 | 00:00:41 | 3.125 | 3.125 | 15.625 | 10.938 | 198.439 | 82.813 | 6049.718 | 10591.425 | 389483.310 |
| 3 | 00:01:49 | 3.125 | 3.125 | 18.750 | 3.125 | 198.439 | 82.813 | 5976.250 | 10675.863 | 384505.850 |
| x | | 2.604 | 2.604 | 21.875 | 5.729 | 207.293 | 83.854 | 6024.187 | 10751.441 | 388429.430 |
| σ | | 0.902 | 0.902 | 8.268 | 4.511 | 15.336 | 1.804 | 41.544 | 208.353 | 3517.119 |
| %RSD | | 34.641 | 34.641 | 37.796 | 78.730 | 7.398 | 2.152 | 0.690 | 1.938 | 0.905 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:59:32 | 421581.700 | 54.688 | 145.313 | 3151.910 | 2733.074 | 6596.835 | 370675.550 | 52485.300 |
| 2 | 00:00:41 | 420801.380 | 42.188 | 131.251 | 3030.009 | 2686.190 | 6678.123 | 374206.460 | 52565.281 |
| 3 | 00:01:49 | 418740.570 | 35.938 | 112.500 | 3147.222 | 2600.237 | 6413.940 | 371440.340 | 51179.011 |
| x | | 420374.550 | 44.271 | 129.688 | 3109.714 | 2673.167 | 6562.966 | 372107.450 | 52076.531 |
| σ | | 1467.869 | 9.547 | 16.462 | 69.066 | 67.369 | 135.309 | 1857.580 | 778.303 |
| %RSD | | 0.349 | 21.565 | 12.694 | 2.221 | 2.520 | 2.062 | 0.499 | 1.495 |

**C1881-11X25 MF3T95** 05/02/2011 12:06:24 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:07:32 | 13579.889 | 1.563 | 754.707 | 228.127 | 3975538.800 | 646039.250 | 83510.567 | 101396.070 | 342.192 |
| 2 | 00:08:41 | 14310.289 | 0.521 | 757.833 | 267.190 | 3949539.900 | 643085.680 | 82897.637 | 99723.418 | 353.129 |
| 3 | 00:09:49 | 14013.119 | 2.604 | 676.579 | 229.689 | 3989899.300 | 643301.230 | 83886.195 | 101775.310 | 426.569 |
| x | | 13967.766 | 1.563 | 729.706 | 241.669 | 3971659.300 | 644142.050 | 83431.466 | 100964.930 | 373.963 |
| σ | | 367.306 | 1.042 | 46.036 | 22.116 | 20457.454 | 1646.553 | 499.003 | 1091.776 | 45.885 |
| %RSD | | 2.630 | 66.667 | 6.309 | 9.151 | 0.515 | 0.256 | 0.598 | 1.081 | 12.270 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:07:32 | 60386.735 | 862.526 | 24506.940 | 99429.191 | 183095.560 | 6607.778 | 112420.300 | 53780.730 | 21.875 |
| 2 | 00:08:41 | 61425.525 | 842.212 | 24743.285 | 98724.328 | 180513.000 | 6878.218 | 112283.290 | 54593.178 | 34.375 |
| 3 | 00:09:49 | 61450.633 | 834.399 | 24813.719 | 95961.850 | 179903.830 | 6714.077 | 113391.990 | 53821.508 | 25.000 |
| x | | 61087.631 | 846.379 | 24687.981 | 98038.456 | 181170.790 | 6733.358 | 112698.520 | 54065.139 | 27.083 |
| σ | | 607.123 | 14.519 | 160.693 | 1832.602 | 1694.492 | 136.247 | 604.455 | 457.750 | 6.505 |
| %RSD | | 0.994 | 1.715 | 0.651 | 1.869 | 0.935 | 2.023 | 0.536 | 0.847 | 24.019 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:07:32 | 20599.216 | 1118.794 | 6282.631 | 2654.934 | 184.376 | 34435.202 | 1482.890 | 26.563 | 43.750 |
| 2 | 00:08:41 | 19535.223 | 1131.295 | 6032.523 | 2639.306 | 164.063 | 34676.410 | 1550.084 | 21.875 | 45.313 |
| 3 | 00:09:49 | 18813.943 | 1195.363 | 5732.400 | 2714.320 | 187.501 | 34183.035 | 1475.076 | 31.250 | 34.375 |
| x | | 19649.461 | 1148.484 | 6015.852 | 2669.520 | 178.647 | 34431.549 | 1502.683 | 26.563 | 41.146 |
| σ | | 898.102 | 41.077 | 275.494 | 39.577 | 12.726 | 246.708 | 41.236 | 4.688 | 5.916 |
| %RSD | | 4.571 | 3.577 | 4.579 | 1.483 | 7.124 | 0.717 | 2.744 | 17.647 | 14.377 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:07:32 | 153.126 | 50.000 | 106.250 | 281.253 | 71.875 | 71.875 | 144.792 | 26.563 | 21.354 |
| 2 | 00:08:41 | 117.188 | 53.125 | 142.188 | 259.377 | 62.500 | 62.500 | 132.813 | 23.438 | 21.354 |
| 3 | 00:09:49 | 159.376 | 50.000 | 114.063 | 257.294 | 81.250 | 81.250 | 163.022 | 26.042 | 22.917 |
| x | | 143.230 | 51.042 | 120.834 | 265.975 | 71.875 | 71.875 | 146.876 | 25.347 | 21.875 |
| σ | | 22.768 | 1.804 | 18.901 | 13.272 | 9.375 | 9.375 | 15.212 | 1.674 | 0.902 |
| %RSD | | 15.896 | 3.535 | 15.643 | 4.990 | 13.044 | 13.044 | 10.357 | 6.605 | 4.124 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:07:32 | 37.500 | 39.063 | 45.313 | 39.063 | 65.625 | 1.563 | 149059.560 | 98.438 | 4.688 |
| 2 | 00:08:41 | 45.313 | 48.438 | 54.688 | 31.250 | 68.750 | 3.125 | 155490.060 | 92.188 | 1.563 |
| 3 | 00:09:49 | 25.000 | 57.813 | 48.438 | 34.375 | 76.563 | 3.125 | 152312.350 | 98.438 | 4.688 |
| x | | 35.938 | 48.438 | 49.479 | 34.896 | 70.313 | 2.604 | 152287.320 | 96.354 | 3.646 |
| σ | | 10.246 | 9.375 | 4.774 | 3.932 | 5.634 | 0.902 | 3215.323 | 3.608 | 1.804 |
| %RSD | | 28.511 | 19.355 | 9.648 | 11.268 | 8.012 | 34.641 | 2.111 | 3.745 | 49.487 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:07:32 | 1.563 | 1.563 | 1.563 | 0.000 | 42.188 | 15.625 | 206.251 | 326.566 | 406034.710 |
| 2 | 00:08:41 | 0.000 | 0.000 | 4.688 | 1.563 | 48.438 | 20.313 | 167.188 | 342.192 | 418775.960 |
| 3 | 00:09:49 | 0.000 | 0.000 | 1.563 | 3.125 | 53.125 | 17.188 | 196.876 | 364.067 | 410995.450 |
| x | | 0.521 | 0.521 | 2.604 | 1.563 | 47.917 | 17.708 | 190.105 | 344.275 | 411935.370 |
| σ | | 0.902 | 0.902 | 1.804 | 1.563 | 5.487 | 2.387 | 20.393 | 18.837 | 6422.421 |
| %RSD | | 173.205 | 173.205 | 69.282 | 100.000 | 11.452 | 13.478 | 10.727 | 5.472 | 1.559 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:07:32 | 439308.690 | 15.625 | 32.813 | 53.125 | 50.000 | 164.063 | 401525.530 | 2264.242 |
| 2 | 00:08:41 | 451955.080 | 12.500 | 40.625 | 60.938 | 46.875 | 101.563 | 413468.420 | 2178.291 |
| 3 | 00:09:49 | 449330.450 | 18.750 | 32.813 | 57.813 | 51.563 | 118.750 | 411095.140 | 2207.983 |
| x | | 446864.740 | 15.625 | 35.417 | 57.292 | 49.479 | 128.126 | 408696.360 | 2216.839 |
| σ | | 6674.024 | 3.125 | 4.511 | 3.932 | 2.387 | 32.288 | 6322.479 | 43.654 |
| %RSD | | 1.494 | 20.000 | 12.736 | 6.863 | 4.824 | 25.200 | 1.547 | 1.969 |

**C1881-12X25 MF3T96** 05/02/2011 12:14:25 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:15:33 | 14538.644 | 2.604 | 659.390 | 245.315 | 4743870.900 | 615800.400 | 80549.889 | 96899.396 | 390.630 |
| 2 | 00:16:41 | 14512.055 | 2.604 | 707.830 | 262.502 | 4785318.600 | 625874.880 | 81671.857 | 97011.088 | 389.068 |
| 3 | 00:17:49 | 14541.772 | 2.604 | 765.646 | 226.564 | 4824074.800 | 632320.910 | 83233.959 | 100333.920 | 403.131 |
| x | | 14530.824 | 2.604 | 710.955 | 244.794 | 4784421.400 | 624665.400 | 81818.569 | 98081.469 | 394.276 |
| σ | | 16.330 | 0.000 | 53.197 | 17.975 | 40109.469 | 8326.402 | 1348.036 | 1951.480 | 7.708 |
| %RSD | | 0.112 | 0.000 | 7.482 | 7.343 | 0.838 | 1.333 | 1.648 | 1.990 | 1.955 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:15:33 | 54030.106 | 864.089 | 25835.841 | 90256.093 | 184111.610 | 6692.192 | 113576.260 | 56003.308 | 14.063 |
| 2 | 00:16:41 | 55011.968 | 846.900 | 26707.755 | 90718.382 | 185482.300 | 6976.703 | 114729.170 | 55545.275 | 4.688 |
| 3 | 00:17:49 | 56291.939 | 842.212 | 26050.292 | 91262.456 | 185957.160 | 7106.455 | 116231.870 | 56641.755 | 18.750 |
| x | | 55111.338 | 851.067 | 26197.963 | 90745.644 | 185183.690 | 6925.117 | 114845.760 | 56063.446 | 12.500 |
| σ | | 1134.186 | 11.518 | 454.327 | 503.735 | 958.325 | 211.894 | 1331.637 | 550.708 | 7.160 |
| %RSD | | 2.058 | 1.353 | 1.734 | 0.555 | 0.517 | 3.060 | 1.160 | 0.982 | 57.282 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:15:33 | 15436.460 | 528.135 | 4727.345 | 2603.362 | 185.939 | 34197.132 | 1568.836 | 14.063 | 39.063 |
| 2 | 00:16:41 | 14965.647 | 489.071 | 4552.288 | 2667.437 | 154.688 | 33584.744 | 1476.639 | 18.750 | 43.750 |
| 3 | 00:17:49 | 14779.516 | 501.571 | 4591.363 | 2615.865 | 151.563 | 33850.996 | 1540.708 | 26.563 | 46.875 |
| x | | 15060.541 | 506.259 | 4623.665 | 2628.888 | 164.063 | 33877.624 | 1528.728 | 19.792 | 43.229 |
| σ | | 338.596 | 19.949 | 91.890 | 33.964 | 19.009 | 307.061 | 47.252 | 6.315 | 3.932 |
| %RSD | | 2.248 | 3.941 | 1.987 | 1.292 | 11.586 | 0.906 | 3.091 | 31.906 | 9.096 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:15:33 | 168.751 | 73.438 | 143.751 | 219.273 | 60.938 | 60.938 | 147.917 | 35.417 | 18.750 |
| 2 | 00:16:41 | 143.751 | 92.188 | 140.626 | 209.377 | 75.000 | 75.000 | 141.147 | 25.521 | 20.313 |
| 3 | 00:17:49 | 176.564 | 70.313 | 134.376 | 222.398 | 62.500 | 62.500 | 163.022 | 28.125 | 22.917 |
| x | | 163.022 | 78.646 | 139.584 | 217.016 | 66.146 | 66.146 | 150.695 | 29.688 | 20.660 |
| σ | | 17.140 | 11.831 | 4.774 | 6.798 | 7.708 | 7.708 | 11.199 | 5.130 | 2.105 |
| %RSD | | 10.514 | 15.044 | 3.420 | 3.132 | 11.653 | 11.653 | 7.432 | 17.279 | 10.189 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:15:33 | 37.500 | 26.563 | 35.938 | 34.375 | 42.188 | 4.688 | 157483.590 | 100.000 | 4.688 |
| 2 | 00:16:41 | 26.563 | 32.813 | 40.625 | 20.313 | 40.625 | 4.688 | 155523.230 | 118.750 | 9.375 |
| 3 | 00:17:49 | 7.813 | 23.438 | 34.375 | 21.875 | 59.375 | 1.563 | 157530.990 | 115.625 | 3.125 |
| x | | 23.958 | 27.604 | 36.979 | 25.521 | 47.396 | 3.646 | 156845.940 | 111.459 | 5.729 |
| σ | | 15.014 | 4.774 | 3.253 | 7.708 | 10.404 | 1.804 | 1145.743 | 10.046 | 3.253 |
| %RSD | | 62.668 | 17.293 | 8.796 | 30.201 | 21.951 | 49.487 | 0.730 | 9.013 | 56.773 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:15:33 | 0.000 | 0.000 | 7.813 | 0.000 | 43.750 | 10.938 | 259.377 | 473.445 | 424806.400 |
| 2 | 00:16:41 | 0.000 | 0.000 | 6.250 | 3.125 | 56.250 | 18.750 | 218.752 | 471.883 | 427189.980 |
| 3 | 00:17:49 | 0.000 | 0.000 | 9.375 | 1.563 | 37.500 | 9.375 | 226.564 | 418.756 | 426349.800 |
| x | | 0.000 | 0.000 | 7.813 | 1.563 | 45.833 | 13.021 | 234.898 | 454.695 | 426115.390 |
| σ | | 0.000 | 0.000 | 1.563 | 1.563 | 9.547 | 5.023 | 21.557 | 31.134 | 1208.957 |
| %RSD | | 0.000 | 0.000 | 20.000 | 100.000 | 20.830 | 38.575 | 9.177 | 6.847 | 0.284 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:15:33 | 460514.200 | 14.063 | 53.125 | 32.813 | 32.813 | 84.375 | 423028.220 | 2425.206 |
| 2 | 00:16:41 | 465267.690 | 21.875 | 70.313 | 48.438 | 32.813 | 95.313 | 426864.850 | 2370.509 |
| 3 | 00:17:49 | 461787.130 | 20.313 | 59.375 | 45.313 | 59.375 | 90.625 | 431409.280 | 2428.331 |
| x | | 462523.010 | 18.750 | 60.938 | 42.188 | 41.667 | 90.104 | 427100.780 | 2408.016 |
| σ | | 2460.699 | 4.134 | 8.700 | 8.268 | 15.336 | 5.487 | 4195.511 | 32.519 |
| %RSD | | 0.532 | 22.048 | 14.276 | 19.598 | 36.806 | 6.090 | 0.982 | 1.350 |

**C1881-13X25 MF3TB3** 05/02/2011 12:22:25 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:23:33 | 15086.086 | 3.646 | 504.696 | 214.064 | 3714324.300 | 596300.650 | 77244.208 | 93585.224 | 492.196 |
| 2 | 00:24:41 | 14946.878 | 1.042 | 525.010 | 246.877 | 3690757.100 | 595592.410 | 76573.424 | 92303.487 | 448.445 |
| 3 | 00:25:49 | 14909.339 | 1.563 | 503.134 | 245.315 | 3720890.300 | 600519.310 | 77365.172 | 94505.313 | 393.755 |
| x | | 14980.768 | 2.083 | 510.947 | 235.419 | 3708657.200 | 597470.790 | 77060.935 | 93464.675 | 444.799 |
| σ | | 93.120 | 1.378 | 12.204 | 18.510 | 15845.779 | 2663.739 | 426.507 | 1105.852 | 49.321 |
| %RSD | | 0.622 | 66.144 | 2.388 | 7.863 | 0.427 | 0.446 | 0.553 | 1.183 | 11.088 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:23:33 | 65904.796 | 842.212 | 22085.809 | 87680.754 | 130756.620 | 4838.319 | 82300.449 | 56665.286 | 20.313 |
| 2 | 00:24:41 | 65022.642 | 873.464 | 21286.159 | 88982.516 | 130679.350 | 5022.758 | 81728.429 | 56564.889 | 17.188 |
| 3 | 00:25:49 | 67418.082 | 868.776 | 22079.550 | 89831.555 | 131108.250 | 5021.195 | 83710.167 | 55913.897 | 15.625 |
| x | | 66115.173 | 861.484 | 21817.173 | 88831.608 | 130848.070 | 4960.757 | 82579.682 | 56381.357 | 17.708 |
| σ | | 1211.498 | 16.854 | 459.882 | 1083.312 | 228.611 | 106.037 | 1019.951 | 407.933 | 2.387 |
| %RSD | | 1.832 | 1.956 | 2.108 | 1.220 | 0.175 | 2.138 | 1.235 | 0.724 | 13.478 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:23:33 | 13862.973 | 281.253 | 3955.235 | 2665.874 | 140.626 | 34192.433 | 1365.690 | 17.188 | 45.313 |
| 2 | 00:24:41 | 14020.940 | 309.378 | 3916.162 | 2742.451 | 160.938 | 34162.674 | 1375.066 | 25.000 | 40.625 |
| 3 | 00:25:49 | 13789.465 | 304.691 | 3842.704 | 2612.739 | 160.938 | 34198.698 | 1425.071 | 23.438 | 28.125 |
| x | | 13891.126 | 298.441 | 3904.700 | 2673.688 | 154.168 | 34184.602 | 1388.609 | 21.875 | 38.021 |
| σ | | 118.278 | 15.069 | 57.134 | 65.208 | 11.728 | 19.246 | 31.923 | 4.134 | 8.885 |
| %RSD | | 0.851 | 5.049 | 1.463 | 2.439 | 7.607 | 0.056 | 2.299 | 18.898 | 23.368 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:23:33 | 398.443 | 185.939 | 304.691 | 198.960 | 60.938 | 60.938 | 151.042 | 32.292 | 14.063 |
| 2 | 00:24:41 | 371.880 | 206.251 | 298.441 | 204.689 | 54.688 | 54.688 | 138.542 | 21.354 | 25.521 |
| 3 | 00:25:49 | 357.817 | 192.189 | 296.878 | 201.043 | 65.625 | 65.625 | 152.605 | 27.604 | 22.917 |
| x | | 376.047 | 194.793 | 300.003 | 201.564 | 60.417 | 60.417 | 147.397 | 27.083 | 20.833 |
| σ | | 20.631 | 10.404 | 4.134 | 2.900 | 5.487 | 5.487 | 7.708 | 5.487 | 6.007 |
| %RSD | | 5.486 | 5.341 | 1.378 | 1.439 | 9.082 | 9.082 | 5.229 | 20.261 | 28.831 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:23:33 | 40.625 | 48.438 | 34.375 | 17.188 | 79.688 | 3.125 | 157523.090 | 98.438 | 6.250 |
| 2 | 00:24:41 | 32.813 | 35.938 | 45.313 | 35.938 | 81.250 | 3.125 | 158248.220 | 106.250 | 12.500 |
| 3 | 00:25:49 | 39.063 | 32.813 | 53.125 | 29.688 | 64.063 | 0.000 | 157085.490 | 112.500 | 6.250 |
| x | | 37.500 | 39.063 | 44.271 | 27.604 | 75.000 | 2.083 | 157618.930 | 105.730 | 8.333 |
| σ | | 4.134 | 8.268 | 9.418 | 9.547 | 9.504 | 1.804 | 587.260 | 7.046 | 3.608 |
| %RSD | | 11.024 | 21.166 | 21.274 | 34.586 | 12.672 | 86.603 | 0.373 | 6.664 | 43.301 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:23:33 | 0.000 | 0.000 | 10.938 | 1.563 | 43.750 | 7.813 | 154.688 | 304.691 | 426288.640 |
| 2 | 00:24:41 | 0.000 | 0.000 | 7.813 | 1.563 | 46.875 | 17.188 | 162.501 | 331.254 | 426444.760 |
| 3 | 00:25:49 | 3.125 | 3.125 | 4.688 | 1.563 | 42.188 | 14.063 | 189.064 | 357.817 | 422494.000 |
| x | | 1.042 | 1.042 | 7.813 | 1.563 | 44.271 | 13.021 | 168.751 | 331.254 | 425075.800 |
| σ | | 1.804 | 1.804 | 3.125 | 0.000 | 2.387 | 4.774 | 18.020 | 26.563 | 2237.267 |
| %RSD | | 173.205 | 173.205 | 40.000 | 0.000 | 5.391 | 36.661 | 10.678 | 8.019 | 0.526 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:23:33 | 458404.190 | 18.750 | 48.438 | 84.375 | 68.750 | 164.063 | 420902.740 | 2651.809 |
| 2 | 00:24:41 | 459883.430 | 15.625 | 46.875 | 109.375 | 56.250 | 185.939 | 421290.480 | 2550.228 |
| 3 | 00:25:49 | 462061.420 | 20.313 | 56.250 | 85.938 | 92.188 | 176.564 | 420555.230 | 2504.907 |
| x | | 460116.340 | 18.229 | 50.521 | 93.229 | 72.396 | 175.522 | 420916.150 | 2568.981 |
| σ | | 1839.703 | 2.387 | 5.023 | 14.005 | 18.244 | 10.975 | 367.812 | 75.225 |
| %RSD | | 0.400 | 13.093 | 9.942 | 15.022 | 25.200 | 6.253 | 0.087 | 2.928 |

**C1881-14X25 MF3TB4** 05/02/2011 12:30:25 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:31:34 | 14968.776 | 2.604 | 518.759 | 237.502 | 3943830.400 | 444472.590 | 57539.081 | 69011.602 | 442.194 |
| 2 | 00:32:42 | 14699.747 | 0.000 | 576.574 | 242.190 | 3949919.700 | 452968.920 | 58754.952 | 70115.395 | 434.382 |
| 3 | 00:33:50 | 14818.619 | 2.604 | 531.260 | 209.377 | 3923038.900 | 447644.280 | 58855.364 | 68818.486 | 434.382 |
| x | | 14829.047 | 1.736 | 542.198 | 229.689 | 3938929.700 | 448361.930 | 58383.132 | 69315.161 | 436.986 |
| σ | | 134.817 | 1.504 | 30.420 | 17.747 | 14094.556 | 4293.390 | 732.692 | 699.717 | 4.511 |
| %RSD | | 0.909 | 86.603 | 5.610 | 7.726 | 0.358 | 0.958 | 1.255 | 1.009 | 1.032 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:31:34 | 46152.557 | 795.335 | 23104.606 | 89265.523 | 189753.470 | 6210.725 | 101562.870 | 55488.806 | 20.313 |
| 2 | 00:32:42 | 47061.766 | 859.401 | 23508.389 | 90721.527 | 192412.120 | 6406.124 | 103819.630 | 54041.085 | 17.188 |
| 3 | 00:33:50 | 46459.800 | 890.653 | 23063.916 | 91139.802 | 191938.620 | 6259.183 | 102208.070 | 55030.790 | 14.063 |
| x | | 46558.041 | 848.463 | 23225.637 | 90375.617 | 191368.070 | 6292.011 | 102530.190 | 54853.560 | 17.188 |
| σ | | 462.497 | 48.591 | 245.714 | 983.855 | 1418.184 | 101.752 | 1162.352 | 739.954 | 3.125 |
| %RSD | | 0.993 | 5.727 | 1.058 | 1.089 | 0.741 | 1.617 | 1.134 | 1.349 | 18.182 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:31:34 | 11801.748 | 329.691 | 3697.353 | 2523.660 | 164.063 | 34917.621 | 1621.967 | 12.500 | 39.063 |
| 2 | 00:32:42 | 11696.974 | 309.378 | 3583.262 | 2697.130 | 148.438 | 35017.866 | 1564.148 | 34.375 | 21.875 |
| 3 | 00:33:50 | 11761.089 | 301.566 | 3533.249 | 2645.557 | 160.938 | 35194.863 | 1573.524 | 21.875 | 32.813 |
| x | | 11753.270 | 313.545 | 3604.622 | 2622.116 | 157.813 | 35043.450 | 1586.547 | 22.917 | 31.250 |
| σ | | 52.823 | 14.518 | 84.111 | 89.079 | 8.268 | 140.380 | 31.031 | 10.975 | 8.700 |
| %RSD | | 0.449 | 4.630 | 2.333 | 3.397 | 5.239 | 0.401 | 1.956 | 47.889 | 27.839 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:31:34 | 67.188 | 28.125 | 51.563 | 148.438 | 50.000 | 50.000 | 156.251 | 25.521 | 30.208 |
| 2 | 00:32:42 | 65.625 | 46.875 | 92.188 | 165.626 | 39.063 | 39.063 | 139.063 | 30.208 | 23.958 |
| 3 | 00:33:50 | 65.625 | 31.250 | 75.000 | 162.501 | 32.813 | 32.813 | 138.022 | 20.833 | 21.354 |
| x | | 66.146 | 35.417 | 72.917 | 158.855 | 40.625 | 40.625 | 144.445 | 25.521 | 25.174 |
| σ | | 0.902 | 10.045 | 20.393 | 9.156 | 8.700 | 8.700 | 10.237 | 4.688 | 4.550 |
| %RSD | | 1.364 | 28.364 | 27.967 | 5.763 | 21.415 | 21.415 | 7.087 | 18.367 | 18.076 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:31:34 | 17.188 | 15.625 | 26.563 | 18.750 | 25.000 | 3.125 | 155676.450 | 110.938 | 14.063 |
| 2 | 00:32:42 | 21.875 | 21.875 | 15.625 | 26.563 | 29.688 | 1.563 | 150006.900 | 107.813 | 6.250 |
| 3 | 00:33:50 | 25.000 | 21.875 | 17.188 | 26.563 | 32.813 | 3.125 | 154960.920 | 98.438 | 4.688 |
| x | | 21.354 | 19.792 | 19.792 | 23.958 | 29.167 | 2.604 | 153548.090 | 105.730 | 8.333 |
| σ | | 3.932 | 3.608 | 5.916 | 4.511 | 3.932 | 0.902 | 3087.558 | 6.505 | 5.023 |
| %RSD | | 18.414 | 18.232 | 29.889 | 18.827 | 13.482 | 34.641 | 2.011 | 6.153 | 60.273 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:31:34 | 4.688 | 4.688 | 3.125 | 0.000 | 53.125 | 7.813 | 257.815 | 443.757 | 414229.050 |
| 2 | 00:32:42 | 0.000 | 0.000 | 3.125 | 0.000 | 50.000 | 9.375 | 262.502 | 428.131 | 408563.090 |
| 3 | 00:33:50 | 0.000 | 0.000 | 3.125 | 1.563 | 71.875 | 4.688 | 245.315 | 528.135 | 414803.170 |
| x | | 1.563 | 1.563 | 3.125 | 0.521 | 58.333 | 7.292 | 255.211 | 466.674 | 412531.770 |
| σ | | 2.706 | 2.706 | 0.000 | 0.902 | 11.831 | 2.387 | 8.885 | 53.797 | 3448.943 |
| %RSD | | 173.205 | 173.205 | 0.000 | 173.205 | 20.282 | 32.733 | 3.481 | 11.528 | 0.836 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:31:34 | 448827.510 | 28.125 | 70.313 | 29.688 | 25.000 | 81.250 | 412704.620 | 2034.520 |
| 2 | 00:32:42 | 440379.990 | 25.000 | 46.875 | 39.063 | 21.875 | 54.688 | 403042.360 | 2068.900 |
| 3 | 00:33:50 | 449581.930 | 23.438 | 53.125 | 26.563 | 29.688 | 60.938 | 413072.850 | 2011.079 |
| x | | 446263.140 | 25.521 | 56.771 | 31.771 | 25.521 | 65.625 | 409606.610 | 2038.166 |
| σ | | 5108.905 | 2.387 | 12.137 | 6.505 | 3.932 | 13.888 | 5687.787 | 29.082 |
| %RSD | | 1.145 | 9.352 | 21.378 | 20.475 | 15.408 | 21.162 | 1.389 | 1.427 |

**C1881-15X25 MF3TB5** 05/02/2011 12:38:26 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:39:35 | 14382.236 | 2.083 | 537.510 | 264.065 | 4024923.800 | 557167.720 | 71464.241 | 86386.970 | 453.132 |
| 2 | 00:40:43 | 14479.209 | 2.604 | 551.573 | 225.002 | 3931394.300 | 544147.360 | 69947.387 | 85319.647 | 492.196 |
| 3 | 00:41:51 | 14743.542 | 0.521 | 554.698 | 259.377 | 3979326.400 | 547868.200 | 71721.777 | 86196.764 | 489.071 |
| x | | 14534.996 | 1.736 | 547.927 | 249.481 | 3978548.200 | 549727.760 | 71044.468 | 85967.794 | 478.133 |
| σ | | 187.001 | 1.084 | 9.156 | 21.329 | 46769.640 | 6706.409 | 958.787 | 569.311 | 21.708 |
| %RSD | | 1.287 | 62.450 | 1.671 | 8.549 | 1.176 | 1.220 | 1.350 | 0.662 | 4.540 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:39:35 | 68991.191 | 898.466 | 22796.299 | 88881.892 | 163755.080 | 4635.127 | 77616.530 | 53227.100 | 35.938 |
| 2 | 00:40:43 | 69989.781 | 879.715 | 23010.705 | 89095.718 | 161841.260 | 4633.564 | 77049.410 | 54676.308 | 25.000 |
| 3 | 00:41:51 | 71148.609 | 879.715 | 22815.079 | 89098.862 | 162863.720 | 4589.800 | 77316.472 | 54662.191 | 25.000 |
| x | | 70043.194 | 885.965 | 22874.028 | 89025.491 | 162820.020 | 4619.497 | 77327.471 | 54188.533 | 28.646 |
| σ | | 1079.700 | 10.826 | 118.738 | 124.370 | 957.654 | 25.730 | 283.720 | 832.655 | 6.315 |
| %RSD | | 1.541 | 1.222 | 0.519 | 0.140 | 0.588 | 0.557 | 0.367 | 1.537 | 22.044 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:39:35 | 13065.347 | 457.820 | 3373.836 | 2654.934 | 192.189 | 35136.908 | 1476.639 | 20.313 | 42.188 |
| 2 | 00:40:43 | 13148.235 | 425.006 | 3344.141 | 2614.302 | 148.438 | 35234.022 | 1439.135 | 20.313 | 28.125 |
| 3 | 00:41:51 | 12819.812 | 476.570 | 3447.291 | 2523.660 | 178.126 | 35072.688 | 1492.265 | 21.875 | 25.000 |
| x | | 13011.131 | 453.132 | 3388.423 | 2597.632 | 172.918 | 35147.873 | 1469.346 | 20.833 | 31.771 |
| σ | | 170.792 | 26.100 | 53.099 | 67.206 | 22.335 | 81.224 | 27.306 | 0.902 | 9.155 |
| %RSD | | 1.313 | 5.760 | 1.567 | 2.587 | 12.917 | 0.231 | 1.858 | 4.330 | 28.817 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:39:35 | 326.566 | 165.626 | 100.000 | 202.085 | 53.125 | 53.125 | 130.730 | 21.354 | 23.958 |
| 2 | 00:40:43 | 301.566 | 132.813 | 96.875 | 188.543 | 26.563 | 26.563 | 155.209 | 23.438 | 23.438 |
| 3 | 00:41:51 | 328.129 | 134.376 | 90.625 | 190.626 | 48.438 | 48.438 | 134.376 | 17.188 | 23.438 |
| x | | 318.754 | 144.272 | 95.834 | 193.751 | 42.708 | 42.708 | 140.105 | 20.660 | 23.611 |
| σ | | 14.906 | 18.510 | 4.774 | 7.292 | 14.178 | 14.178 | 13.207 | 3.182 | 0.301 |
| %RSD | | 4.676 | 12.830 | 4.981 | 3.763 | 33.197 | 33.197 | 9.427 | 15.404 | 1.274 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:39:35 | 42.188 | 57.813 | 60.938 | 29.688 | 109.375 | 4.688 | 147232.950 | 87.500 | 6.250 |
| 2 | 00:40:43 | 37.500 | 56.250 | 51.563 | 46.875 | 85.938 | 0.000 | 152855.610 | 110.938 | 3.125 |
| 3 | 00:41:51 | 39.063 | 78.125 | 64.063 | 67.188 | 100.000 | 4.688 | 152380.250 | 103.125 | 0.000 |
| x | | 39.583 | 64.063 | 58.854 | 47.917 | 98.438 | 3.125 | 150822.940 | 100.521 | 3.125 |
| σ | | 2.387 | 12.204 | 6.505 | 18.772 | 11.797 | 2.706 | 3118.092 | 11.934 | 3.125 |
| %RSD | | 6.030 | 19.049 | 11.053 | 39.176 | 11.984 | 86.603 | 2.067 | 11.872 | 100.000 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:39:35 | 1.563 | 1.563 | 4.688 | 4.688 | 53.125 | 14.063 | 307.816 | 443.757 | 396690.100 |
| 2 | 00:40:43 | 0.000 | 0.000 | 1.563 | 0.000 | 54.688 | 9.375 | 276.565 | 457.820 | 412268.870 |
| 3 | 00:41:51 | 3.125 | 3.125 | 4.688 | 1.563 | 57.813 | 10.938 | 292.190 | 509.384 | 412379.810 |
| x | | 1.563 | 1.563 | 3.646 | 2.083 | 55.208 | 11.458 | 292.190 | 470.320 | 407112.930 |
| σ | | 1.563 | 1.563 | 1.804 | 2.387 | 2.387 | 2.387 | 15.625 | 34.553 | 9026.606 |
| %RSD | | 100.000 | 100.000 | 49.487 | 114.564 | 4.323 | 20.830 | 5.348 | 7.347 | 2.217 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:39:35 | 429759.080 | 31.250 | 92.188 | 185.939 | 142.188 | 348.442 | 395056.690 | 2117.344 |
| 2 | 00:40:43 | 445362.170 | 12.500 | 62.500 | 173.439 | 128.126 | 285.940 | 406846.380 | 2276.744 |
| 3 | 00:41:51 | 450447.630 | 25.000 | 60.938 | 162.501 | 139.063 | 323.441 | 412180.430 | 2325.189 |
| x | | 441856.300 | 22.917 | 71.875 | 173.959 | 136.459 | 319.274 | 404694.500 | 2239.759 |
| σ | | 10780.649 | 9.547 | 17.609 | 11.728 | 7.384 | 31.458 | 8762.336 | 108.746 |
| %RSD | | 2.440 | 41.660 | 24.499 | 6.742 | 5.411 | 9.853 | 2.165 | 4.855 |

**CCV** 05/02/2011 12:46:25 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:47:33 | 13187.334 | 23107.215 | 4380.359 | 281.253 | 18344944.000 | 12239938.000 | 1660393.200 | 1979083.600 | 2819407.400 |
| 2 | 00:48:42 | 13095.062 | 22930.889 | 4471.012 | 267.190 | 18039861.000 | 12262923.000 | 1667182.000 | 1970400.700 | 2822789.000 |
| 3 | 00:49:50 | 13468.846 | 23403.008 | 4635.127 | 279.690 | 18390445.000 | 12315733.000 | 1696194.900 | 1986091.900 | 2848980.800 |
| x | | 13250.414 | 23147.037 | 4495.499 | 276.044 | 18258417.000 | 12272865.000 | 1674590.000 | 1978525.400 | 2830392.400 |
| σ | | 194.713 | 238.565 | 129.137 | 7.708 | 190637.370 | 38863.101 | 19015.758 | 7860.495 | 16186.556 |
| %RSD | | 1.469 | 1.031 | 2.873 | 2.792 | 1.044 | 0.317 | 1.136 | 0.397 | 0.572 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:47:33 | 27366.372 | 139739.500 | 14937.493 | 64335.165 | 8289901.900 | 41605.811 | 625453.090 | 48819.211 | 20053.127 |
| 2 | 00:48:42 | 25128.331 | 138789.680 | 14501.106 | 63192.582 | 8187428.100 | 42787.500 | 628312.030 | 49610.994 | 20278.445 |
| 3 | 00:49:50 | 28293.617 | 142871.820 | 14573.054 | 63418.580 | 8284101.200 | 42971.510 | 628217.380 | 48475.857 | 20469.342 |
| x | | 26929.440 | 140467.000 | 14670.551 | 63648.776 | 8253810.400 | 42454.941 | 627327.500 | 48968.688 | 20266.971 |
| σ | | 1627.250 | 2136.094 | 233.961 | 605.076 | 57561.828 | 741.101 | 1623.978 | 582.144 | 208.344 |
| %RSD | | 6.043 | 1.521 | 1.595 | 0.951 | 0.697 | 1.746 | 0.259 | 1.189 | 1.028 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:47:33 | 310886.990 | 297666.080 | 38240.175 | 1112460.300 | 835874.560 | 19240617.000 | 478212.500 | 355553.060 | 77787.770 |
| 2 | 00:48:42 | 309794.890 | 293080.530 | 38577.016 | 1117544.400 | 839422.220 | 19029600.000 | 472468.300 | 352798.510 | 76268.675 |
| 3 | 00:49:50 | 317348.630 | 298567.410 | 39081.510 | 1127383.600 | 845807.830 | 19381814.000 | 484335.540 | 359368.640 | 78042.278 |
| x | | 312676.840 | 296438.000 | 38632.900 | 1119129.500 | 840368.200 | 19217344.000 | 478338.780 | 355906.740 | 77366.241 |
| σ | | 4082.575 | 2942.377 | 423.442 | 7586.857 | 5033.747 | 177256.590 | 5934.628 | 3299.313 | 959.001 |
| %RSD | | 1.306 | 0.993 | 1.096 | 0.678 | 0.599 | 0.922 | 1.241 | 0.927 | 1.240 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:47:33 | 389443.180 | 188182.900 | 143918.180 | 56431.028 | 3684.850 | 3684.850 | 12058.733 | 5081.633 | 17.188 |
| 2 | 00:48:42 | 388022.480 | 187685.800 | 142791.330 | 55878.341 | 3684.850 | 3684.850 | 11973.245 | 5138.945 | 20.833 |
| 3 | 00:49:50 | 397102.890 | 190633.830 | 142971.240 | 56933.014 | 3784.876 | 3784.876 | 12095.744 | 5206.157 | 13.021 |
| x | | 391522.850 | 188834.180 | 143226.920 | 56414.128 | 3718.192 | 3718.192 | 12042.574 | 5142.245 | 17.014 |
| σ | | 4884.388 | 1578.238 | 605.371 | 527.539 | 57.750 | 57.750 | 62.828 | 62.328 | 3.909 |
| %RSD | | 1.248 | 0.836 | 0.423 | 0.935 | 1.553 | 1.553 | 0.522 | 1.212 | 22.976 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:47:33 | 79743.823 | 121152.180 | 132251.530 | 76794.920 | 198947.600 | 1.563 | 134626.690 | 7975.663 | 373605.080 |
| 2 | 00:48:42 | 79069.780 | 119504.010 | 130912.720 | 74881.679 | 197670.680 | 3.125 | 136836.600 | 7899.058 | 372820.930 |
| 3 | 00:49:50 | 79897.805 | 122672.890 | 131773.710 | 76018.911 | 199186.840 | 0.000 | 134423.220 | 8056.959 | 377536.110 |
| x | | 79570.469 | 121109.690 | 131645.990 | 75898.503 | 198601.710 | 1.563 | 135295.500 | 7977.227 | 374654.040 |
| σ | | 440.392 | 1584.866 | 678.481 | 962.287 | 815.115 | 1.563 | 1338.500 | 78.962 | 2526.555 |
| %RSD | | 0.553 | 1.309 | 0.515 | 1.268 | 0.410 | 100.000 | 0.989 | 0.990 | 0.674 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:47:33 | 6116.934 | 6116.934 | 367785.070 | 94477.002 | 254356.930 | 361465.880 | 331780.390 | 588594.840 | 379863.800 |
| 2 | 00:48:42 | 6049.718 | 6049.718 | 363505.740 | 91635.143 | 252644.120 | 361509.150 | 329980.030 | 583429.950 | 382968.500 |
| 3 | 00:49:50 | 6274.815 | 6274.815 | 363489.710 | 92853.912 | 255470.280 | 365451.320 | 334458.960 | 588676.220 | 382049.050 |
| x | | 6147.156 | 6147.156 | 364926.840 | 92988.686 | 254157.110 | 362808.780 | 332073.120 | 586900.340 | 381627.120 |
| σ | | 115.552 | 115.552 | 2475.316 | 1425.715 | 1423.637 | 2288.604 | 2253.770 | 3005.723 | 1594.777 |
| %RSD | | 1.880 | 1.880 | 0.678 | 1.533 | 0.560 | 0.631 | 0.679 | 0.512 | 0.418 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:47:33 | 413831.850 | 776311.700 | 1870196.500 | 622274.970 | 587397.020 | 1379014.600 | 370350.080 | 3726895.300 |
| 2 | 00:48:42 | 417284.830 | 763786.320 | 1845079.600 | 618099.430 | 587772.960 | 1373440.600 | 373327.660 | 3646572.100 |
| 3 | 00:49:50 | 417326.650 | 779777.390 | 1870304.700 | 621989.490 | 587068.290 | 1392882.100 | 371523.720 | 3680985.300 |
| x | | 416147.780 | 773291.800 | 1861860.300 | 620787.960 | 587412.760 | 1381779.100 | 371733.820 | 3684817.600 |
| σ | | 2005.762 | 8412.394 | 14532.531 | 2332.709 | 352.598 | 10011.227 | 1499.866 | 40298.511 |
| %RSD | | 0.482 | 1.088 | 0.781 | 0.376 | 0.060 | 0.725 | 0.403 | 1.094 |

**CCB** 05/02/2011 12:54:23 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:55:31 | 13656.524 | 27.083 | 148.438 | 210.939 | 141443.650 | 15165.858 | 2100.154 | 2490.842 | 3430.099 |
| 2 | 00:56:39 | 13654.960 | 20.833 | 139.063 | 204.689 | 131131.910 | 11562.490 | 1559.460 | 1876.686 | 2637.744 |
| 3 | 00:57:48 | 13967.763 | 14.583 | 109.375 | 245.315 | 120280.800 | 5923.103 | 765.646 | 993.785 | 1431.322 |
| x | | 13759.749 | 20.833 | 132.292 | 220.314 | 130952.120 | 10883.817 | 1475.087 | 1787.104 | 2499.722 |
| σ | | 180.147 | 6.250 | 20.393 | 21.875 | 10582.568 | 4658.603 | 671.243 | 752.538 | 1006.512 |
| %RSD | | 1.309 | 30.000 | 15.415 | 9.929 | 8.081 | 42.803 | 45.505 | 42.109 | 40.265 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:55:31 | 540.635 | 1010.973 | 14299.340 | 64131.126 | 89619.290 | 45.313 | 1050.039 | 51127.264 | 42.188 |
| 2 | 00:56:39 | 484.383 | 1003.160 | 14643.439 | 64046.372 | 83974.210 | 43.750 | 845.338 | 50920.277 | 45.313 |
| 3 | 00:57:48 | 456.257 | 960.970 | 14928.108 | 63409.164 | 80036.076 | 20.313 | 571.886 | 50013.958 | 35.938 |
| x | | 493.759 | 991.701 | 14623.629 | 63862.220 | 84543.192 | 36.458 | 822.421 | 50687.166 | 41.146 |
| σ | | 42.963 | 26.899 | 314.852 | 394.640 | 4816.877 | 14.005 | 239.898 | 592.130 | 4.774 |
| %RSD | | 8.701 | 2.712 | 2.153 | 0.618 | 5.698 | 38.412 | 29.170 | 1.168 | 11.601 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:55:31 | 7794.313 | 584.387 | 2475.214 | 3586.388 | 1137.545 | 47463.090 | 1512.580 | 403.131 | 98.438 |
| 2 | 00:56:39 | 7508.223 | 476.570 | 2495.530 | 3275.375 | 853.150 | 43639.992 | 1473.514 | 318.754 | 100.000 |
| 3 | 00:57:48 | 7045.487 | 326.566 | 2423.643 | 2787.772 | 470.320 | 35829.249 | 1270.369 | 178.126 | 51.563 |
| x | | 7449.341 | 462.508 | 2464.796 | 3216.512 | 820.339 | 42310.777 | 1418.821 | 300.003 | 83.334 |
| σ | | 377.870 | 129.484 | 37.059 | 402.549 | 334.821 | 5929.728 | 130.039 | 113.668 | 27.526 |
| %RSD | | 5.073 | 27.996 | 1.504 | 12.515 | 40.815 | 14.015 | 9.165 | 37.889 | 33.031 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:55:31 | 528.135 | 246.877 | 237.502 | 131.771 | 25.000 | 25.000 | 140.626 | 22.396 | 20.833 |
| 2 | 00:56:39 | 435.944 | 184.376 | 206.251 | 108.334 | 23.438 | 23.438 | 134.376 | 22.396 | 23.438 |
| 3 | 00:57:48 | 225.002 | 96.875 | 117.188 | 90.104 | 10.938 | 10.938 | 128.646 | 19.271 | 18.229 |
| x | | 396.360 | 176.043 | 186.980 | 110.070 | 19.792 | 19.792 | 134.549 | 21.354 | 20.833 |
| σ | | 155.395 | 75.347 | 62.429 | 20.888 | 7.708 | 7.708 | 5.992 | 1.804 | 2.604 |
| %RSD | | 39.205 | 42.801 | 33.388 | 18.977 | 38.944 | 38.944 | 4.453 | 8.449 | 12.500 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:55:31 | 203.126 | 323.441 | 362.505 | 178.126 | 518.759 | 0.000 | 142007.010 | 95.313 | 500.009 |
| 2 | 00:56:39 | 143.751 | 195.314 | 271.878 | 178.126 | 403.131 | 0.000 | 141819.220 | 98.438 | 348.442 |
| 3 | 00:57:48 | 106.250 | 159.376 | 173.439 | 112.500 | 278.128 | 3.125 | 141151.720 | 106.250 | 112.500 |
| x | | 151.043 | 226.044 | 269.274 | 156.251 | 400.006 | 1.042 | 141659.310 | 100.000 | 320.317 |
| σ | | 48.848 | 86.241 | 94.560 | 37.889 | 120.346 | 1.804 | 449.507 | 5.634 | 195.279 |
| %RSD | | 32.341 | 38.153 | 35.117 | 24.249 | 30.086 | 173.205 | 0.317 | 5.634 | 60.964 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:55:31 | 6.250 | 6.250 | 523.447 | 128.126 | 473.445 | 704.705 | 359.380 | 779.709 | 382369.970 |
| 2 | 00:56:39 | 3.125 | 3.125 | 332.816 | 73.438 | 367.192 | 571.886 | 300.003 | 471.883 | 386858.740 |
| 3 | 00:57:48 | 0.000 | 0.000 | 106.250 | 28.125 | 250.002 | 359.380 | 128.126 | 234.377 | 384237.850 |
| x | | 3.125 | 3.125 | 320.838 | 76.563 | 363.547 | 545.324 | 262.503 | 495.323 | 384488.850 |
| σ | | 3.125 | 3.125 | 208.856 | 50.073 | 111.766 | 174.188 | 120.101 | 273.421 | 2254.885 |
| %RSD | | 100.000 | 100.000 | 65.097 | 65.402 | 30.743 | 31.942 | 45.752 | 55.200 | 0.586 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:55:31 | 418489.630 | 1171.923 | 2892.480 | 764.083 | 704.705 | 1714.165 | 386622.790 | 3900.532 |
| 2 | 00:56:39 | 422194.720 | 725.018 | 1753.233 | 573.449 | 537.510 | 1234.428 | 387581.050 | 2978.436 |
| 3 | 00:57:48 | 419141.130 | 312.503 | 781.271 | 251.565 | 254.690 | 590.637 | 385314.710 | 1409.445 |
| x | | 419941.830 | 736.482 | 1808.995 | 529.699 | 498.968 | 1179.744 | 386506.180 | 2762.804 |
| σ | | 1978.073 | 429.824 | 1056.709 | 259.045 | 227.470 | 563.757 | 1137.659 | 1259.465 |
| %RSD | | 0.471 | 58.362 | 58.414 | 48.904 | 45.588 | 47.786 | 0.294 | 45.586 |

**C1881-16 MF3TB6** 05/02/2011 01:02:22 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:03:30 | 14227.394 | 9.896 | 12650.912 | 379.693 | 127140410.000 | 17055190.000 | 2333787.400 | 2765340.500 | 1925.130 |
| 2 | 01:04:38 | 13862.973 | 10.417 | 12482.013 | 364.067 | 126345670.000 | 17163230.000 | 2315856.900 | 2752944.100 | 1686.037 |
| 3 | 01:05:47 | 14053.784 | 12.500 | 13246.764 | 367.192 | 130301210.000 | 17569933.000 | 2380888.400 | 2817610.000 | 1489.140 |
| x | | 14048.050 | 10.938 | 12793.230 | 370.317 | 127929090.000 | 17262784.000 | 2343510.900 | 2778631.500 | 1700.102 |
| σ | | 182.278 | 1.378 | 401.748 | 8.268 | 2092388.700 | 271428.380 | 33588.452 | 34320.638 | 218.335 |
| %RSD | | 1.298 | 12.599 | 3.140 | 2.233 | 1.636 | 1.572 | 1.433 | 1.235 | 12.842 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:03:30 | 1382519.300 | 829.712 | 235485.950 | 530822.790 | 2052807.100 | 172965.800 | 2989224.200 | 49487.128 | 92.188 |
| 2 | 01:04:38 | 1400256.500 | 803.148 | 236346.870 | 541714.160 | 2048899.600 | 173626.870 | 3010470.900 | 50423.206 | 128.126 |
| 3 | 01:05:47 | 1425339.600 | 823.461 | 239482.820 | 554662.720 | 2074499.100 | 176475.520 | 3032700.300 | 51243.304 | 128.126 |
| x | | 1402705.100 | 818.773 | 237105.210 | 542399.890 | 2058735.300 | 174356.060 | 3010798.500 | 50384.546 | 116.146 |
| σ | | 21514.880 | 13.889 | 2103.584 | 11934.748 | 13790.953 | 1865.028 | 21739.891 | 878.726 | 20.749 |
| %RSD | | 1.534 | 1.696 | 0.887 | 2.200 | 0.670 | 1.070 | 0.722 | 1.744 | 17.864 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:03:30 | 97703.281 | 1123.482 | 17798.581 | 3084.708 | 1017.224 | 49165.709 | 15941.702 | 506.259 | 437.507 |
| 2 | 01:04:38 | 98645.662 | 1125.044 | 18541.713 | 2936.239 | 910.967 | 48082.343 | 16148.184 | 451.570 | 423.444 |
| 3 | 01:05:47 | 102653.440 | 1187.549 | 19574.339 | 3247.244 | 862.526 | 47224.803 | 16148.184 | 403.131 | 439.069 |
| x | | 99667.460 | 1145.358 | 18638.211 | 3089.397 | 930.239 | 48157.618 | 16079.357 | 453.653 | 433.340 |
| σ | | 2628.510 | 36.547 | 891.803 | 155.555 | 79.129 | 972.640 | 119.212 | 51.596 | 8.606 |
| %RSD | | 2.637 | 3.191 | 4.785 | 5.035 | 8.506 | 2.020 | 0.741 | 11.373 | 1.986 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:03:30 | 1646.970 | 815.648 | 1048.476 | 1852.724 | 268.753 | 268.753 | 363.025 | 192.710 | 19.792 |
| 2 | 01:04:38 | 1464.138 | 856.276 | 943.781 | 1893.876 | 303.128 | 303.128 | 350.525 | 206.251 | 19.271 |
| 3 | 01:05:47 | 1589.151 | 759.395 | 931.280 | 1933.464 | 335.941 | 335.941 | 354.171 | 202.606 | 19.271 |
| x | | 1566.753 | 810.440 | 974.513 | 1893.355 | 302.607 | 302.607 | 355.907 | 200.522 | 19.444 |
| σ | | 93.451 | 48.650 | 64.358 | 40.372 | 33.597 | 33.597 | 6.428 | 7.007 | 0.301 |
| %RSD | | 5.965 | 6.003 | 6.604 | 2.132 | 11.103 | 11.103 | 1.806 | 3.494 | 1.546 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:03:30 | 1819.657 | 568.761 | 684.391 | 410.943 | 934.406 | 4.688 | 127024.740 | 81.250 | 139.063 |
| 2 | 01:04:38 | 1657.062 | 620.326 | 617.201 | 350.004 | 959.407 | 3.125 | 129637.110 | 110.938 | 92.188 |
| 3 | 01:05:47 | 1695.943 | 562.511 | 568.761 | 384.380 | 967.220 | 1.563 | 131653.860 | 93.750 | 68.750 |
| x | | 1724.221 | 583.866 | 623.451 | 381.776 | 953.678 | 3.125 | 129438.570 | 95.313 | 100.000 |
| σ | | 84.906 | 31.729 | 58.068 | 30.553 | 17.141 | 1.563 | 2320.942 | 14.905 | 35.802 |
| %RSD | | 4.924 | 5.434 | 9.314 | 8.003 | 1.797 | 50.000 | 1.793 | 15.638 | 35.802 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:03:30 | 6.250 | 6.250 | 110.938 | 37.500 | 285.940 | 351.567 | 6482.721 | 11826.769 | 368947.290 |
| 2 | 01:04:38 | 6.250 | 6.250 | 439.069 | 28.125 | 210.939 | 256.252 | 6512.422 | 11720.431 | 379315.130 |
| 3 | 01:05:47 | 3.125 | 3.125 | 68.750 | 29.688 | 212.502 | 223.439 | 6549.939 | 11684.464 | 385884.470 |
| x | | 5.208 | 5.208 | 206.252 | 31.771 | 236.460 | 277.086 | 6515.027 | 11743.888 | 378048.960 |
| σ | | 1.804 | 1.804 | 202.726 | 5.023 | 42.858 | 66.556 | 33.685 | 73.995 | 8539.290 |
| %RSD | | 34.641 | 34.641 | 98.290 | 15.809 | 18.125 | 24.020 | 0.517 | 0.630 | 2.259 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:03:30 | 399965.490 | 460.945 | 1023.474 | 598.450 | 517.197 | 1276.620 | 351415.040 | 77203.363 |
| 2 | 01:04:38 | 412891.140 | 268.753 | 679.704 | 539.073 | 450.007 | 1010.973 | 360033.510 | 77237.924 |
| 3 | 01:05:47 | 420936.520 | 229.689 | 487.508 | 431.257 | 368.755 | 926.593 | 369025.840 | 77278.769 |
| x | | 411264.390 | 319.796 | 730.229 | 522.926 | 445.320 | 1071.395 | 360158.130 | 77240.019 |
| σ | | 10579.739 | 123.789 | 271.532 | 84.758 | 74.332 | 182.669 | 8806.063 | 37.747 |
| %RSD | | 2.572 | 38.709 | 37.184 | 16.208 | 16.692 | 17.050 | 2.445 | 0.049 |

**C1881-17 MF3TB7** 05/02/2011 01:10:21 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:11:29 | 13762.876 | 4.688 | 11793.929 | 389.068 | 104057000.000 | 14967139.000 | 2031822.500 | 2400411.600 | 1110.981 |
| 2 | 01:12:37 | 13692.496 | 4.688 | 11635.987 | 415.631 | 100929100.000 | 14530441.000 | 1956984.900 | 2338177.200 | 1003.160 |
| 3 | 01:13:45 | 14300.904 | 8.854 | 11682.900 | 401.568 | 101697170.000 | 14520798.000 | 1950766.900 | 2350339.500 | 1001.598 |
| x | | 13918.759 | 6.076 | 11704.272 | 402.089 | 102227760.000 | 14672793.000 | 1979858.100 | 2362976.100 | 1038.580 |
| σ | | 332.813 | 2.406 | 81.111 | 13.289 | 1630055.400 | 254957.010 | 45109.775 | 32985.488 | 62.706 |
| %RSD | | 2.391 | 39.590 | 0.693 | 3.305 | 1.595 | 1.738 | 2.278 | 1.396 | 6.038 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:11:29 | 1757594.900 | 850.025 | 224846.260 | 535696.630 | 2289407.800 | 121850.270 | 2122642.000 | 48910.147 | 140.626 |
| 2 | 01:12:37 | 1697245.100 | 829.712 | 216209.780 | 534506.390 | 2233758.500 | 119789.200 | 2070318.700 | 50518.855 | 100.000 |
| 3 | 01:13:45 | 1722781.100 | 826.586 | 218061.040 | 536358.270 | 2230022.700 | 120241.410 | 2066191.300 | 50837.169 | 121.876 |
| x | | 1725873.700 | 835.441 | 219705.700 | 535520.430 | 2251063.000 | 120626.960 | 2086384.000 | 50088.724 | 120.834 |
| σ | | 30293.534 | 12.727 | 4547.072 | 938.429 | 33260.038 | 1083.277 | 31468.096 | 1033.012 | 20.333 |
| %RSD | | 1.755 | 1.523 | 2.070 | 0.175 | 1.478 | 0.898 | 1.508 | 2.062 | 16.827 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:11:29 | 120914.240 | 11406.114 | 21708.669 | 3215.987 | 675.016 | 43765.374 | 11121.515 | 1442.260 | 440.632 |
| 2 | 01:12:37 | 122753.260 | 11115.260 | 22420.705 | 3231.616 | 612.513 | 44224.598 | 11124.642 | 1457.887 | 426.569 |
| 3 | 01:13:45 | 123481.370 | 11215.338 | 22963.754 | 3198.796 | 620.326 | 44102.346 | 11546.852 | 1418.821 | 440.632 |
| x | | 122382.960 | 11245.571 | 22364.376 | 3215.466 | 635.952 | 44030.773 | 11264.336 | 1439.656 | 435.944 |
| σ | | 1323.021 | 147.765 | 629.436 | 16.416 | 34.055 | 237.831 | 244.671 | 19.663 | 8.119 |
| %RSD | | 1.081 | 1.314 | 2.814 | 0.511 | 5.355 | 0.540 | 2.172 | 1.366 | 1.862 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:11:29 | 743.769 | 356.254 | 2567.418 | 2167.352 | 303.128 | 303.128 | 293.753 | 121.355 | 19.271 |
| 2 | 01:12:37 | 700.017 | 354.692 | 2612.739 | 2109.531 | 292.190 | 292.190 | 301.045 | 115.625 | 15.104 |
| 3 | 01:13:45 | 643.765 | 315.628 | 2576.795 | 2103.280 | 259.377 | 259.377 | 258.336 | 108.334 | 18.750 |
| x | | 695.850 | 342.192 | 2585.651 | 2126.721 | 284.899 | 284.899 | 284.378 | 115.105 | 17.708 |
| σ | | 50.132 | 23.018 | 23.923 | 35.326 | 22.769 | 22.769 | 22.846 | 6.526 | 2.270 |
| %RSD | | 7.204 | 6.727 | 0.925 | 1.661 | 7.992 | 7.992 | 8.034 | 5.670 | 12.820 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:11:29 | 2109.502 | 234.377 | 251.565 | 146.876 | 329.691 | 1.563 | 125183.590 | 78.125 | 67.188 |
| 2 | 01:12:37 | 1936.302 | 218.752 | 256.252 | 162.501 | 340.629 | 1.563 | 128378.950 | 107.813 | 39.063 |
| 3 | 01:13:45 | 1727.755 | 245.315 | 221.877 | 159.376 | 364.067 | 6.250 | 130256.770 | 84.375 | 48.438 |
| x | | 1924.520 | 232.814 | 243.231 | 156.251 | 344.796 | 3.125 | 127939.770 | 90.104 | 51.563 |
| σ | | 191.146 | 13.350 | 18.641 | 8.268 | 17.563 | 2.706 | 2564.945 | 15.651 | 14.321 |
| %RSD | | 9.932 | 5.734 | 7.664 | 5.292 | 5.094 | 86.603 | 2.005 | 17.370 | 27.773 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:11:29 | 7.813 | 7.813 | 62.500 | 15.625 | 87.500 | 145.313 | 7029.854 | 12505.471 | 371001.020 |
| 2 | 01:12:37 | 0.000 | 0.000 | 32.813 | 17.188 | 75.000 | 146.876 | 6965.760 | 12361.596 | 379546.150 |
| 3 | 01:13:45 | 3.125 | 3.125 | 23.438 | 3.125 | 64.063 | 150.001 | 6906.357 | 11887.757 | 387574.630 |
| x | | 3.646 | 3.646 | 39.583 | 11.979 | 75.521 | 147.397 | 6967.324 | 12251.608 | 379373.930 |
| σ | | 3.932 | 3.932 | 20.393 | 7.708 | 11.727 | 2.387 | 61.764 | 323.212 | 8288.146 |
| %RSD | | 107.855 | 107.855 | 51.518 | 64.342 | 15.529 | 1.619 | 0.886 | 2.638 | 2.185 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:11:29 | 400662.750 | 179.689 | 351.567 | 576.574 | 426.569 | 1135.983 | 353291.730 | 71528.625 |
| 2 | 01:12:37 | 416530.470 | 129.688 | 243.752 | 437.507 | 426.569 | 1100.042 | 366685.470 | 70610.009 |
| 3 | 01:13:45 | 424273.720 | 98.438 | 220.314 | 500.009 | 428.131 | 1015.661 | 370840.690 | 70247.290 |
| x | | 413822.320 | 135.938 | 271.878 | 504.697 | 427.090 | 1083.895 | 363605.960 | 70795.308 |
| σ | | 12036.202 | 40.984 | 70.001 | 69.652 | 0.902 | 61.765 | 9170.823 | 660.459 |
| %RSD | | 2.909 | 30.149 | 25.747 | 13.801 | 0.211 | 5.698 | 2.522 | 0.933 |

**C1881-18 MF3TD9** 05/02/2011 01:18:19 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:19:27 | 13880.177 | 3.125 | 11207.520 | 342.192 | 100763020.000 | 10827499.000 | 1463356.000 | 1731019.700 | 742.207 |
| 2 | 01:20:36 | 13633.065 | 2.083 | 11384.222 | 393.755 | 99297098.000 | 10639022.000 | 1439450.300 | 1723579.800 | 754.707 |
| 3 | 01:21:44 | 13385.956 | 3.646 | 11069.912 | 371.880 | 98644017.000 | 10598796.000 | 1423588.900 | 1697710.300 | 704.705 |
| x | | 13633.066 | 2.951 | 11220.551 | 369.276 | 99568044.000 | 10688439.000 | 1442131.700 | 1717436.600 | 733.873 |
| σ | | 247.111 | 0.796 | 157.559 | 25.880 | 1085172.400 | 122097.530 | 20018.662 | 17483.794 | 26.022 |
| %RSD | | 1.813 | 26.956 | 1.404 | 7.008 | 1.090 | 1.142 | 1.388 | 1.018 | 3.546 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:19:27 | 1429349.600 | 748.457 | 220023.600 | 538064.420 | 2025398.800 | 124089.730 | 2152669.500 | 50521.991 | 107.813 |
| 2 | 01:20:36 | 1420039.300 | 723.456 | 217112.380 | 539673.440 | 2011577.900 | 122929.770 | 2155522.200 | 49007.354 | 123.438 |
| 3 | 01:21:44 | 1394865.400 | 714.080 | 214311.180 | 544634.610 | 2008100.900 | 121750.990 | 2126379.200 | 48692.216 | 89.063 |
| x | | 1414751.400 | 728.664 | 217149.050 | 540790.820 | 2015025.900 | 122923.500 | 2144857.000 | 49407.187 | 106.771 |
| σ | | 17839.846 | 17.770 | 2856.387 | 3424.659 | 9149.900 | 1169.385 | 16065.661 | 978.222 | 17.211 |
| %RSD | | 1.261 | 2.439 | 1.315 | 0.633 | 0.454 | 0.951 | 0.749 | 1.980 | 16.120 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:19:27 | 103489.120 | 985.972 | 20894.957 | 2776.832 | 846.900 | 43743.432 | 13049.708 | 412.506 | 365.630 |
| 2 | 01:20:36 | 105872.110 | 1035.975 | 21998.174 | 2859.661 | 843.775 | 42917.495 | 12316.244 | 418.756 | 378.130 |
| 3 | 01:21:44 | 105879.980 | 948.469 | 22481.739 | 2922.174 | 854.713 | 42524.134 | 11631.296 | 328.129 | 367.192 |
| x | | 105080.410 | 990.139 | 21791.623 | 2852.889 | 848.463 | 43061.687 | 12332.416 | 386.464 | 370.317 |
| σ | | 1378.098 | 43.902 | 813.306 | 72.907 | 5.634 | 622.307 | 709.344 | 50.616 | 6.811 |
| %RSD | | 1.311 | 4.434 | 3.732 | 2.556 | 0.664 | 1.445 | 5.752 | 13.097 | 1.839 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:19:27 | 803.148 | 404.693 | 723.456 | 2132.972 | 381.255 | 381.255 | 492.717 | 207.293 | 19.271 |
| 2 | 01:20:36 | 723.456 | 332.816 | 646.890 | 2140.785 | 367.192 | 367.192 | 485.425 | 206.251 | 23.438 |
| 3 | 01:21:44 | 759.395 | 417.194 | 695.329 | 2157.455 | 356.254 | 356.254 | 473.445 | 207.293 | 20.833 |
| x | | 762.000 | 384.901 | 688.558 | 2143.737 | 368.234 | 368.234 | 483.862 | 206.946 | 21.181 |
| σ | | 39.910 | 45.538 | 38.730 | 12.505 | 12.533 | 12.533 | 9.730 | 0.601 | 2.105 |
| %RSD | | 5.237 | 11.831 | 5.625 | 0.583 | 3.403 | 3.403 | 2.011 | 0.291 | 9.938 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:19:27 | 440.632 | 607.825 | 720.331 | 415.631 | 1029.725 | 4.688 | 128747.870 | 85.938 | 67.188 |
| 2 | 01:20:36 | 376.567 | 650.015 | 726.581 | 375.005 | 1043.788 | 1.563 | 128041.560 | 92.188 | 57.813 |
| 3 | 01:21:44 | 387.505 | 629.701 | 690.642 | 468.758 | 1046.913 | 4.688 | 125405.840 | 107.813 | 40.625 |
| x | | 401.568 | 629.181 | 712.518 | 419.798 | 1040.142 | 3.646 | 127398.420 | 95.313 | 55.208 |
| σ | | 34.269 | 21.100 | 19.201 | 47.015 | 9.156 | 1.804 | 1761.396 | 11.267 | 13.471 |
| %RSD | | 8.534 | 3.353 | 2.695 | 11.199 | 0.880 | 49.487 | 1.383 | 11.822 | 24.401 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:19:27 | 0.000 | 0.000 | 59.375 | 12.500 | 65.625 | 100.000 | 4414.744 | 7583.262 | 376033.180 |
| 2 | 01:20:36 | 1.563 | 1.563 | 32.813 | 6.250 | 89.063 | 85.938 | 4206.869 | 7820.890 | 373844.030 |
| 3 | 01:21:44 | 3.125 | 3.125 | 40.625 | 7.813 | 79.688 | 96.875 | 4225.625 | 7711.456 | 366278.350 |
| x | | 1.563 | 1.563 | 44.271 | 8.854 | 78.125 | 94.271 | 4282.413 | 7705.203 | 372051.850 |
| σ | | 1.563 | 1.563 | 13.651 | 3.253 | 11.797 | 7.384 | 114.986 | 118.937 | 5118.410 |
| %RSD | | 100.000 | 100.000 | 30.836 | 36.735 | 15.100 | 7.833 | 2.685 | 1.544 | 1.376 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:19:27 | 405057.550 | 57.813 | 176.564 | 270.315 | 220.314 | 589.075 | 356586.150 | 52181.064 |
| 2 | 01:20:36 | 408511.650 | 64.063 | 164.063 | 223.439 | 189.064 | 509.384 | 356467.620 | 51386.002 |
| 3 | 01:21:44 | 400110.080 | 37.500 | 110.938 | 220.314 | 206.251 | 451.570 | 347526.310 | 52112.063 |
| x | | 404559.760 | 53.125 | 150.522 | 238.023 | 205.210 | 516.676 | 353526.690 | 51893.043 |
| σ | | 4222.850 | 13.888 | 34.846 | 28.010 | 15.651 | 69.042 | 5196.820 | 440.463 |
| %RSD | | 1.044 | 26.142 | 23.150 | 11.768 | 7.627 | 13.363 | 1.470 | 0.849 |

**C1881-19 MF3TA2** 05/02/2011 01:26:18 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:27:26 | 13298.374 | 4.167 | 10954.198 | 342.192 | 90896951.000 | 12454384.000 | 1682139.200 | 1973357.400 | 571.886 |
| 2 | 01:28:34 | 13093.498 | 3.646 | 11130.897 | 317.191 | 89403470.000 | 12202317.000 | 1653410.600 | 1951282.000 | 518.759 |
| 3 | 01:29:42 | 13009.046 | 1.563 | 11054.275 | 329.691 | 89860782.000 | 12318353.000 | 1656872.200 | 1982003.900 | 487.508 |
| x | | 13133.639 | 3.125 | 11046.457 | 329.691 | 90053734.000 | 12325018.000 | 1664140.700 | 1968881.100 | 526.051 |
| σ | | 148.783 | 1.378 | 88.609 | 12.500 | 765208.480 | 126165.800 | 15683.028 | 15842.573 | 42.659 |
| %RSD | | 1.133 | 44.096 | 0.802 | 3.792 | 0.850 | 1.024 | 0.942 | 0.805 | 8.109 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:27:26 | 1392593.400 | 718.768 | 213123.300 | 514112.390 | 1985359.600 | 119951.490 | 2060020.500 | 49071.636 | 96.875 |
| 2 | 01:28:34 | 1391706.600 | 735.956 | 210835.030 | 514581.970 | 1954963.800 | 118100.220 | 2059303.700 | 48607.554 | 117.188 |
| 3 | 01:29:42 | 1387442.100 | 728.144 | 208585.170 | 512846.200 | 1951408.000 | 117662.250 | 2036981.800 | 48449.205 | 104.688 |
| x | | 1390580.700 | 727.623 | 210847.830 | 513846.850 | 1963910.500 | 118571.320 | 2052102.000 | 48709.465 | 106.250 |
| σ | | 2754.025 | 8.606 | 2269.088 | 897.836 | 18660.389 | 1215.154 | 13099.371 | 323.488 | 10.246 |
| %RSD | | 0.198 | 1.183 | 1.076 | 0.175 | 0.950 | 1.025 | 0.638 | 0.664 | 9.643 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:27:26 | 108411.360 | 19165.973 | 22938.714 | 3375.399 | 435.944 | 42155.857 | 9706.421 | 234.377 | 265.627 |
| 2 | 01:28:34 | 110023.620 | 19535.223 | 23930.965 | 3311.321 | 460.945 | 42298.466 | 10186.443 | 218.752 | 267.190 |
| 3 | 01:29:42 | 111540.000 | 19048.629 | 24455.289 | 3186.293 | 464.070 | 42036.757 | 10108.262 | 198.439 | 226.564 |
| x | | 109991.660 | 19249.942 | 23774.989 | 3291.004 | 453.653 | 42163.693 | 10000.376 | 217.189 | 253.127 |
| σ | | 1564.562 | 253.932 | 770.225 | 96.176 | 15.416 | 131.030 | 257.556 | 18.020 | 23.017 |
| %RSD | | 1.422 | 1.319 | 3.240 | 2.922 | 3.398 | 0.311 | 2.575 | 8.297 | 9.093 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:27:26 | 1276.620 | 709.393 | 2134.535 | 2197.044 | 278.128 | 278.128 | 325.525 | 149.480 | 17.708 |
| 2 | 01:28:34 | 1253.180 | 650.015 | 2126.721 | 2296.539 | 310.941 | 310.941 | 341.671 | 144.272 | 15.104 |
| 3 | 01:29:42 | 1298.497 | 606.263 | 2095.466 | 2288.725 | 362.505 | 362.505 | 340.629 | 147.397 | 21.354 |
| x | | 1276.099 | 655.223 | 2118.907 | 2260.769 | 317.191 | 317.191 | 335.941 | 147.049 | 18.056 |
| σ | | 22.663 | 51.762 | 20.673 | 55.326 | 42.534 | 42.534 | 9.036 | 2.621 | 3.139 |
| %RSD | | 1.776 | 7.900 | 0.976 | 2.447 | 13.410 | 13.410 | 2.690 | 1.783 | 17.388 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:27:26 | 276.565 | 506.259 | 525.010 | 334.379 | 814.086 | 3.125 | 129326.500 | 81.250 | 40.625 |
| 2 | 01:28:34 | 296.878 | 492.196 | 512.509 | 318.754 | 775.021 | 4.688 | 128352.150 | 46.875 | 28.125 |
| 3 | 01:29:42 | 314.066 | 479.696 | 496.884 | 310.941 | 750.020 | 1.563 | 126020.590 | 87.500 | 31.250 |
| x | | 295.836 | 492.717 | 511.467 | 321.358 | 779.709 | 3.125 | 127899.740 | 71.875 | 33.333 |
| σ | | 18.772 | 13.289 | 14.092 | 11.934 | 32.289 | 1.563 | 1698.753 | 21.875 | 6.505 |
| %RSD | | 6.345 | 2.697 | 2.755 | 3.714 | 4.141 | 50.000 | 1.328 | 30.435 | 19.516 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:27:26 | 3.125 | 3.125 | 48.438 | 1.563 | 79.688 | 57.813 | 4170.921 | 7365.961 | 381110.410 |
| 2 | 01:28:34 | 0.000 | 0.000 | 31.250 | 1.563 | 51.563 | 68.750 | 4084.959 | 7498.843 | 374950.590 |
| 3 | 01:29:42 | 1.563 | 1.563 | 35.938 | 1.563 | 56.250 | 65.625 | 4399.115 | 7467.576 | 376523.980 |
| x | | 1.563 | 1.563 | 38.542 | 1.563 | 62.500 | 64.063 | 4218.332 | 7444.127 | 377528.330 |
| σ | | 1.563 | 1.563 | 8.885 | 0.000 | 15.068 | 5.634 | 162.355 | 69.475 | 3200.373 |
| %RSD | | 100.000 | 100.000 | 23.052 | 0.000 | 24.109 | 8.794 | 3.849 | 0.933 | 0.848 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:27:26 | 413556.870 | 60.938 | 123.438 | 662.515 | 582.824 | 1423.508 | 361626.110 | 56461.356 |
| 2 | 01:28:34 | 409046.960 | 31.250 | 98.438 | 695.329 | 557.823 | 1473.514 | 363427.210 | 56456.650 |
| 3 | 01:29:42 | 409738.230 | 23.438 | 71.875 | 665.641 | 556.261 | 1373.504 | 360067.160 | 56840.982 |
| x | | 410780.680 | 38.542 | 97.917 | 674.495 | 565.636 | 1423.509 | 361706.830 | 56586.329 |
| σ | | 2428.961 | 19.785 | 25.785 | 18.111 | 14.906 | 50.005 | 1681.483 | 220.548 |
| %RSD | | 0.591 | 51.334 | 26.334 | 2.685 | 2.635 | 3.513 | 0.465 | 0.390 |

**C1881-20 MF3TC3** 05/02/2011 01:34:18 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:35:26 | 13791.029 | 0.521 | 9609.481 | 404.693 | 100742630.000 | 17508278.000 | 2369467.700 | 2835776.800 | 848.463 |
| 2 | 01:36:34 | 14530.824 | 3.125 | 9514.105 | 385.943 | 100573200.000 | 17571090.000 | 2379310.000 | 2821305.200 | 804.710 |
| 3 | 01:37:42 | 14089.757 | 3.125 | 9661.078 | 445.319 | 102391680.000 | 17771964.000 | 2400394.800 | 2848945.600 | 1658.873 |
| x | | 14137.203 | 2.257 | 9594.888 | 411.985 | 101235840.000 | 17617111.000 | 2383057.500 | 2835342.600 | 1104.015 |
| σ | | 372.173 | 1.504 | 74.566 | 30.353 | 1004566.800 | 137735.500 | 15800.418 | 13825.308 | 481.018 |
| %RSD | | 2.633 | 66.617 | 0.777 | 7.367 | 0.992 | 0.782 | 0.663 | 0.488 | 43.570 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:35:26 | 1211448.800 | 740.644 | 307288.500 | 518099.490 | 2956149.300 | 221323.130 | 3844632.400 | 53041.656 | 98.438 |
| 2 | 01:36:34 | 1215537.700 | 721.893 | 304824.040 | 530816.310 | 2958315.400 | 238036.490 | 3823986.900 | 54017.894 | 109.375 |
| 3 | 01:37:42 | 1210046.500 | 728.144 | 309320.720 | 540416.370 | 2997263.200 | 236834.670 | 3821434.800 | 52951.587 | 100.000 |
| x | | 1212344.300 | 730.227 | 307144.420 | 529777.390 | 2970576.000 | 232064.760 | 3830018.000 | 53337.046 | 102.605 |
| σ | | 2853.040 | 9.548 | 2251.801 | 11194.652 | 23137.138 | 9321.912 | 12720.594 | 591.349 | 5.916 |
| %RSD | | 0.235 | 1.307 | 0.733 | 2.113 | 0.779 | 4.017 | 0.332 | 1.109 | 5.765 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:35:26 | 98532.384 | 14523.003 | 21071.779 | 2920.611 | 515.634 | 41892.585 | 17557.658 | 785.959 | 521.885 |
| 2 | 01:36:34 | 100617.150 | 14860.851 | 21606.953 | 3053.451 | 507.822 | 42267.123 | 17238.520 | 792.209 | 559.386 |
| 3 | 01:37:42 | 102826.550 | 14785.773 | 21985.655 | 2928.425 | 514.072 | 42801.523 | 17765.727 | 843.775 | 570.324 |
| x | | 100658.700 | 14723.209 | 21554.796 | 2967.496 | 512.509 | 42320.410 | 17520.635 | 807.315 | 550.531 |
| σ | | 2147.385 | 177.400 | 459.165 | 74.542 | 4.134 | 456.806 | 265.547 | 31.730 | 25.405 |
| %RSD | | 2.133 | 1.205 | 2.130 | 2.512 | 0.807 | 1.079 | 1.516 | 3.930 | 4.615 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:35:26 | 682.829 | 310.941 | 521.885 | 1941.799 | 400.006 | 400.006 | 527.093 | 226.564 | 16.667 |
| 2 | 01:36:34 | 589.075 | 343.754 | 520.322 | 2023.060 | 387.505 | 387.505 | 517.718 | 260.940 | 22.917 |
| 3 | 01:37:42 | 671.891 | 345.317 | 510.947 | 1956.384 | 367.192 | 367.192 | 541.156 | 263.544 | 20.313 |
| x | | 647.931 | 333.337 | 517.718 | 1973.748 | 384.901 | 384.901 | 528.656 | 250.349 | 19.965 |
| σ | | 51.264 | 19.412 | 5.916 | 43.324 | 16.561 | 16.561 | 11.797 | 20.640 | 3.139 |
| %RSD | | 7.912 | 5.823 | 1.143 | 2.195 | 4.303 | 4.303 | 2.232 | 8.244 | 15.724 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:35:26 | 1285.919 | 351.567 | 365.630 | 215.627 | 481.258 | 1.563 | 120939.450 | 68.750 | 26.563 |
| 2 | 01:36:34 | 1596.972 | 340.629 | 354.692 | 239.065 | 543.760 | 0.000 | 125175.710 | 89.063 | 26.563 |
| 3 | 01:37:42 | 1897.420 | 323.441 | 351.567 | 229.689 | 560.949 | 3.125 | 123041.660 | 103.125 | 23.438 |
| x | | 1593.437 | 338.546 | 357.296 | 228.127 | 528.656 | 1.563 | 123052.280 | 86.979 | 25.521 |
| σ | | 305.766 | 14.178 | 7.384 | 11.797 | 41.938 | 1.563 | 2118.148 | 17.282 | 1.804 |
| %RSD | | 19.189 | 4.188 | 2.067 | 5.171 | 7.933 | 100.000 | 1.721 | 19.869 | 7.070 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:35:26 | 3.125 | 3.125 | 26.563 | 6.250 | 67.188 | 75.000 | 2931.551 | 5213.451 | 359051.440 |
| 2 | 01:36:34 | 0.000 | 0.000 | 25.000 | 1.563 | 37.500 | 62.500 | 3051.889 | 5132.172 | 366940.330 |
| 3 | 01:37:42 | 4.688 | 4.688 | 10.938 | 4.688 | 53.125 | 68.750 | 2997.189 | 5074.339 | 362061.950 |
| x | | 2.604 | 2.604 | 20.833 | 4.167 | 52.604 | 68.750 | 2993.543 | 5139.987 | 362684.570 |
| σ | | 2.387 | 2.387 | 8.606 | 2.387 | 14.851 | 6.250 | 60.252 | 69.885 | 3981.127 |
| %RSD | | 91.652 | 91.652 | 41.307 | 57.282 | 28.231 | 9.091 | 2.013 | 1.360 | 1.098 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:35:26 | 391215.630 | 32.813 | 68.750 | 210.939 | 196.876 | 443.757 | 337553.930 | 124531.050 |
| 2 | 01:36:34 | 396645.120 | 18.750 | 82.813 | 196.876 | 195.314 | 435.944 | 348914.220 | 125722.670 |
| 3 | 01:37:42 | 389534.680 | 31.250 | 85.938 | 190.626 | 187.501 | 479.696 | 338091.420 | 127678.970 |
| x | | 392465.150 | 27.604 | 79.167 | 199.481 | 193.230 | 453.132 | 341519.850 | 125977.560 |
| σ | | 3716.254 | 7.708 | 9.155 | 10.404 | 5.023 | 23.334 | 6409.345 | 1589.363 |
| %RSD | | 0.947 | 27.922 | 11.565 | 5.215 | 2.599 | 5.149 | 1.877 | 1.262 |

**C1881-16X25 MF3TB6** 05/02/2011 01:42:18 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:43:27 | 16002.708 | 1.563 | 960.970 | 246.877 | 6349674.200 | 847695.730 | 111382.530 | 134875.900 | 659.390 |
| 2 | 01:44:35 | 15661.705 | 4.167 | 995.347 | 242.190 | 6355924.100 | 863210.330 | 113026.610 | 135409.030 | 631.264 |
| 3 | 01:45:43 | 16062.150 | 2.604 | 895.341 | 209.377 | 6334021.300 | 855884.130 | 111886.440 | 133175.680 | 635.952 |
| x | | 15908.854 | 2.778 | 950.553 | 232.814 | 6346539.900 | 855596.730 | 112098.530 | 134486.870 | 642.202 |
| σ | | 216.091 | 1.311 | 50.811 | 20.433 | 11282.754 | 7761.293 | 842.313 | 1166.391 | 15.069 |
| %RSD | | 1.358 | 47.186 | 5.345 | 8.776 | 0.178 | 0.907 | 0.751 | 0.867 | 2.346 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:43:27 | 68196.765 | 840.650 | 25929.761 | 102296.200 | 177486.370 | 8358.695 | 137508.630 | 59679.083 | 10.938 |
| 2 | 01:44:35 | 66943.986 | 900.028 | 25676.179 | 100659.640 | 177518.010 | 8457.190 | 138781.790 | 59086.001 | 17.188 |
| 3 | 01:45:43 | 66884.332 | 828.149 | 25856.190 | 100285.140 | 177233.250 | 8230.495 | 138922.210 | 58809.865 | 25.000 |
| x | | 67341.694 | 856.276 | 25820.710 | 101080.330 | 177412.540 | 8348.793 | 138404.210 | 59191.650 | 17.708 |
| σ | | 741.114 | 38.403 | 130.461 | 1069.497 | 156.072 | 113.671 | 778.766 | 444.136 | 7.046 |
| %RSD | | 1.101 | 4.485 | 0.505 | 1.058 | 0.088 | 1.362 | 0.563 | 0.750 | 39.788 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:43:27 | 18925.027 | 379.693 | 5691.759 | 2945.616 | 167.188 | 37995.774 | 1862.621 | 28.125 | 34.375 |
| 2 | 01:44:35 | 18379.002 | 378.130 | 5530.758 | 3055.014 | 200.001 | 37843.809 | 1945.445 | 23.438 | 54.688 |
| 3 | 01:45:43 | 18285.132 | 331.254 | 5271.285 | 2969.059 | 229.689 | 38503.381 | 1973.574 | 20.313 | 39.063 |
| x | | 18529.721 | 363.025 | 5497.934 | 2989.896 | 198.960 | 38114.321 | 1927.213 | 23.958 | 42.708 |
| σ | | 345.548 | 27.526 | 212.150 | 57.599 | 31.263 | 345.396 | 57.679 | 3.932 | 10.636 |
| %RSD | | 1.865 | 7.582 | 3.859 | 1.926 | 15.713 | 0.906 | 2.993 | 16.413 | 24.903 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:43:27 | 109.375 | 53.125 | 106.250 | 233.335 | 68.750 | 68.750 | 136.459 | 22.396 | 16.667 |
| 2 | 01:44:35 | 148.438 | 57.813 | 78.125 | 204.168 | 54.688 | 54.688 | 139.063 | 27.604 | 21.354 |
| 3 | 01:45:43 | 95.313 | 45.313 | 135.938 | 233.856 | 56.250 | 56.250 | 142.188 | 25.521 | 22.396 |
| x | | 117.709 | 52.083 | 106.771 | 223.786 | 59.896 | 59.896 | 139.237 | 25.174 | 20.139 |
| σ | | 27.526 | 6.315 | 28.910 | 16.992 | 7.708 | 7.708 | 2.869 | 2.621 | 3.052 |
| %RSD | | 23.385 | 12.124 | 27.077 | 7.593 | 12.868 | 12.868 | 2.060 | 10.414 | 15.154 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:43:27 | 28.125 | 34.375 | 23.438 | 12.500 | 35.938 | 0.000 | 161795.440 | 106.250 | 4.688 |
| 2 | 01:44:35 | 21.875 | 32.813 | 45.313 | 34.375 | 43.750 | 0.000 | 159750.740 | 125.001 | 3.125 |
| 3 | 01:45:43 | 20.313 | 43.750 | 29.688 | 26.563 | 50.000 | 0.000 | 161392.480 | 112.500 | 6.250 |
| x | | 23.438 | 36.979 | 32.813 | 24.479 | 43.229 | 0.000 | 160979.550 | 114.584 | 4.688 |
| σ | | 4.134 | 5.916 | 11.267 | 11.085 | 7.046 | 0.000 | 1083.085 | 9.547 | 1.563 |
| %RSD | | 17.638 | 15.997 | 34.339 | 45.285 | 16.299 | 0.000 | 0.673 | 8.332 | 33.333 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:43:27 | 0.000 | 0.000 | 0.000 | 0.000 | 60.938 | 26.563 | 334.379 | 545.323 | 432431.700 |
| 2 | 01:44:35 | 0.000 | 0.000 | 7.813 | 1.563 | 64.063 | 18.750 | 295.316 | 573.449 | 423263.150 |
| 3 | 01:45:43 | 1.563 | 1.563 | 4.688 | 1.563 | 53.125 | 12.500 | 331.254 | 546.885 | 427012.930 |
| x | | 0.521 | 0.521 | 4.167 | 1.042 | 59.375 | 19.271 | 320.316 | 555.219 | 427569.260 |
| σ | | 0.902 | 0.902 | 3.932 | 0.902 | 5.634 | 7.046 | 21.707 | 15.807 | 4609.521 |
| %RSD | | 173.205 | 173.205 | 94.373 | 86.603 | 9.488 | 36.562 | 6.777 | 2.847 | 1.078 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:43:27 | 466983.260 | 6.250 | 32.813 | 32.813 | 39.063 | 82.813 | 426097.120 | 3259.747 |
| 2 | 01:44:35 | 457925.130 | 12.500 | 37.500 | 31.250 | 26.563 | 68.750 | 413762.700 | 3256.621 |
| 3 | 01:45:43 | 459117.170 | 21.875 | 53.125 | 40.625 | 51.563 | 67.188 | 419083.210 | 3203.484 |
| x | | 461341.850 | 13.542 | 41.146 | 34.896 | 39.063 | 72.917 | 419647.680 | 3239.951 |
| σ | | 4921.824 | 7.864 | 10.636 | 5.023 | 12.500 | 8.606 | 6186.553 | 31.620 |
| %RSD | | 1.067 | 58.076 | 25.849 | 14.394 | 32.000 | 11.802 | 1.474 | 0.976 |

**C1881-17X25 MF3TB7** 05/02/2011 01:50:19 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:51:27 | 15890.082 | 2.083 | 845.338 | 246.877 | 5224640.500 | 742632.150 | 96197.804 | 115918.400 | 521.885 |
| 2 | 01:52:36 | 15894.775 | 1.563 | 815.648 | 257.815 | 5203892.400 | 742054.780 | 95502.537 | 115582.880 | 537.510 |
| 3 | 01:53:44 | 15830.641 | 0.521 | 764.083 | 250.002 | 5217195.100 | 738567.460 | 95488.381 | 115271.000 | 478.133 |
| x | | 15871.833 | 1.389 | 808.356 | 251.565 | 5215242.700 | 741084.800 | 95729.574 | 115590.760 | 512.509 |
| σ | | 35.750 | 0.796 | 41.115 | 5.634 | 10510.945 | 2199.109 | 405.561 | 323.769 | 30.779 |
| %RSD | | 0.225 | 57.282 | 5.086 | 2.239 | 0.202 | 0.297 | 0.424 | 0.280 | 6.006 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:51:27 | 82826.916 | 890.653 | 25032.851 | 92539.381 | 185589.930 | 5915.287 | 99303.320 | 57772.834 | 20.313 |
| 2 | 01:52:36 | 82962.072 | 896.903 | 25086.069 | 90510.822 | 184507.300 | 5832.440 | 97583.718 | 58717.298 | 10.938 |
| 3 | 01:53:44 | 84231.971 | 859.401 | 24823.110 | 89929.040 | 184282.550 | 6090.361 | 96833.326 | 58470.978 | 21.875 |
| x | | 83340.320 | 882.319 | 24980.677 | 90993.081 | 184793.260 | 5946.029 | 97906.788 | 58320.370 | 17.708 |
| σ | | 775.144 | 20.092 | 139.027 | 1370.365 | 699.033 | 131.680 | 1266.293 | 489.913 | 5.916 |
| %RSD | | 0.930 | 2.277 | 0.557 | 1.506 | 0.378 | 2.215 | 1.293 | 0.840 | 33.405 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:51:27 | 16274.890 | 860.963 | 4632.001 | 2811.214 | 201.564 | 36322.681 | 1653.221 | 73.438 | 45.313 |
| 2 | 01:52:36 | 16268.633 | 829.712 | 4549.162 | 2864.350 | 154.688 | 35837.082 | 1625.092 | 54.688 | 46.875 |
| 3 | 01:53:44 | 15797.793 | 796.897 | 4547.599 | 2740.888 | 162.501 | 36202.063 | 1631.343 | 73.438 | 45.313 |
| x | | 16113.772 | 829.191 | 4576.254 | 2805.484 | 172.918 | 36120.608 | 1636.552 | 67.188 | 45.833 |
| σ | | 273.664 | 32.036 | 48.285 | 61.930 | 25.114 | 252.839 | 14.770 | 10.825 | 0.902 |
| %RSD | | 1.698 | 3.864 | 1.055 | 2.207 | 14.524 | 0.700 | 0.902 | 16.112 | 1.968 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:51:27 | 75.000 | 31.250 | 200.001 | 216.147 | 48.438 | 48.438 | 150.001 | 22.396 | 18.229 |
| 2 | 01:52:36 | 95.313 | 35.938 | 181.251 | 195.314 | 53.125 | 53.125 | 142.188 | 16.667 | 19.271 |
| 3 | 01:53:44 | 78.125 | 31.250 | 204.689 | 204.168 | 42.188 | 42.188 | 130.730 | 22.917 | 17.708 |
| x | | 82.813 | 32.813 | 195.314 | 205.210 | 47.917 | 47.917 | 140.973 | 20.660 | 18.403 |
| σ | | 10.938 | 2.706 | 12.402 | 10.456 | 5.487 | 5.487 | 9.693 | 3.468 | 0.796 |
| %RSD | | 13.208 | 8.248 | 6.350 | 5.095 | 11.452 | 11.452 | 6.876 | 16.786 | 4.323 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:51:27 | 17.188 | 10.938 | 25.000 | 14.063 | 23.438 | 0.000 | 156899.090 | 101.563 | 6.250 |
| 2 | 01:52:36 | 12.500 | 9.375 | 25.000 | 23.438 | 21.875 | 1.563 | 158153.430 | 123.438 | 10.938 |
| 3 | 01:53:44 | 12.500 | 17.188 | 10.938 | 7.813 | 17.188 | 1.563 | 158137.630 | 109.375 | 10.938 |
| x | | 14.063 | 12.500 | 20.313 | 15.104 | 20.833 | 1.042 | 157730.050 | 111.459 | 9.375 |
| σ | | 2.706 | 4.134 | 8.119 | 7.864 | 3.253 | 0.902 | 719.678 | 11.085 | 2.706 |
| %RSD | | 19.245 | 33.072 | 39.970 | 52.068 | 15.613 | 86.603 | 0.456 | 9.946 | 28.868 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:51:27 | 0.000 | 0.000 | 6.250 | 3.125 | 48.438 | 15.625 | 339.067 | 559.386 | 416900.410 |
| 2 | 01:52:36 | 0.000 | 0.000 | 1.563 | 1.563 | 31.250 | 9.375 | 295.316 | 526.572 | 422790.070 |
| 3 | 01:53:44 | 0.000 | 0.000 | 7.813 | 0.000 | 71.875 | 21.875 | 320.316 | 517.197 | 415337.100 |
| x | | 0.000 | 0.000 | 5.208 | 1.563 | 50.521 | 15.625 | 318.233 | 534.385 | 418342.530 |
| σ | | 0.000 | 0.000 | 3.253 | 1.563 | 20.393 | 6.250 | 21.950 | 22.153 | 3930.201 |
| %RSD | | 0.000 | 0.000 | 62.450 | 100.000 | 40.365 | 40.000 | 6.897 | 4.146 | 0.939 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:51:27 | 448774.310 | 23.438 | 32.813 | 42.188 | 34.375 | 79.688 | 411767.210 | 2995.627 |
| 2 | 01:52:36 | 456150.950 | 21.875 | 37.500 | 57.813 | 40.625 | 93.750 | 415298.500 | 2937.802 |
| 3 | 01:53:44 | 455160.730 | 15.625 | 35.938 | 54.688 | 23.438 | 82.813 | 419043.000 | 2920.611 |
| x | | 453362.000 | 20.313 | 35.417 | 51.563 | 32.813 | 85.417 | 415369.570 | 2951.347 |
| σ | | 4003.783 | 4.134 | 2.387 | 8.268 | 8.700 | 7.384 | 3638.417 | 39.299 |
| %RSD | | 0.883 | 20.352 | 6.739 | 16.035 | 26.513 | 8.645 | 0.876 | 1.332 |

**C1881-18X25 MF3TD9** 05/02/2011 01:58:20 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:59:28 | 15480.258 | 1.563 | 700.017 | 209.377 | 4698857.200 | 493179.610 | 64132.695 | 77541.122 | 568.761 |
| 2 | 02:00:37 | 15452.102 | 0.521 | 706.267 | 218.752 | 4684422.700 | 499507.600 | 64558.042 | 78039.136 | 526.572 |
| 3 | 02:01:45 | 15020.392 | 2.083 | 665.641 | 234.377 | 4859321.000 | 516169.240 | 66504.440 | 81315.144 | 635.952 |
| x | | 15317.584 | 1.389 | 690.642 | 220.835 | 4747533.600 | 502952.150 | 65065.059 | 78965.134 | 577.095 |
| σ | | 257.760 | 0.796 | 21.876 | 12.630 | 97079.361 | 11875.585 | 1264.553 | 2050.345 | 55.164 |
| %RSD | | 1.683 | 57.282 | 3.167 | 5.719 | 2.045 | 2.361 | 1.944 | 2.597 | 9.559 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:59:28 | 63038.780 | 870.339 | 23910.618 | 87715.340 | 165904.670 | 5593.282 | 92784.715 | 57386.908 | 10.938 |
| 2 | 02:00:37 | 63070.168 | 856.276 | 23704.025 | 87847.398 | 167286.260 | 5601.098 | 93706.326 | 57231.599 | 12.500 |
| 3 | 02:01:45 | 65565.741 | 884.402 | 24536.679 | 89727.780 | 171216.790 | 5816.809 | 96188.366 | 56626.068 | 1.563 |
| x | | 63891.563 | 870.339 | 24050.441 | 88430.173 | 168135.910 | 5670.396 | 94226.469 | 57081.525 | 8.333 |
| σ | | 1449.966 | 14.063 | 433.579 | 1125.699 | 2756.102 | 126.857 | 1760.432 | 402.009 | 5.916 |
| %RSD | | 2.269 | 1.616 | 1.803 | 1.273 | 1.639 | 2.237 | 1.868 | 0.704 | 70.986 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:59:28 | 13381.264 | 284.378 | 3975.553 | 2762.767 | 220.314 | 35456.446 | 1626.655 | 15.625 | 35.938 |
| 2 | 02:00:37 | 13298.374 | 342.192 | 3913.036 | 2817.465 | 212.502 | 35877.809 | 1578.212 | 21.875 | 40.625 |
| 3 | 02:01:45 | 13398.468 | 334.379 | 3931.791 | 2634.618 | 214.064 | 34881.596 | 1546.959 | 21.875 | 34.375 |
| x | | 13359.369 | 320.316 | 3940.127 | 2738.284 | 215.627 | 35405.284 | 1583.942 | 19.792 | 36.979 |
| σ | | 53.519 | 31.368 | 32.081 | 93.850 | 4.134 | 500.073 | 40.156 | 3.608 | 3.253 |
| %RSD | | 0.401 | 9.793 | 0.814 | 3.427 | 1.917 | 1.412 | 2.535 | 18.232 | 8.796 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:59:28 | 117.188 | 42.188 | 126.563 | 205.210 | 48.438 | 48.438 | 157.293 | 27.604 | 20.313 |
| 2 | 02:00:37 | 110.938 | 45.313 | 148.438 | 182.293 | 59.375 | 59.375 | 146.355 | 20.833 | 26.042 |
| 3 | 02:01:45 | 96.875 | 42.188 | 142.188 | 183.335 | 51.563 | 51.563 | 155.209 | 28.125 | 20.313 |
| x | | 108.334 | 43.229 | 139.063 | 190.279 | 53.125 | 53.125 | 152.952 | 25.521 | 22.222 |
| σ | | 10.404 | 1.804 | 11.267 | 12.941 | 5.634 | 5.634 | 5.808 | 4.068 | 3.308 |
| %RSD | | 9.603 | 4.174 | 8.102 | 6.801 | 10.605 | 10.605 | 3.797 | 15.939 | 14.885 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:59:28 | 32.813 | 25.000 | 37.500 | 39.063 | 64.063 | 0.000 | 156707.940 | 137.501 | 4.688 |
| 2 | 02:00:37 | 29.688 | 31.250 | 35.938 | 25.000 | 54.688 | 1.563 | 156749.020 | 121.876 | 7.813 |
| 3 | 02:01:45 | 20.313 | 31.250 | 34.375 | 35.938 | 46.875 | 1.563 | 153897.960 | 112.500 | 4.688 |
| x | | 27.604 | 29.167 | 35.938 | 33.333 | 55.208 | 1.042 | 155784.970 | 123.959 | 5.729 |
| σ | | 6.505 | 3.608 | 1.563 | 7.384 | 8.606 | 0.902 | 1634.333 | 12.630 | 1.804 |
| %RSD | | 23.566 | 12.372 | 4.348 | 22.152 | 15.587 | 86.603 | 1.049 | 10.189 | 31.492 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:59:28 | 1.563 | 1.563 | 7.813 | 0.000 | 46.875 | 28.125 | 201.564 | 365.630 | 417325.040 |
| 2 | 02:00:37 | 0.000 | 0.000 | 0.000 | 0.000 | 54.688 | 21.875 | 162.501 | 370.317 | 424626.150 |
| 3 | 02:01:45 | 0.000 | 0.000 | 4.688 | 0.000 | 71.875 | 17.188 | 204.689 | 360.942 | 417529.320 |
| x | | 0.521 | 0.521 | 4.167 | 0.000 | 57.813 | 22.396 | 189.585 | 365.630 | 419826.840 |
| σ | | 0.902 | 0.902 | 3.932 | 0.000 | 12.790 | 5.487 | 23.507 | 4.688 | 4157.584 |
| %RSD | | 173.205 | 173.205 | 94.373 | 0.000 | 22.123 | 24.502 | 12.399 | 1.282 | 0.990 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:59:28 | 454064.150 | 21.875 | 60.938 | 56.250 | 42.188 | 115.625 | 418286.940 | 2093.903 |
| 2 | 02:00:37 | 459125.240 | 31.250 | 50.000 | 76.563 | 46.875 | 134.376 | 421887.400 | 2225.173 |
| 3 | 02:01:45 | 451071.550 | 20.313 | 57.813 | 65.625 | 46.875 | 121.876 | 413494.150 | 2264.242 |
| x | | 454753.650 | 24.479 | 56.250 | 66.146 | 45.313 | 123.959 | 417889.500 | 2194.440 |
| σ | | 4070.875 | 5.916 | 5.634 | 10.166 | 2.706 | 9.547 | 4210.717 | 89.231 |
| %RSD | | 0.895 | 24.166 | 10.015 | 15.370 | 5.973 | 7.702 | 1.008 | 4.066 |

**C1881-19X25 MF3TA2** 05/02/2011 02:06:22 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:07:30 | 15758.687 | 3.125 | 742.207 | 248.440 | 4860972.700 | 661035.500 | 84749.078 | 102354.430 | 481.258 |
| 2 | 02:08:38 | 15835.334 | 0.521 | 679.704 | 229.689 | 4716363.100 | 637242.680 | 83799.753 | 100355.950 | 465.633 |
| 3 | 02:09:46 | 15395.792 | 2.083 | 701.580 | 253.127 | 4801083.600 | 654474.000 | 84602.903 | 100407.880 | 448.445 |
| x | | 15663.271 | 1.910 | 707.830 | 243.752 | 4792806.500 | 650917.390 | 84383.911 | 101039.420 | 465.112 |
| σ | | 234.793 | 1.311 | 31.717 | 12.402 | 72659.280 | 12288.681 | 511.149 | 1139.129 | 16.413 |
| %RSD | | 1.499 | 68.635 | 4.481 | 5.088 | 1.516 | 1.888 | 0.606 | 1.127 | 3.529 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:07:30 | 71616.564 | 848.463 | 24564.852 | 86737.522 | 172089.690 | 5973.124 | 99484.260 | 57912.460 | 20.313 |
| 2 | 02:08:38 | 72452.011 | 881.277 | 24383.291 | 87611.581 | 170279.120 | 5921.539 | 97198.292 | 58930.674 | 21.875 |
| 3 | 02:09:46 | 72524.251 | 862.526 | 24131.301 | 90108.289 | 172918.360 | 5879.335 | 97240.767 | 58245.058 | 21.875 |
| x | | 72197.608 | 864.089 | 24359.815 | 88152.464 | 171762.390 | 5924.666 | 97974.439 | 58362.731 | 21.354 |
| σ | | 504.494 | 16.463 | 217.727 | 1749.267 | 1349.715 | 46.973 | 1307.715 | 519.206 | 0.902 |
| %RSD | | 0.699 | 1.905 | 0.894 | 1.984 | 0.786 | 0.793 | 1.335 | 0.890 | 4.225 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:07:30 | 12757.256 | 1179.736 | 3684.850 | 2748.702 | 151.563 | 34862.800 | 1631.343 | 18.750 | 39.063 |
| 2 | 02:08:38 | 12821.376 | 1292.246 | 3523.872 | 2737.762 | 173.439 | 34565.203 | 1546.959 | 9.375 | 48.438 |
| 3 | 02:09:46 | 12783.842 | 1312.560 | 3489.489 | 2754.953 | 192.189 | 35362.464 | 1593.839 | 17.188 | 37.500 |
| x | | 12787.491 | 1261.514 | 3566.070 | 2747.139 | 172.397 | 34930.156 | 1590.714 | 15.104 | 41.667 |
| σ | | 32.215 | 71.546 | 104.293 | 8.701 | 20.333 | 402.875 | 42.279 | 5.023 | 5.916 |
| %RSD | | 0.252 | 5.671 | 2.925 | 0.317 | 11.794 | 1.153 | 2.658 | 33.254 | 14.197 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:07:30 | 134.376 | 48.438 | 168.751 | 170.314 | 32.813 | 32.813 | 130.209 | 26.563 | 23.958 |
| 2 | 02:08:38 | 115.625 | 46.875 | 154.688 | 180.730 | 40.625 | 40.625 | 141.147 | 24.479 | 26.042 |
| 3 | 02:09:46 | 110.938 | 50.000 | 159.376 | 166.668 | 45.313 | 45.313 | 133.855 | 22.396 | 19.792 |
| x | | 120.313 | 48.438 | 160.938 | 172.570 | 39.583 | 39.583 | 135.070 | 24.479 | 23.264 |
| σ | | 12.402 | 1.563 | 7.160 | 7.298 | 6.315 | 6.315 | 5.569 | 2.083 | 3.182 |
| %RSD | | 10.308 | 3.226 | 4.449 | 4.229 | 15.953 | 15.953 | 4.123 | 8.511 | 13.679 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:07:30 | 12.500 | 31.250 | 29.688 | 15.625 | 34.375 | 3.125 | 158422.010 | 84.375 | 9.375 |
| 2 | 02:08:38 | 17.188 | 31.250 | 31.250 | 29.688 | 54.688 | 1.563 | 162569.780 | 109.375 | 0.000 |
| 3 | 02:09:46 | 17.188 | 23.438 | 25.000 | 21.875 | 39.063 | 3.125 | 158050.740 | 107.813 | 3.125 |
| x | | 15.625 | 28.646 | 28.646 | 22.396 | 42.708 | 2.604 | 159680.840 | 100.521 | 4.167 |
| σ | | 2.706 | 4.511 | 3.253 | 7.046 | 10.636 | 0.902 | 2508.770 | 14.005 | 4.774 |
| %RSD | | 17.321 | 15.746 | 11.355 | 31.460 | 24.903 | 34.641 | 1.571 | 13.932 | 114.564 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:07:30 | 0.000 | 0.000 | 7.813 | 1.563 | 64.063 | 20.313 | 189.064 | 332.816 | 424466.840 |
| 2 | 02:08:38 | 3.125 | 3.125 | 0.000 | 1.563 | 40.625 | 10.938 | 218.752 | 335.941 | 429815.430 |
| 3 | 02:09:46 | 1.563 | 1.563 | 1.563 | 3.125 | 50.000 | 3.125 | 225.002 | 339.067 | 426478.560 |
| x | | 1.563 | 1.563 | 3.125 | 2.083 | 51.563 | 11.458 | 210.939 | 335.941 | 426920.280 |
| σ | | 1.563 | 1.563 | 4.134 | 0.902 | 11.797 | 8.606 | 19.201 | 3.125 | 2701.517 |
| %RSD | | 100.000 | 100.000 | 132.288 | 43.301 | 22.878 | 75.103 | 9.102 | 0.930 | 0.633 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:07:30 | 462480.920 | 12.500 | 43.750 | 43.750 | 37.500 | 115.625 | 421261.520 | 2601.799 |
| 2 | 02:08:38 | 468910.500 | 18.750 | 35.938 | 50.000 | 32.813 | 106.250 | 426377.170 | 2554.916 |
| 3 | 02:09:46 | 459649.510 | 15.625 | 39.063 | 57.813 | 40.625 | 115.625 | 422059.570 | 2495.530 |
| x | | 463680.310 | 15.625 | 39.583 | 50.521 | 36.979 | 112.500 | 423232.750 | 2550.749 |
| σ | | 4745.563 | 3.125 | 3.932 | 7.046 | 3.932 | 5.413 | 2752.222 | 53.257 |
| %RSD | | 1.023 | 20.000 | 9.934 | 13.946 | 10.634 | 4.811 | 0.650 | 2.088 |

**C1881-20X25 MF3TC3** 05/02/2011 02:14:23 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:15:31 | 16040.250 | 3.125 | 556.261 | 253.127 | 5165233.100 | 897375.300 | 116461.850 | 140578.920 | 496.884 |
| 2 | 02:16:39 | 15450.538 | 2.083 | 589.075 | 254.690 | 5366288.300 | 930190.510 | 120444.670 | 146708.850 | 464.070 |
| 3 | 02:17:47 | 16334.333 | 2.083 | 620.326 | 250.002 | 5288044.500 | 917855.300 | 119549.700 | 143080.130 | 481.258 |
| x | | 15941.707 | 2.431 | 588.554 | 252.606 | 5273188.600 | 915140.370 | 118818.740 | 143455.970 | 480.737 |
| σ | | 450.063 | 0.601 | 32.036 | 2.387 | 101347.510 | 16575.210 | 2089.603 | 3082.196 | 16.413 |
| %RSD | | 2.823 | 24.744 | 5.443 | 0.945 | 1.922 | 1.811 | 1.759 | 2.149 | 3.414 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:15:31 | 61265.465 | 876.589 | 28688.151 | 88853.592 | 216495.310 | 10574.225 | 177413.600 | 58991.863 | 10.938 |
| 2 | 02:16:39 | 64193.907 | 801.585 | 29181.336 | 90271.817 | 223011.590 | 11060.530 | 182706.240 | 56966.480 | 15.625 |
| 3 | 02:17:47 | 63129.806 | 906.279 | 29589.988 | 90787.570 | 223132.200 | 11054.275 | 182100.140 | 59100.122 | 20.313 |
| x | | 62863.059 | 861.484 | 29153.159 | 89970.993 | 220879.700 | 10896.343 | 180739.990 | 58352.822 | 15.625 |
| σ | | 1482.332 | 53.957 | 451.578 | 1001.468 | 3797.473 | 278.981 | 2896.641 | 1201.826 | 4.688 |
| %RSD | | 2.358 | 6.263 | 1.549 | 1.113 | 1.719 | 2.560 | 1.603 | 2.060 | 30.000 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:15:31 | 11731.377 | 948.469 | 3123.779 | 2753.390 | 170.314 | 35199.562 | 2051.710 | 40.625 | 42.188 |
| 2 | 02:16:39 | 11412.369 | 1032.850 | 3397.279 | 2701.818 | 157.813 | 35443.915 | 2111.093 | 35.938 | 56.250 |
| 3 | 02:17:47 | 11504.631 | 1004.723 | 3158.162 | 2754.953 | 167.188 | 35598.987 | 2250.177 | 71.875 | 34.375 |
| x | | 11549.459 | 995.347 | 3226.407 | 2736.721 | 165.105 | 35414.155 | 2137.660 | 49.479 | 44.271 |
| σ | | 164.161 | 42.965 | 148.975 | 30.237 | 6.505 | 201.369 | 101.866 | 19.537 | 11.085 |
| %RSD | | 1.421 | 4.317 | 4.617 | 1.105 | 3.940 | 0.569 | 4.765 | 39.484 | 25.040 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:15:31 | 98.438 | 32.813 | 57.813 | 157.293 | 35.938 | 35.938 | 153.126 | 25.521 | 24.479 |
| 2 | 02:16:39 | 90.625 | 35.938 | 73.438 | 166.147 | 45.313 | 45.313 | 141.147 | 27.083 | 18.750 |
| 3 | 02:17:47 | 70.313 | 29.688 | 59.375 | 144.792 | 42.188 | 42.188 | 141.147 | 22.917 | 26.042 |
| x | | 86.459 | 32.813 | 63.542 | 156.077 | 41.146 | 41.146 | 145.140 | 25.174 | 23.090 |
| σ | | 14.518 | 3.125 | 8.606 | 10.729 | 4.774 | 4.774 | 6.916 | 2.105 | 3.839 |
| %RSD | | 16.792 | 9.524 | 13.543 | 6.874 | 11.601 | 11.601 | 4.765 | 8.362 | 16.627 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:15:31 | 15.625 | 15.625 | 9.375 | 18.750 | 31.250 | 7.813 | 159919.810 | 100.000 | 7.813 |
| 2 | 02:16:39 | 12.500 | 15.625 | 12.500 | 9.375 | 28.125 | 1.563 | 156910.150 | 98.438 | 3.125 |
| 3 | 02:17:47 | 7.813 | 7.813 | 17.188 | 18.750 | 25.000 | 0.000 | 161392.480 | 110.938 | 3.125 |
| x | | 11.979 | 13.021 | 13.021 | 15.625 | 28.125 | 3.125 | 159407.480 | 103.125 | 4.688 |
| σ | | 3.932 | 4.511 | 3.932 | 5.413 | 3.125 | 4.134 | 2284.664 | 6.811 | 2.706 |
| %RSD | | 32.825 | 34.641 | 30.199 | 34.641 | 11.111 | 132.288 | 1.433 | 6.604 | 57.735 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:15:31 | 1.563 | 1.563 | 1.563 | 1.563 | 42.188 | 12.500 | 129.688 | 282.815 | 423905.210 |
| 2 | 02:16:39 | 1.563 | 1.563 | 1.563 | 0.000 | 39.063 | 7.813 | 154.688 | 260.940 | 420135.330 |
| 3 | 02:17:47 | 0.000 | 0.000 | 3.125 | 1.563 | 45.313 | 14.063 | 143.751 | 248.440 | 430726.640 |
| x | | 1.042 | 1.042 | 2.083 | 1.042 | 42.188 | 11.458 | 142.709 | 264.065 | 424922.390 |
| σ | | 0.902 | 0.902 | 0.902 | 0.902 | 3.125 | 3.253 | 12.533 | 17.400 | 5368.425 |
| %RSD | | 86.603 | 86.603 | 43.301 | 86.603 | 7.407 | 28.386 | 8.782 | 6.589 | 1.263 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:15:31 | 459467.220 | 35.938 | 76.563 | 29.688 | 20.313 | 50.000 | 420811.030 | 5382.264 |
| 2 | 02:16:39 | 452092.130 | 28.125 | 50.000 | 31.250 | 14.063 | 45.313 | 413807.730 | 5638.613 |
| 3 | 02:17:47 | 468145.380 | 25.000 | 50.000 | 35.938 | 18.750 | 54.688 | 424803.180 | 5372.885 |
| x | | 459901.580 | 29.688 | 58.854 | 32.292 | 17.708 | 50.000 | 419807.310 | 5464.587 |
| σ | | 8035.438 | 5.634 | 15.336 | 3.253 | 3.253 | 4.688 | 5566.020 | 150.783 |
| %RSD | | 1.747 | 18.977 | 26.057 | 10.073 | 18.368 | 9.375 | 1.326 | 2.759 |

**CCV** 05/02/2011 02:22:23 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:23:31 | 13972.455 | 24707.807 | 4802.370 | 321.879 | 19310702.000 | 13096295.000 | 1762758.300 | 2104356.000 | 2998753.000 |
| 2 | 02:24:39 | 13908.330 | 25201.898 | 4935.227 | 339.067 | 19345548.000 | 13143770.000 | 1771022.200 | 2087322.900 | 3013938.900 |
| 3 | 02:25:47 | 14144.499 | 25806.622 | 5191.568 | 356.254 | 19898574.000 | 13418237.000 | 1821261.800 | 2170972.200 | 3138733.800 |
| x | | 14008.428 | 25238.775 | 4976.388 | 339.067 | 19518275.000 | 13219434.000 | 1785014.100 | 2120883.700 | 3050475.200 |
| σ | | 122.125 | 550.335 | 197.837 | 17.188 | 329809.440 | 173797.140 | 31662.235 | 44206.045 | 76810.380 |
| %RSD | | 0.872 | 2.181 | 3.976 | 5.069 | 1.690 | 1.315 | 1.774 | 2.084 | 2.518 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:23:31 | 28962.708 | 148568.550 | 14554.285 | 61745.651 | 8766532.400 | 43949.063 | 661750.330 | 52482.164 | 21114.029 |
| 2 | 02:24:39 | 28846.803 | 149130.610 | 14401.005 | 62279.209 | 8684946.200 | 43992.191 | 651126.940 | 51687.086 | 21641.380 |
| 3 | 02:25:47 | 30590.656 | 153749.500 | 14410.389 | 60835.508 | 8963988.500 | 46283.690 | 671998.420 | 50928.117 | 21938.708 |
| x | | 29466.722 | 150482.880 | 14455.227 | 61620.123 | 8805155.700 | 44741.648 | 661625.230 | 51699.122 | 21564.706 |
| σ | | 975.079 | 2842.895 | 85.916 | 729.990 | 143474.630 | 1335.622 | 10436.302 | 777.093 | 417.652 |
| %RSD | | 3.309 | 1.889 | 0.594 | 1.185 | 1.629 | 2.985 | 1.577 | 1.503 | 1.937 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:23:31 | 328416.480 | 311413.900 | 39889.990 | 1167624.900 | 876940.920 | 20389574.000 | 501866.900 | 379541.330 | 81205.146 |
| 2 | 02:24:39 | 331399.830 | 313210.360 | 40219.035 | 1176641.900 | 887237.490 | 20146123.000 | 502356.620 | 378246.730 | 83065.797 |
| 3 | 02:25:47 | 339815.990 | 323423.240 | 42046.160 | 1230099.000 | 909143.060 | 20779130.000 | 514984.620 | 388247.210 | 85822.646 |
| x | | 333210.770 | 316015.830 | 40718.395 | 1191455.300 | 891107.160 | 20438276.000 | 506402.720 | 382011.760 | 83364.530 |
| σ | | 5911.584 | 6477.579 | 1161.588 | 33768.769 | 16446.127 | 319301.490 | 7436.182 | 5438.719 | 2323.200 |
| %RSD | | 1.774 | 2.050 | 2.853 | 2.834 | 1.846 | 1.562 | 1.468 | 1.424 | 2.787 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:23:31 | 410427.920 | 198399.430 | 147736.550 | 58769.072 | 3947.420 | 3947.420 | 12505.992 | 5282.226 | 25.521 |
| 2 | 02:24:39 | 410944.000 | 195715.920 | 146790.940 | 58950.024 | 3838.016 | 3838.016 | 12538.834 | 5310.362 | 16.667 |
| 3 | 02:25:47 | 420264.030 | 204262.440 | 152520.810 | 60393.535 | 3856.771 | 3856.771 | 12666.550 | 5463.545 | 19.792 |
| x | | 413878.650 | 199459.260 | 149016.100 | 59370.877 | 3880.735 | 3880.735 | 12570.459 | 5352.044 | 20.660 |
| σ | | 5535.917 | 4370.722 | 3071.773 | 890.257 | 58.507 | 58.507 | 84.822 | 97.581 | 4.490 |
| %RSD | | 1.338 | 2.191 | 2.061 | 1.499 | 1.508 | 1.508 | 0.675 | 1.823 | 21.735 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:23:31 | 82743.623 | 123982.560 | 136639.410 | 78287.363 | 205584.330 | 3.125 | 140632.570 | 8361.822 | 385524.960 |
| 2 | 02:24:39 | 81285.287 | 123853.320 | 135978.460 | 77757.921 | 207106.070 | 1.563 | 139647.980 | 8325.863 | 383287.830 |
| 3 | 02:25:47 | 85885.523 | 129730.130 | 141823.950 | 80238.771 | 213968.600 | 7.813 | 136950.180 | 8419.668 | 397205.690 |
| x | | 83304.811 | 125855.340 | 138147.280 | 78761.352 | 208886.340 | 4.167 | 139076.910 | 8369.118 | 388672.830 |
| σ | | 2350.902 | 3356.294 | 3201.198 | 1306.580 | 4466.656 | 3.253 | 1906.461 | 47.326 | 7473.855 |
| %RSD | | 2.822 | 2.667 | 2.317 | 1.659 | 2.138 | 78.062 | 1.371 | 0.565 | 1.923 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:23:31 | 6290.447 | 6290.447 | 376005.920 | 95194.240 | 261786.220 | 369306.390 | 339251.240 | 606153.560 | 396436.320 |
| 2 | 02:24:39 | 6126.313 | 6126.313 | 376488.700 | 95277.605 | 262780.790 | 370561.710 | 342219.220 | 601347.320 | 391376.190 |
| 3 | 02:25:47 | 6453.020 | 6453.020 | 387720.700 | 97824.419 | 269354.660 | 381240.380 | 349199.180 | 617558.000 | 381383.170 |
| x | | 6289.927 | 6289.927 | 380071.770 | 96098.755 | 264640.560 | 373702.830 | 343556.550 | 608352.960 | 389731.900 |
| σ | | 163.354 | 163.354 | 6628.565 | 1495.050 | 4112.711 | 6557.817 | 5107.025 | 8326.140 | 7660.097 |
| %RSD | | 2.597 | 2.597 | 1.744 | 1.556 | 1.554 | 1.755 | 1.487 | 1.369 | 1.965 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:23:31 | 430881.200 | 789504.480 | 1901631.300 | 633492.850 | 597724.950 | 1397780.800 | 383504.470 | 3789458.300 |
| 2 | 02:24:39 | 426105.170 | 792047.420 | 1904249.700 | 631648.180 | 602148.790 | 1420664.300 | 383241.300 | 3775716.900 |
| 3 | 02:25:47 | 416175.020 | 819526.370 | 1965474.400 | 650342.380 | 619086.120 | 1459106.800 | 373064.670 | 3914515.700 |
| x | | 424387.130 | 800359.420 | 1923785.100 | 638494.470 | 606319.950 | 1425850.600 | 379936.810 | 3826563.600 |
| σ | | 7502.108 | 16647.686 | 36127.678 | 10301.966 | 11274.920 | 30990.197 | 5952.904 | 76477.998 |
| %RSD | | 1.768 | 2.080 | 1.878 | 1.613 | 1.860 | 2.173 | 1.567 | 1.999 |

**CCB** 05/02/2011 02:30:21 AM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:31:30 | 14230.522 | 34.375 | 148.438 | 196.876 | 139821.550 | 15835.334 | 2147.036 | 2614.302 | 3486.363 |
| 2 | 02:32:38 | 15036.034 | 28.646 | 126.563 | 235.939 | 131866.750 | 12926.158 | 1773.548 | 2148.599 | 2939.365 |
| 3 | 02:33:46 | 14538.644 | 27.604 | 120.313 | 248.440 | 126718.910 | 11288.834 | 1540.708 | 1804.802 | 2736.200 |
| x | | 14601.733 | 30.208 | 131.771 | 227.085 | 132802.400 | 13350.109 | 1820.431 | 2189.234 | 3053.976 |
| σ | | 406.445 | 3.646 | 14.768 | 26.898 | 6601.237 | 2302.709 | 305.871 | 406.277 | 387.992 |
| %RSD | | 2.784 | 12.069 | 11.208 | 11.845 | 4.971 | 17.249 | 16.802 | 18.558 | 12.704 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:31:30 | 559.386 | 1106.293 | 14474.517 | 62935.200 | 86555.171 | 64.063 | 1101.605 | 51958.380 | 51.563 |
| 2 | 02:32:38 | 550.011 | 946.906 | 14787.337 | 64237.854 | 82804.914 | 46.875 | 951.594 | 52706.425 | 43.750 |
| 3 | 02:33:46 | 515.634 | 1028.162 | 14752.926 | 63883.143 | 81230.288 | 43.750 | 890.653 | 53387.070 | 59.375 |
| x | | 541.677 | 1027.120 | 14671.593 | 63685.399 | 83530.124 | 51.563 | 981.284 | 52683.958 | 51.563 |
| σ | | 23.036 | 79.698 | 171.538 | 673.464 | 2735.515 | 10.938 | 108.565 | 714.610 | 7.813 |
| %RSD | | 4.253 | 7.759 | 1.169 | 1.057 | 3.275 | 21.212 | 11.064 | 1.356 | 15.152 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:31:30 | 7844.341 | 587.512 | 2648.683 | 3567.633 | 1065.665 | 49004.218 | 1640.719 | 425.006 | 109.375 |
| 2 | 02:32:38 | 7653.612 | 529.697 | 2406.453 | 3447.291 | 939.093 | 45397.017 | 1484.452 | 359.380 | 68.750 |
| 3 | 02:33:46 | 7134.594 | 500.009 | 2318.938 | 3308.196 | 875.027 | 44354.688 | 1434.447 | 296.878 | 68.750 |
| x | | 7544.182 | 539.073 | 2458.025 | 3441.040 | 959.928 | 46251.974 | 1519.873 | 360.421 | 82.292 |
| σ | | 367.310 | 44.499 | 170.815 | 129.832 | 97.012 | 2439.825 | 107.601 | 64.070 | 23.455 |
| %RSD | | 4.869 | 8.255 | 6.949 | 3.773 | 10.106 | 5.275 | 7.080 | 17.777 | 28.502 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:31:30 | 489.071 | 260.940 | 223.439 | 133.855 | 25.000 | 25.000 | 135.417 | 21.875 | 18.750 |
| 2 | 02:32:38 | 456.257 | 176.564 | 209.377 | 126.563 | 26.563 | 26.563 | 138.542 | 28.125 | 20.833 |
| 3 | 02:33:46 | 403.131 | 212.502 | 162.501 | 106.250 | 25.000 | 25.000 | 98.959 | 17.708 | 18.750 |
| x | | 449.486 | 216.668 | 198.439 | 122.223 | 25.521 | 25.521 | 124.306 | 22.569 | 19.444 |
| σ | | 43.368 | 42.342 | 31.908 | 14.305 | 0.902 | 0.902 | 22.007 | 5.243 | 1.203 |
| %RSD | | 9.648 | 19.542 | 16.079 | 11.704 | 3.535 | 3.535 | 17.704 | 23.230 | 6.186 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:31:30 | 187.501 | 335.941 | 392.193 | 242.190 | 537.510 | 0.000 | 143683.020 | 146.876 | 589.075 |
| 2 | 02:32:38 | 171.876 | 256.252 | 265.627 | 168.751 | 432.819 | 0.000 | 146833.560 | 134.376 | 376.567 |
| 3 | 02:33:46 | 104.688 | 212.502 | 245.315 | 140.626 | 375.005 | 0.000 | 146680.430 | 117.188 | 304.691 |
| x | | 154.688 | 268.232 | 301.045 | 183.855 | 448.445 | 0.000 | 145732.340 | 132.813 | 423.444 |
| σ | | 44.001 | 62.586 | 79.587 | 52.440 | 82.372 | 0.000 | 1776.414 | 14.905 | 147.874 |
| %RSD | | 28.445 | 23.333 | 26.437 | 28.522 | 18.368 | 0.000 | 1.219 | 11.223 | 34.922 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:31:30 | 4.688 | 4.688 | 523.447 | 106.250 | 507.822 | 850.025 | 434.382 | 640.639 | 383873.560 |
| 2 | 02:32:38 | 7.813 | 7.813 | 317.191 | 65.625 | 426.569 | 607.825 | 315.628 | 553.136 | 394626.290 |
| 3 | 02:33:46 | 3.125 | 3.125 | 320.316 | 96.875 | 354.692 | 525.010 | 239.065 | 503.134 | 398273.890 |
| x | | 5.208 | 5.208 | 386.985 | 89.584 | 429.694 | 660.953 | 329.692 | 565.636 | 392257.910 |
| σ | | 2.387 | 2.387 | 118.190 | 21.272 | 76.613 | 168.896 | 98.415 | 69.600 | 7486.604 |
| %RSD | | 45.826 | 45.826 | 30.541 | 23.745 | 17.830 | 25.553 | 29.851 | 12.305 | 1.909 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 02:31:30 | 416430.750 | 1214.114 | 2845.596 | 814.086 | 821.899 | 1712.603 | 386914.920 | 3806.757 |
| 2 | 02:32:38 | 428002.830 | 800.022 | 2017.330 | 654.703 | 579.699 | 1393.818 | 395318.480 | 3264.435 |
| 3 | 02:33:46 | 432795.590 | 570.324 | 1481.327 | 546.885 | 431.257 | 1159.422 | 395734.440 | 2833.093 |
| x | | 425743.060 | 861.487 | 2114.751 | 671.891 | 610.951 | 1421.948 | 392655.950 | 3301.429 |
| σ | | 8413.200 | 326.267 | 687.332 | 134.427 | 197.187 | 277.661 | 4976.226 | 487.885 |
| %RSD | | 1.976 | 37.872 | 32.502 | 20.007 | 32.275 | 19.527 | 1.267 | 14.778 |

**CCV** 05/02/2011 04:09:25 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:10:32 | 13273.351 | 23576.731 | 4455.382 | 315.628 | 17594957.000 | 11905071.000 | 1621052.400 | 1918191.000 | 2711363.400 |
| 2 | 16:11:40 | 13076.294 | 23528.735 | 4652.320 | 296.878 | 17556784.000 | 11942364.000 | 1600781.400 | 1902819.700 | 2708162.400 |
| 3 | 16:12:48 | 12899.571 | 23619.510 | 4547.599 | 284.378 | 17581129.000 | 11867690.000 | 1611248.800 | 1902042.100 | 2716545.800 |
| x | | 13083.072 | 23574.992 | 4551.767 | 298.961 | 17577623.000 | 11905042.000 | 1611027.500 | 1907684.300 | 2712023.900 |
| σ | | 186.982 | 45.412 | 98.535 | 15.729 | 19326.156 | 37336.673 | 10137.316 | 9107.423 | 4230.519 |
| %RSD | | 1.429 | 0.193 | 2.165 | 5.261 | 0.110 | 0.314 | 0.629 | 0.477 | 0.156 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:10:32 | 24683.807 | 135424.810 | 13625.245 | 58017.573 | 7807296.200 | 41358.548 | 610108.890 | 46995.925 | 19497.671 |
| 2 | 16:11:40 | 24971.807 | 136263.980 | 13182.642 | 57239.443 | 7844297.200 | 40944.525 | 603680.180 | 46357.908 | 19837.201 |
| 3 | 16:12:48 | 24818.415 | 136099.930 | 13162.311 | 57277.094 | 7845757.200 | 40786.392 | 605500.140 | 46155.692 | 19710.463 |
| x | | 24824.676 | 135929.570 | 13323.399 | 57511.370 | 7832450.200 | 41029.821 | 606429.740 | 46503.175 | 19681.779 |
| σ | | 144.102 | 444.768 | 261.603 | 438.789 | 21796.254 | 295.461 | 3313.637 | 438.548 | 171.573 |
| %RSD | | 0.580 | 0.327 | 1.963 | 0.763 | 0.278 | 0.720 | 0.546 | 0.943 | 0.872 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:10:32 | 296552.650 | 286350.780 | 34635.686 | 1082116.700 | 816013.270 | 18315669.000 | 454921.540 | 345151.000 | 74349.221 |
| 2 | 16:11:40 | 297942.050 | 287852.390 | 34739.062 | 1082471.800 | 815557.040 | 18434598.000 | 453483.180 | 345541.530 | 74814.139 |
| 3 | 16:12:48 | 300939.850 | 284044.480 | 35135.342 | 1093798.600 | 816738.960 | 18158557.000 | 450649.580 | 348571.630 | 75051.315 |
| x | | 298478.190 | 286082.550 | 34836.697 | 1086129.100 | 816103.090 | 18302941.000 | 453018.100 | 346421.390 | 74738.225 |
| σ | | 2242.201 | 1918.070 | 263.749 | 6644.421 | 596.060 | 138460.210 | 2173.623 | 1872.376 | 357.150 |
| %RSD | | 0.751 | 0.670 | 0.757 | 0.612 | 0.073 | 0.756 | 0.480 | 0.540 | 0.478 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:10:32 | 376764.580 | 180272.490 | 138567.220 | 54033.243 | 3451.980 | 3451.980 | 11454.590 | 5020.674 | 16.146 |
| 2 | 16:11:40 | 377539.320 | 180353.190 | 138879.610 | 54337.519 | 3591.076 | 3591.076 | 11579.170 | 4914.387 | 19.271 |
| 3 | 16:12:48 | 374289.850 | 181270.940 | 139873.610 | 54100.162 | 3673.910 | 3673.910 | 11595.329 | 5058.708 | 19.271 |
| x | | 376197.920 | 180632.210 | 139106.820 | 54156.974 | 3572.322 | 3572.322 | 11543.030 | 4997.923 | 18.229 |
| σ | | 1697.233 | 554.632 | 682.187 | 159.896 | 112.148 | 112.148 | 77.016 | 74.802 | 1.804 |
| %RSD | | 0.451 | 0.307 | 0.490 | 0.295 | 3.139 | 3.139 | 0.667 | 1.497 | 9.897 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:10:32 | 90447.925 | 114623.640 | 126592.800 | 71682.518 | 188865.250 | 1.563 | 126996.360 | 8224.242 | 359181.210 |
| 2 | 16:11:40 | 90855.185 | 115165.470 | 128708.460 | 73301.641 | 191916.450 | 1.563 | 128311.160 | 8313.356 | 359053.040 |
| 3 | 16:12:48 | 90701.085 | 114881.950 | 129001.710 | 73435.136 | 189495.390 | 9.375 | 128684.810 | 8228.932 | 359000.180 |
| x | | 90668.065 | 114890.350 | 128100.990 | 72806.432 | 190092.370 | 4.167 | 127997.440 | 8255.510 | 359078.140 |
| σ | | 205.628 | 271.014 | 1314.332 | 975.624 | 1610.819 | 4.511 | 886.863 | 50.151 | 93.088 |
| %RSD | | 0.227 | 0.236 | 1.026 | 1.340 | 0.847 | 108.253 | 0.693 | 0.607 | 0.026 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:10:32 | 5899.655 | 5899.655 | 354524.850 | 90496.670 | 247053.870 | 354366.300 | 324610.650 | 574619.340 | 371506.080 |
| 2 | 16:11:40 | 5844.946 | 5844.946 | 353275.720 | 90136.592 | 248780.320 | 353874.650 | 319187.360 | 570343.640 | 367554.250 |
| 3 | 16:12:48 | 5946.550 | 5946.550 | 351783.310 | 89770.233 | 244658.480 | 350361.500 | 320834.590 | 574073.020 | 373853.650 |
| x | | 5897.050 | 5897.050 | 353194.620 | 90134.498 | 246830.890 | 352867.480 | 321544.200 | 573012.000 | 370971.330 |
| σ | | 50.852 | 50.852 | 1372.566 | 363.223 | 2069.945 | 2184.120 | 2780.412 | 2326.958 | 3183.565 |
| %RSD | | 0.862 | 0.862 | 0.389 | 0.403 | 0.839 | 0.619 | 0.865 | 0.406 | 0.858 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:10:32 | 401041.920 | 771450.890 | 1860970.400 | 617407.970 | 586039.830 | 1380309.200 | 367709.730 | 3637922.800 |
| 2 | 16:11:40 | 401342.370 | 776649.660 | 1881831.400 | 620733.470 | 587956.860 | 1390399.000 | 365533.060 | 3643673.300 |
| 3 | 16:12:48 | 402121.640 | 774709.380 | 1875885.900 | 623480.550 | 585000.050 | 1381923.400 | 367424.410 | 3590131.600 |
| x | | 401501.970 | 774269.980 | 1872895.900 | 620540.660 | 586332.250 | 1384210.500 | 366889.070 | 3623909.300 |
| σ | | 557.276 | 2627.089 | 10747.075 | 3040.876 | 1499.939 | 5419.778 | 1182.973 | 29393.251 |
| %RSD | | 0.139 | 0.339 | 0.574 | 0.490 | 0.256 | 0.392 | 0.322 | 0.811 |

**CCB** 05/02/2011 04:17:18 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:18:27 | 13618.989 | 21.875 | 76.563 | 210.939 | 131578.170 | 9403.094 | 1251.617 | 1554.772 | 2064.212 |
| 2 | 16:19:35 | 14144.499 | 19.271 | 92.188 | 198.439 | 134950.030 | 12463.247 | 1765.734 | 1986.076 | 2753.390 |
| 3 | 16:20:43 | 13747.236 | 28.646 | 68.750 | 223.439 | 133957.950 | 14382.236 | 1975.137 | 2381.449 | 3106.588 |
| x | | 13836.908 | 23.264 | 79.167 | 210.939 | 133495.380 | 12082.859 | 1664.163 | 1974.099 | 2641.397 |
| σ | | 273.991 | 4.839 | 11.934 | 12.500 | 1732.869 | 2511.272 | 372.300 | 413.468 | 530.136 |
| %RSD | | 1.980 | 20.802 | 15.074 | 5.926 | 1.298 | 20.784 | 22.372 | 20.945 | 20.070 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:18:27 | 487.508 | 823.461 | 13967.763 | 60421.256 | 84386.001 | 23.438 | 973.471 | 49065.365 | 28.125 |
| 2 | 16:19:35 | 606.263 | 881.277 | 14081.937 | 60493.435 | 85099.590 | 34.375 | 1154.734 | 49669.008 | 20.313 |
| 3 | 16:20:43 | 590.637 | 970.345 | 13952.122 | 59263.295 | 84134.524 | 32.813 | 1150.046 | 50034.342 | 35.938 |
| x | | 561.469 | 891.695 | 14000.607 | 60059.329 | 84540.038 | 30.208 | 1092.750 | 49589.572 | 28.125 |
| σ | | 64.527 | 73.994 | 70.866 | 690.329 | 500.633 | 5.916 | 103.326 | 489.348 | 7.813 |
| %RSD | | 11.493 | 8.298 | 0.506 | 1.149 | 0.592 | 19.582 | 9.456 | 0.987 | 27.778 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:18:27 | 2162.664 | 396.881 | 682.829 | 2687.753 | 609.388 | 35387.525 | 1329.749 | 217.189 | 50.000 |
| 2 | 16:19:35 | 2229.862 | 379.693 | 662.515 | 2947.179 | 851.588 | 39437.173 | 1381.317 | 315.628 | 62.500 |
| 3 | 16:20:43 | 2068.900 | 492.196 | 650.015 | 3148.785 | 854.713 | 41996.013 | 1532.895 | 346.879 | 93.750 |
| x | | 2153.808 | 422.923 | 665.120 | 2927.905 | 771.896 | 38940.237 | 1414.654 | 293.232 | 68.750 |
| σ | | 80.845 | 60.605 | 16.561 | 231.119 | 140.745 | 3332.152 | 105.596 | 67.684 | 22.535 |
| %RSD | | 3.754 | 14.330 | 2.490 | 7.894 | 18.234 | 8.557 | 7.464 | 23.082 | 32.778 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:18:27 | 340.629 | 151.563 | 126.563 | 40.625 | 4.688 | 4.688 | 104.167 | 17.708 | 13.021 |
| 2 | 16:19:35 | 368.755 | 160.938 | 137.501 | 71.875 | 15.625 | 15.625 | 116.667 | 15.625 | 17.188 |
| 3 | 16:20:43 | 396.881 | 201.564 | 195.314 | 71.354 | 1.563 | 1.563 | 114.584 | 19.792 | 13.021 |
| x | | 368.755 | 171.355 | 153.126 | 61.285 | 7.292 | 7.292 | 111.806 | 17.708 | 14.410 |
| σ | | 28.126 | 26.578 | 36.943 | 17.894 | 7.384 | 7.384 | 6.697 | 2.083 | 2.406 |
| %RSD | | 7.627 | 15.511 | 24.126 | 29.198 | 101.268 | 101.268 | 5.990 | 11.765 | 16.694 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:18:27 | 212.502 | 376.567 | 384.380 | 229.689 | 650.015 | 4.688 | 136513.220 | 101.563 | 265.627 |
| 2 | 16:19:35 | 179.689 | 343.754 | 282.815 | 206.251 | 418.756 | 3.125 | 139777.370 | 103.125 | 301.566 |
| 3 | 16:20:43 | 184.376 | 270.315 | 289.065 | 153.126 | 393.755 | 3.125 | 138056.060 | 85.938 | 326.566 |
| x | | 192.189 | 330.212 | 318.754 | 196.356 | 487.509 | 3.646 | 138115.550 | 96.875 | 297.920 |
| σ | | 17.747 | 54.405 | 56.920 | 39.229 | 141.288 | 0.902 | 1632.888 | 9.504 | 30.633 |
| %RSD | | 9.234 | 16.476 | 17.857 | 19.979 | 28.982 | 24.744 | 1.182 | 9.811 | 10.282 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:18:27 | 6.250 | 6.250 | 268.753 | 45.313 | 343.754 | 567.199 | 204.689 | 337.504 | 379332.780 |
| 2 | 16:19:35 | 3.125 | 3.125 | 320.316 | 65.625 | 342.192 | 507.822 | 260.940 | 482.821 | 383433.860 |
| 3 | 16:20:43 | 4.688 | 4.688 | 298.441 | 87.500 | 360.942 | 531.260 | 307.816 | 542.198 | 383562.240 |
| x | | 4.688 | 4.688 | 295.836 | 66.146 | 348.963 | 535.427 | 257.815 | 454.174 | 382109.630 |
| σ | | 1.563 | 1.563 | 25.880 | 21.099 | 10.404 | 29.907 | 51.634 | 105.311 | 2405.677 |
| %RSD | | 33.333 | 33.333 | 8.748 | 31.897 | 2.981 | 5.586 | 20.028 | 23.187 | 0.630 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:18:27 | 411347.560 | 753.145 | 1520.393 | 459.382 | 368.755 | 989.097 | 386600.320 | 2178.291 |
| 2 | 16:19:35 | 414880.360 | 750.020 | 1903.252 | 565.636 | 484.383 | 1176.611 | 390120.670 | 2853.410 |
| 3 | 16:20:43 | 417777.030 | 725.018 | 1725.104 | 632.827 | 559.386 | 1281.308 | 387648.470 | 3414.471 |
| x | | 414668.320 | 742.728 | 1716.250 | 552.615 | 470.841 | 1149.005 | 388123.150 | 2815.391 |
| σ | | 3219.976 | 15.416 | 191.583 | 87.452 | 96.034 | 148.048 | 1807.541 | 618.966 |
| %RSD | | 0.777 | 2.076 | 11.163 | 15.825 | 20.396 | 12.885 | 0.466 | 21.985 |

**C1868-04LX5 MF3TA5L** 05/02/2011 04:25:12 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:26:20 | 13611.169 | 21.875 | 1926.692 | 345.317 | 17249812.000 | 1609371.400 | 211469.300 | 255670.700 | 2511.158 |
| 2 | 16:27:28 | 13479.794 | 17.708 | 1993.889 | 389.068 | 17600964.000 | 1630390.200 | 215751.370 | 261872.150 | 2361.133 |
| 3 | 16:28:37 | 14238.342 | 11.979 | 2042.334 | 381.255 | 17838668.000 | 1661126.900 | 220682.080 | 262446.610 | 1953.259 |
| x | | 13776.435 | 17.188 | 1987.638 | 371.880 | 17563148.000 | 1633629.500 | 215967.580 | 259996.480 | 2275.183 |
| σ | | 405.381 | 4.968 | 58.073 | 23.334 | 296243.820 | 26029.382 | 4610.195 | 3757.237 | 288.710 |
| %RSD | | 2.943 | 28.907 | 2.922 | 6.275 | 1.687 | 1.593 | 2.135 | 1.445 | 12.690 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:26:20 | 254535.060 | 848.463 | 39095.611 | 144959.880 | 415723.090 | 24002.961 | 398739.740 | 47883.239 | 39.063 |
| 2 | 16:27:28 | 262620.060 | 828.149 | 39769.342 | 150355.850 | 418542.710 | 24419.290 | 409754.300 | 49620.402 | 31.250 |
| 3 | 16:28:37 | 271336.960 | 873.464 | 39748.973 | 153100.390 | 422476.300 | 24798.067 | 413416.970 | 50423.206 | 31.250 |
| x | | 262830.700 | 850.025 | 39537.975 | 149472.040 | 418914.030 | 24406.773 | 407303.670 | 49308.949 | 33.854 |
| σ | | 8402.932 | 22.698 | 383.234 | 4141.597 | 3391.888 | 397.701 | 7639.336 | 1298.311 | 4.511 |
| %RSD | | 3.197 | 2.670 | 0.969 | 2.771 | 0.810 | 1.629 | 1.876 | 2.633 | 13.323 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:26:20 | 19134.681 | 3509.806 | 5019.632 | 2776.832 | 587.512 | 37438.055 | 3034.697 | 362.505 | 162.501 |
| 2 | 16:27:28 | 21017.011 | 3650.466 | 5496.370 | 2876.852 | 628.139 | 37187.401 | 3214.424 | 320.316 | 129.688 |
| 3 | 16:28:37 | 21786.913 | 3639.526 | 5926.229 | 2681.502 | 434.382 | 35846.480 | 3186.293 | 278.128 | 118.750 |
| x | | 20646.202 | 3599.933 | 5480.743 | 2778.395 | 550.011 | 36823.979 | 3145.138 | 320.316 | 136.980 |
| σ | | 1364.444 | 78.243 | 453.501 | 97.685 | 102.177 | 855.765 | 96.673 | 42.188 | 22.768 |
| %RSD | | 6.609 | 2.173 | 8.274 | 3.516 | 18.577 | 2.324 | 3.074 | 13.171 | 16.622 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:26:20 | 2351.756 | 1104.730 | 268.753 | 310.941 | 59.375 | 59.375 | 157.293 | 34.896 | 23.438 |
| 2 | 16:27:28 | 2262.679 | 1079.728 | 334.379 | 355.213 | 51.563 | 51.563 | 158.855 | 35.938 | 18.750 |
| 3 | 16:28:37 | 2295.497 | 1123.482 | 268.753 | 318.754 | 67.188 | 67.188 | 165.105 | 44.792 | 17.708 |
| x | | 2303.311 | 1102.647 | 290.628 | 328.302 | 59.375 | 59.375 | 160.418 | 38.542 | 19.965 |
| σ | | 45.050 | 21.951 | 37.889 | 23.630 | 7.813 | 7.813 | 4.134 | 5.438 | 3.052 |
| %RSD | | 1.956 | 1.991 | 13.037 | 7.198 | 13.158 | 13.158 | 2.577 | 14.109 | 15.286 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:26:20 | 303.128 | 156.251 | 235.939 | 121.876 | 287.503 | 0.000 | 132357.190 | 107.813 | 217.189 |
| 2 | 16:27:28 | 267.190 | 175.001 | 207.814 | 100.000 | 257.815 | 1.563 | 134836.470 | 103.125 | 175.001 |
| 3 | 16:28:37 | 170.314 | 131.251 | 164.063 | 96.875 | 192.189 | 1.563 | 137079.540 | 90.625 | 112.500 |
| x | | 246.877 | 154.168 | 202.606 | 106.250 | 245.836 | 1.042 | 134757.730 | 100.521 | 168.230 |
| σ | | 68.698 | 21.950 | 36.220 | 13.622 | 48.773 | 0.902 | 2362.157 | 8.885 | 52.672 |
| %RSD | | 27.827 | 14.237 | 17.877 | 12.820 | 19.840 | 86.603 | 1.753 | 8.839 | 31.309 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:26:20 | 10.938 | 10.938 | 220.314 | 76.563 | 289.065 | 292.190 | 1025.037 | 1829.805 | 370335.650 |
| 2 | 16:27:28 | 14.063 | 14.063 | 145.313 | 51.563 | 270.315 | 239.065 | 1098.480 | 1809.490 | 378007.720 |
| 3 | 16:28:37 | 3.125 | 3.125 | 110.938 | 39.063 | 231.252 | 201.564 | 943.781 | 1812.615 | 384701.640 |
| x | | 9.375 | 9.375 | 158.855 | 55.729 | 263.544 | 244.273 | 1022.433 | 1817.303 | 377681.670 |
| σ | | 5.634 | 5.634 | 55.931 | 19.094 | 29.496 | 45.537 | 77.382 | 10.939 | 7188.545 |
| %RSD | | 60.093 | 60.093 | 35.209 | 34.262 | 11.192 | 18.642 | 7.568 | 0.602 | 1.903 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:26:20 | 406217.930 | 695.329 | 1662.597 | 975.033 | 865.651 | 2148.599 | 373327.660 | 13443.823 |
| 2 | 16:27:28 | 413925.120 | 398.443 | 1039.100 | 870.339 | 793.772 | 1943.882 | 380605.020 | 13332.781 |
| 3 | 16:28:37 | 418951.300 | 317.191 | 806.273 | 743.769 | 765.646 | 1823.554 | 383385.720 | 13251.456 |
| x | | 413031.450 | 470.321 | 1169.323 | 863.047 | 808.356 | 1972.012 | 379106.130 | 13342.687 |
| σ | | 6413.554 | 199.053 | 442.765 | 115.804 | 51.573 | 164.338 | 5193.857 | 96.565 |
| %RSD | | 1.553 | 42.323 | 37.865 | 13.418 | 6.380 | 8.334 | 1.370 | 0.724 |

**C1868-04LX125 MF3TA5L** 05/02/2011 04:33:06 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:34:14 | 14427.594 | 11.458 | 495.321 | 237.502 | 3942810.800 | 366958.590 | 48384.925 | 57954.819 | 1440.698 |
| 2 | 16:35:22 | 14477.645 | 6.771 | 464.070 | 281.253 | 3916768.600 | 365634.490 | 47370.597 | 57559.475 | 1328.187 |
| 3 | 16:36:30 | 14257.111 | 7.813 | 467.195 | 254.690 | 3922113.700 | 363653.460 | 47992.981 | 57545.356 | 1037.538 |
| x | | 14387.450 | 8.681 | 475.529 | 257.815 | 3927231.000 | 365415.510 | 47916.168 | 57686.550 | 1268.807 |
| σ | | 115.618 | 2.461 | 17.212 | 22.042 | 13754.607 | 1663.410 | 511.508 | 232.435 | 208.036 |
| %RSD | | 0.804 | 28.355 | 3.619 | 8.550 | 0.350 | 0.455 | 1.068 | 0.403 | 16.396 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:34:14 | 57098.255 | 785.959 | 20067.209 | 81950.006 | 157333.510 | 5354.128 | 90388.174 | 52571.554 | 29.688 |
| 2 | 16:35:22 | 56894.319 | 867.214 | 19640.054 | 82974.645 | 154635.550 | 5527.632 | 88438.528 | 53045.175 | 15.625 |
| 3 | 16:36:30 | 57578.301 | 796.897 | 19813.731 | 83216.672 | 153664.210 | 5388.516 | 89682.183 | 52234.383 | 15.625 |
| x | | 57190.291 | 816.690 | 19840.331 | 82713.774 | 155211.090 | 5423.425 | 89502.962 | 52617.038 | 20.313 |
| σ | | 351.157 | 44.095 | 214.817 | 672.422 | 1901.154 | 91.869 | 987.102 | 407.305 | 8.119 |
| %RSD | | 0.614 | 5.399 | 1.083 | 0.813 | 1.225 | 1.694 | 1.103 | 0.774 | 39.970 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:34:14 | 6742.216 | 1145.358 | 1959.509 | 2659.623 | 328.129 | 34576.167 | 1581.338 | 143.751 | 56.250 |
| 2 | 16:35:22 | 6842.263 | 1134.420 | 1995.452 | 2534.600 | 312.503 | 34370.986 | 1540.708 | 126.563 | 46.875 |
| 3 | 16:36:30 | 6582.766 | 1128.170 | 1979.825 | 2437.708 | 245.315 | 32826.735 | 1484.452 | 81.250 | 62.500 |
| x | | 6722.415 | 1135.983 | 1978.262 | 2543.977 | 295.316 | 33924.629 | 1535.499 | 117.188 | 55.208 |
| σ | | 130.877 | 8.700 | 18.022 | 111.254 | 44.001 | 956.323 | 48.652 | 32.288 | 7.864 |
| %RSD | | 1.947 | 0.766 | 0.911 | 4.373 | 14.900 | 2.819 | 3.168 | 27.552 | 14.245 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:34:14 | 660.953 | 287.503 | 168.751 | 91.667 | 6.250 | 6.250 | 132.292 | 26.563 | 21.875 |
| 2 | 16:35:22 | 514.072 | 292.190 | 154.688 | 90.625 | 14.063 | 14.063 | 124.480 | 22.917 | 17.708 |
| 3 | 16:36:30 | 542.198 | 251.565 | 157.813 | 78.646 | 15.625 | 15.625 | 162.501 | 24.479 | 13.021 |
| x | | 572.407 | 277.086 | 160.418 | 86.979 | 11.979 | 11.979 | 139.758 | 24.653 | 17.535 |
| σ | | 77.961 | 22.226 | 7.384 | 7.236 | 5.023 | 5.023 | 20.080 | 1.829 | 4.430 |
| %RSD | | 13.620 | 8.021 | 4.603 | 8.319 | 41.929 | 41.929 | 14.368 | 7.419 | 25.262 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:34:14 | 64.063 | 71.875 | 68.750 | 39.063 | 104.688 | 0.000 | 144105.990 | 121.876 | 78.125 |
| 2 | 16:35:22 | 50.000 | 53.125 | 70.313 | 40.625 | 84.375 | 1.563 | 144732.590 | 106.250 | 56.250 |
| 3 | 16:36:30 | 50.000 | 46.875 | 51.563 | 35.938 | 64.063 | 1.563 | 144986.710 | 82.813 | 32.813 |
| x | | 54.688 | 57.292 | 63.542 | 38.542 | 84.375 | 1.042 | 144608.430 | 103.646 | 55.729 |
| σ | | 8.119 | 13.010 | 10.404 | 2.387 | 20.313 | 0.902 | 453.297 | 19.661 | 22.661 |
| %RSD | | 14.846 | 22.709 | 16.373 | 6.193 | 24.074 | 86.603 | 0.313 | 18.969 | 40.662 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:34:14 | 3.125 | 3.125 | 76.563 | 21.875 | 120.313 | 129.688 | 275.003 | 451.570 | 397796.800 |
| 2 | 16:35:22 | 3.125 | 3.125 | 35.938 | 18.750 | 125.001 | 132.813 | 257.815 | 453.132 | 397342.220 |
| 3 | 16:36:30 | 4.688 | 4.688 | 39.063 | 14.063 | 125.001 | 96.875 | 204.689 | 404.693 | 395888.630 |
| x | | 3.646 | 3.646 | 50.521 | 18.229 | 123.438 | 119.792 | 245.835 | 436.465 | 397009.220 |
| σ | | 0.902 | 0.902 | 22.607 | 3.932 | 2.706 | 19.908 | 36.656 | 27.526 | 996.720 |
| %RSD | | 24.744 | 24.744 | 44.748 | 21.571 | 2.192 | 16.619 | 14.911 | 6.307 | 0.251 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:34:14 | 428917.150 | 235.939 | 632.827 | 289.065 | 204.689 | 634.389 | 395915.930 | 3164.413 |
| 2 | 16:35:22 | 428921.980 | 203.126 | 465.633 | 260.940 | 251.565 | 510.947 | 402386.760 | 3089.397 |
| 3 | 16:36:30 | 426810.120 | 92.188 | 314.066 | 209.377 | 196.876 | 495.321 | 399178.300 | 2826.842 |
| x | | 428216.420 | 177.085 | 470.842 | 253.127 | 217.710 | 546.886 | 399160.330 | 3026.884 |
| σ | | 1217.890 | 75.331 | 159.444 | 40.415 | 29.578 | 76.182 | 3235.452 | 177.255 |
| %RSD | | 0.284 | 42.540 | 33.864 | 15.966 | 13.586 | 13.930 | 0.811 | 5.856 |

**CCV** 05/02/2011 04:41:00 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:42:08 | 13314.014 | 24335.293 | 4675.765 | 339.067 | 18108485.000 | 12238329.000 | 1652304.900 | 1961494.100 | 2792972.200 |
| 2 | 16:43:16 | 13875.485 | 24009.221 | 4730.471 | 307.816 | 18013829.000 | 12184156.000 | 1646492.500 | 1953388.400 | 2812105.000 |
| 3 | 16:44:24 | 13256.148 | 23972.180 | 4753.916 | 326.566 | 17932034.000 | 12086322.000 | 1640724.100 | 1943498.800 | 2754814.000 |
| x | | 13481.882 | 24105.565 | 4720.051 | 324.483 | 18018116.000 | 12169602.000 | 1646507.200 | 1952793.700 | 2786630.400 |
| σ | | 342.096 | 199.811 | 40.104 | 15.729 | 88303.384 | 77041.870 | 5790.439 | 9012.347 | 29167.273 |
| %RSD | | 2.537 | 0.829 | 0.850 | 4.847 | 0.490 | 0.633 | 0.352 | 0.462 | 1.047 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:42:08 | 26080.034 | 138840.170 | 13720.648 | 58833.399 | 8123300.200 | 40872.646 | 622395.680 | 48676.538 | 20211.162 |
| 2 | 16:43:16 | 25563.477 | 138179.120 | 13317.142 | 59357.435 | 7962819.800 | 42163.591 | 616677.410 | 48239.121 | 20187.691 |
| 3 | 16:44:24 | 26823.723 | 138272.200 | 13694.060 | 59523.750 | 8002262.600 | 41280.918 | 614536.490 | 48201.494 | 20034.351 |
| x | | 26155.745 | 138430.490 | 13577.283 | 59238.195 | 8029460.900 | 41439.052 | 617869.860 | 48372.384 | 20144.401 |
| σ | | 633.525 | 357.827 | 225.681 | 360.291 | 83625.910 | 659.841 | 4063.027 | 264.076 | 96.026 |
| %RSD | | 2.422 | 0.258 | 1.662 | 0.608 | 1.041 | 1.592 | 0.658 | 0.546 | 0.477 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:42:08 | 305898.200 | 297072.670 | 36054.816 | 1110524.300 | 835596.480 | 18757109.000 | 465519.820 | 352391.780 | 77580.397 |
| 2 | 16:43:16 | 305127.290 | 292409.170 | 36070.480 | 1110689.600 | 828892.670 | 18579261.000 | 463336.100 | 351884.190 | 76895.459 |
| 3 | 16:44:24 | 300204.310 | 289920.140 | 35602.120 | 1092702.100 | 830901.340 | 18545553.000 | 458405.020 | 348457.970 | 75913.666 |
| x | | 303743.260 | 293133.990 | 35909.139 | 1104638.700 | 831796.830 | 18627308.000 | 462420.320 | 350911.310 | 76796.508 |
| σ | | 3088.971 | 3630.934 | 266.001 | 10337.672 | 3440.448 | 113667.510 | 3644.735 | 2139.761 | 837.760 |
| %RSD | | 1.017 | 1.239 | 0.741 | 0.936 | 0.414 | 0.610 | 0.788 | 0.610 | 1.091 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:42:08 | 381416.870 | 183855.220 | 140575.770 | 54681.536 | 3492.614 | 3492.614 | 11906.001 | 4996.186 | 22.917 |
| 2 | 16:43:16 | 381835.650 | 184222.400 | 141031.790 | 54848.319 | 3712.983 | 3712.983 | 11699.059 | 4992.018 | 16.667 |
| 3 | 16:44:24 | 380815.200 | 181780.480 | 138748.660 | 54526.257 | 3625.460 | 3625.460 | 11760.568 | 5009.211 | 23.958 |
| x | | 381355.900 | 183286.040 | 140118.740 | 54685.371 | 3610.352 | 3610.352 | 11788.543 | 4999.138 | 21.181 |
| σ | | 512.951 | 1316.709 | 1208.234 | 161.066 | 110.958 | 110.958 | 106.269 | 8.969 | 3.944 |
| %RSD | | 0.135 | 0.718 | 0.862 | 0.295 | 3.073 | 3.073 | 0.901 | 0.179 | 18.619 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:42:08 | 92434.015 | 115107.190 | 129011.170 | 73077.057 | 191930.710 | 4.688 | 130677.780 | 8257.073 | 363605.090 |
| 2 | 16:43:16 | 91916.630 | 117649.650 | 130882.760 | 73117.890 | 193851.700 | 6.250 | 130561.090 | 8400.907 | 362845.520 |
| 3 | 16:44:24 | 91018.721 | 116559.520 | 130122.740 | 73446.130 | 191254.540 | 3.125 | 128446.740 | 8080.410 | 361552.410 |
| x | | 91789.789 | 116438.790 | 130005.560 | 73213.693 | 192345.650 | 4.688 | 129895.200 | 8246.130 | 362667.670 |
| σ | | 716.122 | 1275.523 | 941.285 | 202.330 | 1347.381 | 1.563 | 1255.761 | 160.529 | 1037.835 |
| %RSD | | 0.780 | 1.095 | 0.724 | 0.276 | 0.701 | 33.333 | 0.967 | 1.947 | 0.286 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:42:08 | 6209.162 | 6209.162 | 356483.630 | 92073.888 | 248475.080 | 354558.480 | 325758.210 | 581599.730 | 377813.620 |
| 2 | 16:43:16 | 6193.530 | 6193.530 | 357747.460 | 92138.364 | 248425.790 | 353464.680 | 324099.240 | 580296.750 | 374859.180 |
| 3 | 16:44:24 | 5957.492 | 5957.492 | 355601.110 | 90520.256 | 246735.950 | 352076.330 | 324439.650 | 577460.210 | 372835.360 |
| x | | 6120.061 | 6120.061 | 356610.730 | 91577.503 | 247878.940 | 353366.500 | 324765.700 | 579785.560 | 375169.390 |
| σ | | 141.006 | 141.006 | 1078.806 | 916.170 | 990.167 | 1243.981 | 876.231 | 2116.573 | 2503.585 |
| %RSD | | 2.304 | 2.304 | 0.303 | 1.000 | 0.399 | 0.352 | 0.270 | 0.365 | 0.667 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:42:08 | 410207.660 | 780387.510 | 1885611.000 | 624250.610 | 588866.650 | 1385143.700 | 372877.050 | 3672866.200 |
| 2 | 16:43:16 | 409236.650 | 780061.010 | 1886337.200 | 626441.910 | 589270.290 | 1386201.800 | 371052.330 | 3635785.100 |
| 3 | 16:44:24 | 407142.130 | 775963.860 | 1870845.700 | 618492.470 | 584214.160 | 1376331.200 | 371955.040 | 3619328.800 |
| x | | 408862.150 | 778804.130 | 1880931.300 | 623061.660 | 587450.370 | 1382558.900 | 371961.470 | 3642660.000 |
| σ | | 1566.707 | 2465.157 | 8741.973 | 4105.923 | 2809.892 | 5419.241 | 912.379 | 27422.848 |
| %RSD | | 0.383 | 0.317 | 0.465 | 0.659 | 0.478 | 0.392 | 0.245 | 0.753 |

**CCB** 05/02/2011 04:48:54 PM

User Pre-dilution: 1.00

| Run | Time | 6Li | 9Be | 10B | 13C | 23Na | 24Mg | 25Mg | 26Mg | 27Al |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:50:02 | 13612.733 | 13.542 | 62.500 | 239.065 | 131109.830 | 7150.227 | 1000.035 | 1157.859 | 1428.196 |
| 2 | 16:51:10 | 13853.589 | 15.104 | 100.000 | 196.876 | 127877.610 | 7229.954 | 1007.848 | 1181.299 | 1370.378 |
| 3 | 16:52:18 | 14097.578 | 10.417 | 79.688 | 248.440 | 122307.270 | 5332.245 | 754.707 | 878.152 | 1082.853 |
| x | | 13854.633 | 13.021 | 80.729 | 228.127 | 127098.240 | 6570.809 | 920.864 | 1072.437 | 1293.809 |
| σ | | 242.424 | 2.387 | 18.772 | 27.467 | 4452.732 | 1073.368 | 143.948 | 168.663 | 184.966 |
| %RSD | | 1.750 | 18.330 | 23.253 | 12.040 | 3.503 | 16.335 | 15.632 | 15.727 | 14.296 |

| Run | Time | 28Si | 31P | 34S | 37Cl | 39K | 43Ca | 44Ca | 45Sc | 47Ti |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:50:02 | 490.633 | 762.520 | 13870.793 | 60361.630 | 84643.769 | 35.938 | 875.027 | 49951.240 | 32.813 |
| 2 | 16:51:10 | 515.634 | 789.084 | 13529.841 | 60791.572 | 82278.448 | 23.438 | 912.529 | 49023.032 | 26.563 |
| 3 | 16:52:18 | 415.631 | 845.338 | 13801.977 | 60584.445 | 80443.040 | 14.063 | 671.891 | 49557.685 | 25.000 |
| x | | 473.966 | 798.981 | 13734.204 | 60579.215 | 82455.086 | 24.479 | 819.816 | 49510.652 | 28.125 |
| σ | | 52.043 | 42.286 | 180.297 | 215.019 | 2105.928 | 10.975 | 129.472 | 465.887 | 4.134 |
| %RSD | | 10.980 | 5.293 | 1.313 | 0.355 | 2.554 | 44.833 | 15.793 | 0.941 | 14.699 |

| Run | Time | 51V | 52Cr | 53Cl O | 54Fe | 55Mn | 56Fe | 57Fe | 59Co | 60Ni |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:50:02 | 2068.900 | 295.316 | 623.451 | 2608.051 | 515.634 | 32640.371 | 1318.811 | 175.001 | 60.938 |
| 2 | 16:51:10 | 2142.348 | 312.503 | 653.140 | 2754.953 | 487.508 | 32430.519 | 1321.936 | 160.938 | 62.500 |
| 3 | 16:52:18 | 2070.463 | 287.503 | 717.206 | 2440.834 | 396.881 | 31376.607 | 1282.870 | 142.188 | 56.250 |
| x | | 2093.903 | 298.441 | 664.599 | 2601.279 | 466.674 | 32149.166 | 1307.872 | 159.376 | 59.896 |
| σ | | 41.962 | 12.790 | 47.916 | 157.169 | 62.058 | 677.233 | 21.709 | 16.462 | 3.253 |
| %RSD | | 2.004 | 4.286 | 7.210 | 6.042 | 13.298 | 2.107 | 1.660 | 10.329 | 5.430 |

| Run | Time | 63Cu | 65Cu | 66Zn | 75As | 77Se | 77Ar Cl | 78Se | 82Se | 83Kr |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:50:02 | 251.565 | 95.313 | 118.750 | 59.375 | 6.250 | 6.250 | 118.230 | 15.625 | 23.438 |
| 2 | 16:51:10 | 250.002 | 110.938 | 110.938 | 52.083 | 10.938 | 10.938 | 121.355 | 15.104 | 15.104 |
| 3 | 16:52:18 | 192.189 | 73.438 | 117.188 | 40.104 | 3.125 | 3.125 | 108.855 | 20.313 | 19.271 |
| x | | 231.252 | 93.229 | 115.625 | 50.521 | 6.771 | 6.771 | 116.146 | 17.014 | 19.271 |
| σ | | 33.839 | 18.837 | 4.134 | 9.730 | 3.932 | 3.932 | 6.505 | 2.869 | 4.167 |
| %RSD | | 14.633 | 20.205 | 3.575 | 19.259 | 58.076 | 58.076 | 5.601 | 16.860 | 21.622 |

| Run | Time | 94Mo | 95Mo | 96Mo | 97Mo | 98Mo | 99Ru | 103Rh | 106Cd | 107Ag |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:50:02 | 243.752 | 370.317 | 403.131 | 212.502 | 639.077 | 4.688 | 138090.770 | 110.938 | 198.439 |
| 2 | 16:51:10 | 156.251 | 289.065 | 317.191 | 139.063 | 460.945 | 1.563 | 137167.880 | 87.500 | 154.688 |
| 3 | 16:52:18 | 129.688 | 207.814 | 185.939 | 128.126 | 306.253 | 3.125 | 139761.590 | 87.500 | 134.376 |
| x | | 176.564 | 289.066 | 302.087 | 159.897 | 468.758 | 3.125 | 138340.080 | 95.313 | 162.501 |
| σ | | 59.683 | 81.252 | 109.381 | 45.884 | 166.549 | 1.563 | 1314.704 | 13.532 | 32.738 |
| %RSD | | 33.803 | 28.108 | 36.208 | 28.696 | 35.530 | 50.000 | 0.950 | 14.197 | 20.147 |

| Run | Time | 108Mo O | 108Cd | 109Ag | 111Cd | 118Sn | 121Sb | 135Ba | 137Ba | 159Tb |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:50:02 | 6.250 | 6.250 | 229.689 | 42.188 | 350.004 | 543.760 | 178.126 | 300.003 | 378636.540 |
| 2 | 16:51:10 | 1.563 | 1.563 | 170.314 | 46.875 | 304.691 | 501.571 | 150.001 | 292.190 | 381181.010 |
| 3 | 16:52:18 | 4.688 | 4.688 | 103.125 | 31.250 | 215.627 | 351.567 | 131.251 | 234.377 | 381992.890 |
| x | | 4.167 | 4.167 | 167.709 | 40.104 | 290.107 | 465.633 | 153.126 | 275.524 | 380603.480 |
| σ | | 2.387 | 2.387 | 63.322 | 8.018 | 68.366 | 101.011 | 23.593 | 35.847 | 1751.121 |
| %RSD | | 57.282 | 57.282 | 37.757 | 19.993 | 23.566 | 21.693 | 15.408 | 13.011 | 0.460 |

| Run | Time | 165Ho | 203Tl | 205Tl | 206Pb | 207Pb | 208Pb | 209Bi | 238U |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:50:02 | 411796.150 | 656.265 | 1603.215 | 421.881 | 387.505 | 828.149 | 385531.380 | 1564.148 |
| 2 | 16:51:10 | 411389.360 | 489.071 | 1190.675 | 279.690 | 292.190 | 740.644 | 390294.060 | 1709.477 |
| 3 | 16:52:18 | 418110.000 | 379.693 | 782.834 | 259.377 | 239.065 | 581.262 | 392196.680 | 1240.679 |
| x | | 413765.170 | 508.343 | 1192.241 | 320.316 | 306.253 | 716.685 | 389340.700 | 1504.768 |
| σ | | 3768.226 | 139.290 | 410.193 | 88.542 | 75.213 | 125.175 | 3433.395 | 239.974 |
| %RSD | | 0.911 | 27.401 | 34.405 | 27.642 | 24.559 | 17.466 | 0.882 | 15.948 |

## Performance Report

**Sample details**
Sample name : TUNE
Acquired at : 04/30/2011 11:08:27 PM
Report name : ISM01.2 [03/09/2010 11:16:01 AM]

### Mass Calibration verification

**Acquisition parameters**
Sweeps : 20
Dwell : 3.0 mSecs
Point spacing : 0.05 amu
Peak width measured at 5% of the peak maximum

CHEMTECH 284 Sheffield Street Mountainside, NJ 07092

# ICP-MS (P6) ANALYSIS RUN LOG

METHOD: ISM01.2/~~6020/200.8~~ 05/01/11 PROJECT No: C1867, C1868, C1881

RUN ID: LB54835 DATE: 04/30/2011 ANALYST: SJASWAL SUPERVISOR REVIEW: [illegible]

| QC/SAMPLE ID | STANDARD SOURCE | STD. REF. No. from Prep. Log | PREP DATE | EXPIRATION DATE | COMMENTS |
|---|---|---|---|---|---|
| TUNE | INORGANIC VENTURES | MP6679 | 04/28/2011 | 05/12/2011 | |
| S0 | ———— | MP6663 | 04/28/2011 | 05/12/2011 | |
| S1 | INORGANIC VENTURES | MP6703 | 05/01/2011 | 05/12/2011 | |
| S2 | INORGANIC VENTURES | MP6699 | 05/01/2011 | 05/12/2011 | |
| S3 | INORGANIC VENTURES | MP6698 | 05/01/2011 | 05/12/2011 | |
| S4 | INORGANIC VENTURES | MP6697 | 05/01/2011 | 05/12/2011 | |
| S5 | INORGANIC VENTURES | MP6696 | 05/01/2011 | 05/12/2011 | |
| ICV | EPA ICV-1(0307) | MP6687 | 04/28/2011 | 05/12/2011 | |
| ICB | ———— | MP6663 | 04/28/2011 | 05/12/2011 | |
| ICSA | EPA ICSA(0803 | MP6682 | 04/28/2011 | 05/12/2011 | |
| ICSAB | EPA ICSA(0803)+ ICSB(0803) | MP6683 | 04/28/2011 | 05/12/2011 | |
| ICSAX10 | ———— | MP6684 | 04/28/2011 | 05/12/2011 | |
| ICSABX10 | ———— | MP6685 | 04/28/2011 | 05/12/2011 | |
| CCV | INORGANIC VENTURES | MP6700 | 05/01/2011 | 05/12/2011 | |
| CCB | ———— | MP6663 | 04/28/2011 | 05/12/2011 | |

| COMMENTS | SOURCE | INTERNAL STANDARD REF. NO. FROM PREP LOG, PREPARATION DATE AND EXPIRATION DATE |
|---|---|---|
| INTERNAL STANDARD SOURCE | INORGANIC VENTURES | INTERNAL STANDARD USED FOR THIS RUN:MP6669 |
| | | INTERNAL STANDARD PREPARATION DATE: 05/01/2011 |
| | | INTERNAL STANDARD EXPIRATION DATE: 05/15/2011 |
| LCSW SOURCE | INORGANIC VENTURES | |
| ~~LCSS SOURCE~~ | ~~INORGANIC VENTURES~~ | |

ANALYSIS START TIME: 11:08 PM DATE: 04/30/11 ANALYSIS END TIME: ~~02:30 AM~~ 04:48 PM DATE: 05/02/11

Document Control # A3040152
Rev 1/2003

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 55Mn | Yes | 0.95 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 54Fe | Yes | 0.96 | Fully-Quantified | Linear | None | Through Blank | Yes | |
| 56Fe | Yes | 0.96 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 57Fe | Yes | 0.96 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 59Co | Yes | 0.93 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 60Ni | Yes | 0.91 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 61Ni | Yes | 0.91 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 62Ni | Yes | 0.91 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 63Cu | Yes | 0.90 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 65Cu | Yes | 0.90 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 66Zn | Yes | 0.38 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 67Zn | Yes | 0.38 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 68Zn | Yes | 0.38 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 75As | Yes | 0.07 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 77Se | Yes | 0.10 | Fully-Quantified | Linear | None | Through Blank | Yes | |
| 78Se | Yes | 0.10 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 82Se | Yes | 0.10 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 83Kr | Yes | 0.01 | Semi-Quantified | | | | No | |
| 86Sr | Yes | 0.96 | Semi-Quantified | | | | No | |
| 88Sr | Yes | 0.96 | Semi-Quantified | | | | No | |
| 94Mo | Yes | 0.98 | Fully-Quantified | Linear | None | Through Blank | Yes | |
| 95Mo | Yes | 0.98 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 96Mo | Yes | 0.98 | Fully-Quantified | Linear | None | Through Blank | Yes | |
| 97Mo | Yes | 0.98 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 98Mo | Yes | 0.98 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 99Ru | Yes | 0.96 | Semi-Quantified | | | | No | |
| 103Rh | Yes | 0.94 | None | | | | No | |
| 105Pd | Yes | 0.93 | Semi-Quantified | | | | No | |
| 107Ag | Yes | 0.93 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 109Ag | Yes | 0.93 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 106Cd | Yes | 0.57 | Fully-Quantified | Linear | None | Through Blank | Yes | |
| 108Cd | Yes | 0.57 | Fully-Quantified | Linear | None | Through Blank | Yes | |
| 111Cd | Yes | 0.57 | Fully-Quantified | Linear | None | Through Blank | Yes | |
| 115In | Yes | 0.99 | None | | | | No | |
| 118Sn | Yes | 0.96 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 121Sb | Yes | 0.39 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 125Te | Yes | 0.33 | None | | | | No | |
| 135Ba | Yes | 0.91 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 137Ba | Yes | 0.91 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 159Tb | Yes | 0.99 | None | | | | No | |
| 165Ho | Yes | 1.00 | None | | | | No | |
| 203Tl | Yes | 1.00 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 206Pb | Yes | 0.97 | Fully-Quantified | Linear | None | Through Blank | Yes | |
| 207Pb | Yes | 0.97 | Fully-Quantified | Linear | None | Through Blank | Yes | |
| 208Pb | Yes | 0.97 | Fully-Quantified | Linear | None | Through Blank | Yes | |
| 209Bi | Yes | 0.92 | None | | | | No | |
| 232Th | Yes | 1.00 | Fully-Quantified | Linear | None | Through Blank | Yes | |
| 238U | Yes | 1.00 | Fully-Quantified | Linear | None | Through Blank | Yes | |
| 205Tl | Yes | 1.00 | Fully-Quantified | Linear | None | Through Blank | Yes | 0.995000 |
| 77Ar Cl | Yes | | Semi-Quantified | | | | No | |
| 137Ba++ | Yes | | Semi-Quantified | | | | No | |
| 53Cl O | Yes | | Semi-Quantified | | | | No | |
| 108Mo O | Yes | | Semi-Quantified | | | | No | |

## Sample List

| No | Label | Type | Weight | Rack | Row | Col | Height |
|---|---|---|---|---|---|---|---|
| 1 | TUNE | Instrument Setup | 1.000 | 2 | 1 | 1 | 144 |
| 2 | S0 (S0) | Blank | 1.000 | 1 | 1 | 1 | 144 |
| 3 | S1 (S) | Fully Quant Standard | 1.000 | 1 | 1 | 2 | 144 |
| 4 | S2 (S) | Fully Quant Standard | 1.000 | 1 | 1 | 3 | 144 |
| 5 | S3 (S) | Fully Quant Standard | 1.000 | 1 | 1 | 4 | 144 |
| 6 | S4 (S) | Fully Quant Standard | 1.000 | 1 | 1 | 5 | 144 |
| 7 | S5 (S) | Fully Quant Standard | 1.000 | 1 | 1 | 6 | 144 |
| 8 | ICV | Unknown | 1.000 | 1 | 1 | 7 | 144 |
| 9 | ICB | Unknown | 1.000 | 1 | 1 | 8 | 144 |
| 10 | ICSA | Unknown | 1.000 | 1 | 1 | 9 | 144 |
| 11 | ICSAB | Unknown | 1.000 | 1 | 1 | 10 | 144 |
| 12 | ICSAX10 | Unknown | 1.000 | 1 | 1 | 11 | 144 |
| 13 | ICSABX10 | Unknown | 1.000 | 1 | 1 | 12 | 144 |
| 14 | CCV | Unknown | 1.000 | 1 | 2 | 1 | 144 |
| 15 | CCB | Unknown | 1.000 | 1 | 2 | 2 | 144 |
| 16 | ZZZZZZ | Unknown | 1.000 | 1 | 2 | 3 | 144 |
| 17 | PB54699BL PBW | Unknown | 1.000 | 1 | 2 | 4 | 144 |
| 18 | PB54700BL PBW | Unknown | 1.000 | 1 | 2 | 5 | 144 |
| 19 | PB54788BL PBW | Unknown | 1.000 | 1 | 2 | 6 | 144 |
| 20 | PB54699BS LCSW | Unknown | 1.000 | 1 | 2 | 7 | 144 |
| 21 | PB54700BS LCSW | Unknown | 1.000 | 1 | 2 | 8 | 144 |

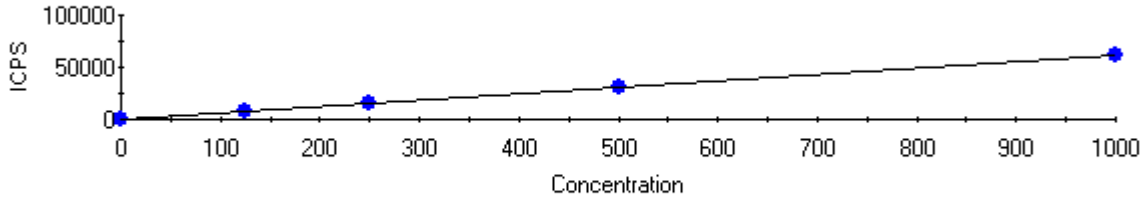
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 22 | PB54788BS LCSW | Unknown | 1.000 | 1 | 2 | 9 | 144 |
| 23 | ZZZZZZ | Unknown | 1.000 | 1 | 2 | 10 | 144 |
| 24 | PB54791BL PBW | Unknown | 1.000 | 1 | 2 | 11 | 144 |
| 25 | PB54791BS LCSW | Unknown | 1.000 | 1 | 2 | 12 | 144 |
| 26 | CCV | Unknown | 1.000 | 1 | 3 | 1 | 144 |
| 27 | CCB | Unknown | 1.000 | 1 | 3 | 2 | 144 |
| 28 | C1867-01 MF3T55 | Unknown | 1.000 | 1 | 3 | 3 | 144 |
| 29 | C1867-02 MF3T57 | Unknown | 1.000 | 1 | 3 | 4 | 144 |
| 30 | C1867-03 MF3T59 | Unknown | 1.000 | 1 | 3 | 5 | 144 |
| 31 | C1867-04 MF3T74 | Unknown | 1.000 | 1 | 3 | 6 | 144 |
| 32 | C1867-05 MF3T75 | Unknown | 1.000 | 1 | 3 | 7 | 144 |
| 33 | C1867-01X25 MF3T55 | Unknown | 1.000 | 1 | 3 | 8 | 144 |
| 34 | C1867-02X25 MF3T57 | Unknown | 1.000 | 1 | 3 | 9 | 144 |
| 35 | C1867-03X25 MF3T559 | Unknown | 1.000 | 1 | 3 | 10 | 144 |
| 36 | C1867-04X25 MF3T74 | Unknown | 1.000 | 1 | 3 | 11 | 144 |
| 37 | C1867-05X25 MF3T75 | Unknown | 1.000 | 1 | 3 | 12 | 144 |
| 38 | CCV | Unknown | 1.000 | 1 | 4 | 1 | 144 |
| 39 | CCB | Unknown | 1.000 | 1 | 4 | 2 | 144 |
| 40 | C1867-06 MF3T84 | Unknown | 1.000 | 1 | 4 | 3 | 144 |
| 41 | C1867-07 MF3T91 | Unknown | 1.000 | 1 | 4 | 4 | 144 |
| 42 | C1867-08 MF3TC2 | Unknown | 1.000 | 1 | 4 | 5 | 144 |
| 43 | C1867-09 MF3T58 | Unknown | 1.000 | 1 | 4 | 6 | 144 |
| 44 | C1867-10 MF3T87 | Unknown | 1.000 | 1 | 4 | 7 | 144 |
| 45 | C1867-06X25 MF3T84 | Unknown | 1.000 | 1 | 4 | 8 | 144 |
| 46 | C1867-07X25 MF3T91 | Unknown | 1.000 | 1 | 4 | 9 | 144 |
| 47 | C1867-08X25 MF3TC2 | Unknown | 1.000 | 1 | 4 | 10 | 144 |
| 48 | C1867-09X25 MF3T58 | Unknown | 1.000 | 1 | 4 | 11 | 144 |
| 49 | C1867-10X25 MF3T87 | Unknown | 1.000 | 1 | 4 | 12 | 144 |
| 50 | CCV | Unknown | 1.000 | 1 | 5 | 1 | 144 |
| 51 | CCB | Unknown | 1.000 | 1 | 5 | 2 | 144 |
| 52 | C1867-11 MF3T88 | Unknown | 1.000 | 1 | 5 | 3 | 144 |
| 53 | C1867-12 MF3T89 | Unknown | 1.000 | 1 | 5 | 4 | 144 |
| 54 | C1867-13 MF3T90 | Unknown | 1.000 | 1 | 5 | 5 | 144 |
| 55 | C1867-14 MF3TA8 | Unknown | 1.000 | 1 | 5 | 6 | 144 |
| 56 | C1867-15 MF3TA9 | Unknown | 1.000 | 1 | 5 | 7 | 144 |
| 57 | C1867-11X25 MF3T88 | Unknown | 1.000 | 1 | 5 | 8 | 144 |
| 58 | C1867-12X25 MF3T89 | Unknown | 1.000 | 1 | 5 | 9 | 144 |
| 59 | C1867-13X25 MF3T90 | Unknown | 1.000 | 1 | 5 | 10 | 144 |
| 60 | C1867-14X25 MF3TA8 | Unknown | 1.000 | 1 | 5 | 11 | 144 |
| 61 | C1867-15X25 MF3TA9 | Unknown | 1.000 | 1 | 5 | 12 | 144 |
| 62 | CCV | Unknown | 1.000 | 2 | 1 | 1 | 144 |
| 63 | CCB | Unknown | 1.000 | 2 | 1 | 2 | 144 |
| 64 | C1867-16 MF3TD0 | Unknown | 1.000 | 2 | 1 | 3 | 144 |
| 65 | C1867-17 MF3T78 | Unknown | 1.000 | 2 | 1 | 4 | 144 |
| 66 | C1867-18 MF3T93 | Unknown | 1.000 | 2 | 1 | 5 | 144 |
| 67 | C1867-19 MF3T93D | Unknown | 1.000 | 2 | 1 | 6 | 144 |
| 68 | C1867-18LX5 MF3T93L | Unknown | 1.000 | 2 | 1 | 7 | 144 |
| 69 | C1867-16X25 MF3TD0 | Unknown | 1.000 | 2 | 1 | 8 | 144 |
| 70 | C1867-17X25 MF3T78 | Unknown | 1.000 | 2 | 1 | 9 | 144 |
| 71 | C1867-18X25 MF3T93 | Unknown | 1.000 | 2 | 1 | 10 | 144 |
| 72 | C1867-19X25 MF3T93D | Unknown | 1.000 | 2 | 1 | 11 | 144 |
| 73 | C1867-18LX125 MF3T93L | Unknown | 1.000 | 2 | 1 | 12 | 144 |
| 74 | CCV | Unknown | 1.000 | 2 | 2 | 1 | 144 |
| 75 | CCB | Unknown | 1.000 | 2 | 2 | 2 | 144 |
| 76 | C1867-20 MF3T93S | Unknown | 1.000 | 2 | 2 | 3 | 144 |
| 77 | C1867-20X25 MF3T93S | Unknown | 1.000 | 2 | 2 | 4 | 144 |
| 78 | C1867-21 MF3T94 | Unknown | 1.000 | 2 | 2 | 5 | 144 |
| 79 | C1867-22 MF3TB0 | Unknown | 1.000 | 2 | 2 | 6 | 144 |
| 80 | C1867-21X25 MF3T94 | Unknown | 1.000 | 2 | 2 | 7 | 144 |
| 81 | C1867-22X25 MF3TB0 | Unknown | 1.000 | 2 | 2 | 8 | 144 |
| 82 | C1868-01 MF3T76 | Unknown | 1.000 | 2 | 2 | 9 | 144 |
| 83 | C1868-02 MF3T79 | Unknown | 1.000 | 2 | 2 | 10 | 144 |
| 84 | C1868-01X25 MF3T76 | Unknown | 1.000 | 2 | 2 | 11 | 144 |
| 85 | C1868-02X25 MF3T79 | Unknown | 1.000 | 2 | 2 | 12 | 144 |
| 86 | CCV | Unknown | 1.000 | 2 | 3 | 1 | 144 |
| 87 | CCB | Unknown | 1.000 | 2 | 3 | 2 | 144 |
| 88 | C1868-03 MF3T92 | Unknown | 1.000 | 2 | 3 | 3 | 144 |
| 89 | C1868-06 MF3TA5S | Unknown | 1.000 | 2 | 3 | 4 | 144 |
| 90 | C1868-04 MF3TA5 | Unknown | 1.000 | 2 | 3 | 5 | 144 |
| 91 | C1868-05 MF3TA5D | Unknown | 1.000 | 2 | 3 | 6 | 144 |
| 92 | ZZZZZZ | Unknown | 1.000 | 2 | 3 | 7 | 144 |
| 93 | C1868-03X25 MF3T92 | Unknown | 1.000 | 2 | 3 | 8 | 144 |
| 94 | C1868-06X25 MF3TA5S | Unknown | 1.000 | 2 | 3 | 9 | 144 |
| 95 | C1868-04X25 MF3TA5 | Unknown | 1.000 | 2 | 3 | 10 | 144 |
| 96 | C1868-05X25 MF3TA5D | Unknown | 1.000 | 2 | 3 | 11 | 144 |
| 97 | ZZZZZZ | Unknown | 1.000 | 2 | 3 | 12 | 144 |
| 98 | CCV | Unknown | 1.000 | 2 | 4 | 1 | 144 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 99 | CCB | Unknown | 1.000 | 2 | 4 | 2 | 144 |
| 100 | C1868-07 MF3TA6 | Unknown | 1.000 | 2 | 4 | 3 | 144 |
| 101 | C1868-08 MF3TC4 | Unknown | 1.000 | 2 | 4 | 4 | 144 |
| 102 | C1868-09 MF3TD2 | Unknown | 1.000 | 2 | 4 | 5 | 144 |
| 103 | C1868-10 MF3TD1 | Unknown | 1.000 | 2 | 4 | 6 | 144 |
| 104 | C1868-11 MF3TD8 | Unknown | 1.000 | 2 | 4 | 7 | 144 |
| 105 | C1868-07X25 MF3TA6 | Unknown | 1.000 | 2 | 4 | 8 | 144 |
| 106 | C1868-08X25 MF3TC4 | Unknown | 1.000 | 2 | 4 | 9 | 144 |
| 107 | C1868-09X25 MF3TD2 | Unknown | 1.000 | 2 | 4 | 10 | 144 |
| 108 | C1868-10X25 MF3TD1 | Unknown | 1.000 | 2 | 4 | 11 | 144 |
| 109 | C1868-11X25 MF3TD8 | Unknown | 1.000 | 2 | 4 | 12 | 144 |
| 110 | CCV | Unknown | 1.000 | 2 | 5 | 1 | 144 |
| 111 | CCB | Unknown | 1.000 | 2 | 5 | 2 | 144 |
| 112 | C1868-12 MF3TE0 | Unknown | 1.000 | 2 | 5 | 3 | 144 |
| 113 | C1868-13 MF3T97 | Unknown | 1.000 | 2 | 5 | 4 | 144 |
| 114 | C1868-14 MF3T99 | Unknown | 1.000 | 2 | 5 | 5 | 144 |
| 115 | C1868-15 MF3TA0 | Unknown | 1.000 | 2 | 5 | 6 | 144 |
| 116 | C1868-16 MF3TA1 | Unknown | 1.000 | 2 | 5 | 7 | 144 |
| 117 | C1868-12X25 MF3TE0 | Unknown | 1.000 | 2 | 5 | 8 | 144 |
| 118 | C1868-13X25 MF3T97 | Unknown | 1.000 | 2 | 5 | 9 | 144 |
| 119 | C1868-14X25 MF3T99 | Unknown | 1.000 | 2 | 5 | 10 | 144 |
| 120 | C1868-15X25 MF3TA0 | Unknown | 1.000 | 2 | 5 | 11 | 144 |
| 121 | C1868-16X25 MF3TA1 | Unknown | 1.000 | 2 | 5 | 12 | 144 |
| 122 | CCV | Unknown | 1.000 | 3 | 1 | 1 | 144 |
| 123 | CCB | Unknown | 1.000 | 3 | 1 | 2 | 144 |
| 124 | C1868-17 MF3TA3 | Unknown | 1.000 | 3 | 1 | 3 | 144 |
| 125 | C1868-18 MF3TE6 | Unknown | 1.000 | 3 | 1 | 4 | 144 |
| 126 | C1868-19 MF3TE9 | Unknown | 1.000 | 3 | 1 | 5 | 144 |
| 127 | C1868-20 MF3TF0 | Unknown | 1.000 | 3 | 1 | 6 | 144 |
| 128 | C1868-17X25 MF3TA3 | Unknown | 1.000 | 3 | 1 | 7 | 144 |
| 129 | C1868-18X25 MF3TE6 | Unknown | 1.000 | 3 | 1 | 8 | 144 |
| 130 | C1868-19X25 MF3TE9 | Unknown | 1.000 | 3 | 1 | 9 | 144 |
| 131 | C1868-20X25 MF3TF0 | Unknown | 1.000 | 3 | 1 | 10 | 144 |
| 132 | C1881-01 MF3T77 | Unknown | 1.000 | 3 | 1 | 11 | 144 |
| 133 | C1881-01X25 MF3T77 | Unknown | 1.000 | 3 | 1 | 12 | 144 |
| 134 | CCV | Unknown | 1.000 | 3 | 2 | 1 | 144 |
| 135 | CCB | Unknown | 1.000 | 3 | 2 | 2 | 144 |
| 136 | C1881-02 MF3T80 | Unknown | 1.000 | 3 | 2 | 3 | 144 |
| 137 | C1881-03 MF3T80D | Unknown | 1.000 | 3 | 2 | 4 | 144 |
| 138 | C1881-04 MF3T80S | Unknown | 1.000 | 3 | 2 | 5 | 144 |
| 139 | C1881-02LX5 MF3T80L | Unknown | 1.000 | 3 | 2 | 6 | 144 |
| 140 | C1881-05 MF3TA7 | Unknown | 1.000 | 3 | 2 | 7 | 144 |
| 141 | C1881-02X25 MF3T80 | Unknown | 1.000 | 3 | 2 | 8 | 144 |
| 142 | C1881-03X25 MF3T80D | Unknown | 1.000 | 3 | 2 | 9 | 144 |
| 143 | C1881-04X25 MF3T80S | Unknown | 1.000 | 3 | 2 | 10 | 144 |
| 144 | C1881-02LX125 MF3T80L | Unknown | 1.000 | 3 | 2 | 11 | 144 |
| 145 | C1881-05X25 MF3TA7 | Unknown | 1.000 | 3 | 2 | 12 | 144 |
| 146 | CCV | Unknown | 1.000 | 3 | 3 | 1 | 144 |
| 147 | CCB | Unknown | 1.000 | 3 | 3 | 2 | 144 |
| 148 | C1881-06 MF3TC9 | Unknown | 1.000 | 3 | 3 | 3 | 144 |
| 149 | C1881-07 MF3TD7 | Unknown | 1.000 | 3 | 3 | 4 | 144 |
| 150 | C1881-08 MF3TE2 | Unknown | 1.000 | 3 | 3 | 5 | 144 |
| 151 | C1881-09 MF3TE3 | Unknown | 1.000 | 3 | 3 | 6 | 144 |
| 152 | C1881-10 MF3TE4 | Unknown | 1.000 | 3 | 3 | 7 | 144 |
| 153 | C1881-06X25 MF3TC9 | Unknown | 1.000 | 3 | 3 | 8 | 144 |
| 154 | C1881-07X25 MF3TD7 | Unknown | 1.000 | 3 | 3 | 9 | 144 |
| 155 | C1881-08X25 MF3TE2 | Unknown | 1.000 | 3 | 3 | 10 | 144 |
| 156 | C1881-09X25 MF3TE3 | Unknown | 1.000 | 3 | 3 | 11 | 144 |
| 157 | C1881-10X25 MF3TE4 | Unknown | 1.000 | 3 | 3 | 12 | 144 |
| 158 | CCV | Unknown | 1.000 | 3 | 4 | 1 | 144 |
| 159 | CCB | Unknown | 1.000 | 3 | 4 | 2 | 144 |
| 160 | C1881-11 MF3T95 | Unknown | 1.000 | 3 | 4 | 3 | 144 |
| 161 | C1881-12 MF3T96 | Unknown | 1.000 | 3 | 4 | 4 | 144 |
| 162 | C1881-13 MF3TB3 | Unknown | 1.000 | 3 | 4 | 5 | 144 |
| 163 | C1881-14 MF3TB4 | Unknown | 1.000 | 3 | 4 | 6 | 144 |
| 164 | C1881-15 MF3TB5 | Unknown | 1.000 | 3 | 4 | 7 | 144 |
| 165 | C1881-11X25 MF3T95 | Unknown | 1.000 | 3 | 4 | 8 | 144 |
| 166 | C1881-12X25 MF3T96 | Unknown | 1.000 | 3 | 4 | 9 | 144 |
| 167 | C1881-13X25 MF3TB3 | Unknown | 1.000 | 3 | 4 | 10 | 144 |
| 168 | C1881-14X25 MF3TB4 | Unknown | 1.000 | 3 | 4 | 11 | 144 |
| 169 | C1881-15X25 MF3TB5 | Unknown | 1.000 | 3 | 4 | 12 | 144 |
| 170 | CCV | Unknown | 1.000 | 3 | 5 | 1 | 144 |
| 171 | CCB | Unknown | 1.000 | 3 | 5 | 2 | 144 |
| 172 | C1881-16 MF3TB6 | Unknown | 1.000 | 3 | 5 | 3 | 144 |
| 173 | C1881-17 MF3TB7 | Unknown | 1.000 | 3 | 5 | 4 | 144 |
| 174 | C1881-18 MF3TD9 | Unknown | 1.000 | 3 | 5 | 5 | 144 |
| 175 | C1881-19 MF3TA2 | Unknown | 1.000 | 3 | 5 | 6 | 144 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 176 | C1881-20 MF3TC3 | Unknown | 1.000 | 3 | 5 | 7 | 144 |
| 177 | C1881-16X25 MF3TB6 | Unknown | 1.000 | 3 | 5 | 8 | 144 |
| 178 | C1881-17X25 MF3TB7 | Unknown | 1.000 | 3 | 5 | 9 | 144 |
| 179 | C1881-18X25 MF3TD9 | Unknown | 1.000 | 3 | 5 | 10 | 144 |
| 180 | C1881-19X25 MF3TA2 | Unknown | 1.000 | 3 | 5 | 11 | 144 |
| 181 | C1881-20X25 MF3TC3 | Unknown | 1.000 | 3 | 5 | 12 | 144 |
| 182 | CCV | Unknown | 1.000 | 4 | 1 | 1 | 144 |
| 183 | CCB | Unknown | 1.000 | 4 | 1 | 2 | 144 |
| 184 | ZZZZZ | Instrument Setup | 1.000 | 2 | 1 | 1 | 144 |
| 185 | CCV | Unknown | 1.000 | 1 | 1 | 2 | 144 |
| 186 | CCB | Unknown | 1.000 | 1 | 1 | 3 | 144 |
| 187 | C1868-04LX5 MF3TA5L | Unknown | 1.000 | 1 | 1 | 4 | 144 |
| 188 | C1868-04LX125 MF3TA5L | Unknown | 1.000 | 1 | 1 | 5 | 144 |
| 189 | CCV | Unknown | 1.000 | 1 | 1 | 6 | 144 |
| 190 | CCB | Unknown | 1.000 | 1 | 1 | 7 | 144 |

## Fully Quant Calibration

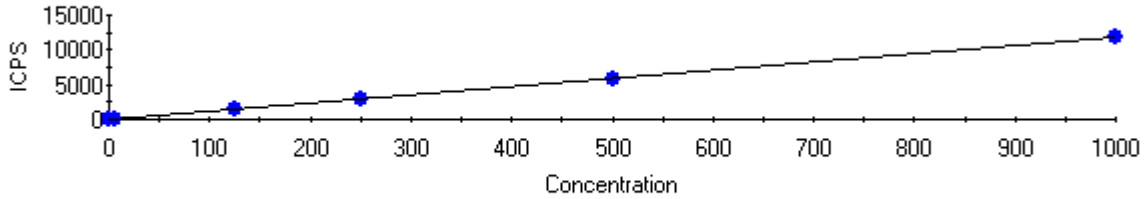
**9Be FQ Block 1**




Intercept CPS=9.884623 Intercept Conc=0.162424
Sensitivity=60.856807 Correlation Coeff=0.999996

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | 0.000 | 0.000 | 9.88 | 0.00 |
| S1 (S) | 1.000 | 0.948 | 0.052 | 67.59 | 5.18 |
| S2 (S) | 125.000 | 126.671 | 1.671 | 7718.66 | 1.34 |
| S3 (S) | 250.000 | 248.673 | 1.327 | 15143.33 | 0.53 |
| S4 (S) | 500.000 | 498.914 | 1.086 | 30372.20 | 0.22 |
| S5 (S) | 1000.000 | 1000.666 | 0.666 | 60907.22 | 0.07 |

**10B FQ Block 1**




Intercept CPS=31.779114 Intercept Conc=2.688481
Sensitivity=11.820471 Correlation Coeff=0.999979

| Label | Defined | Measured | Error | Mean CPS | % Error |
|---|---|---|---|---|---|
| S0 (S0) | 0.000 | -0.000 | 0.000 | 31.78 | 0.00 |
| S1 (S) | 5.000 | 5.140 | 0.140 | 92.53 | 2.79 |
| S2 (S) | 125.000 | 125.618 | 0.618 | 1516.64 | 0.49 |
| S3 (S) | 250.000 | 249.557 | 0.443 | 2981.66 | 0.18 |
| S4 (S) | 500.000 | 494.985 | 5.015 | 5882.74 | 1.00 |
| S5 (S) | 1000.000 | 1002.540 | 2.540 | 11882.28 | 0.25 |

# ICPMS-1 LOGBOOK

| DATE | RUN ID | PROJECT #: | ANALYST | COMMENT |
|---|---|---|---|---|
| 04/04/11 | LB54438 | C1680 (soil, water) | [illegible] | — |
| 04/05/11 | LB54438A | C1680, C1696, C1673 | [illegible] | — |
| 04/06/11 | LB54438B | C1673, C1696 | [illegible] | — |
| 04/13/11 | LB54561 | C1795, C1777, C1775, LOD-LOQ study | [illegible] | — |
| — | — | MDL STUDY (Sr, Zr, Te) | [illegible] | — |
| 04/15/2011 | LB54598 | C1750, C1754, C1809 | [illegible] | — |
| 04/18/2011 | LB54598R | C1750, C1809 | [illegible] | — |
| 04/18/2011 | LB54649 | C1774, C1906 | [illegible] | — |
| 04/19/2011 | LB54715 | C1806 | [illegible] | — |
| 04/21/2011 | LB54671 | C1772 | [illegible] | — |
| 04/22/2011 | LB54717 | C1798, C1822 | [illegible] | — |
| 04/25/11 | LB54737A | C1980, C1921 | [illegible] | — |
| 04/28/11 | LB54776 | C1807 | [illegible] | — |
| 04/29/11 | LB54819 | C1851, C1852, C1942, C1863 | [illegible] | — |
| 04/30/11 | LB54835 | C1867, C1868, C1881 | [illegible] | — |

5/02/11

# CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1122 | ICPMS CALIB BLANK(S0/ICB/CCB) | MP6663 | 04/28/2011 | 05/12/2011 | jaswal |

**FROM** 10.00000ml of Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)(~~W1097~~ M1793 4/28/11) + 1970.00000ml of DI Water(W1152) + 20.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M1828) = Final Quantity: 2000.000 ml

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 870 | ICPMS SPIKE SOL.B | MP6666 | 04/28/2011 | 05/01/2011 | jaswal |

**FROM** 5.00000ml of SOIL/WATER SPIKE SOLN 1, 125mL(M1369) + 5.00000ml of SOIL/WATER SPIKE SOLN 4, 125mL(M1210) + 40.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6663) = Final Quantity: 50.000 ml

# CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1122 | ICPMS CALIB BLANK(S0/ICB/CCB) | MP6645 | 04/22/2011 | 05/06/2011 | jaswal |

M1788 4/25/11

**FROM** 10.00000ml of Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)(~~W1097~~) + 1970.00000ml of DI Water(W1152) + 20.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M1821) = Final Quantity: 2000.000 ml

# CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 857 | ICPMS INT. STANDARD | MP6704 | 05/01/2011 | 05/15/2011 | jaswal |

**FROM** 2450.00000ml of DI Water(W1152) + 25.00000ml of 6020CLPM9 INT STD SOLN, 125mL(M1526) + 25.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M1828) = Final Quantity: 2500.000 ml

# CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1426 | S5 ICPMS ISM01.2 | MP6696 | 05/01/2011 | 05/12/2011 | jaswal |

**FROM** 0.10000ml of BORON 125mL 1000ug/mL(M1432) + 0.10000ml of COPPER 125mL 1000ug/mL(M1657) + 0.10000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 0 10000ml of MOLYBDENUM 125mL 1000ug/mL(M1661) + 0.10000ml of SILICON 125mL 1000ug/mL(M1666) + 0.10000ml of Thorium 1000 ug/ml(M1670) + 0.10000ml of TIN/HCL 125mL 1000ug/mL(M1667) + 0.10000ml of TITANIUM 125mL 1000ug/mL(M1663) + 0.10000ml of Uranium 1000 ug/ml(M1677) + 0.10000ml of ZINC 125mL 1000ug/mL(M1668) + 0.19000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1356) + 0.20000ml of Phosphorus, 125 ml, 10000 ug/ml(M1551) + 0.40000ml of BARIUM 125mL 1000ug/mL(M1659) + 0.49000ml of Iron, Fe, 125 ml, 10,000 ug/ml(M1357) + 0.99000ml of CALCIUM 125mL 10,000ug/mL(M1433) + 0 99000ml of MAGNESIUM 125mL 10,000ug/mL(M1363) + 0.99000ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 0.99000ml of SODIUM 125mL 10,000ug/mL(M1669) + 5.00000ml of Calibration Standard Method 6020(M1436) + 88.76000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6663) = Final Quantity: 100.000 ml

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1427 | S4 ICPMS ISM01.2 | MP6697 | 05/01/2011 | 05/12/2011 | jaswal |

**FROM** 25.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6663) + 25.00000ml of S5 ICPMS ISM01.2(MP6696) = Final Quantity: 50.000 ml

# CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1428 | S3 ICPMS ISM01.2 | MP6698 | 05/01/2011 | 05/12/2011 | jaswal |

**FROM** 12.50000ml of S5 ICPMS ISM01.2(MP6696) + 37.50000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6663) = Final Quantity: 50.000 ml

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1429 | S2 ICPMS ISM01.2 | MP6699 | 05/01/2011 | 05/12/2011 | jaswal |

**FROM** 43.75000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6663) + 6.25000ml of S5 ICPMS ISM01.2(MP6696) = Final Quantity: 50.000 ml

# CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1430 | CCV ICPMS ISM01.2 | MP6700 | 05/01/2011 | 05/12/2011 | jaswal |

**FROM** 0.25000ml of BORON 125mL 1000ug/mL(M1432) + 0.25000ml of COPPER 125mL 1000ug/mL(M1657) + 0.25000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 0.25000ml of MOLYBDENUM 125mL 1000ug/mL(M1661) + 0.25000ml of SILICON 125mL 1000ug/mL(M1666) + 0.25000ml of Thorium 1000 ug/ml(M1670) + 0.25000ml of TIN/HCL 125mL 1000ug/mL(M1667) + 0.25000ml of TITANIUM 125mL 1000ug/mL(M1663) + 0.25000ml of Uranium 1000 ug/ml(M1677) + 0.25000ml of ZINC 125mL 1000ug/mL(M1668) + 0.47500ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1356) + 0.50000ml of Phosphorus, 125 ml, 10000 ug/ml(M1551) + 1.00000ml of BARIUM 125mL 1000ug/mL(M1659) + 1.22500ml of Iron, Fe, 125 ml, 10,000 ug/ml(M1357) + 1.22500ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 12.50000ml of Calibration Standard Method 6020(M1436) + 2.47500ml of CALCIUM 125mL 10,000ug/mL(M1433) + 2.47500ml of MAGNESIUM 125mL 10,000ug/mL(M1363) + 2.47500ml of SODIUM 125mL 10,000ug/mL(M1669) + 472.40000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6663) = Final Quantity: 500.000 ml

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1737 | NEW 100PPM FOR-S1 ICPMS | MP6701 | 05/01/2011 | 05/12/2011 | jaswal |

**FROM** 1.00000ml of BORON 125mL 1000ug/mL(M1432) + 1.00000ml of MOLYBDENUM 125mL 1000ug/mL(M1661) + 1.00000ml of SILICON 125mL 1000ug/mL(M1666) + 1.00000ml of TIN/HCL 125mL 1000ug/mL(M1667) + 1.00000ml of TITANIUM 125mL 1000ug/mL(M1663) + 5.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6663) = Final Quantity: 10.000 ml

# CHEMTECH

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## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1120 | ICPMS ISM01.2 S1(CONC.) | MP6702 | 05/01/2011 | 05/12/2011 | jaswal |

**FROM** 0.05000ml of ARSENIC 125mL 1000ug/mL(M1673) + 0.05000ml of BERYLLIUM 125mL 1000ug/mL(M1671) + 0.05000ml of CADMIUM, 125mL 1000ug/mL(M1672) + 0.05000ml of COBALT 125mL 1000ug/mL(M1665) + 0.05000ml of LEAD 125mL 1000ug/mL(M1598) + 0.05000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 0.05000ml of NICKEL 125mL 1000ug/mL(M1655) + 0.05000ml of SILVER 125mL 1000ug/mL(M1675) + 0.05000ml of THALLIUM 125mL 1000ug/mL(M1676) + 0.10000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1356) + 0.10000ml of ANTIMONY HF, 125mL 1,000ug/mL(M1466) + 0.10000ml of CHROMIUM(+3) 125mL 1000ug/mL(M1662) + 0.10000ml of COPPER 125mL 1000ug/mL(M1657) + 0.10000ml of ZINC 125mL 1000ug/mL(M1668) + 0.25000ml of SELENIUM 125mL 1000ug/mL(M1660) + 0.25000ml of VANADIUM 125mL 1000ug/mL(M1674) + 0.50000ml of BARIUM 125mL 1000ug/mL(M1659) + 1.00000ml of Iron, Fe, 125 ml, 10,000 ug/ml(M1357) + 2.50000ml of CALCIUM 125mL 10,000ug/mL(M1433) + 2.50000ml of MAGNESIUM 125mL 10,000ug/mL(M1363) + 2.50000ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 2.50000ml of SODIUM 125mL 10,000ug/mL(M1669) + 2.50000ml of NEW 100PPM FOR-S1 ICPMS(MP6701) + 234.55000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6663) = Final Quantity: 250.000 ml

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1130 | ICPMS ISM01.2 S1 | MP6703 | 05/01/2011 | 05/12/2011 | jaswal |

**FROM** 0.25000ml of ICPMS ISM01.2 S1(CONC.)(MP6702) + 49.75000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6663) = Final Quantity: 50.000 ml

# CHEMTECH

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## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1135 | MG 10PPM ILM05.4 FOR TUNE | MP6678 | 04/28/2011 | 05/12/2011 | jaswal |

**FROM** 0.10000ml of MAGNESIUM 125mL 10,000ug/mL(M1363) + 99.90000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6663) = Final Quantity: 100.000 ml

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1172 | TUNE SOL 100PPB ICPMS | MP6679 | 04/28/2011 | 05/12/2011 | jaswal |

**FROM** 1.00000ml of TUNE-A,(M1518) + 1.00000ml of MG 10PPM ILM05.4 FOR TUNE(MP6678) + 98.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6663) = Final Quantity: 100.000 ml

# CHEMTECH

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## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1174 | TUNE SOL 10PPB ICPMS | MP6680 | 04/28/2011 | 05/12/2011 | jaswal |

**FROM** 0 10000ml of TUNE-A,(M1518) + 0.10000ml of MG 10PPM ILM05.4 FOR TUNE(MP6678) + 99 80000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6663) = Final Quantity: 100.000 ml

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1140 | TUNE SOL 200PPB XCAL | MP6681 | 04/28/2011 | 05/12/2011 | jaswal |

**FROM** 2 00000ml of Tune D25 Cross Cal Solution, 10 PPM(M1710) + 98.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6663) = Final Quantity: 100.000 ml

# CHEMTECH

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## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1142 | ICSA ICPMS | MP6682 | 04/28/2011 | 05/12/2011 | jaswal |

**FROM** 5.00000ml of ICSA ( ICPMS ) STOCK SOLN(M1441) + 45.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6663) = Final Quantity: 50.000 ml

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1143 | ICSAB ICPMS | MP6683 | 04/28/2011 | 05/12/2011 | jaswal |

**FROM** 5.00000ml of ICSA ( ICPMS ) STOCK SOLN(M1441) + 5.00000ml of ICSB (ICPMS) STOCK SOLUTION(M1461) + 40.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6663) = Final Quantity: 50.000 ml

# CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1165 | ICSAX10 | MP6684 | 04/28/2011 | 05/12/2011 | jaswal |

**FROM** 2.50000ml of ICSA ICPMS(MP6682) + 22.50000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6663) =
Final Quantity: 25.000 ml

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1166 | ICSABX10 | MP6685 | 04/28/2011 | 05/12/2011 | jaswal |

**FROM** 2.50000ml of ICSAB ICPMS(MP6683) + 22.50000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6663)
= Final Quantity: 25.000 ml

# CHEMTECH

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## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1430 | CCV ICPMS ISM01.2 | MP6686 | 04/28/2011 | 05/01/2011 | jaswal |

**FROM** 0.25000ml of COPPER 125mL 1000ug/mL(M1657) + 0.25000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 0.25000ml of Thorium 1000 ug/ml(M1670) + 0.25000ml of Uranium 1000 ug/ml(M1677) + 0.25000ml of ZINC 125mL 1000ug/mL(M1668) + 0.47500ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1356) + 0.50000ml of Phosphorus, 125 ml, 10000 ug/ml(M1551) + 1.00000ml of BARIUM 125mL 1000ug/mL(M1659) + 1.22500ml of Iron, Fe, 125 ml, 10,000 ug/ml(M1357) + 1.22500ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 12.50000ml of Calibration Standard Method 6020(M1436) + 2.47500ml of CALCIUM 125mL 10,000ug/mL(M1433) + 2.47500ml of MAGNESIUM 125mL 10,000ug/mL(M1363) + 2.47500ml of SODIUM 125mL 10,000ug/mL(M1669) + 2.50000ml of SOL C(100PPM) ISM01.2(MP6672) + 471.90000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6663) =
Final Quantity: 500.000 ml

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1575 | ICV ISM01.2 MS | MP6687 | 04/28/2011 | 05/12/2011 | jaswal |

**FROM** 0.02500ml of CHEM-QC-4, Second Source, 1000 ug/ml, B, Mo, Si, Sn, Ti(M1360) + 1.00000ml of ICV ( ICP/ICPMS ) STOCK SOLN (M1580) + 48.97500ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6663) =
Final Quantity: 50.000 ml

# CHEMTECH

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## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 864 | ICPMS RINSE SOL. | MP6688 | 04/28/2011 | 05/12/2011 | jaswal |

**FROM** 1950.00000ml of DI Water(W1152) + 50.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M1828) =
Final Quantity: 2000.000 ml

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 864 | ICPMS RINSE SOL. | MP6689 | 04/28/2011 | 05/12/2011 | jaswal |

**FROM** 1950.00000ml of DI Water(W1152) + 50.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M1828) =
Final Quantity: 2000.000 ml

# CHEMTECH

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## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1120 | ICPMS ISM01.2 S1(CONC.) | MP6473 | 04/13/2011 | 04/28/2011 | jaswal |

**FROM** 0.05000ml of ARSENIC 125mL 1000ug/mL(M1673) + 0.05000ml of BERYLLIUM 125mL 1000ug/mL(M1671) + 0.05000ml of CADMIUM, 125mL 1000ug/mL(M1672) + 0.05000ml of COBALT 125mL 1000ug/mL(M1665) + 0.05000ml of LEAD 125mL 1000ug/mL(M1598) + 0.05000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 0.05000ml of NICKEL 125mL 1000ug/mL(M1655) + 0.05000ml of SILVER 125mL 1000ug/mL(M1675) + 0.05000ml of THALLIUM 125mL 1000ug/mL(M1676) + 0.10000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1356) + 0.10000ml of ANTIMONY HF, 125mL 1,000ug/mL(M1466) + 0.10000ml of CHROMIUM(+3) 125mL 1000ug/mL(M1662) + 0.10000ml of COPPER 125mL 1000ug/mL(M1657) + 0.10000ml of ZINC 125mL 1000ug/mL(M1668) + 0.25000ml of CHEM-CLP-4/.25L(M1321) + 0.25000ml of SELENIUM 125mL 1000ug/mL(M1660) + 0.25000ml of VANADIUM 125mL 1000ug/mL(M1674) + 0.50000ml of BARIUM 125mL 1000ug/mL(M1659) + 1.00000ml of Iron, Fe, 125 ml, 10,000 ug/ml(M1357) + 2.50000ml of CALCIUM 125mL 10,000ug/mL(M1433) + 2.50000ml of MAGNESIUM 125mL 10,000ug/mL(M1363) + 2.50000ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 2.50000ml of SODIUM 125mL 10,000ug/mL(M1669) + 236.80000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6465) = Final Quantity: 250.000 ml

# CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 870 | ICPMS SPIKE SOL.B | MP6466 | 04/13/2011 | 04/28/2011 | jaswal |

**FROM** 5.00000ml of SOIL/WATER SPIKE SOLN 1, 125mL(M1369) + 5.00000ml of SOIL/WATER SPIKE SOLN 4, 125mL(M1210) + 40 00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6465) = Final Quantity: 50.000 ml

# CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1120 | ICPMS ISM01.2 S1(CONC.) | MP6473 | 04/13/2011 | 04/28/2011 | jaswal |

**FROM** 0.05000ml of ARSENIC 125mL 1000ug/mL(M1673) + 0.05000ml of BERYLLIUM 125mL 1000ug/mL(M1671) + 0.05000ml of CADMIUM, 125mL 1000ug/mL(M1672) + 0.05000ml of COBALT 125mL 1000ug/mL(M1665) + 0.05000ml of LEAD 125mL 1000ug/mL(M1598) + 0.05000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 0.05000ml of NICKEL 125mL 1000ug/mL(M1655) + 0.05000ml of SILVER 125mL 1000ug/mL(M1675) + 0.05000ml of THALLIUM 125mL 1000ug/mL(M1676) + 0.10000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1356) + 0.10000ml of ANTIMONY HF, 125mL 1,000ug/mL(M1466) + 0.10000ml of CHROMIUM(+3) 125mL 1000ug/mL(M1662) + 0.10000ml of COPPER 125mL 1000ug/mL(M1657) + 0.10000ml of ZINC 125mL 1000ug/mL(M1668) + 0.25000ml of CHEM-CLP-4/.25L(M1321) + 0.25000ml of SELENIUM 125mL 1000ug/mL(M1660) + 0.25000ml of VANADIUM 125mL 1000ug/mL(M1674) + 0.50000ml of BARIUM 125mL 1000ug/mL(M1659) + 1.00000ml of Iron, Fe, 125 ml, 10,000 ug/ml(M1357) + 2.50000ml of CALCIUM 125mL 10,000ug/mL(M1433) + 2.50000ml of MAGNESIUM 125mL 10,000ug/mL(M1363) + 2.50000ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 2.50000ml of SODIUM 125mL 10,000ug/mL(M1669) + 236.80000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6465) = Final Quantity: 250.000 ml

# CHEMTECH

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## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1120 | ICPMS ISM01.2 S1(CONC.) | MP6473 | 04/13/2011 | 04/28/2011 | jaswal |

**FROM** 0.05000ml of ARSENIC 125mL 1000ug/mL(M1673) + 0.05000ml of BERYLLIUM 125mL 1000ug/mL(M1671) + 0.05000ml of CADMIUM, 125mL 1000ug/mL(M1672) + 0.05000ml of COBALT 125mL 1000ug/mL(M1665) + 0.05000ml of LEAD 125mL 1000ug/mL(M1598) + 0.05000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 0.05000ml of NICKEL 125mL 1000ug/mL(M1655) + 0.05000ml of SILVER 125mL 1000ug/mL(M1675) + 0.05000ml of THALLIUM 125mL 1000ug/mL(M1676) + 0.10000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1356) + 0.10000ml of ANTIMONY HF, 125mL 1,000ug/mL(M1466) + 0.10000ml of CHROMIUM(+3) 125mL 1000ug/mL(M1662) + 0.10000ml of COPPER 125mL 1000ug/mL(M1657) + 0.10000ml of ZINC 125mL 1000ug/mL(M1668) + 0.25000ml of CHEM-CLP-4/.25L(M1321) + 0.25000ml of SELENIUM 125mL 1000ug/mL(M1660) + 0.25000ml of VANADIUM 125mL 1000ug/mL(M1674) + 0.50000ml of BARIUM 125mL 1000ug/mL(M1659) + 1.00000ml of Iron, Fe, 125 ml, 10,000 ug/ml(M1357) + 2.50000ml of CALCIUM 125mL 10,000ug/mL(M1433) + 2.50000ml of MAGNESIUM 125mL 10,000ug/mL(M1363) + 2.50000ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 2.50000ml of SODIUM 125mL 10,000ug/mL(M1669) + 236.80000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6465) = Final Quantity: 250.000 ml

# CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 870 | ICPMS SPIKE SOL.B | MP6466 | 04/13/2011 | 04/28/2011 | jaswal |

**FROM** 5.00000ml of SOIL/WATER SPIKE SOLN 1, 125mL(M1369) + 5.00000ml of SOIL/WATER SPIKE SOLN 4, 125mL(M1210) + 40.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6465) = Final Quantity: 50.000 ml

# CHEMTECH

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## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 1120 | ICPMS ISM01.2 S1(CONC.) | MP6473 | 04/13/2011 | 04/28/2011 | jaswal |

**FROM** 0.05000ml of ARSENIC 125mL 1000ug/mL(M1673) + 0.05000ml of BERYLLIUM 125mL 1000ug/mL(M1671) + 0.05000ml of CADMIUM, 125mL 1000ug/mL(M1672) + 0.05000ml of COBALT 125mL 1000ug/mL(M1665) + 0.05000ml of LEAD 125mL 1000ug/mL(M1598) + 0.05000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 0.05000ml of NICKEL 125mL 1000ug/mL(M1655) + 0.05000ml of SILVER 125mL 1000ug/mL(M1675) + 0.05000ml of THALLIUM 125mL 1000ug/mL(M1676) + 0.10000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1356) + 0.10000ml of ANTIMONY HF, 125mL 1,000ug/mL(M1466) + 0.10000ml of CHROMIUM(+3) 125mL 1000ug/mL(M1662) + 0.10000ml of COPPER 125mL 1000ug/mL(M1657) + 0.10000ml of ZINC 125mL 1000ug/mL(M1668) + 0.25000ml of CHEM-CLP-4/.25L(M1321) + 0.25000ml of SELENIUM 125mL 1000ug/mL(M1660) + 0.25000ml of VANADIUM 125mL 1000ug/mL(M1674) + 0.50000ml of BARIUM 125mL 1000ug/mL(M1659) + 1.00000ml of Iron, Fe, 125 ml, 10,000 ug/ml(M1357) + 2.50000ml of CALCIUM 125mL 10,000ug/mL(M1433) + 2.50000ml of MAGNESIUM 125mL 10,000ug/mL(M1363) + 2.50000ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 2.50000ml of SODIUM 125mL 10,000ug/mL(M1669) + 236.80000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6465) = Final Quantity: 250.000 ml

# CHEMTECH

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## Metals STANDARD PREPARATION LOG

| RecipeID | NAME | NO. | Prep Date | Expiration D | Prepared By |
|---|---|---|---|---|---|
| 870 | ICPMS SPIKE SOL.B | MP6466 | 04/13/2011 | 04/28/2011 | jaswal |

**FROM** 5.00000ml of SOIL/WATER SPIKE SOLN 1, 125mL(M1369) + 5.00000ml of SOIL/WATER SPIKE SOLN 4, 125mL(M1210) + 40.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6465) = Final Quantity: 50.000 ml

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info@inorganicventures.com

# CERTIFICATE OF ANALYSIS

1.0 INORGANIC VENTURES is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

Testing Laboratory Certificate 583.01 — Reference Material Producer Certificate 533.02

M1321
rec. date: 08/24/10

2.0 DESCRIPTION OF CRM: Custom Solution

Catalog No.: CHEM-CLP-4

Lot Number: D2-MEB328101

Matrix: 0.7% HF(v/v), 3% HNO3(v/v)

1,000.00 µg/mL ea:
B, Mo, Si, Sn, Ti

3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE |
|---|---|---|---|---|---|
| Boron, B | 999 ± 4 µg/mL | Molybdenum, Mo | 999 ± 4 µg/mL | Silicon, Si | 1,001 ± 4 µg/mL |
| Tin, Sn | 1,000 ± 3 µg/mL | Titanium, Ti | 1,003 ± 3 µg/mL | | |

Certified Density: 1.028 g/mL (measured at 20 ± 1° C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term "in-house std." is specified.

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# CERTIFICATE OF ANALYSIS

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

M1657

2.0 DESCRIPTION OF CRM 1000 µg/mL Copper in 3% (v/v) $HNO_3$

| | |
|---|---|
| Catalog Number: | CGCU1-1, CGCU1-2, and CGCU1-5 |
| Lot Number: | D2-CU02121 |
| Starting Material: | Cu shot |
| Starting Material Purity (%): | 99.999158 |
| Starting Material Lot No: | 1544 |
| Matrix: | 3% (v/v) $HNO_3$ |

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,001 ± 3 µg/mL (avg. of 2 methods)

Certified Density: 1.015 g/mL (measured at 20 ± 1°C)

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.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = mean
$x_i$ = individual results
$n$ = number of measurements

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 1,000 ± 4 µg/mL
ICP Assay NIST SRM 3114 Lot Number: 011017

Assay Method #2 1,001 ± 2 µg/mL
EDTA NIST SRM 928 Lot Number: 928

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ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM 1000 µg/mL Manganese in 3% (v/v) HNO3

Catalog Number: CGMN1-1, CGMN1-2, and CGMN1-5

M1656

Lot Number: D2-MN02079

Starting Material: Mn pieces

Starting Material Purity (%): 99.990792

Starting Material Lot No: R806MNA1

Matrix: 3% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,004 ± 3 µg/mL

Certified Density: 1.015 g/mL (measured at 20 ± 1°C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\sum x_i}{n}$$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements

$$\text{Uncertainty } (\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$$

$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 1,005 ± 4 µg/mL
ICP Assay NIST SRM 3132 Lot Number: 050429

Assay Method #2 1,004 ± 3 µg/mL
EDTA NIST SRM 928 Lot Number: 928

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ACCREDITED ACCREDITED

M1668

| | |
|---|---|
| 2.0 DESCRIPTION OF CRM | 1000 µg/mL Zinc in 2% (v/v) HNO3 |
| Catalog Number: | CGZN1-1, CGZN1-2, and CGZN1-5 |
| Lot Number: | D2-ZN02065 |
| Starting Material: | Zn shot |
| Starting Material Purity (%): | 99.999897 |
| Starting Material Lot No: | 1560 |
| Matrix: | 2% (v/v) HNO3 |

3.0 CERTIFIED VALUES AND UNCERTAINTIES

| | |
|---|---|
| Certified Concentration: | 998 ± 4 µg/mL (avg. of 2 methods) |
| Certified Density: | 1.012 g/mL (measured at 20 ± 1°C) |

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.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

| | | |
|---|---|---|
| 4.1 | Assay Method #1 | 997 ± 4 µg/mL (avg. of 2 runs)<br>ICP Assay NIST SRM 3168a Lot Number: 080123 |
| | Assay Method #2 | 999 ± 3 µg/mL<br>EDTA NIST SRM 928 Lot Number: 928 |

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Testing Laboratory Certificate 863.01

Reference Material Produce Certificate 863.02

2.0 DESCRIPTION OF CRM 10000 µg/mL Aluminum in 7% v/v HNO3

Catalog Number: CGAL10-1, CGAL10-2, and CGAL10-5

Lot Number: D2-AL04081

Starting Material: Al ingot

M1356

Starting Material Purity (%): 99.998843

Starting Material Lot No: C14S012

Matrix: 7% v/v HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,015 ± 26 µg/mL

Certified Density: 1.085 g/mL (measured at 20 ± 1°C)

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.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume, and the fixed error reported on the NIST SRM certificate of analysis.)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 9996 ± 4 µg/mL
ICP Assay NIST SRM 3101a Lot Number: 060502

Assay Method #2 10,015 ± 26 µg/mL
EDTA NIST SRM 928 Lot Number: 928

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M1551

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ACCREDITED Testing Laboratory Certificate 857.01

ACCREDITED Reference Material Producer Certificate 853.02

| | | |
|---|---|---|
| 2.0 | DESCRIPTION OF CRM | 10000 µg/mL Phosphorus in H2O |
| | Catalog Number: | CGP10-1, CGP10-2, and CGP10-5 |
| | Lot Number: | D2-P02026 |
| | Starting Material: | H3PO4 |
| | Starting Material Purity (%): | 99.999983 |
| | Starting Material Lot No: | C23813 |
| | Matrix: | H2O |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Concentration:** 9,997 ± 43 µg/mL (avg. of 2 methods)

**Certified Density:** 1.014 g/mL (measured at 20 ± 1°C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\sum x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

## 4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

| | | |
|---|---|---|
| 4.1 | Assay Method #1 | 9,986 ± 66 µg/mL<br>ICP Assay NIST SRM 3139a Lot Number: 060717 |
| | Assay Method #2 | 10,007 ± 20 µg/mL<br>Acidimetric NIST SRM 84k Lot Number: 84k |

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ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM 1000 µg/mL Barium in 0.1% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGBA1-1, CGBA1-2, and CGBA1-5 |
| Lot Number: | D2-BA02055 |
| Starting Material: | Ba(NO3)2 |
| Starting Material Purity (%): | 99.999842 |
| Starting Material Lot No: | 1514 |
| Matrix: | 0.1% (v/v) HNO3 |

M1659

3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Concentration:** 1,007 ± 3 µg/mL

**Certified Density:** 1.000 g/mL (measured at 20 ± 1°C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\sum x_i}{n}$$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements

$$\text{Uncertainty } (\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$$

$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 1,002 ± 4 µg/mL
ICP Assay NIST SRM 3104a Lot Number: 070222

Assay Method #2 1,007 ± 3 µg/mL
Gravimetric NIST SRM Lot Number: See Sec. 4.2

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Testing Laboratory Certificate 883.01 — Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM 10000 µg/mL Iron in 5% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGFE10-1, CGFE10-2, and CGFE10-5 |
| Lot Number: | D2-FE03115 |
| Starting Material: | Fe powder |
| Starting Material Purity (%): | 99.995342 |
| Starting Material Lot No: | 1539 |
| Matrix: | 5% (v/v) HNO3 |

M1357

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,125 ± 26 µg/mL

Certified Density: 1.066 g/mL (measured at 20 ± 1°C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 10,130 ± 47 µg/mL (avg. of 3 runs)
ICP Assay NIST SRM 3126a Lot Number: 051031

Assay Method #2 10,125 ± 26 µg/mL
EDTA NIST SRM 928 Lot Number: 928

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M1679

| | |
|---|---|
| 2.0 DESCRIPTION OF CRM | 10000 µg/mL Potassium in 2% (v/v) HNO3 |
| Catalog Number: | CGK10-1, CGK10-2, and CGK10-5 |
| Lot Number: | D2-K03011 |
| Starting Material: | KNO3 |
| Starting Material Purity (%): | 99.998079 |
| Starting Material Lot No: | B19P01 |
| Matrix: | 2% (v/v) HNO3 |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Concentration:** 10,029 ± 24 µg/mL

**Certified Density:** 1.024 g/mL (measured at 20 ± 1°C)

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.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

## 4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

| | | |
|---|---|---|
| 4.1 | Assay Method #1 | 9,984 ± 49 µg/mL<br>ICP Assay NIST SRM 3141a Lot Number: 051220 |
| | Assay Method #2 | 10,029 ± 24 µg/mL<br>Gravimetric NIST SRM Lot Number: See Sec. 4.2 |

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Testing Laboratory Certificate 883.01

Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM 10000 µg/mL Calcium in 2% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGCA10-1, CGCA10-2, and CGCA10-5 |
| Lot Number: | D2-CA03136 |
| Starting Material: | CaO |
| Starting Material Purity (%): | 99.997416 |
| Starting Material Lot No: | G47339 |
| Matrix: | 2% (v/v) HNO3 |

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~~M1364~~ OK 7/19/10
M1433

3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Concentration:** 9,973 ± 26 µg/mL

**Certified Density:** 1.038 g/mL (measured at 20 ± 1°C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume, and the fixed error reported on the NIST SRM certificate of analysis.)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 9,964 ± 44 µg/mL
ICP Assay NIST SRM 3109a Lot Number: 050825

Assay Method #2 9,973 ± 26 µg/mL
EDTA NIST SRM 928 Lot Number: 928

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Testing Laboratory Certificate 883.01 · Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM 10000 µg/mL Magnesium in 2% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGMG10-1, CGMG10-2, and CGMG10-5 |
| Lot Number: | D2-MG03086 |
| Starting Material: | Mg metal |
| Starting Material Purity (%): | 99.999533 |
| Starting Material Lot No: | 00265067003 |
| Matrix: | 2% (v/v) HNO3 |

M1363

3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Concentration:** 10,049 ± 26 µg/mL

**Certified Density:** 1.054 g/mL (measured at 20 ± 1°C)

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.

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$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 10,060 ± 57 µg/mL
ICP Assay NIST SRM 3131a Lot Number: 050302

Assay Method #2 10,049 ± 26 µg/mL
EDTA NIST SRM 928 Lot Number: 928

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inorganicventures.com

# CERTIFICATE OF ANALYSIS

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1.0 INORGANIC VENTURES is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 · ACCREDITED Reference Material Producer Certificate 883.02

M1669

2.0 DESCRIPTION OF CRM 10000 µg/mL Sodium in 2% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGNA10-1, CGNA10-2, and CGNA10-5 |
| Lot Number: | D2-NA03080 |
| Starting Material: | Na2CO3 |
| Starting Material Purity (%): | 99.997120 |
| Starting Material Lot No: | C18157 |
| Matrix: | 2% (v/v) HNO3 |

3.0 CERTIFIED VALUES AND UNCERTAINTIES

| | |
|---|---|
| Certified Concentration: | 10,039 ± 19 µg/mL |
| Certified Density: | 1.034 g/mL (measured at 20 ± 1°C) |

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.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 10,072 ± 41 µg/mL
ICP Assay NIST SRM 3152a Lot Number: 010728

Assay Method #2 10,039 ± 19 µg/mL
Gravimetric NIST SRM Lot Number: See Sec. 4.2

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M1436

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Testing Laboratory Certificate 883.01

Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM Stock Solution

Catalog No.: 6020CAL-1

Lot Number: B2-MEB236100

Matrix: 5% HNO3(v/v)

20.00 µg/mL ea:
Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr3, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Tl, V, Zn

3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE |
|---|---|---|---|---|---|
| Aluminum, Al | 20.00 ± 0.12 µg/mL | Antimony, Sb | 19.95 ± 0.06 µg/mL | Arsenic, As | 20.04 ± 0.06 µg/mL |
| Barium, Ba | 19.95 ± 0.06 µg/mL | Beryllium, Be | 19.91 ± 0.06 µg/mL | Cadmium, Cd | 20.00 ± 0.06 µg/mL |
| Calcium, Ca | 20.04 ± 0.16 µg/mL | Chromium+3, Cr3 | 20.04 ± 0.07 µg/mL | Cobalt, Co | 20.04 ± 0.04 µg/mL |
| Copper, Cu | 20.04 ± 0.05 µg/mL | Iron, Fe | 19.98 ± 0.04 µg/mL | Lead, Pb | 20.04 ± 0.07 µg/mL |
| Magnesium, Mg | 20.04 ± 0.08 µg/mL | Manganese, Mn | 20.04 ± 0.08 µg/mL | Nickel, Ni | 20.04 ± 0.07 µg/mL |
| Potassium, K | 20.04 ± 0.08 µg/mL | Selenium, Se | 20.04 ± 0.04 µg/mL | Silver, Ag | 20.06 ± 0.04 µg/mL |
| Sodium, Na | 20.04 ± 0.10 µg/mL | Thallium, Tl | 19.95 ± 0.04 µg/mL | Vanadium, V | 20.04 ± 0.07 µg/mL |
| Zinc, Zn | 20.04 ± 0.10 µg/mL | | | | |

Certified Density: 1.027 g/mL (measured at 22° C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

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n = number of measurements
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ACCREDITED Testing Laboratory Certificate 863.01 · ACCREDITED Reference Material Producer Certificate 863.02

M1673

| | |
|---|---|
| 2.0 DESCRIPTION OF CRM | 1000 µg/mL Arsenic in 2% (v/v) HNO3 |
| Catalog Number: | CGAS1-1, CGAS1-2, and CGAS1-5 |
| Lot Number: | D2-AS02066 |
| Starting Material: | As pieces |
| Starting Material Purity (%): | 99.999032 |
| Starting Material Lot No: | R1107ASB1 |
| Matrix: | 2% (v/v) HNO3 |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Concentration:** 999 ± 5 µg/mL

**Certified Density:** 1.011 g/mL (measured at 20 ± 1°C)

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.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

## 4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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| | | |
|---|---|---|
| 4.1 | Assay Method #1 | 999 ± 5 µg/mL<br>ICP Assay NIST SRM 3103a Lot Number: 010713 |
| | Assay Method #2 | 1,000 ± 5 µg/mL<br>Calculated NIST SRM Lot Number: See Sec. 4.2 |

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# CERTIFICATE OF ANALYSI

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2.0 DESCRIPTION OF CRM 1000 µg/mL Beryllium in 3% (v/v) HNO3

M167

| | |
|---|---|
| Catalog Number: | CGBE1-1, CGBE1-2, and CGBE1-5 |
| Lot Number: | D2-BE02003 |
| Starting Material: | Be(OOCCH3)2 |
| Starting Material Purity (%): | 99.999948 |
| Starting Material Lot No: | 0801-1 |
| Matrix: | 3% (v/v) HNO3 |

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,004 ± 6 µg/mL

Certified Density: 1.023 g/mL (measured at 20 ± 1°C)

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.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = mean
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n = number of measurements

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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4.1 Assay Method #1 1,004 ± 6 µg/mL (avg. of 2 runs)
ICP Assay NIST SRM 3105a Lot Number: 892707

Assay Method #2 1,001 ± 5 µg/mL
Calculated NIST SRM Lot Number: See Sec. 4.2

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ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

M1672

| | |
|---|---|
| 2.0 DESCRIPTION OF CRM | 1000 µg/mL Cadmium in 3% (v/v) HNO3 |
| Catalog Number: | CGCD1-1, CGCD1-2, and CGCD1-5 |
| Lot Number: | D2-CD02027 |
| Starting Material: | Cd shot |
| Starting Material Purity (%): | 99.999656 |
| Starting Material Lot No: | R1205CDA1 |
| Matrix: | 3% (v/v) HNO3 |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Concentration:** 1,002 ± 4 µg/mL (avg. of 2 methods)

**Certified Density:** 1.015 g/mL (measured at 20 ± 1°C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

## 4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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4.1 Assay Method #1 1,002 ± 4 µg/mL
ICP Assay NIST SRM 3108 Lot Number: 060531

Assay Method #2 1,002 ± 3 µg/mL
EDTA NIST SRM 928 Lot Number: 928

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M1665

2.0 DESCRIPTION OF CRM

| | |
|---|---|
| | 1000 µg/mL Cobalt in 3% (v/v) HNO3 |
| Catalog Number: | CGCO1-1, CGCO1-2, and CGCO1-5 |
| Lot Number: | D2-CO02027 |
| Starting Material: | Co powder |
| Starting Material Purity (%): | 99.997516 |
| Starting Material Lot No: | KW809COA1 |
| Matrix: | 3% (v/v) HNO3 |

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,003 ± 3 µg/mL

Certified Density: 1.019 g/mL (measured at 20 ± 1°C)

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.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = mean
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n = number of measurements

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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4.1 Assay Method #1 1,003 ± 5 µg/mL
ICP Assay NIST SRM 3181 Lot Number: 000630

Assay Method #2 1,003 ± 3 µg/mL
EDTA NIST SRM 928 Lot Number: 928

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ACCREDITED Testing Laboratory Certificate 833.01 — ACCREDITED Reference Material Producer Certificate 833.02

2.0 DESCRIPTION OF CRM 1000 µg/mL Lead in 0.5% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGPB1-1, CGPB1-2, and CGPB1-5 |
| Lot Number: | D2-PB03019 |
| Starting Material: | Pb(NO3)2 |
| Starting Material Purity (%): | 99.999554 |
| Starting Material Lot No: | E1007PBA1 |
| Matrix: | 0.5% (v/v) HNO3 |

M 1598

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,001 ± 3 µg/mL

Certified Density: 1.000 g/mL (measured at 20 ± 1°C)

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.

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Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

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4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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4.1 Assay Method #1 999 ± 4 µg/mL
ICP Assay NIST SRM 3128 Lot Number: 030721

Assay Method #2 1,001 ± 3 µg/mL
EDTA NIST SRM 928 Lot Number: 928

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ACCREDITED Testing Laboratory Certificate 858.01 ACCREDITED Reference Material Producer Certificate 858.02

2.0 DESCRIPTION OF CRM 1000 µg/mL Manganese in 3% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGMN1-1, CGMN1-2, and CGMN1-5 |
| Lot Number: | D2-MN02079 |
| Starting Material: | Mn pieces |
| Starting Material Purity (%): | 99.990792 |
| Starting Material Lot No: | R806MNA1 |
| Matrix: | 3% (v/v) HNO3 |

M1656

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,004 ± 3 µg/mL

Certified Density: 1.015 g/mL (measured at 20 ± 1°C)

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.

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4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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4.1 Assay Method #1 1,005 ± 4 µg/mL
ICP Assay NIST SRM 3132 Lot Number: 050429

Assay Method #2 1,004 ± 3 µg/mL
EDTA NIST SRM 928 Lot Number: 928

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Testing Laboratory Certificate 883.01

Reference Material Produ Certificate 883.02

2.0 DESCRIPTION OF CRM 1000 µg/mL Nickel in 2% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGNI1-1, CGNI1-2, and CGNI1-5 |
| Lot Number: | C2-NI02062 |
| Starting Material: | Ni pieces |
| Starting Material Purity (%): | 99.999033 |
| Starting Material Lot No: | E25T014 |
| Matrix: | 2% (v/v) HNO3 |

M 1655

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1003 ± 3 µg/mL

Certified Density: 1.012 g/mL (measured at 20 ± 1°C)

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 $k = 2$.

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4.1 Assay Method #1 998 ± 3 µg/mL
ICP Assay NIST SRM 3136 Lot Number: 000612

Assay Method #2 1003 ± 3 µg/mL
EDTA NIST SRM 928 , Lot Number: 928

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

M1675

2.0 DESCRIPTION OF CRM 1000 µg/mL Silver in 5% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGAG1-1, CGAG1-2, and CGAG1-5 |
| Lot Number: | D2-AG03004 |
| Starting Material: | Ag shot |
| Starting Material Purity (%): | 99.991024 |
| Starting Material Lot No: | E308AGA1 |
| Matrix: | 5% (v/v) HNO3 |

3.0 CERTIFIED VALUES AND UNCERTAINTIES

| | |
|---|---|
| Certified Concentration: | 1,000 ± 2 µg/mL |
| Certified Density: | 1.025 g/mL (measured at 20 ± 1°C) |

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.

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4.1 Assay Method #1 1,002 ± 3 µg/mL
ICP Assay NIST SRM 3151 Lot Number: 992212

Assay Method #2 1,000 ± 2 µg/mL
Volhard NIST SRM 999b Lot Number: 999b

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ACCREDITED Testing Laboratory Certificate 863.01

ACCREDITED Reference Material Producer Certificate 863.02

M1676

| | |
|---|---|
| 2.0 DESCRIPTION OF CRM | 1000 µg/mL Thallium in 0.7% (v/v) HNO3 |
| Catalog Number: | CGTL1-1, CGTL1-2, and CGTL1-5 |
| Lot Number: | D2-TL01111 |
| Starting Material: | TlNO3 |
| Starting Material Purity (%): | 99.999671 |
| Starting Material Lot No: | 1479 |
| Matrix: | 0.7% (v/v) HNO3 |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,000 ± 4 µg/mL

Certified Density: 1.003 g/mL (measured at 20 ± 1°C)

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.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

## 4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 1,000 ± 4 µg/mL (avg. of 2 runs)
ICP Assay NIST SRM 3158 Lot Number: 993012

Assay Method #2 1,001 ± 5 µg/mL
Calculated NIST SRM Lot Number: See Sec. 4.2

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# CERTIFICATE OF ANALYSIS

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Testing Laboratory Certificate 883.01

Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM 10000 µg/mL Aluminum in 7% v/v HNO3

| | |
|---|---|
| Catalog Number: | CGAL10-1, CGAL10-2, and CGAL10-5 |
| Lot Number: | D2-AL04081 |
| Starting Material: | Al ingot |
| Starting Material Purity (%): | 99.998843 |
| Starting Material Lot No: | C14S012 |
| Matrix: | 7% v/v HNO3 |

M1356

3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Concentration:** 10,015 ± 26 µg/mL

**Certified Density:** 1.085 g/mL (measured at 20 ± 1°C)

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.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume, and the fixed error reported on the NIST SRM certificate of analysis.)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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4.1 Assay Method #1 9996 ± 4 µg/mL
ICP Assay NIST SRM 3101a Lot Number: 060502

Assay Method #2 10,015 ± 26 µg/mL
EDTA NIST SRM 928 Lot Number: 928

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M1466

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Testing Laboratory Certificate 853.01 · Reference Material Producer Certificate 853.02

2.0 DESCRIPTION OF CRM 1000 µg/mL Antimony in HF in 2% v/v HNO3 / tr. HF

| | |
|---|---|
| Catalog Number: | CGSBF1-1, CGSBF1-2, and CGSBF1-5 |
| Lot Number: | C2-SB02120 |
| Starting Material: | Sb shot |
| Starting Material Purity (%): | 99.999512 |
| Starting Material Lot No: | D29N32 |
| Matrix: | 2% v/v HNO3 / tr. HF |

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 993 ± 3 µg/mL

Certified Density: 1.010 g/mL (measured at 20 ± 1°C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 993 ± 3 µg/mL (avg. of 2 runs)
ICP Assay NIST SRM 3102A Lot Number: 061229

Assay Method #2 1000 ± 5 µg/mL
Calculated NIST SRM Lot Number: See Sec. 4.2

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ACCREDITED Testing Laboratory Certificate 833.01 — ACCREDITED Reference Material Produce Certificate 833.02

M1662

2.0 DESCRIPTION OF CRM — 1000 µg/mL Chromium (+3) in 2% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGCR(3)1-1, CGCR(3)1-2, and CGCR(3)1-5 |
| Lot Number: | D2-CR03042 |
| Starting Material: | Cr pieces |
| Starting Material Purity (%): | 99.993508 |
| Starting Material Lot No: | R800A |
| Matrix: | 2% (v/v) HNO3 |

3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Concentration:** 1,000 ± 3 µg/mL

**Certified Density:** 1.014 g/mL (measured at 20 ± 1°C)

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.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 — 1,000 ± 3 µg/mL (avg. of 2 runs)
ICP Assay NIST SRM 3112a Lot Number: 030730

Assay Method #2 — 1,001 ± 5 µg/mL
Calculated NIST SRM Lot Number: See Sec. 4.2

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ACCREDITED Testing Laboratory Certificate 863.01 — ACCREDITED Reference Material Producer Certificate 863.02

M1657

| | | |
|---|---|---|
| 2.0 | DESCRIPTION OF CRM | 1000 µg/mL Copper in 3% (v/v) HNO3 |
| | Catalog Number: | CGCU1-1, CGCU1-2, and CGCU1-5 |
| | Lot Number: | D2-CU02121 |
| | Starting Material: | Cu shot |
| | Starting Material Purity (%): | 99.999158 |
| | Starting Material Lot No: | 1544 |
| | Matrix: | 3% (v/v) HNO3 |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Concentration:** 1,001 ± 3 µg/mL (avg. of 2 methods)

**Certified Density:** 1.015 g/mL (measured at 20 ± 1°C)

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.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

## 4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

| | | |
|---|---|---|
| 4.1 | Assay Method #1 | 1,000 ± 4 µg/mL<br>ICP Assay NIST SRM 3114 Lot Number: 011017 |
| | Assay Method #2 | 1,001 ± 2 µg/mL<br>EDTA NIST SRM 928 Lot Number: 928 |

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2.0 DESCRIPTION OF CRM

| | |
|---|---|
| | 1000 µg/mL Zinc in 2% (v/v) HNO3 |
| Catalog Number: | CGZN1-1, CGZN1-2, and CGZN1-5 |
| Lot Number: | D2-ZN02065 |
| Starting Material: | Zn shot |
| Starting Material Purity (%): | 99.999897 |
| Starting Material Lot No: | 1560 |
| Matrix: | 2% (v/v) HNO3 |

M1668

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 998 ± 4 µg/mL (avg. of 2 methods)

Certified Density: 1.012 g/mL (measured at 20 ± 1°C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$(\bar{x})$ = mean
$x_i$ = individual results
$n$ = number of measurements

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 997 ± 4 µg/mL (avg. of 2 runs)
ICP Assay NIST SRM 3168a Lot Number: 080123

Assay Method #2 999 ± 3 µg/mL
EDTA NIST SRM 928 Lot Number: 928

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M1321
rec. date: 04/24/10
[illegible]

2.0 DESCRIPTION OF CRM: Custom Solution

Catalog No.: CHEM-CLP-4

Lot Number: D2-MEB328101

Matrix: 0.7% HF(v/v), 3% HNO3(v/v)

1,000.00 µg/mL ea:
B, Mo, Si, Sn, Ti

3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE |
|---|---|---|---|---|---|
| Boron, B | 999 ± 4 µg/mL | Molybdenum, Mo | 999 ± 4 µg/mL | Silicon, Si | 1,001 ± 4 µg/mL |
| Tin, Sn | 1,000 ± 3 µg/mL | Titanium, Ti | 1,003 ± 3 µg/mL | | |

Certified Density: 1.028 g/mL (measured at 20 ± 1° C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

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M160

2.0 DESCRIPTION OF CRM — 1000 µg/mL Selenium(+4) in 2% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGSE(4)1-1, CGSE(4)1-2, and CGSE(4)1-5 |
| Lot Number: | D2-SE02020 |
| Starting Material: | Se shot |
| Starting Material Purity (%): | 99.999203 |
| Starting Material Lot No: | 1505 |
| Matrix: | 2% (v/v) HNO3 |

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,004 ± 3 µg/mL

Certified Density: 1.011 g/mL (measured at 20 ± 1°C)

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 $k = 2$.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 — 1,004 ± 3 µg/mL
ICP Assay NIST SRM 3149 Lot Number: 992106

Assay Method #2 — 1,007 ± 5 µg/mL
Calculated NIST SRM Lot Number: See Sec. 4.2

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M1674

2.0 DESCRIPTION OF CRM: 1000 µg/mL Vanadium in 2% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGV1-1, CGV1-2, and CGV1-5 |
| Lot Number: | D2-V02065 |
| Starting Material: | V2O5 |
| Starting Material Purity (%): | 99.990563 |
| Starting Material Lot No: | 46 |
| Matrix: | 2% (v/v) HNO3 |

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,007 ± 3 µg/mL

Certified Density: 1.019 g/mL (measured at 20 ± 1°C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\sum x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements
$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 1,007 ± 3 µg/mL
EDTA NIST SRM 928 Lot Number: 928

Assay Method #2 1,003 ± 4 µg/mL
ICP Assay NIST SRM 3165 Lot Number: 992706

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2.0 DESCRIPTION OF CRM

| | |
|---|---|
| Catalog Number: | CGBA1-1, CGBA1-2, and CGBA1-5 |
| Lot Number: | D2-BA02055 |
| Starting Material: | Ba(NO3)2 |
| Starting Material Purity (%): | 99.999842 |
| Starting Material Lot No: | 1514 |
| Matrix: | 0.1% (v/v) HNO3 |

M1659

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,007 ± 3 µg/mL

Certified Density: 1.000 g/mL (measured at 20 ± 1°C)

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.

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$(\bar{x})$ = mean
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$n$ = number of measurements

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 1,002 ± 4 µg/mL
ICP Assay NIST SRM 3104a Lot Number: 070222

Assay Method #2 1,007 ± 3 µg/mL
Gravimetric NIST SRM Lot Number: See Sec. 4.2

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Testing Laboratory Certificate 883.01 · Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM 10000 µg/mL Iron in 5% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGFE10-1, CGFE10-2, and CGFE10-5 |
| Lot Number: | D2-FE03115 |
| Starting Material: | Fe powder |
| Starting Material Purity (%): | 99.995342 |
| Starting Material Lot No: | 1539 |
| Matrix: | 5% (v/v) HNO3 |

H1357

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,125 ± 26 µg/mL

Certified Density: 1.066 g/mL (measured at 20 ± 1°C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 10,130 ± 47 µg/mL (avg. of 3 runs)
ICP Assay NIST SRM 3126a Lot Number: 051031

Assay Method #2 10,125 ± 26 µg/mL
EDTA NIST SRM 928 Lot Number: 928

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# CERTIFICATE OF ANALYSIS

1.0 INORGANIC VENTURES is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001:2000 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

Testing Laboratory Certificate 883.01

Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM 10000 µg/mL Calcium in 2% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGCA10-1, CGCA10-2, and CGCA10-5 |
| Lot Number: | D2-CA03136 |
| Starting Material: | CaO |
| Starting Material Purity (%): | 99.997416 |
| Starting Material Lot No: | G47339 |
| Matrix: | 2% (v/v) HNO3 |

wrong entry
~~M1364~~ DK 7/19/10
M1433

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 9,973 ± 26 µg/mL

Certified Density: 1.038 g/mL (measured at 20 ± 1°C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume, and the fixed error reported on the NIST SRM certificate of analysis.)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 9,964 ± 44 µg/mL
ICP Assay NIST SRM 3109a Lot Number: 050825

Assay Method #2 9,973 ± 26 µg/mL
EDTA NIST SRM 928 Lot Number: 928

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Testing Laboratory Certificate 883.01 · Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM 10000 µg/mL Magnesium in 2% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGMG10-1, CGMG10-2, and CGMG10-5 |
| Lot Number: | D2-MG03086 |
| Starting Material: | Mg metal |
| Starting Material Purity (%): | 99.999533 |
| Starting Material Lot No: | 00265067003 |
| Matrix: | 2% (v/v) HNO3 |

M1363

3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Concentration:** 10,049 ± 26 µg/mL

**Certified Density:** 1.054 g/mL (measured at 20 ± 1°C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$(\bar{x})$ = mean
$x_i$ = individual results
$n$ = number of measurements

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s\ )^2]^{1/2}}{(n)^{1/2}}$$

$\Sigma s$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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4.1 Assay Method #1 10,060 ± 57 µg/mL
ICP Assay NIST SRM 3131a Lot Number: 050302

Assay Method #2 10,049 ± 26 µg/mL
EDTA NIST SRM 928 Lot Number: 928

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ACCREDITED Testing Laboratory Certificate 883.01 · ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM 10000 µg/mL Potassium in 2% (v/v) $HNO_3$

M1679

| | |
|---|---|
| Catalog Number: | CGK10-1, CGK10-2, and CGK10-5 |
| Lot Number: | D2-K03011 |
| Starting Material: | $KNO_3$ |
| Starting Material Purity (%): | 99.998079 |
| Starting Material Lot No.: | B19P01 |
| Matrix: | 2% (v/v) $HNO_3$ |

3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Concentration:** 10,029 ± 24 µg/mL

**Certified Density:** 1.024 g/mL (measured at 20 ± 1°C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 9,984 ± 49 µg/mL
ICP Assay NIST SRM 3141a Lot Number: 051220

Assay Method #2 10,029 ± 24 µg/mL
Gravimetric NIST SRM Lot Number: See Sec. 4.2

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ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Produ Certificate 883.02

M1669

2.0 DESCRIPTION OF CRM — 10000 µg/mL Sodium in 2% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGNA10-1, CGNA10-2, and CGNA10-5 |
| Lot Number: | D2-NA03080 |
| Starting Material: | Na2CO3 |
| Starting Material Purity (%): | 99.997120 |
| Starting Material Lot No: | C18157 |
| Matrix: | 2% (v/v) HNO3 |

3.0 CERTIFIED VALUES AND UNCERTAINTIES

| | |
|---|---|
| Certified Concentration: | 10,039 ± 19 µg/mL |
| Certified Density: | 1.034 g/mL (measured at 20 ± 1°C) |

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.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements

Uncertainty (±) $= \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$

$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 — 10,072 ± 41 µg/mL
ICP Assay NIST SRM 3152a Lot Number: 010728

Assay Method #2 — 10,039 ± 19 µg/mL
Gravimetric NIST SRM Lot Number: See Sec. 4.2

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Testing Laboratory Certificate 883.01 — Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM 10000 µg/mL Magnesium in 2% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGMG10-1, CGMG10-2, and CGMG10-5 |
| Lot Number: | D2-MG03086 |
| Starting Material: | Mg metal |
| Starting Material Purity (%): | 99.999533 |
| Starting Material Lot No: | 00265067003 |
| Matrix: | 2% (v/v) HNO3 |

M1363

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,049 ± 26 µg/mL

Certified Density: 1.054 g/mL (measured at 20 ± 1°C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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4.1 Assay Method #1 10,060 ± 57 µg/mL
ICP Assay NIST SRM 3131a Lot Number: 050302

Assay Method #2 10,049 ± 26 µg/mL
EDTA NIST SRM 928 Lot Number: 928

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# CERTIFICATE OF ANALYSIS

R: 08/30/10

M1518

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Testing Laboratory Certificate 883.01 · Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM Custom Solution

Catalog No.: IV-STOCK-12

Lot Number: C2-MEB313146MCA

Matrix: 5% HNO3(v/v)

10.00 µg/mL ea:

Ba, Be, Bi, Ce, Co, In, Li, Ni, Pb, U

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE |
|---|---|---|---|---|---|
| Barium, Ba | 10.02 ± 0.02 µg/mL | Beryllium, Be | 10.04 ± 0.03 µg/mL | Bismuth, Bi | 10.02 ± 0.03 µg/mL |
| Cerium, Ce | 10.02 ± 0.03 µg/mL | Cobalt, Co | 10.03 ± 0.02 µg/mL | Indium, In | 10.02 ± 0.05 µg/mL |
| Lead, Pb | 10.01 ± 0.04 µg/mL | Lithium, Li | 10.02 ± 0.06 µg/mL | Nickel, Ni | 10.03 ± 0.02 µg/mL |
| Uranium, U | 10.02 ± 0.03 µg/mL | | | | |

**Certified Density:** 1.026 g/mL (measured at 22° C)

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 $k = 2$.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements

Uncertainty $(\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume, and the fixed error reported on the NIST SRM certificate of analysis.)

Certified Abundance: The 235U in this standard is depleted. The Certified abundances in Atom % are as follows:

| Isotope | IV's Certified Abundance Atom% |
|---|---|
| Uranium 238U | 99.8 ± 0.1 |
| 235U | 0.25 ± 0.05 |

## 4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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QATS INORGANIC REFERENCE MATERIAL
INTERFERENCE CHECK SAMPLE FOR ICP-MS
PART A (0803) WITH PART B (0803)

PART B → M1460 - M1464

Preparation and analysis must be performed according to the following instructions:

Part A (0803), Interferents: Pipet 10 mL of the Part A solution into a 100 mL volumetric flask and dilute to volume with 1% v/v $HNO_3$. Analyze this solution, Soln. A, by ICP-MS.

Part B (0803), Analytes, mixed with Part A (0803), Interferents: Pipet 10 mL of the Part A solution and 10 mL of the Part B solution into a 100 mL volumetric flask and dilute to volume with 1% v/v $HNO_3$. Analyze this solution, Soln. AB, by ICP-MS.

Table 1: CERTIFIED VALUES FOR INTERFERENCE CHECK SAMPLE ICP-MS PART A (0803) AND PART A (0803) MIXED WITH PART B (0803)

| Element | Concentration (µg/L) Part A | Concentration (µg/L) Part A + Part B |
|---|---|---|
| Al | [100000] | [100000] |
| Sb | (1.5) | 22 |
| As | (0.1) | 19 |
| Ba | (1.2) | 22 |
| Be | (0) | 19 |
| Cd | (0.7) | 20 |
| Ca | [100000] | [100000] |
| C | [200000] | [200000] |
| Cl | [1000000] | [1000000] |
| Cr | 21 | 40 |
| Co | 1 | 20 |
| Cu | 8 | 25 |
| Fe | [100000] | [100000] |
| Pb | 4 | 25 |
| Mg | [100000] | [100000] |
| Mn | 7 | 27 |
| Mo | [2000] | [2000] |
| Ni | 6 | 24 |
| P | [100000] | [100000] |
| K | [100000] | [100000] |
| Se | (0.3) | 19 |
| Ag | (0) | 18 |
| Na | [100000] | [100000] |
| S | [100000] | [100000] |
| Tl | (0) | 21 |
| Ti | [2000] | [2000] |
| V | (0.5) | 19 |
| Zn | 11 | 29 |

[ ] indicates analytes that do not require ICP-MS determination in the ICS.

( ) indicates analyte values that are less than the CRQL and the value is to be used as a set point for the ± 3 times CRQL acceptance criteria calculations.

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R: 12/30/10

M1710

Tune D25 Cross Cal Solution

Catalog Number: 1600636
Lot Number: L01008
Job Number: J00011929
Lot Issue Date: 08/30/2010
Expiration Date: 09/30/2012

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system. The analyte concentrations were verified by our ISO 17025 accredited laboratory to be within ± 5.0%, when compared to calibration standards independently prepared using NIST SRM(s). The certified value and uncertainty value for each analyte is determined gravimetrically.

| Analyte | True Value | Analytical Method | NIST SRM |
|---|---|---|---|
| aluminum | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3101a |
| arsenic | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3103a |
| barium | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3104a |
| beryllium | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3105a |
| calcium | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3109a |
| cadmium | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3108 |
| cobalt | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3113 |
| chromium | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3112a |
| copper | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3114 |
| iron | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3126a |
| lead | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3128 |
| magnesium | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3131a |
| manganese | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3132 |
| molybdenum | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3134 |
| nickel | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3136 |
| potassium | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3141a |
| selenium | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3149 |
| sodium | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3152a |
| thallium | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3158 |
| * vanadium | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3165 |
| zinc | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3168a |
| indium | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3124a |
| lithium | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3129a |
| uranium | 10.00 ± 0.05 mg/L | ICP / ICP-MS | 3164 |

**Matrix:** 5% nitric acid in low TOC water (< 50 ppb)

* light sensitive

ULTRA uses purified acids, 18 megohm double deionized water, calibrated Class A glassware & meticulously cleaned bottles in the manufacturing of ULTRAgrade standards. Balances used in the manufacturing of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001.



Prepared by ULTRA Scientific for Thermo Scientific
For Material Safety Data Sheets (MSDS), visit www.ultrasci.com

R: 09/07/10

# INORGANIC VENTURES™ CERTIFICATE OF ANALYSIS

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M1526

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ACCREDITED Testing Laboratory Certificate 863.01 — ACCREDITED Reference Material Producer Certificate 863.02

2.0 DESCRIPTION OF CRM Stock Solution

Catalog No.: 6020ISS

Lot Number: D2-MEB324021

Matrix: 7% HNO3(v/v)

10.00 µg/mL ea:
Bi, Ho, In, Li6, Rh, Sc, Tb, Y

3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE |
|---|---|---|---|---|---|
| 6 Lithium, Li6 | 10.01 ± 0.02 µg/mL | Bismuth, Bi | 10.01 ± 0.02 µg/mL | Holmium, Ho | 10.01 ± 0.04 µg/mL |
| Indium, In | 10.01 ± 0.02 µg/mL | Rhodium, Rh | 10.00 ± 0.04 µg/mL | Scandium, Sc | 10.01 ± 0.02 µg/mL |
| Terbium, Tb | 10.00 ± 0.02 µg/mL | Yttrium, Y | 9.99 ± 0.02 µg/mL | | |

**Certified Density:** 1.033 g/mL (measured at 20 ± 1° C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

**Certified Abundance:** The 6Li in this standard is enhanced. The Certified abundances in Atom % are as follows:

IV's Certified Abundance

| Isotope | Atom% |
|---|---|
| Lithium Li6 | 95.9 ± 0.3 |
| Li7 | 4.1 ± 0.1 |

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# CERTIFICATE OF ANALYSIS

MM1879

M1369

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM Stock Solution

Catalog No.: CLPP-SPK-1

Lot Number: B2-MEB263022

Matrix: 7% HNO3(v/v)

2,000.00 µg/mL ea:
Al, Ba,

1,000.00 µg/mL ea:
Fe,

500.00 µg/mL ea:
Co, Mn, Ni, V, Zn,

250.00 µg/mL ea:
Cu,

200.00 µg/mL ea:
Cr3,

50.00 µg/mL ea:
Ag, Be

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE |
|---|---|---|---|---|---|
| Aluminum, Al | 2,000 ± 7 µg/mL | Barium, Ba | 2,000 ± 8 µg/mL | Beryllium, Be | 49.91 ± 0.08 µg/mL |
| Chromium+3, Cr3 | 200.2 ± 0.7 µg/mL | Cobalt, Co | 499.8 ± 1.0 µg/mL | Copper, Cu | 249.5 ± 0.6 µg/mL |
| Iron, Fe | 1,000 ± 4 µg/mL | Manganese, Mn | 500.0 ± 1.1 µg/mL | Nickel, Ni | 500.4 ± 1.3 µg/mL |
| Silver, Ag | 49.94 ± 0.20 µg/mL | Vanadium, V | 500.1 ± 1.8 µg/mL | Zinc, Zn | 500.0 ± 2.5 µg/mL |

**Certified Density:** 1.070 g/mL (measured at 22° C)

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.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume, and the fixed error reported on the NIST SRM certificate of analysis.)

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R: 4/2/10

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MM1880

M1210

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM Stock Solution

Catalog No.: CLPP-SPK-4

Lot Number: **A2-MEB194140**

Matrix: 2% HNO3(abs)

100.00 µg/mL ea:
Sb,

50.00 µg/mL ea:
Cd, Tl,

40.00 µg/mL ea:
As,

20.00 µg/mL ea:
Pb,

10.00 µg/mL ea:
Se

3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE |
|---|---|---|---|---|---|
| Antimony, Sb | 100.3 ± 0.4 µg/mL | Arsenic, As | 40.08 ± 0.13 µg/mL | Cadmium, Cd | 50.10 ± 0.12 µg/mL |
| Lead, Pb | 20.03 ± 0.06 µg/mL | Selenium, Se | 10.04 ± 0.04 µg/mL | Thallium, Tl | 50.08 ± 0.17 µg/mL |

**Certified Density:** 1.014 g/mL (measured at 22° C)

The Certified Value is based upon the most precise method used to analyze this CRM. The following equations are used in the calculation of the certified value and the uncertainty

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume, and the fixed error reported on the NIST SRM certificate of analysis.)

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported

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# CERTIFICATE OF ANALYSIS

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM 1000 µg/mL Boron in H2O

| | |
|---|---|
| Catalog Number: | CGB1-1, CGB1-2, and CGB1-5 |
| Lot Number: | C2-B02083 |
| Starting Material: | H3BO3 |
| Starting Material Purity (%): | 99.999998 |
| Starting Material Lot No: | OV0133 |
| Matrix: | H2O |

~~M 1362~~
M1432
OK 7/19/10

3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Concentration:** 998 ± 3 µg/mL

**Certified Density:** 1.000 g/mL (measured at 20 ± 1°C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 998 ± 3 µg/mL
ICP Assay NIST SRM 3107 Lot Number: 070514

Assay Method #2 1,001 ± 5 µg/mL
Calculated NIST SRM Lot Number: See Sec. 4.2

R: 11/29/10

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# CERTIFICATE OF ANALYSIS

M1670

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM 1000 µg/mL Thorium in 4% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGTH1-1, CGTH1-2, and CGTH1-5 |
| Lot Number: | C2-TH01079 |
| Starting Material: | Th(NO3)4x4H2O |
| Starting Material Purity (%): | 99.999912 |
| Starting Material Lot No: | X0033369-8 |
| Matrix: | 4% (v/v) HNO3 |

3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Concentration:** 993 ± 3 µg/mL

**Certified Density:** 1.022 g/mL (measured at 20 ± 1°C)

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.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements

Uncertainty $(\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 993 ± 3 µg/mL
EDTA NIST SRM 928 Lot Number: 928

Assay Method #2 993 ± 3 µg/mL
ICP Assay NIST SRM 3159 Lot Number: 992912

R: 11/29/10

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ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM — 1000 µg/mL Uranium in 2% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGU1-1, CGU1-2, and CGU1-5 |
| Lot Number: | D2-U01084 |
| Starting Material: | UO2(NO3)2.6H2O |
| Starting Material Purity (%): | 99.999942 |
| Starting Material Lot No: | N55947 |
| Matrix: | 2% (v/v) HNO3 |

3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Concentration:** 1,015 ± 4 µg/mL

**Certified Density:** 1.009 g/mL (measured at 20 ± 1°C)

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.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

**Certified Abundance:** The 235U in this standard is depleted. The Certified abundances in Atom % are as follows:

IV's Certified Abundance

| Isotope | Atom% |
|---|---|
| Uranium 238U | 99.7 ± 0.1 |
| 235U | 0.29 ± 0.05 |

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

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ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

| | | |
|---|---|---|
| 2.0 | DESCRIPTION OF CRM | 10000 µg/mL Uranium in 2% (v/v) HNO3 |
| | Catalog Number: | CGU10-1, CGU10-2, and CGU10-5 |
| | Lot Number: | C2-U01081 |
| | Starting Material: | UO2(NO3)2.6H2O |
| | Starting Material Purity (%): | 99.999940 |
| | Starting Material Lot No: | N55947 |
| | Matrix: | 2% (v/v) HNO3 |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Concentration:** 10,297 ± 42 µg/mL

**Certified Density:** 1.022 g/mL (measured at 22° C)

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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume, and the fixed error reported on the NIST SRM certificate of analysis.)

## 4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

| | | |
|---|---|---|
| 4.1 | Assay Method #1 | 10,297 ± 42 µg/mL<br>ICP Assay NIST SRM 3164 Lot Number: 891509 |
| | Assay Method #2 | 10,000 ± 50 µg/mL<br>Calculated NIST SRM Lot Number: See Sec. 4.2 |

R: 11/03/09

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# CERTIFICATE OF ANALYSIS

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M1382

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ACCREDITED Testing Laboratory Certificate 583.01 — ACCREDITED Reference Material Producer Certificate 583.02

2.0 DESCRIPTION OF CRM — 1000 µg/mL Thorium in 4% (v/v) HNO3

| | |
|---|---|
| Catalog Number: | CGTH1-1, CGTH1-2, and CGTH1-5 |
| Lot Number: | C2-TH01079 |
| Starting Material: | Th(NO3)4x4H2O |
| Starting Material Purity (%): | 99.999912 |
| Starting Material Lot No: | X0033369-8 |
| Matrix: | 4% (v/v) HNO3 |

3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Concentration:** 993 ± 3 µg/mL

**Certified Density:** 1.022 g/mL (measured at 20 ± 1°C)

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.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 — 993 ± 3 µg/mL
EDTA NIST SRM 928 Lot Number: 928

Assay Method #2 — 993 ± 3 µg/mL
ICP Assay NIST SRM 3159 Lot Number: 992912

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# CERTIFICATE OF ANALYSIS

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Second Source Solution

Catalog No.: CHEM-QC-4

Lot Number: **A2-MEB243011**

Matrix: 0.17% HF(abs), 2% HNO3(abs)

**Second Source:** Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility.

1,000.00 µg/mL ea:
B, Mo, Si, Sn, Ti

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

| ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE | ELEMENT | CERTIFIED VALUE |
|---|---|---|---|---|---|
| Boron, B | 1,000 ± 6 µg/mL | Molybdenum, Mo | 1,001 ± 4 µg/mL | Silicon, Si | 1,000 ± 2 µg/mL |
| Tin, Sn | 1,000 ± 3 µg/mL | Titanium, Ti | 1,002 ± 4 µg/mL | | |

**Certified Density:** 1.031 g/mL (measured at 20 ± 1° C)

The Certified Value is based upon the most precise method used to analyze this CRM. The following equations are used in the calculation of the certified value and the uncertainty.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

## 4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

## 2.0 DESCRIPTION OF CRM

**1000 µg/mL Uranium in 2% (v/v) HNO3**

| | |
|---|---|
| Catalog Number: | CGU1-1, CGU1-2, and CGU1-5 |
| Lot Number: | **D2-U01084** |
| Starting Material: | UO2(NO3)2.6H2O |
| Starting Material Purity (%): | 99.999942 |
| Starting Material Lot No: | N55947 |
| Matrix: | 2% (v/v) HNO3 |

## 3.0 CERTIFIED VALUES AND UNCERTAINTIES

**Certified Concentration:** 1,015 ± 4 µg/mL

**Certified Density:** 1.009 g/mL (measured at 20 ± 1°C)

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.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

**Certified Abundance:** The 235U in this standard is depleted. The Certified abundances in Atom % are as follows:

IV's Certified Abundance

| Isotope | Atom% |
|---|---|
| Uranium 238U | 99.7 ± 0.1 |
| 235U | 0.29 ± 0.05 |

## 4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

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ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Thorium in 4% (v/v) HNO3**

| | |
|---|---|
| Catalog Number: | CGTH1-1, CGTH1-2, and CGTH1-5 |
| Lot Number: | **C2-TH01079** |
| Starting Material: | Th(NO3)4x4H2O |
| Starting Material Purity (%): | 99.999912 |
| Starting Material Lot No: | X0033369-8 |
| Matrix: | 4% (v/v) HNO3 |

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

***Certified Concentration:*** 993 ± 3 µg/mL

**Certified Density:** 1.022 g/mL (measured at 20 ± 1°C)

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.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
$x_i$ = individual results
n = number of measurements
$\Sigma s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· 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 uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 **993 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Assay Method #2 **993 ± 3 µg/mL**
ICP Assay NIST SRM 3159 Lot Number: 992912

QATS INORGANIC REFERENCE MATERIAL
INTERFERENCE CHECK SAMPLE FOR ICP-MS
PART A (0803) WITH PART B (0803)
PART A → M1440 - M1449

Preparation and analysis must be performed according to the following instructions:

Part A (0803), Interferents: Pipet 10 mL of the Part A solution into a 100 mL volumetric flask and dilute to volume with 1% v/v $HNO_3$. Analyze this solution, Soln. A, by ICP-MS.

Part B (0803), Analytes, mixed with Part A (0803), Interferents: Pipet 10 mL of the Part A solution and 10 mL of the Part B solution into a 100 mL volumetric flask and dilute to volume with 1% v/v $HNO_3$. Analyze this solution, Soln. AB, by ICP-MS.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS PART A (0803) AND PART A (0803) MIXED WITH PART B (0803)

| Element | Concentration (µg/L) Part A | Concentration (µg/L) Part A + Part B |
|---|---|---|
| Al | [100000] | [100000] |
| Sb | ( 1.5 ) | 22 |
| As | ( 0.1 ) | 19 |
| Ba | ( 1.2 ) | 22 |
| Be | ( 0 ) | 19 |
| Cd | ( 0.7 ) | 20 |
| Ca | [100000] | [100000] |
| C | [200000] | [200000] |
| Cl | [1000000] | [1000000] |
| Cr | 21 | 40 |
| Co | 1 | 20 |
| Cu | 8 | 25 |
| Fe | [100000] | [100000] |
| Pb | 4 | 25 |
| Mg | [100000] | [100000] |
| Mn | 7 | 27 |
| Mo | [2000] | [2000] |
| Ni | 6 | 24 |
| P | [100000] | [100000] |
| K | [100000] | [100000] |
| Se | ( 0.3 ) | 19 |
| Ag | ( 0 ) | 18 |
| Na | [100000] | [100000] |
| S | [100000] | [100000] |
| Tl | ( 0 ) | 21 |
| Ti | [2000] | [2000] |
| V | ( 0.5 ) | 19 |
| Zn | 11 | 29 |

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.

( ) Indicates analyte values that are less than the CRQL and the value is to be used as a set point for the ± 3 times CRQL acceptance criteria calculations.

550

R: 9/8/10

# QATS INORGANIC REFERENCE MATERIAL
# INITIAL CALIBRATION VERIFICATION SOLUTIONS
# (ICVs)

M1573→M1582

| ICV1-0307 | | |
|---|---|---|
| Element | Concentration (µg/L) (after 10 fold dilution) | Concentration (µg/L) (after 50 fold dilution) |
| Al | 2521 | 504 |
| Sb | 994 | 199 |
| As | 999 | 200 |
| Ba | 497 | 99 |
| Be | 495 | 99 |
| Cd | 496 | 99 |
| Ca | 10026 | 2005 |
| Cr | 490 | 98 |
| Co | 499 | 100 |
| Cu | 492 | 98 |
| Fe | 5082 | 1016 |
| Pb | 1002 | 200 |
| Mg | 6074 | 1215 |
| Mn | 499 | 100 |
| Ni | 503 | 101 |
| K | 10021 | 2004 |
| Se | 1029 | 206 |
| Ag | 501 | 100 |
| Na | 10097 | 2019 |
| Tl | 1028 | 206 |
| V | 501 | 100 |
| Zn | 1025 | 205 |

| ICV2-0601 | |
|---|---|
| Element | Concentration (µg/L) (after 20 fold dilution) |
| As | 52.6 |
| Se | 50.8 |

| ICV3-0500 | |
|---|---|
| Element | Concentration (µg/L) (after 10 fold dilution) |
| Sb | 999 |

9/8/10

ISM01.2
200.8

CHEMTECH

Iep-MS.

Water Sample Preparation Sheet

C1868

| | | | |
|---|---|---|---|
| PrepBatch ID : | PB54700 | Batch# | PB54700 |
| SDG No : | | ICP Digest Date: | 04/15/11 |
| Matrix : | Water | Sample Received By : | [signature] |
| Method : | MISM01.2-metals-Iep-MS-01 | Dig Technician Signature: | BHUPENDRA PATEL |
| Initial Volume : | 50 ML | Supervisor Signature: | [signature] |
| Final Volume : | 50 ML | Prep Code: | CW1 [signature] 4/15/11 |
| Hot Plate Temp : | 1. 95°C 2. 3. | | |

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| LCSW | 0.50 ml | MP 6473 |
| Spike Sol. B | 0.50 ml | MP 6466. |
| | | |
| | | |
| | | [signature] 4/15/11 |

| Chemical Used | Lot Number |
|---|---|
| 1:1 HNO3 | MP 6370 |
| 1:1 HCL | MP 5402 |
| | |
| | |
| | [signature] 4/15/11 |

| Date / Time | Received By | Relinquished By | Location |
|---|---|---|---|
| 4/15/11 4:00pm | [signature] | Bhupendra patel | Iep-Lab. |
| | Analysis Group | Digestion Group | |
| | DR, JS, PM | NP, PM, RD | |
| | | | |

CHEMTECH **Water Sample Preparation Sheet** **PrepBatch ID :** **PB54700**

| Lab Sample ID | Customer Sample Number | Color Before | Color After | Clarity Before | Clarity After | PH | Comments |
|---|---|---|---|---|---|---|---|
| C1868-01 | MF3T76 | C | C | CL | CL | <2 | |
| C1868-02 | MF3T79 | C | C | CL | CL | <2 | |
| C1868-03 | MF3T92 | C | C | CL | CL | <2 | |
| C1868-04 | MF3TA5 | C | C | CL | CL | <2 | |
| C1868-05 | MF3TA5D | C | C | CL | CL | <2 | 4/15/11 |
| C1868-06 | MF3TA5S | C | C | CL | CL | <2 | SPIKE SOL-B MP6466 |
| C1868-07 | MF3TA6 | C | C | CL | CL | <2 | |
| C1868-08 | MF3TC4 | C | C | CL | CL | <2 | |
| C1868-09 | MF3TD2 | C | C | CL | CL | <2 | |
| C1868-10 | MF3TD1 | C | C | CL | CL | <2 | |
| C1868-11 | MF3TD8 | C | C | CL | CL | <2 | |
| C1868-12 | MF3TE0 | C | C | CL | CL | <2 | |
| PB54700BL | ~~PB54700BL~~ PBW | C | C | CL | CL | <2 | 4/15/11 |
| PB54700BS | ~~PB54700~~BS LCS | C | C | CL | CL | <2 | MP 6473 |

4/15/11

4/15/11

* BL=Blank BS=Blank Spike TB=TCLP Blank
* COLOR: R=Red BU=Blue Y=Yellow GR=Green O=Orange V=Violet W=White C=Colorless BR=Brown GY=Grey BL=Black
* CLARITY: CL=Clear CD=Cloudy O=Opaque

CHEMTECH **Water Sample Preparation Sheet** **PrepBatch ID : PB54700**

| Lab Sample ID | Customer Sample Number | Color Before | Color After | Clarity Before | Clarity After | PH | Comments |
|---|---|---|---|---|---|---|---|
| C1868-01 | MF3T76 | Colorless | Colorless | Clear | Clear | <2 | |
| C1868-02 | MF3T79 | Colorless | Colorless | Clear | Clear | <2 | |
| C1868-03 | MF3T92 | Colorless | Colorless | Clear | Clear | <2 | |
| C1868-04 | MF3TA5 | Colorless | Colorless | Clear | Clear | <2 | |
| C1868-05 | MF3TA5D | Colorless | Colorless | Clear | Clear | <2 | 4/15/11 |
| C1868-06 | MF3TA5S | Colorless | Colorless | Clear | Clear | <2 | SPIKE SOL-B MP 6466. |
| C1868-07 | MF3TA6 | Colorless | Colorless | Clear | Clear | <2 | |
| C1868-08 | MF3TC4 | Colorless | Colorless | Clear | Clear | <2 | |
| C1868-09 | MF3TD2 | Colorless | Colorless | Clear | Clear | <2 | |
| C1868-10 | MF3TD1 | Colorless | Colorless | Clear | Clear | <2 | |
| C1868-11 | MF3TD8 | Colorless | Colorless | Clear | Clear | <2 | |
| C1868-12 | MF3TE0 | Colorless | Colorless | Clear | Clear | <2 | |
| PB54700BL | ~~RB54700BL~~ PBW | Colorless | Colorless | Clear | Clear | <2 | 4/15/11 |
| PB54700BS | ~~RB54700BS~~ LCS | Colorless | Colorless | Clear | Clear | <2 | MP 6473 |

4/15/11

4/15/11

* BL=Blank BS=Blank Spike TB=TCLP Blank
* COLOR: R=Red BU=Blue Y=Yellow GR=Green O=Orange V=Violet W=White C=Colorless BR=Brown GY=Grey BL=Black
* CLARITY: CL=Clear CD=Cloudy O=Opaque

ISM 01.2
200.8

CHEMTECH

IcP - MS
Water Sample Preparation Sheet
C 1868

| | | | |
|---|---|---|---|
| PrepBatch ID : | PB54788 | Batch# | PB54788 |
| SDG No : | | ICP Digest Date: | 04/20/11 |
| Matrix : | Water | Sample Received By : | D. M |
| Method : | MISM01.2-metals-IcP-MS-01 | Dig Technician Signature: | Bhupendra Patel. |
| Initial Volume : | 50 ML | Supervisor Signature: | D. M |
| Final Volume : | 50 ML | Prep Code: | ~~CWI~~ 4/20/11 |
| Hot Plate Temp : | (1.) 95° 2. 3. | | |

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| LCSW | 0.50ml | MP 6473 |
| | | |
| | | |
| | | |
| | | 4/20/11 |

| Chemical Used | Lot Number |
|---|---|
| 1:1 HNO3 | MP 6495 |
| 1:1 HCL | MP 5402 |
| | |
| | |
| | 4/20/11 |

| Date / Time | Received By | Relinquished By | Location |
|---|---|---|---|
| 4/20/11 ~~Noon~~ 12:00PM | D. M | Bhupendra Patel | IcP-Lab |
| | Analysis Group | Digestion Group | |
| | (DR), JS, PM | NP, PM, RD | |
| | | | |

CHEMTECH **Water Sample Preparation Sheet** **PrepBatch ID : PB54788**

| Lab Sample ID | Customer Sample Number | Color Before | Color After | Clarity Before | Clarity After | PH | Comments |
|---|---|---|---|---|---|---|---|
| C1868-13 | MF3T97 | C | C | CL | CL | <2 | |
| C1868-14 | MF3T99 | C | C | CL | CL | <2 | |
| C1868-15 | MF3TA0 | C | C | CL | CL | <2 | |
| C1868-16 | MF3TA1 | C | C | CL | CL | <2 | |
| C1868-17 | MF3TA3 | C | C | CL | CL | <2 | |
| C1868-18 | MF3TE6 | C | C | CL | CL | <2 | |
| C1868-19 | MF3TE9 | C | C | CL | CL | <2 | |
| C1868-20 | MF3TF0 | C | C | CL | CL | <2 | |
| PB54788BL | ~~PB54788~~BL PBW | C | C | CL | CL | <2 | 4/20/11 |
| PB54788BS | ~~PB54788~~BS LCS | C | C | CL | CL | <2 | MP 6473 |

4/20/11

4/20/11

* BL=Blank BS=Blank Spike TB=TCLP Blank
* COLOR: R=Red BU=Blue Y=Yellow GR=Green O=Orange V=Violet W=White C=Colorless BR=Brown GY=Grey BL=Black
* CLARITY: CL=Clear CD=Cloudy O=Opaque

CHEMTECH **Water Sample Preparation Sheet** **PrepBatch ID : PB54788**

| Lab Sample ID | Customer Sample Number | Color Before | Color After | Clarity Before | Clarity After | PH | Comments |
|---|---|---|---|---|---|---|---|
| C1868-13 | MF3T97 | Colorless | Colorless | Clear | Clear | <2 | |
| C1868-14 | MF3T99 | Colorless | Colorless | Clear | Clear | <2 | |
| C1868-15 | MF3TA0 | Colorless | Colorless | Clear | Clear | <2 | |
| C1868-16 | MF3TA1 | Colorless | Colorless | Clear | Clear | <2 | |
| C1868-17 | MF3TA3 | Colorless | Colorless | Clear | Clear | <2 | |
| C1868-18 | MF3TE6 | Colorless | Colorless | Clear | Clear | <2 | |
| C1868-19 | MF3TE9 | Colorless | Colorless | Clear | Clear | <2 | |
| C1868-20 | MF3TF0 | Colorless | Colorless | Clear | Clear | <2 | |
| PB54788BL | ~~PB54788~~BL PBW | Colorless | Colorless | Clear | Clear | <2 | BP 4/20/11 |
| PB54788BS | ~~PB54788BS~~ LCS | Colorless | Colorless | Clear | Clear | <2 | MP 6473 |

BP 4/20/11

BP 4/20/11

* BL=Blank BS=Blank Spike TB=TCLP Blank
* COLOR: R=Red BU=Blue Y=Yellow GR=Green O=Orange V=Violet W=White C=Colorless BR=Brown GY=Grey BL=Black
* CLARITY: CL=Clear CD=Cloudy O=Opaque

From: (972) 315-3922
Jose Flores
EA Engineering, Science, & Tec
11801 West County Road 128

Odessa, TX 79765

Origin ID: MAFA

FedEx Express

J11151102250225

Ship Date: 13APR11
ActWgt: 50.0 LB
CAD: 1247365/INET3130

Delivery Address Bar Code

Ref # 1434265.B.3
Invoice #
PO #
Dept #

SHIP TO: (908) 789-8900 BILL SENDER

**Snehal Mehta**
**CHEMTECH CONSULTING GROUP**
**284 SHEFFIELD ST**

**MOUNTAINSIDE, NJ 07092**

KR 4/14/11 9:15

THU - 14 APR A1
PRIORITY OVERNIGHT

TRK# 7946 3300 1409
0201

**XA CDWA**

07092
NJ-US
EWR

50DG3/26A8/7EFB

**After printing this label:**
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

**Warning:** Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Cooler - 11
Shipment

558

From: (972) 315-3922
Jose Flores
EA Engineering, Science, & Tec
11801 West County Road 128

Odessa, TX 79765

Origin ID: MAFA

FedEx Express

J11151102250225

Ship Date: 13APR11
ActWgt: 50.0 LB
CAD: 1247365/INET3130

Delivery Address Bar Code

Ref # 1434265.B.3
Invoice #
PO #
Dept #

SHIP TO: (908) 789-8900 BILL SENDER

**Snehal Mehta**
**CHEMTECH CONSULTING GROUP**
**284 SHEFFIELD ST**

**MOUNTAINSIDE, NJ 07092**

KR 4/14/11
9:15

THU - 14 APR A1
PRIORITY OVERNIGHT

TRK# 7946 3300 1534
0201

**XA CDWA**

07092
NJ-US
EWR

50DG3/26A6/7EFB

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From: (972) 315-3922
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Delivery Address Bar Code

Ref # 1434265.B.3
Invoice #
PO #
Dept #

SHIP TO: (908) 789-8900 BILL SENDER

**Snehal Mehta**
**CHEMTECH CONSULTING GROUP**
**284 SHEFFIELD ST**

**MOUNTAINSIDE, NJ 07092**

KR
4/15/11
9:40

FRI - 15 APR A1
PRIORITY OVERNIGHT

TRK# 7969 7136 3153
0201

# XA CDWA

07092
NJ-US
EWR

50DG3/26A8/7EFB

**After printing this label:**
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
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# LOGIN REPORT

| | | | | | |
|---|---|---|---|---|---|
| **Order ID:** | C1868 USEP01 | **Order Date:** | 4/14/2011 | **Project Mgr:** | snehal |
| **Client Name:** | USEPA CLP SMO | **Project Name:** | 41214 | **Report Type:** | USEPA CLP |
| **Client Contact:** | Anita Kapadia | **Rec DateTime** | 4/14/2011 9:15:00 AM | **EDD:** | EPA CLP |
| **Invoice Name:** | USEPA CLP SMO | **Purchase Order:** | | **Hard Copy Date:** | |
| **Invoice Contact** | Account Payable | **Login Tech:** | MAYUR | **Date Signoff:** | 4/14/2011 12:56:43 PM |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | QTY | TEST | TEST GROUP | METHOD | COMMENT | FAX DATE | Due Dates |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C1868-01 | MF3T76 | Water | 4/13/2011 | 9:07 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |
| C1868-02 | MF3T79 | Water | 4/13/2011 | 9:43 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |
| C1868-03 | MF3T92 | Water | 4/13/2011 | 8:33 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |
| C1868-04 | MF3TA5 | Water | 4/13/2011 | 8:58 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |
| C1868-05 | MF3TA5D | Water | 4/13/2011 | 8:58 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |

# LOGIN REPORT

| | | | | | |
|---|---|---|---|---|---|
| **Order ID:** | C1868 USEP01 | **Order Date:** | 4/14/2011 | **Project Mgr:** | snehal |
| **Client Name:** | USEPA CLP SMO | **Project Name:** | 41214 | **Report Type:** | USEPA CLP |
| **Client Contact:** | Anita Kapadia | **Rec DateTime** | 4/14/2011 9:15:00 AM | **EDD:** | EPA CLP |
| **Invoice Name:** | USEPA CLP SMO | **Purchase Order:** | | **Hard Copy Date:** | |
| **Invoice Contact** | Account Payable | **Login Tech:** | MAYUR | **Date Signoff:** | 4/14/2011 12:56:43 PM |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | QTY | TEST | TEST GROUP | METHOD | COMMENT | FAX DATE | Due Dates |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C1868-06 | MF3TA5S | Water | 4/13/2011 | 8:58 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |
| C1868-07 | MF3TA6 | Water | 4/13/2011 | 9:34 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |
| C1868-08 | MF3TC4 | Water | 4/13/2011 | 8:31 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |
| C1868-09 | MF3TD2 | Water | 4/13/2011 | 8:13 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |
| C1868-10 | MF3TD1 | Water | 4/12/2011 | 18:41 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |

CHEMTECH

# LOGIN REPORT

| | | | | | |
|---|---|---|---|---|---|
| **Order ID:** | C1868 USEP01 | **Order Date:** | 4/14/2011 | **Project Mgr:** | snehal |
| **Client Name:** | USEPA CLP SMO | **Project Name:** | 41214 | **Report Type:** | USEPA CLP |
| **Client Contact:** | Anita Kapadia | **Rec DateTime** | 4/14/2011 9:15:00 AM | **EDD:** | EPA CLP |
| **Invoice Name:** | USEPA CLP SMO | **Purchase Order:** | | **Hard Copy Date:** | |
| **Invoice Contact** | Account Payable | **Login Tech:** | MAYUR | **Date Signoff:** | 4/14/2011 12:56:43 PM |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | QTY | TEST | TEST GROUP | METHOD | COMMENT | FAX DATE | Due Dates |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C1868-11 | MF3TD8 | Water | 4/13/2011 | 10:49 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |
| C1868-12 | MF3TE0 | Water | 4/13/2011 | 10:51 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |
| C1868-13 | MF3T97 | Water | 4/14/2011 | 8:38 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |
| C1868-14 | MF3T99 | Water | 4/14/2011 | 9:23 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |
| C1868-15 | MF3TA0 | Water | 4/14/2011 | 11:09 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |

# LOGIN REPORT

| | | | | | |
|---|---|---|---|---|---|
| **Order ID:** | C1868 USEP01 | **Order Date:** | 4/14/2011 | **Project Mgr:** | snehal |
| **Client Name:** | USEPA CLP SMO | **Project Name:** | 41214 | **Report Type:** | |
| **Client Contact:** | Anita Kapadia | **Rec DateTime** | 4/15/2011 9:40:00 AM | **EDD:** | |
| **Invoice Name:** | USEPA CLP SMO | **Purchase Order:** | | **Hard Copy Date:** | |
| **Invoice Contact** | Account Payable | **Login Tech:** | MAYUR | **Date Signoff:** | 4/14/2011 12:56:43 PM |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | QTY | TEST | TEST GROUP | METHOD | COMMENT | FAX DATE | Due Dates |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C1868-16 | MF3TA1 | Water | 4/14/2011 | 10:47 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |
| C1868-17 | MF3TA3 | Water | 4/14/2011 | 9:57 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |
| C1868-18 | MF3TE6 | Water | 4/14/2011 | 10:42 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |
| C1868-19 | MF3TE9 | Water | 4/14/2011 | 9:22 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |
| C1868-20 | MF3TF0 | Water | 4/14/2011 | 10:00 | 1 | Metals CLP MS | | ISM01.2 | 15 Bu | 5/6/2011 9:40:00 AM | 5/6/2011 9:40:00 AM |

# LOGIN REPORT

| | | | | | |
|---|---|---|---|---|---|
| **Order ID:** | C1868 USEP01 | **Order Date:** | 4/14/2011 | **Project Mgr:** | snehal |
| **Client Name:** | USEPA CLP SMO | **Project Name:** | 41214 | **Report Type:** | |
| **Client Contact:** | Anita Kapadia | **Rec DateTime** | 4/15/2011 9:40:00 AM | **EDD:** | |
| **Invoice Name:** | USEPA CLP SMO | **Purchase Order:** | | **Hard Copy Date:** | |
| **Invoice Contact** | Account Payable | **Login Tech:** | MAYUR | **Date Signoff:** | 4/14/2011 12:56:43 PM |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | QTY | TEST | TEST GROUP | METHOD | COMMENT | FAX DATE | Due Dates |
|---|---|---|---|---|---|---|---|---|---|---|---|

## SAMPLE CONDITION RECORD

| | |
|---|---|
| Are samples submitted with a chain of custody? | Yes |
| Are the number of samples the same as stated on the chain of custody? | Yes |
| Are bottle caps tight and securely in place? | Yes |
| Were all containers intact when received? | Yes |
| Were samples submitted in an ice chest? | Yes |
| Were samples received cold? | Yes |
| Were samples within the holding time for the requested test(s)? | Yes |
| Is the volume of sample submitted sufficient for the requested test(s)? | Yes |
| Are all samples for volatile organic analyses free of headspace? | NA |

## ORDER COMMENT

**Case-41214, SDG-MF3T76, See ASR in PM Folder**

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : C1868W WorkList ID : 36489 Date : 4/15/2011 9:21:17 AM

| Due Date | Matrix | Sample | Test | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|---|
| 04/28/2011 | Water | C1868-01 | Metals CLP MS | 1:1 | USEP01 | A61 | MF3T76 | 04/13/2011 | ISM01.2 |
| 04/28/2011 | Water | C1868-02 | Metals CLP MS | 1:1 | USEP01 | A61 | MF3T79 | 04/13/2011 | ISM01.2 |
| 04/28/2011 | Water | C1868-03 | Metals CLP MS | 1:1 | USEP01 | A61 | MF3T92 | 04/13/2011 | ISM01.2 |
| 04/28/2011 | Water | C1868-04 | Metals CLP MS | 1:1 | USEP01 | A61 | MF3TA5 | 04/13/2011 | ISM01.2 |
| 04/28/2011 | Water | C1868-05 | Metals CLP MS | 1:1 | USEP01 | A61 | MF3TA5D | 04/13/2011 | ISM01.2 |
| 04/28/2011 | Water | C1868-06 | Metals CLP MS | 1:1 | USEP01 | A61 | MF3TA5S | 04/13/2011 | ISM01.2 |
| 04/28/2011 | Water | C1868-07 | Metals CLP MS | 1:1 | USEP01 | A61 | MF3TA6 | 04/13/2011 | ISM01.2 |
| 04/28/2011 | Water | C1868-08 | Metals CLP MS | 1:1 | USEP01 | A61 | MF3TC4 | 04/13/2011 | ISM01.2 |
| 04/28/2011 | Water | C1868-09 | Metals CLP MS | 1:1 | USEP01 | A61 | MF3TD2 | 04/13/2011 | ISM01.2 |
| 04/28/2011 | Water | C1868-10 | Metals CLP MS | 1:1 | USEP01 | A61 | MF3TD1 | 04/12/2011 | ISM01.2 |
| 04/28/2011 | Water | C1868-11 | Metals CLP MS | 1:1 | USEP01 | A61 | MF3TD8 | 04/13/2011 | ISM01.2 |
| 04/28/2011 | Water | C1868-12 | Metals CLP MS | 1:1 | USEP01 | A61 | MF3TE0 | 04/13/2011 | ISM01.2 |

Date/Time 4-15-11 9:30 AM
Received by: Bhupendra Patel
Relinquished by:

Date/Time 4-15-11
Received by:
Relinquished by: Bhupendra Patel

# WORKLIST(Hardcopy Internal Chain)

**Worklist Name** C1868A **Date:** 20-Apr-11

| Due Date | matrix | Sample | Test | Preservative | Customer | Storage location | Customer Sample | Collect Date | METHOD |
|---|---|---|---|---|---|---|---|---|---|
| 4/28/2011 9:15:00 AM | Water | C1868-13 | Metals CLP MS | 1:1 | USEPA CLP SMO | A61 | MF3T97 | 4/14/2011 | ISM01.2 |
| 4/28/2011 9:15:00 AM | Water | C1868-14 | Metals CLP MS | 1:1 | USEPA CLP SMO | A61 | MF3T99 | 4/14/2011 | ISM01.2 |
| 4/28/2011 9:15:00 AM | Water | C1868-15 | Metals CLP MS | 1:1 | USEPA CLP SMO | A61 | MF3TA0 | 4/14/2011 | ISM01.2 |
| 4/28/2011 9:15:00 AM | Water | C1868-16 | Metals CLP MS | 1:1 | USEPA CLP SMO | A61 | MF3TA1 | 4/14/2011 | ISM01.2 |
| 4/28/2011 9:15:00 AM | Water | C1868-17 | Metals CLP MS | 1:1 | USEPA CLP SMO | A61 | MF3TA3 | 4/14/2011 | ISM01.2 |
| 4/28/2011 9:15:00 AM | Water | C1868-18 | Metals CLP MS | 1:1 | USEPA CLP SMO | A61 | MF3TE6 | 4/14/2011 | ISM01.2 |
| 4/28/2011 9:15:00 AM | Water | C1868-19 | Metals CLP MS | 1:1 | USEPA CLP SMO | A61 | MF3TE9 | 4/14/2011 | ISM01.2 |
| 4/28/2011 9:15:00 AM | Water | C1868-20 | Metals CLP MS | 1:1 | USEPA CLP SMO | A61 | MF3TF0 | 4/14/2011 | ISM01.2 |

**Date/Time** 4/20/11 9:00 Am
**Received by:** Bhupendra Patel
**Relinquished by:**

**Date/Time** 4/20/11
**Received by:**
**Relinquished by:** Bhupendra Patel

| Project Code CLP Case No. | Station No. | Month/Day/Year | Time | Designate: | |
|---|---|---|---|---|---|
| | | 4/13/11 | 0907 | Comp. | Grab |

Station Location

Samplers (Signatures)

Tag Number 6- 455738

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Remarks

Case Number: 41214
Sample Number: MF3T76
Station Location: GW-196
Sample Type: Grab
Perservative: HNO3
Analysis: CLP TM ISM01.2 ICP-MS
Concentration: L
Tag Number: 6-455738

C1868

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